Illinois Department of Transportation

Local Public Agency Formal Contract

PROPOSAL SUBMITTED BY		
R.A. CULLINAN & SON, A DIVISION OF UNITED CONTRACTORS MIDWEST, INC.		
Contractor's Name		
		166
Street		P.O. Box
TREMONT	IL	61568
City	State	Zip Code

STATE OF ILLINOIS

COUNTY Peoria

City of Peoria

(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE Orange Prairie Road

SECTION NO. 09-00343-00-PV

TYPES OF FUNDS State Funds

☒ SPECIFICATIONS (required) ☒ PLANS (required) ☒ CONTRACT BOND (when required)

For Municipal Projects

Submitted/Approved/Passed

Scott Reeise MY

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date 5/20/14

Department of Transportation

☒ Concurrence in approval of award

Regional Engineer

Date 060214

For County and Road District Projects

Submitted/Approved

Highway Commissioner

Date

Submitted/Approved

County Engineer/Superintendent of Highways

Date

Illinois Department of Transportation

Proposal / Contract Cover

PROPOSAL SUBMITTED BY		
R.A. CULLINAN & SON, A DIVISION OF UCM, INC.		
Contractor's Name		
121 W. PARK ST.	P.O. BOX 166	
Street	P.O. Box	
TREMONT	IL	61568
City	State	Zip Code

STATE OF ILLINOIS *

COUNTY OF Peoria

City of Peoria
(Name of City, Village, Town or Road District)

- ☐ ESTIMATE OF COST
- ☒ SPECIFICATIONS
- ☒ PLANS
- ☐ MATERIAL PROPOSAL
- ☐ DELIVER AND INSTALL PROPOSAL
- ☒ CONTRACT PROPOSAL
- ☒ CONTRACT
- ☒ CONTRACT BOND

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE NO. Orange Prairie Road

SECTION NO. 09-00343-03-PV

TYPES OF FUNDS State Funds

For Municipal Projects

Submitted
Approved/Passed March 14, 2014
Date

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

For County and Road District Projects

Submitted/Approved
Date

☐ Highway Commissioner

Submitted/Approved
Date

☐ County Engineer/Superintendent of Highways

Department of Transportation

☒ Released for bid based on limited review

Date March 20, 2014

Regional Engineer

☐ Concurrence in approval of award

Date

Regional Engineer

Printed 3/17/2014

BLR 12210 (Rev.12/08/08)

County Peoria
Local Public Agency City of Peoria
Section Number 09-00343-03-PV
Route Orange Prairie Road

1. THIS AGREEMENT, made and concluded the 20th day of May, 2014 (Month and Year), between the City of Peoria acting by and through its City Manager known as the party of the first part, and R. A. Cullinan & Son, A Division of UCM, Inc. his/their executors, administrators, successors or assigns, known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 09-00343-03-PV, in Peoria, IL, approved by the Illinois Department of Transportation on March 20, 2014 (Date), are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest: Beth Ball Clerk

(Seal)

The City of Peoria, an Illinois Municipal Corporation

By _____
Party of the First Part

(If a Corporation)

Corporate Name R.A. CULLINAN & SON A DIVISION OF UNITED CONTRACTORS MIDWEST, INC

By Ronald L. Rowell
Vice President Party of the Second Part

(If a Co-Partnership)

Attest: _____
Asst Secretary

_____

Partners doing Business under the firm name of

_____
Party of the Second Part

(If an individual)

_____
Party of the Second Part

Illinois Department of Transportation

Contract Bond

Bond #106062545

Route Orange Prairie Road
County Peoria
Local Agency City of Peoria
Section 09-00343-03-PV

We, R.A. Cullinan & Son, A Division of United Contractors Midwest, Inc.

a/an) ☐ Individual ☐ Co-partnership ☒ Corporation organized under the laws of the State of Delaware,

as PRINCIPAL, and Travelers Casualty & Surety Company of America

as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of
Four Million Eight Hundred Fourteen Thousand One Hundred Thirty-Six & 78/100

Dollars ($4,814,136.78), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 20th day of May A.D. 2014

PRINCIPAL

R.A. Cullinan & Son, A Division of United Contractors Midwest, Inc.
(Company Name)

By: Ronald L. Rowell
Ronald L. Rowell (Signature & Title) Vice President

Attest: Jeff Sinn
Jeff Sinn (Signature & Title) Asst. Secretary

(Company Name)

By: _____
(Signature & Title)

Attest: _____
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF ILLINOIS,

COUNTY OF Tazewell

I, Amy E. Ries, a Notary Public in and for said county, do hereby certify that

Ronal L. Rowell and Jeff Sinn

(Insert names of individuals signing on behalf or PRINCIPAL)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20th day of May A.D. 2014

OFFICIAL SEAL
AMY E. RIES
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 10-28-2017

My commission expires 10/28/2017 Notary Public (SEAL)

SURETY

Travelers Casualty & Surety Company of America
(Name of Surety)

By: _____
(Signature of Attorney-in-Fact)
Afton Booth

(SEAL)

STATE OF ILLINOIS.

COUNTY OF Tazewell

I, Amy E. Ries, a Notary Public in and for said county, do hereby certify that

Afton Booth

(Insert names of individuals signing on behalf or SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 20th day of May A.D. 2014

OFFICIAL SEAL
AMY E. RIES
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 10-28-2017

My commission expires 10/28/2017 Notary Public (SEAL)

Approved this _____ day of _____, A.D. _____

Attest:

_____ _____
(Awarding Authority)

_____ Clerk _____
(Chairman/Mayor/President)

TRAVELERS

POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 226368 **Certificate No.** 005703678

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Afton Booth, Patrick J. Taphorn, and Kathy Betteridge

of the City of Pekin, State of Illinois, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 8th day of November, 2013.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

State of Connecticut
City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the 8th day of November, 2013, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.

MARIE C. TETREAULT NOTARY PUBLIC CONNECTICUT

Marie C. Tetreault
Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 20th day of May, 2014.

Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

TABLE OF CONTENTS

APPENDIX A

PROPOSAL ITEMS

Illinois Department of Transportation

Notice to Bidders

RETURN WITH BID

Route	Orange Prairie Road
County	Peoria
Local Agency	City of Peoria
Section	09-00343-03-PV

Time and Place of Opening of Bids

Sealed proposals for the improvement described below will be received at the office of The City of Peoria Public Works Department, 3505 N. Dries Lane, Peoria, IL 61604 (address) until 11 o'clock A M., April 10, 2014 (date) Proposals will be opened and read publicly at 11 o'clock A M., April 10, 2014 (date) at the office of The City of Peoria Public Works Department, 3505 N. Dries Lane, Peoria, IL 61604 (address)

Description of Work

Name Orange Prairie Road Extension Length 7,871.31 feet (1.491 miles)

Location Orange Prairie Rd. from ~4,750' S. of IL 91/Grange Hall Rd. (CH D32) to IL 91/Grange Hall Rd. (CH D32)

Proposed Improvement Earth excavation, pavement removal, storm sewer, inlets, manholes, detention basins, seeding, subbase granular material, lime modified subgrade, sidewalk, hot-mix asphalt multi-use path, driveway pavement, curb and gutter, P. C. concrete pavement, HMA pavement and pavement widening, HMA shoulders, decorative roadway lighting, landscaping and all necessary incidental work

Bidders Instructions

1. Plans and proposal forms will be available in the office of The City of Peoria Public Works Department 3505 N. Dries Lane, Peoria, IL 61604 for a non-refundable deposit of $10.00 for compact disk.
2. If prequalification is required , the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One copy shall be filed with the Awarding Authority and 2 copies with the IDOT District Office.
3. All proposals must be accompanied by a proposal guaranty as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
5. Bidders need not return the entire contract proposal when bids are submitted unless otherwise required. Portions of the proposal that must be returned include the following:
   a. BLR 12210 - Contract Cover
   b. BLR 12220 - Notice to Bidders
   c. BLR 12221 - Contract Proposal
   d. BLR 12222 - Contract Schedule of Prices
   e. BLR 12223 - Signatures
   f. BLR 12230 - Proposal Bid Bond (if applicable)
   g. BLR 12325 – Apprenticeship or Training Program Certification **(do not use for federally funded projects)**
6. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

7. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
8. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
9. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
10. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

By Order of

City of Peoria	Beth A. Ball
(Awarding Authority)	~~County Engineer/County Superintendent of Highways~~/Municipal Clerk

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Illinois Department of Transportation

Proposal

RETURN WITH BID

Route	Orange Prairie Road
County	Peoria
Local Agency	City of Peoria
Section	09-00343-03-PV

1. Proposal of R. A. CULLINAN & SON, A DIVISION OF UNITED CONTRACTORS MIDWEST
121 W. PARK STREET P.O. BOX 166 TREMONT, IL 61568-0166

for the improvement of the above section by the construction of Orange Prairie Road Extension – Included in this work is the construction of Orange Prairie Road from ~4,750' S. of IL 91/Grange Hall Rd. (CH D32) to IL 91/Grange Hall Rd. Items include Earth excavation, pavement removal, storm sewer, inlets, manholes, detention basins, seeding, subbase granular material, lime modified subgrade, sidewalk, hot-mix asphalt multi-use path, driveway pavement, curb and gutter, P. C. concrete pavement, HMA pavement and pavement widening, decorative roadway lighting, and all necessary incidental work for a total distance of 7,871.31 feet, of which a distance of 7,871.31 feet ,(1.491 miles) are to be improved.

2. The plans for the proposed work are those prepared by Farnsworth Group, Inc., 7707 N. Knoxville, Suite 100, Peoria IL 61614 and approved by the Department of Transportation on March 20, 2014
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within _____ ~~working days~~ or by September 30, 2015 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for contract Proposals, will be required. Bid Bonds ☒ will ☐ will not be allowed as proposal guaranties. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: The City Treasurer of The City of Peoria
the amount of the check is Bid Bond ( )
7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number _____.
8. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned firm certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm. The undersigned firm further certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating.
12. The undersigned submits herewith the schedule of prices on BLR 12222 covering the work to be performed under this contract.

STATE OF ILLINOIS
CITY OF PEORIA

PROPOSAL

TO THE CITY OF PEORIA:

1. Proposal of R.A. CULLINAN & SON, 121 W. PARK ST, TREMONT, IL 61568
i. (Name and Address of Bidder)
for the improvement, designated in Paragraph 2 below, which consists of Earth excavation, pavement removal, storm sewer, inlets, manholes, detention basins, seeding, subbase granular material, lime modified subgrade, sidewalk, hot-mix asphalt multi-use path, driveway pavement, curb and gutter, P. C. concrete pavement, HMA pavement and pavement widening, decorative roadway lighting, and all necessary incidental work.

2. The plans for the proposed improvement are those prepared by the Farnsworth Group, Inc., which plans are designated as **ORANGE PRAIRIE ROAD SECTION 09-00343-03-PV.**

3. The specifications herein referred to are the "Standard Specifications for Road and Bridge Construction," prepared by the Department of Transportation of the State of Illinois and adopted by said Department on January 1, 2012 The undersigned agrees to accept, as part of the contract, the Special Provisions contained within this proposal.

4. The undersigned declares that he will comply with the applicable provisions of Division 100, General Requirements and Covenants.

5. The undersigned agrees to complete the work according to the Completion Date Special Provision below, unless additional time is granted in accordance with Article 108.09 of the Specifications.

6. Accompanying this proposal is a bid bond, certified check, or cashier's check complying with the requirements of the Specifications, made payable to the City Treasurer of the City of Peoria, Illinois. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the check shall be forfeited to the awarding authority.

The amount of the check or draft is $ BID BOND .

Attach Cashier's Check or Certified Check Here

7. The undersigned certifies that it is not delinquent in the payment of any indebtedness, tax, fee or fine owed to the City of Peoria, or in the payment of any tax administered by the Illinois Department of Revenue, and is in compliance with the terms and conditions of Sec. 10-109 of the Peoria City Code and 65 ILCS 5/11-42.1-1.

8. Each pay item should have a unit price and a total price.

9. The unit price shall govern if no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity.

10. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.

11. A bid will be declared unacceptable if neither a unit price nor a total price is shown.

12. The undersigned firm certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the City of Peoria, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm. The undersigned firm further certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating.

13. EMPLOYEE/EMPLOYMENT RESTRICTIONS – THE CONTRACTOR:

THE CONTRACTOR, (hereinafter referred to as "SERVICE PROVIDER") agrees, as a condition of accepting this contract with the City of Peoria, that, for a period of one (1) year following completion of this contract, it shall be prohibited from hiring, directly or indirectly, any City employee or official who was involved, directly or indirectly in: (1) the selection and/or recommendation to select the SERVICE PROVIDER for performance of this contract; (2) coordinating the efforts of the SERVICE PROVIDER in the consummation or completion of this contract; or (3) monitoring or determining the performance of the SERVICE PROVIDER. The SERVICE PROVIDER further acknowledges and agrees that, upon the City's determination that a violation of this provision has occurred, the penalty imposed, at the sole discretion of the City, may include one or more of the following: (1) cancellation of any other contract(s) between the City of Peoria and the SERVICE PROVIDER; (2) disqualification of the SERVICE PROVIDER from bidding or being awarded future contracts with the City of Peoria for a period of two [2] years; and/or (3) payment of liquidated damages to the City of Peoria in the amount of TWENTY FIVE THOUSAND DOLLARS ($25,000.00). (This does not apply to any City employee involved in the 2011-2012 reduction in force, nor does it apply to parties taking the Early Retirement incentive offered by the City from November 1, 2011 through November 1, 2012.)

14. EEO CERTIFICATION* (Check one):

__X__ We are presently applying for the EEO Certification. Employer Report Form (Form CC-1) is completed and enclosed.

_____ Presently, we have the Employer Report Form (Form CC-1) on file with the City of Peoria, Office of Equal Opportunity and have a current Certificate of Compliance Number.

Certificate of Compliance Number: **IN PROCESS OF RENEWING**

**Please note there is a $50.00 processing fee for new and renewal certification requests.*

15. The undersigned submits herewith this schedule of prices covering the work to be performed under this contract:

Illinois Department of Transportation

Schedule of Prices

Route	Orange Prairie Road
County	Peoria
Local Agency	City of Peoria
Section	09-00343-03-PV

RETURN WITH BID

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
20200100	EARTH EXCAVATION	CU YD	66,698		
20400800	FURNISHED EXCAVATION	CU YD	10,727		
20800150	TRENCH BACKFILL	CU YD	546		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,520		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9,289		
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	5,420		
25000115	SEEDING, CLASS 1B	ACRE	1.9		
25000210	SEEDING, CLASS 2A	ACRE	10.4		
25000312	SEEDING, CLASS 4A	ACRE	4.6		
25000322	SEEDING, CLASS 5A	ACRE	4.6		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,111		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,111		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,111		
25100115	MULCH, METHOD 2	ACRE	15.0		
25100630	EROSION CONTROL BLANKET	SQ YD	9,151		
25200100	SODDING	SQ YD	320		
25200200	SUPPLEMENTAL WATERING	UNIT	10		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,500		
28000305	TEMPORARY DITCH CHECKS	FOOT	1,292		
28000400	PERIMETER EROSION BARRIER	FOOT	3,956		
28000500	INLET AND PIPE PROTECTION	EACH	38		
28000510	INLET FILTERS	EACH	4		
28100107	STONE RIPRAP, CLASS A4	SQ YD	1,239		
28200200	FILTER FABRIC	SQ YD	1,239		
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	23,971		
30201500	LIME	TON	480.8		
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	1,730		
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	3,585		
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	4,451		
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	1,316		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	315		
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	1,192		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	339		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	300		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,930		
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,125		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	237		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	161		
40600990	TEMPORARY RAMP	SQ YD	54		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	6,833		
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	99		
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1,017		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	52		
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	14,383		
42001300	PROTECTIVE COAT	SQ YD	14,383		
	Page Total (To be carried forward to Page 9)				

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Route	Orange Prairie Road
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(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4	SQ FT	3,221		
42400800	DETECTABLE WARNINGS	SQ FT	82		
44000100	PAVEMENT REMOVAL	SQ YD	7,415		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	143		
44000400	GUTTER REMOVAL	FOOT	419		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	439		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	262		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5,639		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2		
50105220	PIPE CULVERT REMOVAL	FOOT	229		
50800105	REINFORCEMENT BARS	POUND	1,250		
50901760	PIPE HANDRAIL	FOOT	35		
54003000	CONCRETE BOX CULVERTS	CU YD	8.3		
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	150		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	131		
542A0226	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	36		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	88		
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	156		
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	24		
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	170		
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	128		
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	112		
542A1087	PIPE CULVERTS, CLASS A, TYPE 2 42"	FOOT	200		
542C0223	PIPE CULVERTS CLASS C, TYPE 1 18"	FOOT	137		
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	7		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	6		
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	4		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4		
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2		
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1		
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	4		
54214725	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	EACH	6		
54215553	METAL END SECTIONS 18"	EACH	6		
54248510	CONCRETE COLLAR	CU YD	1.2		
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	60		
	Carried forward from Page 8				
	Page Total (To be carried forward to Page 10)				

Illinois Department of Transportation

Schedule of Prices

Route	Orange Prairie Road
County	Peoria
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RETURN WITH BID

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	87		
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	302		
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	35		
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	83		
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	237		
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	40		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	259		
60107600	PIPE UNDERDRAINS 4"	FOOT	1,092		
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4		
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
60255500	MANHOLES TO BE ADJUSTED	EACH	1		
60500040	REMOVING MANHOLES	EACH	1		
60500060	REMOVING INLETS	EACH	2		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	9,768		
60621600	CONCRETE MEDIAN, TYPE SM	SQ FT	236		
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	6		
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	6		
61139800	STORM SEWERS (SPECIAL), 4"	FOOT	400		
61139900	STORM SEWERS (SPECIAL), 6"	FOOT	400		
61140000	STORM SEWERS (SPECIAL), 8"	FOOT	400		
61140100	STORM SEWERS (SPECIAL), 10"	FOOT	400		
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	50		
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18		
67100100	MOBILIZATION	L SUM	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	50,873		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	501		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	114,566		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1,815		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	210		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	271		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	39,054		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,500		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,975		
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(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4		
72000100	SIGN PANEL - TYPE 1	SQ FT	337		
72000200	SIGN PANEL - TYPE 2	SQ FT	40		
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	844		
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3		
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	871		
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	45,983		
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,624		
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,852		
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,336		
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	78		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	474		
78200300	PRISMATIC CURB REFLECTOR	EACH	756		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2,462		
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	912		
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	19,024		
81400100	HANDHOLE	EACH	10		
81400300	DOUBLE HANDHOLE	EACH	1		
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	12,115		
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	17,422		
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	27,553		
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	105		
82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1		
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	411		
84200804	REMOVAL OF POLE FOUNDATION	EACH	7		
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	7		
A2000312	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11		
A2000418	TREE, ACER NIGRUM (BLACK MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	9		
A2002912	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8		
	Carried forward from Page 10				
	Page Total (To be carried forward to Page 12)				

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Route	Orange Prairie Road
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(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
A2004512	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	12		
A2004814	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	14		
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	14		
A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8		
A2008416	TREE, TILIA TOMENTOSA STERLING (STERLING SILVER LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	9		
A2008818	TREE, ULMUS AMERICANA VALLEY FORGE (VALLEY FORGE AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	14		
B2005714	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3		
B2006364	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	3		
D2002272	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	10		
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	718		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		
Z0064540	SEEPAGE COLLAR	EACH	3		
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2		
X5510100	STORM SEWER REMOVAL	FOOT	284		
X6021065	INLETS, TYPE G-1, SPECIAL	EACH	4		
X6060160	COMBINATION CONCRETE CURB AND GUTTER OUTLET, (SPECIAL)	EACH	2		
X6060200	CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)	SQ FT	825		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	871		
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	45,983		
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1,624		
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1,852		
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,336		
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	78		
X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1		
PEO00004	INLETS, TYPE A, TYPE 60 GRATE	EACH	1		
PEO00005	OVERFLOW WEIR	CU YD	17		
PEO00008	STREET LIGHTING ASSEMBLY COMPLETE TYPE F1 SPECIAL	EACH	49		
	Carried forward from Page 11				
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RETURN WITH BID

(For complete information covering these items, see plans and specifications)

Item No.	Items	Unit	Quantity	Unit Price	Total
PEO00016	PRECAST CONCRETE BOX CULVERTS (SPECIAL)	FOOT	47		
PEO00017	END SECTIONS (SPECIAL)	EACH	4		
PEO00018	INLETS, TYPE B, TYPE 60 GRATE	EACH	1		
PEO00019	RELOCATION OF EXISTING OVERHEAD SERVICE AND CONTROLLER COMPLETE SPECIAL	EACH	1		
	Carried forward from Page 12				
	Bidder's Proposal for making Entire Improvements				$4,814,136.78

13. The undersigned further agrees that if awarded the contract for the sections contained in the following combinations, he will perform the work in accordance with the requirements of each individual proposal for the multiple bid specified in the schedule below.

Schedule for multiple Bids

Combination letter	Sections included in Combination	Total

ADDENDUM #1

CONTRACTOR NUMBER	1284
CONTRACTOR NAME	R.A. Cullinan & Son, a Div. of UCM, Inc.
ITEM NUMBER	
CONTRACT NUMBER	

THIS IS THE TOTAL BID>>> $4,814,136.78

NOTES:

1. Each PAY ITEM should have a UNIT PRICE and TOTAL PRICE.
2. The UNIT PRICE shall govern if no TOTAL PRICE is shown or if there is a discrepancy between the product of the UNIT PRICE multiplied by the QUANTITY.
3. If a UNIT PRICE is omitted, the TOTAL PRICE will be divided by the QUANTITY in order to establish a UNIT PRICE.
4. A bid may be declared UNACCEPTABLE if neither a unit price nor a total price is shown.

ADDITIONAL NOTES WHICH APPLY FOR THE COMPUTER GENERATED (IDOTCBID) SCHEDULE OF PRICES:

5. Pay item numbers (PIN), descriptions, unit of measure (U of M), quantities, and Department supplied unit prices MUST BE CORRECT and CORRESPOND to the latest schedule of prices issued by the Department or the bid may be declared UNACCEPTABLE.
6. Insert this computer generated schedule of prices into the bidding proposal directly in front of the Department issued schedule of prices.

ADDENDUM # 1

1284 <====CONTRACTOR NUMBER

CONTRACTOR NAME====> R.A. Cullinan & Son, a Div. of UCM, Inc.

COUNTY(IES)========> Peoria

SECTION============> 09-00343-03-PV

LETTING DATE=======> April 10, 2014

ITEM NUMBER========>

<====CONTRACT NUMBER

BLANK PRICES 0

TOTAL QUANTITY 629,502.800

PAY ITEMS 178

TOTAL BID $4,814,136.78

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
20200100	EARTH EXCAVATION	CU Y	66,698.000		7.14		$476,223.72
20400800	FURNISHED EXCAVATION	CU Y	10,727.000		0.01		$107.27
20800150	TRENCH BACKFILL	CU Y	546.000		23.35		$12,749.10
21001000	GEOTECHNICAL FABRIC FOR GROUND ST	SQ Y	2,520.000		1.60		$4,032.00
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU Y	9,289.000		5.49		$50,996.61
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	5,420.000		0.49		$2,655.80
25000115	SEEDING, CLASS 1B	ACRE	1.900		691.87		$1,314.55
25000210	SEEDING, CLASS 2A	ACRE	10.400		820.00		$8,528.00
25000312	SEEDING, CLASS 4A	ACRE	4.600		1,025.00		$4,715.00
25000322	SEEDING, CLASS 5A	ACRE	4.600		1,435.00		$6,601.00
25000400	NITROGEN FERTILIZER NUTRIENT	POUN	1,111.000		1.59		$1,766.49
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUN	1,111.000		1.59		$1,766.49
25000600	POTASSIUM FERTILIZER NUTRIENT	POUN	1,111.000		1.59		$1,766.49
25100115	MULCH, METHOD 2	ACRE	15.000		768.75		$11,531.25
25100630	EROSION CONTROL BLANKET	SQ Y	9,151.000		1.28		$11,713.28

1284

<====CONTRACTOR NUMBER

CONTRACTOR NAME====> R.A. Cullinan & Son, a Div. of UCM, Inc.

COUNTY(IES)========> Peoria

SECTION============> 09-00343-03-PV

LETTING DATE=======> April 10, 2014

ITEM NUMBER========>

<====CONTRACT NUMBER

BLANK PRICES 0

TOTAL QUANTITY 629,502.800

PAY ITEMS 178

TOTAL BID $4,814,136.78

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
25200100	SODDING	SQ Y	320.000		6.66		$2,131.20
25200200	SUPPLEMENTAL WATERING	UNIT	10.000		102.50		$1,025.00
28000250	TEMPORARY EROSION CONTROL SEEDIN	POUN	1,500.000		2.56		$3,840.00
28000305	TEMPORARY DITCH CHECKS	FOOT	1,292.000		7.63		$9,857.96
28000400	PERIMETER EROSION BARRIER	FOOT	3,956.000		3.66		$14,478.96
28000500	INLET AND PIPE PROTECTION	EACH	38.000		110.91		$4,214.58
28000510	INLET FILTERS	EACH	4.000		262.11		$1,048.44
28100107	STONE RIPRAP, CLASS A4	SQ Y	1,239.000		56.27		$69,718.53
28200200	FILTER FABRIC	SQ Y	1,239.000		1.61		$1,994.79
30200650	PROCESSING MODIFIED SOIL 12"	SQ Y	23,971.000		2.65		$63,523.15
30201500	LIME	TON	480.800		73.19		$35,189.75
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	1,730.000		0.01		$17.30
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	3,585.000		22.50		$80,662.50
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	4,451.000		23.12		$102,907.12
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	1,316.000		36.68		$48,270.88

1284 <====CONTRACTOR NUMBER

CONTRACTOR NAME====> R.A. Cullinan & Son, a Div. of UCM, Inc.

COUNTY(IES)========> Peoria

SECTION============> 09-00343-03-PV

LETTING DATE=======> April 10, 2014

ITEM NUMBER========>

<====CONTRACT NUMBER

BLANK PRICES 0

TOTAL QUANTITY 629,502.800

PAY ITEMS 178

TOTAL BID $4,814,136.78

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
35101400	AGGREGATE BASE COURSE, TYPE B	TON	315.000		36.53		$11,506.95
35400300	PORTLAND CEMENT CONCRETE BASE C(	SQ Y	1,192.000		36.64		$43,674.88
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	339.000		21.87		$7,413.93
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	300.000		26.55		$7,965.00
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALL	1,930.000		4.56		$8,800.80
40600115	POLYMERIZED BITUMINOUS MATERIALS (	GALL	2,125.000		4.42		$9,392.50
40600827	POLY. LEVELING BINDER (MACHINE METI	TON	237.000		99.81		$23,654.97
40600982	HOT-MIX ASPHALT SURFACE REMOVAL -	SQ Y	161.000		18.67		$3,005.87
40600990	TEMPORARY RAMP	SQ Y	54.000		26.04		$1,406.16
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-1!	TON	6,833.000		71.21		$486,577.93
40603305	HOT-MIX ASPHALT SURFACE COURSE, MI	TON	99.000		99.47		$9,847.53
40603565	POLY. HOT-MIX ASPHALT SURFACE COUI	TON	1,017.000		92.33		$93,899.61
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACII	TON	52.000		124.41		$6,469.32
42000500	PORTLAND CEMENT CONCRETE PAVEME	SQ Y	14,383.000		48.12		$692,109.96
42001300	PROTECTIVE COAT	SQ Y	14,383.000		0.11		$1,582.13

1284 <====CONTRACTOR NUMBER

CONTRACTOR NAME====> R.A. Cullinan & Son, a Div. of UCM, Inc.

COUNTY(IES)========> Peoria

SECTION============> 09-00343-03-PV

LETTING DATE=======> April 10, 2014

ITEM NUMBER========> BLANK PRICES 0

<====CONTRACT NUMBER TOTAL QUANTITY 629,502.800 PAY ITEMS 178 TOTAL BID $4,814,136.78

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
42400100	PORTLAND CEMENT CONCRETE SIDEWAI	SQ F	3,221.000		5.04		$16,233.84
42400800	DETECTABLE WARNINGS	SQ F	82.000		21.91		$1,796.62
44000100	PAVEMENT REMOVAL	SQ Y	7,415.000		11.80		$87,497.00
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ Y	143.000		3.50		$500.50
44000400	GUTTER REMOVAL	FOOT	419.000		6.68		$2,798.92
48101200	AGGREGATE SHOULDERS, TYPE B	TON	439.000		22.24		$9,763.36
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	262.000		48.28		$12,649.36
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5,639.000		71.00		$400,369.00
50104400	CONCRETE HEADWALL REMOVAL	EACH	2.000		301.74		$603.48
50105220	PIPE CULVERT REMOVAL	FOOT	229.000		11.95		$2,736.55
50800105	REINFORCEMENT BARS	POUN	1,250.000		3.12		$3,900.00
50901760	PIPE HANDRAIL	FOOT	35.000		106.42		$3,724.70
54003000	CONCRETE BOX CULVERTS	CU Y	8.300		1,342.98		$11,146.73
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	150.000		39.70		$5,955.00
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	131.000		44.27		$5,799.37

1284 <====CONTRACTOR NUMBER

CONTRACTOR NAME====> R.A. Cullinan & Son, a Div. of UCM, Inc.

COUNTY(IES)========> Peoria

SECTION============> 09-00343-03-PV

LETTING DATE=======> April 10, 2014

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TOTAL QUANTITY 629,502.800

PAY ITEMS 178

TOTAL BID $4,814,136.78

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
542A0226	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	36.000		48.20		$1,735.20
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	88.000		53.07		$4,670.16
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	156.000		62.59		$9,764.04
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	24.000		78.80		$1,891.20
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 ERS 24	FOOT	170.000		106.09		$18,035.30
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 ERS 30	FOOT	128.000		138.17		$17,685.76
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	112.000		40.42		$4,527.04
542A1087	PIPE CULVERTS, CLASS A, TYPE 2 42"	FOOT	200.000		99.99		$19,998.00
542C0223	PIPE CULVERTS CLASS C, TYPE 1 18"	FOOT	137.000		29.58		$4,052.46
54213660	PRECAST RCFES 15"	EACH	7.000		658.97		$4,612.79
54213663	PRECAST RCFES 18"	EACH	6.000		691.63		$4,149.78
54213666	PRECAST RCFES 21"	EACH	4.000		803.77		$3,215.08
54213669	PRECAST RCFES 24"	EACH	4.000		820.14		$3,280.56
54213675	PRECAST RCFES 30"	EACH	2.000		907.43		$1,814.86
54213687	PRECAST RCFES 42"	EACH	1.000		1,389.60		$1,389.60

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54214509	PRECAST RCFES - ERS 24"	EACH	4.000		983.81		$3,935.24
54214725	PRECAST RCFES - ERS 30"	EACH	6.000		1,109.29		$6,655.74
54215553	METAL END SECTIONS 18"	EACH	6.000		162.15		$972.90
54248510	CONCRETE COLLAR	CU Y	1.200		1,251.25		$1,501.50
550A2320	STORM SEWERS, RG, CLASS A, TYPE 1 12	FOOT	60.000		37.14		$2,228.40
550A2330	STORM SEWERS, RG, CLASS A, TYPE 1 15	FOOT	87.000		40.42		$3,516.54
550A2340	STORM SEWERS, RG, CLASS A, TYPE 1 18	FOOT	302.000		45.13		$13,629.26
550A2360	STORM SEWERS, RG, CLASS A, TYPE 1 24	FOOT	35.000		55.36		$1,937.60
550A2520	STORM SEWERS, RG, CLASS A, TYPE 2 12	FOOT	83.000		43.28		$3,592.24
550A2530	STORM SEWERS, RG, CLASS A, TYPE 2 15	FOOT	237.000		46.89		$11,112.93
550A2560	STORM SEWERS, RG, CLASS A, TYPE 2 24	FOOT	40.000		64.57		$2,582.80
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU Y	259.000		53.74		$13,918.66
60107600	PIPE UNDERDRAINS 4"	FOOT	1,092.000		8.82		$9,631.44
60218300	MANHOLES, TYPE A, 4'-DIA, TYPE 1 FRAM	EACH	1.000		1,717.94		$1,717.94
60218400	MANHOLES, TYPE A, 4'-DIA, TYPE 1 FRAM	EACH	4.000		1,750.98		$7,003.92

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60223800	MANHOLES, TYPE A, 6'-DIA, TYPE 1 FRAM	EACH	1.000		2,166.41		$2,166.41
60224459	MANHOLES, TYPE A, 8'-DIA, TYPE 1 FRAM	EACH	2.000		7,333.32		$14,666.64
60255500	MANHOLES TO BE ADJUSTED	EACH	1.000		496.52		$496.52
60500040	REMOVING MANHOLES	EACH	1.000		498.04		$498.04
60500060	REMOVING INLETS	EACH	2.000		249.02		$498.04
60605000	COMB CONCRETE CURB AND GUTTER, T'	FOOT	9,768.000		20.99		$205,030.32
60621600	CONCRETE MEDIAN, TYPE SM	SQ F	236.000		18.70		$4,413.20
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	6.000		496.97		$2,981.82
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	6.000		938.88		$5,633.28
61139800	STORM SEWERS (SPECIAL), 4"	FOOT	400.000		4.06		$1,624.00
61139900	STORM SEWERS (SPECIAL), 6"	FOOT	400.000		5.89		$2,356.00
61140000	STORM SEWERS (SPECIAL), 8"	FOOT	400.000		9.05		$3,620.00
61140100	STORM SEWERS (SPECIAL), 10"	FOOT	400.000		12.30		$4,920.00
66600105	FURNISHING AND ERECTING RIGHT OF W	EACH	50.000		201.11		$10,055.50
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2.000		738.78		$1,477.56

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67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL	18.000		1,636.73		$29,461.14
67100100	MOBILIZATION	L SU	1.000		115,000.00		$115,000.00
70300100	SHORT TERM PAVEMENT MARKING	FOOT	50,873.000		0.01		$508.73
70300210	TEMPORARY PAVEMENT MARKING LETTE	SQ F	501.000		2.82		$1,412.82
70300220	TEMPORARY PAVEMENT MARKING - LINE	FOOT	114,566.000		0.01		$1,145.66
70300250	TEMPORARY PAVEMENT MARKING - LINE	FOOT	1,815.000		0.31		$562.65
70300260	TEMPORARY PAVEMENT MARKING - LINE	FOOT	210.000		0.56		$117.60
70300280	TEMPORARY PAVEMENT MARKING - LINE	FOOT	271.000		2.56		$693.76
70301000	WORK ZONE PAVEMENT MARKING REMO	SQ F	39,054.000		0.01		$390.54
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,500.000		23.93		$35,895.00
70400200	RELOCATE TEMPORARY CONCRETE BAR	FOOT	1,975.000		5.02		$9,914.50
70600250	IMPACT ATTENUATORS, TEMPORARY (NC	EACH	2.000		5,983.56		$11,967.12
70600350	IMPACT ATTENUATORS, RELOCATE (NON	EACH	4.000		1,289.86		$5,159.44
72000100	SIGN PANEL - TYPE 1	SQ F	337.000		26.14		$8,809.18
72000200	SIGN PANEL - TYPE 2	SQ F	40.000		47.77		$1,910.80

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72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	844.000		19.73		$16,652.12
73100100	BASE FOR TELESCOPING STEEL SIGN SU	EACH	3.000		594.50		$1,783.50
78009000	MOD. URETHANE PAVEMENT MARKING - I	SQ F	871.000		5.13		$4,468.23
78009004	MOD. URETHANE PAVEMENT MARKING - I	FOOT	45,983.000		0.59		$27,129.97
78009006	MOD. URETHANE PAVEMENT MARKING - I	FOOT	1,624.000		0.89		$1,445.36
78009008	MOD. URETHANE PAVEMENT MARKING - I	FOOT	1,852.000		1.21		$2,240.92
78009012	MOD. URETHANE PAVEMENT MARKING - I	FOOT	1,336.000		1.83		$2,444.88
78009024	MOD. URETHANE PAVEMENT MARKING - I	FOOT	78.000		4.61		$359.58
78100100	RAISED REFLECTIVE PAVEMENT MARKEF	EACH	474.000		22.55		$10,688.70
78200300	PRISMATIC CURB REFLECTOR	EACH	756.000		14.58		$11,022.48
78300100	PAVEMENT MARKING REMOVAL	SQ F	2,462.000		3.59		$8,838.58
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	912.000		2.58		$2,352.96
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	19,024.000		4.11		$78,188.64
81400100	HANDHOLE	EACH	10.000		1,414.50		$14,145.00
81400300	DOUBLE HANDHOLE	EACH	1.000		2,290.88		$2,290.88

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81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-	FOOT	12,115.000		0.82		$9,934.30
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-	FOOT	17,422.000		1.29		$22,474.38
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-	FOOT	27,553.000		1.64		$45,186.92
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-	FOOT	105.000		6.66		$699.30
82500360	LIGHTING CONTROLLER, BASE MOUNTEI	EACH	1.000		7,918.13		$7,918.13
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	411.000		153.75		$63,191.25
84200804	REMOVAL OF POLE FOUNDATION	EACH	7.000		433.72		$3,036.04
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	7.000		1,383.75		$9,686.25
A2000312	TREE, ACER MIYABEI MORTON (STATE ST	EACH	11.000		251.13		$2,762.43
A2000418	TREE, ACER NIGRUM (BLACK MAPLE), 2"	EACH	9.000		261.38		$2,352.42
A2002912	TREE, CELTIS OCCIDENTALIS (COMMON I	EACH	8.000		230.63		$1,845.04
A2004512	TREE, GINKGO BILOBA AUTUMN GOLD (A	EACH	12.000		363.88		$4,366.56
A2004814	TREE, GLEDITSIA TRIACANTHOS INERMIS	EACH	14.000		230.63		$3,228.82
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHIT	EACH	14.000		292.13		$4,089.82
A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE C	EACH	8.000		292.13		$2,337.04

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A2008416	TREE, TILIA TOMENTOSA STERLING (STE	EACH	9.000		261.38		$2,352.42
A2008818	TREE, ULMUS AMERICANA VALLEY FORG	EACH	14.000		261.38		$3,659.32
B2005714	TREE, PYRUS CALLERYANA CHANTICLEE	EACH	3.000		230.63		$691.89
B2006364	TREE, SYRINGA RETICULATA IVORY SILK	EACH	3.000		230.63		$691.89
D2002272	EVERGREEN, PICEA PUNGENS GLAUCA ((	EACH	10.000		230.63		$2,306.30
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ Y	718.000		17.33		$12,442.94
Z0013798	CONSTRUCTION LAYOUT	L SU	1.000		37,252.60		$37,252.60
Z0064540	SEEPAGE COLLAR	EACH	3.000		807.49		$2,422.47
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2.000		350.85		$701.70
X5510100	STORM SEWER REMOVAL	FOOT	284.000		18.84		$5,350.56
X6021065	INLETS, TYPE G-1, SPECIAL	EACH	4.000		2,180.08		$8,720.32
X6060160	COMBINATION CONCRETE CURB AND GU	EACH	2.000		534.56		$1,069.12
X6060200	CONCRETE MEDIAN, TYPE SB-6.24 (MODII	SQ F	825.000		15.74		$12,985.50
X7010216	TRAFFIC CONTROL AND PROTECTION, (S	L SU	1.000		41,960.41		$41,960.41
X7830068	GROOVING FOR RECESSED PAVEMENT M	SQ F	871.000		10.25		$8,927.75

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X7830070	GROOVING FOR RECESSED PAVEMENT M	FOOT	45,983.000		0.62		$28,509.46
X7830074	GROOVING FOR RECESSED PAVEMENT M	FOOT	1,624.000		0.92		$1,494.08
X7830076	GROOVING FOR RECESSED PAVEMENT M	FOOT	1,852.000		1.23		$2,277.96
X7830078	GROOVING FOR RECESSED PAVEMENT M	FOOT	1,336.000		3.59		$4,796.24
X7830090	GROOVING FOR RECESSED PAVEMENT M	FOOT	78.000		8.71		$679.38
X8040102	ELECTRIC SERVICE INSTALLATION, SPEC	EACH	1.000		3,344.58		$3,344.58
PEO00004	INLETS, TYPE A, TYPE 60 GRATE	EACH	1.000		703.57		$703.57
PEO00005	OVERFLOW WEIR	CU Y	17.000		763.64		$12,981.88
PEO00008	STREET LIGHTING ASSEMBLY COMPLETE	EACH	49.000		11,306.26		$554,006.74
PEO00016	PRECAST CONCRETE BOX CULVERTS (SF	FOOT	47.000		248.01		$11,656.47
PEO00017	END SECTIONS (SPECIAL)	EACH	4.000		1,651.46		$6,605.84
PEO00018	INLETS, TYPE B, TYPE 60 GRATE	EACH	1.000		1,198.25		$1,198.25
PEO00019	RELOCATION OF EXISTING OVERHEAD SE	EACH	1.000		912.25		$912.25

Illinois Department of Transportation

Signatures

Route: Orange Prairie Road
County: Peoria
Local Agency: City of Peoria
Section: 09-00343-03-PV

RETURN WITH BID

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Insert Names and Addresses of All Partners

(If a corporation)

Corporate Name R.A. CULLINAN & SON, A DIV. OF UCM

Signed By Ronald L. Rowell
RONALD L. ROWELL VICE President

Business Address 121 W. PARK ST., P.O. BOX 166
TREMONT, IL 61568-0166

Insert Names of Officers

President JAMES P. BRUNER

Secretary ALLEN D. CULLINAN

Treasurer KENTON W. DAY

Attest: _____
ASST. Secretary

Printed on 3/18/2014 2:53:51 PM

BLR 12223 (Rev. 7/05)

Illinois Department of Transportation

Local Agency Proposal Bid Bond

RETURN WITH BID

Route Orange Prairie Rd
County Peoria
Local Agency City of Peoria, Illinois
Section 09-00343-03-PV

PAPER BID BOND

WE R.A. Cullinan & Son, A Division Of United Contractors Midwest, Inc. as PRINCIPAL,

and Travelers Casualty & Surety Company of America as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE, if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements as set forth in the preceding paragraph, then LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 10th day of April 2014.

PRINCIPAL

R.A. Cullinan & Son, A Division Of United Contractors Midwest, Inc.
(Company Name)

By: Ronald L. Rowell
(Signature & Title)
Ronald L. Rowell, Vice-President

(Company Name)

By:
(Signature & Title)

(IF PRINCIPAL is a joint venture of two or more contractors, the company names, and authorized signatures of each contract must be affixed.)

SURETY

Travelers Casualty & Surety Company of America
(Name of Surety)

By:
(Signature of Attorney-in-Fact)
Patrick J. Taphorn, Attorney-in-Fact

STATE OF ILLINOIS,
COUNTY OF Peoria

I, Christy S. Ewalt, a Notary Public in and for said county,
do hereby certify that Ronald L. Rowell and Patrick J. Taphorn
(Insert names of individuals signing on behalf of PRINCIPAL and SURETY)
who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 10th day of April 2014.

OFFICIAL SEAL
CHRISTY S. EWALT
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 8-1-2016

My commission expires 08/01/2016

Christy S. Ewalt
(Notary Public)

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**
The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Form. By providing an electronic bid bond ID code and by signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

TRAVELERS

POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 226368 **Certificate No.** 005703636

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Afton Booth, Patrick J. Taphorn, and Kathy Betteridge

of the City of Pekin, State of Illinois, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 8th day of November, 2013.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

State of Connecticut
City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the 8th day of November, 2013, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.

Marie C. Tetreault
Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

Illinois Department of Transportation

Apprenticeship or Training Program Certification

Return with Bid

Route	Orange Prairie Road
County	Peoria
Local Agency	City of Peoria
Section	09-00343-03-PV

All contractors are required to complete the following certification:

☒ For this contract proposal or for all groups in this deliver and install proposal.

☐ For the following deliver and install groups in this material proposal:

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidders' subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

I. Except as provided in paragraph IV below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.

II. The undersigned bidder further certifies for work to be performed by subcontract that each of its subcontractors submitted for approval either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.

III. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

SEE ATTACHED

UCM
United Contractors Midwest

P.O. Box 166
Tremont, IL 61568
Ph: (309) 925-2711
Fax: (309) 925-7131

RE: Certificate of Registration for Apprenticeship and Training Programs

R. A. Cullinan & Son; Illinois Valley Paving; Freesen; Rowe Construction; Gunther Construction; Gunther Underground: State Highway Construction Corp., Inc.; and River City Supply, Inc. are Companies and Divisions of United Contractors Midwest, Inc. participating in one or more of the following Apprenticeship and Training Programs:

1) Apprenticeship & Skill Improvement – Local 150 Operating Engineers
2) Operating Engineers Local 318 Joint Apprenticeship and Training Program
3) Operating Engineers Local 520 Apprenticeship Program
4) Operating Engineers Local 649 Apprenticeship Fund
5) IUOE Local 841 Apprenticeship & Training
6) Local 965 Operating Engineer Improvement Committee for Central Illinois
7) Illinois Laborers' and Contractor's Training Trust Fund
8) Mid-Central Illinois Dist. Council of Carpenters Joint Apprenticeship Training Committee

Local 16	Local 183	Local 347	Local 742
Local 44	Local 189	Local 644	Local 904
Local 63	Local 269	Local 725	Local 1051

9) Southern Illinois Dist. Council of Carpenters Joint Apprenticeship Training Committee
10) Operative Plasterers and Cement Mason #143 Joint Apprenticeship Training Committee
11) Operative Plasterers and Cement Mason #18 Joint Apprenticeship Training Committee
12) Operative Plasterers and Cement Mason #539 Joint Apprenticeship Training Committee
13) Peoria Ironworkers Joint Apprenticeship Committee
14) Bridge, Structural, Ornamental & Reinforcing Ironworkers Local Union No. 112
15) Ironworkers Local 48 Joint Apprenticeship Committee Program
16) Teamsters Joint Council No. 25 Apprenticeship Program

UCM SUBCONTRACTED WORK TYPE LISTED PER PARAGRAPH "K"

Pavement Striping	Environmental	Hazardous Waste Removal
Bridge Cleaning & Painting	Traffic Control	Waterproof Membrane System
Electrical	Hydro Demolition	Guardrail & Fence
Lime Stabilization	Asbestos Removal	Reflective Crack Control Treatment
Construction Layout	Drilled Shafts	Saw & Sealing Joints
Material Testing	Underground Utilities	Wall Tieback System
Engineering	Dredging	Hauling
Demolition	Landscaping	

(Revised 012413)

IV. Except for any work identified above, any bidder or subcontractor that shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforce and positions of ownership. ☐

_____

_____

_____

_____

_____

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or after award may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder: R. A. CULLINAN & SON, A DIVISION OF UCM, INC.

By: Ronald L. Powell (Signature)

Address: 121 W. PARK ST., P. O. BOX 166 TREMONT, IL 61568-0166

Title: VICE PRESIDENT

Illinois Department of Transportation

Certificate of Eligibility

United Contractors Midwest, Inc.
3151 Robbins Road Springfield, IL 62704

Contractor No 738B

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

		SUPER UNLIMITED
001	EARTHWORK	Unlimited
002	PCC PAVING	Unlimited
003	HMA PLANT MIX	Unlimited
006	CLEAN & SEAL CRACKS/JOINTS	$675,000
007	SOIL STABILIZATION & MOD.	$5,500,000
011	ANCHORS & TIEBACKS	$100,000
012	DRAINAGE	$25,350,000
017	CONCRETE CONSTRUCTION	$11,725,000
018	LANDSCAPING	$1,500,000
022	FENCING	$875,000
023	GUARDRAIL	$2,800,000
024	GROUTING	$50,000
026	SIGNING	$1,725,000
031	PAVT. TEXTUR. & SURF. REM.	$2,350,000
032	COLD MILL,PLAN. & ROTOMILL	$19,125,000
034	DEMOLITION	$825,000
08A	AGGREGATE BASES & SURF. (A)	$27,975,000
09C	HWY., R.R. & WATERWAY STR.	Unlimited
15A	COVER & SEAL COATS (A)	$9,250,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 4/1/2013 TO 4/30/2014 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION.
ISSUED AT SPRINGFIELD, ILLINOIS ON 4/2/2013.

Mark W Renn
Acting Engineer of Construction

IL 494-0645

MINORITY AND FEMALE WORKFORCE UTILIZATION

The City of Peoria is committed to ensuring our construction projects offer equal employment opportunity to all the citizens we serve. The Prime Contractor and all of its subcontractors are to make a good faith effort to comply with the following goals for minority and female workforce utilization.

1. Eighteen (18) percent of the total hours worked, per trade, should be performed by minority workers.

2. Three (3) percent of the total hours worked, per trade, should be performed by female workers.

Each contractor must maintain certified payroll records verifying the hours worked by minority and female workers. These records must be provided to the City of Peoria. For directions on submitting this information, see Minority and Women's Business Enterprise (M/WBE) Participation Requirements for Good-Faith Efforts, Section VII.

CITY OF PEORIA

RETURN WITH BID

CITY OF PEORIA
SUBCONTRACTOR UTILIZATION STATEMENT

Section I (*select all that apply*)
_____MBE/WBE Subcontractor(s) will be utilized on this project
_____Non MBE/WBE Subcontractor(s) will be utilized on this project

Section II

PRIME CONTRACTOR

Name: R. A. CULLINAN & SON, A DIVISION OF UCM, INC.

Address: P.O. BOX 166 TREMONT, IL 61568

Phone: 309/925-2711

Contact Person: KEVIN C. WALKER

Email: kevin.walker@ucm.biz

Ownership Status: MBE____ WBE____ M/WBE____ Non-M/WBE XXX

PROJECT

Name: ORANGE PRAIRIE ROAD

Total Contract Value: $ 4,814,136.78

Section III: Selected Subcontractors

Subcontractor Name	MBE, WBE or Non M/WBE	Amount	% of Total Contract	Scope of Work
Varsity Stripping	WBE	$149,648.00	3.10	Striping
Midwest Construction Serv	WBE	$52,345.00	1.08	Signing & Traffic Control
Worth Cutting	Non M/WBE	$16,575.00	0.34	Put sealing
Double D Landsurveying	Non M/WBE	$36,344.00	0.75	Construction Lay out
Thorton Rave	MBE	$96,969.00	2.01	Put Accesories
Electrical Resource Mgt.	WBE	$276,300.00	5.74	Electrical Supply
CNS Forestry	WBE	$92,581.00	1.92	Seeding, Sod, Trees
TOTALS		$720,762.00		

**If more than seven firms are utilized, please copy the form and attach the additional information.*

Section IV: Subcontractors that submitted bids but were not selected (M/WBE Only)

Subcontractor Name	Scope of Work Bid	Denial Reason
CJL LANDSCAPING	SEEDING	TOO HIGH
CENTRAL LANDSCAPING	SEEDING	TOO HIGH
EARTH CARE	SEEDING	TOO HIGH
MILLENNIA	SEEDING, STORM, STAKING	TOO HIGH
BUDDY'S	SEEDING	TOO HIGH
CENTRAL IL CONSTRUCTION	STAKING	TOO HIGH
PHOENIX CORP.	BARRIER	TOO HIGH

**If more than seven firms submitted quotes, please copy the form and attach the additional information.*

Office Use Only
Reviewed by: _____

* SEE NEXT PAGE

CITY OF PEORIA

RETURN WITH BID

CITY OF PEORIA
SUBCONTRACTOR UTILIZATION STATEMENT

Section I (*select all that apply*)
_____MBE/WBE Subcontractor(s) will be utilized on this project
_____Non MBE/WBE Subcontractor(s) will be utilized on this project

Section II

PRIME CONTRACTOR
Name: R. A. CULLINAN & SON, A DIVISION OF UCM, INC.
Address: P.O. BOX 166 TREMONT, IL 61568
Phone: 309/925-2711
Contact Person: KEVIN C. WALKER
Email: kevin.walker@ucm.biz
Ownership Status: MBE _____ WBE _____ M/WBE_____ Non-M/WBE XXX

PROJECT
Name: ORANGE PRAIRIE ROAD
Total Contract Value: $4,814,136.78

Section III: Selected Subcontractors

Subcontractor Name	MBE, WBE or Non M/WBE	Amount	% of Total Contract	Scope of Work
Laser Electric	Non M/WBE	$851,874.00	17.69	electrical
Dunn Company	Non M/WBE	$96,414.00	2.00	Lime
Alexander Bros	MBE	$55,180	1.14	Trucking
TOTALS		$1,003,468	20.84	

**If more than seven firms are utilized, please copy the form and attach the additional information.*

Section IV: Subcontractors that submitted bids but were not selected (M/WBE Only)

Subcontractor Name	Scope of Work Bid	Denial Reason
ORDAZ	CONCRETE	TOO HIGH
MIDWEST SEEDING SUPPLY	TREES	TOO HIGH

**If more than seven firms submitted quotes, please copy the form and attach the additional information.*

Office Use Only
Reviewed by: _____

Section V: Subcontractors Contacted (M/WBE Only)

Subcontractor Name	Method of Contact	Contact Outcome
CJL LANDSCAPING	E-MAIL	TOO HIGH
CENTRAL LANDSCAPING	E-MAIL	TOO HIGH
EARTH CARE	E-MAIL	TOO HIGH
MILLENNIA	E-MAIL	TOO HIGH
MCS	E-MAIL	USED IN BID
VARSITY	E-MAIL	USED IN BID
BUDDY'S	E-MAIL	TOO HIGH

**If more than seven firms were contacted, please copy the form and attach the additional information.*

Section VI

The City of Peoria is committed to promoting equal opportunity and has established the following subcontractor utilization goals for city funded construction projects: 10% MBE and 5% WBE. Prime Contractors have an obligation to make a good faith effort to advance the city's commitment to increase diversity among the firms working on city construction projects.

This form must be completed and submitted with bid proposals. ALL subcontractors intended for use on this project shall be listed in Section III above; along with the total amount to be paid to the subcontractors; percentage of total contract; and scope of work. If for whatever reason the prime contractor has to utilize a subcontractor not listed above, they must submit a Notification of Change in Participation.

The undersigned certifies that the information included herein is true and correct; the subcontractors listed above have agreed to perform the scope of work described. The undersigned further certifies that it has no controlling, dominating or conflict of interest in any of the listed subcontractors.

Signature of Prime Contractor

APRIL 10, 2014
Date

Org.: May 2008
Revised: Feb. 2011

Office Use Only
Reviewed by: _____

Section V: Subcontractors Contacted (M/WBE Only)

Subcontractor Name	Method of Contact	Contact Outcome
ALEXANDER BROTHERS	E-MAIL	USED IN BID
CENTRAL IL CONSTRUCTION	E-MAIL	TOO HIGH
J+J CONSTRUCTION	VOICE MAIL	NO BID
ORDAZ	E-MAIL	TOO HIGH
WARDS CUSTOM LANDSCAPING	VOICEMAIL	NO BID
CNS FORESTRY	E-MAIL	USED IN BID
PHOENIX CORP.	E-MAIL	TOO HIGH

**If more than seven firms were contacted, please copy the form and attach the additional information.*

Section VI

The City of Peoria is committed to promoting equal opportunity and has established the following subcontractor utilization goals for city funded construction projects: 10% MBE and 5% WBE. Prime Contractors have an obligation to make a good faith effort to advance the city's commitment to increase diversity among the firms working on city construction projects.

This form must be completed and submitted with bid proposals. ALL subcontractors intended for use on this project shall be listed in Section III above; along with the total amount to be paid to the subcontractors; percentage of total contract; and scope of work. If for whatever reason the prime contractor has to utilize a subcontractor not listed above, they must submit a Notification of Change in Participation.

The undersigned certifies that the information included herein is true and correct; the subcontractors listed above have agreed to perform the scope of work described. The undersigned further certifies that it has no controlling, dominating or conflict of interest in any of the listed subcontractors.

Ken C Walk
Signature of Prime Contractor

APRIL 10, 2014
Date

Org.: May 2008
Revised: Feb. 2011

Office Use Only
Reviewed by: _____

Section V: Subcontractors Contacted (M/WBE Only)

Subcontractor Name	Method of Contact	Contact Outcome
MIDWEST SEEDING SUPPLY	E-MAIL	TOO HIGH

**If more than seven firms were contacted, please copy the form and attach the additional information.*

Section VI

The City of Peoria is committed to promoting equal opportunity and has established the following subcontractor utilization goals for city funded construction projects: 10% MBE and 5% WBE. Prime Contractors have an obligation to make a good faith effort to advance the city's commitment to increase diversity among the firms working on city construction projects.

This form must be completed and submitted with bid proposals. ALL subcontractors intended for use on this project shall be listed in Section III above; along with the total amount to be paid to the subcontractors; percentage of total contract; and scope of work. If for whatever reason the prime contractor has to utilize a subcontractor not listed above, they must submit a Notification of Change in Participation.

The undersigned certifies that the information included herein is true and correct; the subcontractors listed above have agreed to perform the scope of work described. The undersigned further certifies that it has no controlling, dominating or conflict of interest in any of the listed subcontractors.

Kenn C Valk
Signature of Prime Contractor

APRIL 10, 2014
Date

Org.: May 2008
Revised: Feb. 2011

For Office Use Only
Reviewed by: _____

CITY OF PEORIA

RETURN WITH BID

CITY OF PEORIA
M/WBE PARTICIPATION WAIVER REQUEST

PRIME CONTRACTOR

Name: _____

Address: _____

Phone: _____

Contact Person: _____

PROJECT

Name: _____

_____

We hereby request to waive all of the MBE and WBE participation goals on the above named project and self-perform all work for the following reason(s). The firm further affirms that the stated reasons and documents provided are true and correct and not misleading: **(CHECK ALL THAT APPLY. SPECIFIC SUPPORTING DOCUMENTATION MUST BE SUBMITTED WHERE INDICATED.)**

1. No MBEs/WBEs responded to our invitation to bid. _____
2. No subcontracting opportunities exist. (Attach explanation) _____
3. The award of subcontract(s) is impracticable. (Attach explanation) _____

SIGNED: _____ DATE: _____
(Company Official)

FOR OFFICE USE ONLY

☐ **APPROVED** ☐ **DISAPPROVED**

REVIEWED BY _____ **DATE** _____

ADDENDUM NO. 1

CITY OF PEORIA
ORANGE PRAIRIE ROAD EXTENSION
SECTION 09-00343-03-PV
PEORIA COUNTY, ILLINOIS
April 4, 2014

Re: Addendum for Bid Package, Orange Prairie Road Extension Sta. 90+50 to Sta. 148+84.31, Peoria, IL

The following shall be considered a part of the Contract Documents for the subject project and shall apply to all construction thereunder.

ACKNOWLEDGEMENT OF ADDENDUM #1 MUST BE INCLUDED WITH ANY BID.

SPECIFICATIONS:

Additional insurance requirements shall be included by adding the following Special Provisions for CONTRACTOR'S INSURANCE and PROOF OF CARRIAGE OF INSURANCE:

CONTRACTOR'S INSURANCE

The Contractor shall not commence work under this project until he has obtained all insurance required under this paragraph and such insurance has been approved by the City of Peoria, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved by the City of Peoria.

The Contractor shall require Subcontractors, if any, not protected under the Contractor's insurance policies as an additional insured to take out and maintain insurance of such nature in amounts not less than that required of the principal Contractor, excluding Umbrella Coverage and Owner's Protective Liability and Property Damage Insurance, and any and all insurance obtained by any Subcontractor or Subcontractors shall be approved by the City of Peoria.

All policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insured or additional insureds thereunder.

COMPENSATION INSURANCE

The Contractor shall take out and maintain during the life of this project Worker's Compensation Insurance for all of his employees employed at the site of the project and, in case any work is sublet, the Contractor shall require the Subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees unless such employees are covered by the

protection afforded by the Contractor, and any such insurance obtained by any subcontractor or subcontractors shall be approved by the City of Peoria. In case any class of employees engaged in hazardous work at the site of the project is not protected under the Worker's Compensation statute, the Contractor shall provide, and shall cause each Subcontractor to provide adequate insurance coverage for the protection of his employees not otherwise protected, such as accident insurance, and any such insurance shall be approved by the City of Peoria.

PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE

The Contractor shall take out and maintain during the life of the project such General Liability, Public Liability and Property Damage Insurance as shall protect him and any Subcontractor performing work covered by this project, from claims for damages for personal injury, including accidental death, as well as from claims for property damages, which may arise from operations under this project, whether such operations be by himself or by any Subcontractors or by anyone directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:

Commercial General Liability Insurance that provides Property Damage and/or Bodily Injury in an amount not less than $1,000,000 per occurrence and $2,000,000 aggregate.

OWNER'S PROTECTIVE LIABILITY AND PROPERTY DAMAGE INSURANCE

The Contractor shall obtain Owner's Protective Liability and Property Damage Insurance in an amount not less than $1,000,000 per occurrence and $2,000,000 aggregate. If endorsements to the above public liability and property damage insurance policies cannot be made, then separate policies providing such protection must be furnished by the Contractor.

AUTOMOBILE INSURANCE

The Contractor shall take out and maintain during the life of the project such automobile insurance covering all owned and non-owned vehicles as shall project him an any Subcontractor performing work covered by this project, from claims for damages in an amount not less than $1,000,000 Combined Bodily Injury and Property Damage.

UMBRELLA COVERAGE

The Contractor shall take out and maintain during the life of the project such Umbrella or Excess Liability coverage as shall protect him and any Subcontractor performing work covered by this project, from claims for damages in an amount not less than $2,000,000 per occurrence and $5,000,000 annual aggregate.

ADDITIONAL INSURED ENDORSEMENT

All Liability insurance policies shall name the City of Peoria, its officers, directors, employees, agents, representatives, subsidiaries, successors and assigns, as additional insureds, shall be primary to any other insurance carried by the City of Peoria and shall provide coverage consistent with ISO CG 20 26, and shall maintain the required coverages, naming the City of Peoria as an additional insured, for a period not less than three years from the date the City of Peoria and Contractor execute an Agreement to Final Quantities.

PROOF OF CARRIAGE OF INSURANCE

The Contractor and all Subcontractors shall furnish the City of Peoria with satisfactory proof of insurance coverage. This shall include an A.M. Best "A" rating before the project begins. If coverage is cancelled or the carrier's rating falls below A.M. Best "A" rated, the City of Peoria shall be notified in writing.

Certificates of Insurance are required. The Certificate must state the following "The City of Peoria, its officers, directors, employees, agents, and representatives, are named as Additional Insureds on a primary basis for liability arising out of the contractor's operations."

Upon request the Contractor must provide copies of the policies and endorsements, failure to provide the required certificates of insurance shall not operate to invalidate the insurance requirements under this Contract.

PLANS:

Make the following changes to the plan sheets:

Sheet 124: In the POST ANCHORAGE DETAIL and DETAIL A, the sleeve Inner Diameter (I.D.) shall be 2".

PREVIOUS BID TABS:

The bid tabulations for the other two phases of the project are attached for information only.

END OF ADDENDUM NO. 1

Sincerely,

Scott Reeise, P.E.

SPECIAL PROVISIONS

State of Illinois

Special Provisions

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2012; the "Supplemental Specifications and Recurring Special Provisions," adopted January 1, 2014 (as indicated on the check sheet included herein); and the latest edition of the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois", and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids. These Special Provisions included herein apply to and govern the proposed storm sewer, roadway, and other improvements on Section 09-00343-03-PV for Orange Prairie Road in the City of Peoria, Peoria County, Illinois. In case of conflict with any part or parts of said specifications, said special provisions shall take precedent and shall govern.

DESCRIPTION OF WORK

This work consists of the construction of storm sewer, roadway, and other improvements on Orange Prairie Road. Included in this work is earth excavation, pavement removal, embankment, storm sewer, inlets, manholes, subbase granular material, lime modified subgrade, sidewalk, hot-mix asphalt multi-use path, driveway pavement, curb and gutter, P. C. concrete pavement, HMA pavement and pavement widening, HMA shoulders, roadway lighting, landscaping, and all necessary incidental work as shown on the plans or as described herein.

DEFINITION OF TERMS

Section 101 of the Standard Specifications shall be revised as follows:

Article 101.14 Department. The City of Peoria.

Article 101.16 Engineer. The designated employee or representative of the City of Peoria.

The Engineer will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs.

Article 101.19 Inspector. The authorized representative of the Engineer assigned to make detailed observations of any or all portions of the work or material therefore.

This activity is not to be interpreted as an inspection service, a construction supervision service, or a guaranteeing of the Contractor's performance. The Inspector will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs. The Inspector will not be responsible for the Contractor's obligation to carry out the work in accordance with the Contract Documents.

RESPONSIBILITY FOR DAMAGE CLAIMS

The Contractor shall indemnify and save harmless the CITY OF PEORIA and the FARNSWORTH GROUP, INC., their officers and employees against all loss, damage or expense that it or they may sustain as a result of any suits, actions, or claims of any character brought on account of injury to or death of any person or persons, including all persons performing any work under this contract, which may arise in any way (except for a negligent act of the City of Peoria, its officers or employees) in connection with the work to be performed under this contract, including but not limited to, suits, actions or claims arising under "An Act providing for the protection and safety of persons in and about the construction, repairing, alteration or removal of building, bridges, viaducts, and other structures, and to provide for the enforcement thereof," approved June 3, 1907, (740 ILCS 150/1), as amended: the Contractor shall also indemnify and save harmless the CITY OF PEORIA and the FARNSWORTH GROUP INC., its officers and employees, from all suits, actions, or claims of any character brought because of any injuries or damages received or sustained by any person, persons, or property, on account of, or in consequence of, any neglect by Contractor or a Subcontractor in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Contractor; or because of any claims or amounts recovered for any infringements of patent, trademark, or copyright, or from any claims or amounts arising or recovered under the "Workers Compensation Act," or any other law, ordinance, order, or decree, and so much of the money due the said Contractor under and by virtue of his contract as shall be considered necessary by the Department for such purposes, may be retained for the use of the ENGINEERING DIVISION; or, in case no money is due, his surety shall be held until such suits, actions, or claims have been settled and suitable evidence to that effect furnished to the Department.

QUALIFICATION OF CONTRACTORS

Each prospective bidder must be prequalified in accordance with Section 102 of the Standard Specifications. A valid copy of the Contractor's "Certificate of Eligibility" must be on file prior to being issued a set of bidding documents. All subcontractors shall be registered with the Illinois Department of Transportation.

COMPLETION DATE

The Contractor shall be required to complete all work items in the PRE-STAGE 1 work (including street lighting, permanent seeding, pavement markings and signage) according to the Stage Construction and Traffic Control Plan (Sheet 51) by November 15, 2014. Failure to complete work on time provisions according to Article 108.09 of the Standard Specifications shall begin on November 16, 2014, if all work items specified above are not completed within the specified time frame.

The Contractor shall note the allowable time frame for the road closures at the IL Route 91/Grange Hall Road (CH D32) intersection as discussed in the SEQUENCE OF OPERATIONS special provision below. Road Closures for the intersection during Stages 1 and 2 shall only be allowed between June 1st and August 15th. All work associated with the road closures and Stages 1 and 2 at the intersection shall be completed and roadways open to traffic on August 16, 2015. Failure to complete work on time

provisions according to Article 108.09 of the Standard Specifications shall begin on August 16, 2015 if all work items specified above are not completed within the specified time frame.

The Contractor shall be required to complete all work items for the entire construction contract, including punch list and clean-up items by September 30, 2015. Failure to complete work on time provisions according to Article 108.09 of the Standard Specifications shall begin on October 1, 2015, if all work items specified above are not completed within the specified time frame.

The Contractor shall note the seeding and sodding times listed in the Standard Specifications will still be enforced.

PROSECUTION AND PROGRESS OF WORK

Special attention is called to Section 108 of the "Standard Specifications for Road and Bridge Construction." Article 108.03 shall be revised to require that the Contractor notify the Engineer at least forty-eight (48) hours in advance of either discontinuing or resuming operations.

If an Engineer or an Inspector for the City of Peoria Engineering Division is not on the job and notification as required has been given, the contractor in charge of the work shall immediately notify the Engineering Division that work has been resumed and request that the Project Engineer for the City Engineering Division be notified.

Work performed without proper notification to the City Engineering Division as indicated herein may be rejected by the Engineer for the City of Peoria and no compensation will be made for said work. In addition, the contractor may be required to remove the item of construction at its own expense and replace the item of construction in accordance with the plans and specifications.

The Contractor shall work with the City to notify and coordinate with the local Police, Fire, and Emergency services, Transit Bus Services, School District, Postal, IDOT, County Highway Department, and garbage pickup service seven (7) calendar days prior to the beginning of work and shall keep the same services updated on the status of road closures throughout the duration of the project.

COOPERATION OF CONTRACTORS

This construction contract for Section 09-00343-03-PV may be let and construction started prior to completion of the construction contract for Sections 09-00343-01-PV and 09-00343-02-BR to the south resulting in work being completed concurrently with the work included in this proposal. Water main construction work may also be taking place within the project limits under a separate contract. Plans for the water main work will be made available to the Contractor by the City upon request. All work shall be completed in accordance with Article 105.08 of the Standard Specifications.

EXISTING UNDERGROUND FACILITIES

The City of Peoria and the Farnsworth Group, Inc. assume no responsibility for the presence, specific size or location of underground distribution systems of the several public utility corporations. No responsibility for the protection of said underground systems will be assumed by the City of Peoria

unless such protection is incidental to the protection of the municipally-owned property of the City of Peoria. If such protection is found to be necessary to water mains, gas mains, steam mains, underground electrical distribution systems, underground telephone circuit systems or any other underground systems of non-municipal ownership, the cost of same, in whole or in part, is disclaimed by the City of Peoria and the Farnsworth Group, Inc.

UTILITY CONTACT INFORMATION

The following utilities are located within the project limits:

Name and Address of Utility	Type	Name and Address of Utility	Type
Ameren CILCO Mr. Kent Kowalske 300 Liberty Street Peoria, IL 61602 (309) 693-4787	Gas	AT&T Mr. John O'Flaherty 2315 N. Knoxville Peoria, IL 61604 (309) 686-3316	Telephone & Fiber Optic
Ameren CILCO Mr. Jon Reick 300 Liberty Street Peoria, IL 61602 (309) 693-4787	Electric	McLeod/Paetec Mr. Mark Mills 102 East Shafer Street Forsythe, IL 62535 (217) 519-0464	Fiber Optic
Comcast Mr. Bruce VonBrethorst 3517 N. Dries Lane Peoria, IL 61604 (309) 686-2677	Cable	Illinois American Water Mr. Jim Bessler 123 SW Washington Street Peoria, IL 61602 (309) 566-4133	Water
Greater Peoria Sanitary District Mr. Al Howerter 2322 S. Darst Street Peoria, IL 61607 (309) 272-4842	Sanitary Sewer	Frontier Communications Mr. Terry Spurgeon 111 S. Main St. Kewanee, IL 61443	Telephone & Fiber Optic

The above represents the best information of the City, and is included solely for the convenience of the bidder. The applicable provisions of Articles 105.07, 107.20 and 107.31 of the Standard Specifications for Road and Bridge Construction shall apply.

The Contractor should notify the Engineer, in writing, of any utility adjustment or removal which has not been completed as required for the Contractor's operations.

Whenever a question arises regarding the existence or location of a buried utility, call the toll free J.U.L.I.E. telephone number, 1-800-892-0123, before starting excavation. Allow 48 hours for other than emergency assistance.

COOPERATION WITH UTILITY COMPANIES

It is understood and agreed that the Contractor has considered, in his or her bid, all the permanent and temporary utility appurtenances in their present or relocated positions and that no additional compensation will be allowed for any delays, inconvenience or damage sustained by him or her due to any interference from the said utility appurtenances or the operations of moving them.

All telephone, cableway, gas, electric, water, and wire or fiber lines, which are in conflict within the limits of the proposed construction owned by various utility companies, are to be moved by the owners of the particular utility involved at the owner's expense.

UTILITIES COORDINATION

The utility companies have been notified of the impending project and the plans indicate the general location of the existing known utility lines. However, all utility companies must be notified by the Contractor, in writing, at least one (1) week in advance prior to starting construction so that they will have adequate time to locate and mark their utility locations in the field and twenty-four (24) hours prior to commencing actual construction work. All utility companies must be notified so that they may have personnel on the job site to assist in locating their utility lines and avoid damage to their utilities. A copy of the letter notifying the utility companies of the Contractor's intention to start work must be received by the City of Peoria Engineering Division before the Contractor will be permitted to start construction.

Any facilities disturbed by the Contractor shall be restored by him/her at his/her own expense. The Contractor shall coordinate with the proper utility the relocation of any facility designated on the plans or deemed necessary to be relocated by the Engineer or Utility Agency in order to complete construction of the project. Special attention is called to Article 107.31. Residents and businesses shall be notified of impending service outages and no residence or business shall be without service overnight.

Whenever a question arises regarding the existence or location of a buried utility, call the toll free J.U.L.I.E. telephone number, 1-800-892-0123 or 811, before starting excavation. Allow 48 hours for other than emergency assistance.

J.U.L.I.E. SYSTEM

The J.U.L.I.E. (Joint Utility Locating Information for Excavators) must be notified prior to starting construction, so that the respective utilities may have adequate time to locate and mark their underground facilities. Phone: 1-800-892-0123 or 811. The following information may be requested by J.U.L.I.E.:

County Name: PEORIA

Township Name:	RADNOR
Section Number:	34, 35, 26, 27
Quarter Section:	34 – SOUTHEAST, NORTHEAST
	35 – SOUTHWEST, NORTHWEST
	26 – SOUTHWEST
	27 – SOUTHEAST

CERTIFIED PAYROLL REQUIREMENTS

Contractors and subcontractors on public works projects must submit certified payroll records on a monthly basis to the public body in charge of the construction project, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate, and that the contractor is aware that filing records he or she knows to be false is a Class B Misdemeanor. The Certified Payroll Records must include, for every worker employed on the public works project, the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day, and starting and ending time of work each day.

PREVAILING WAGE PROVISION

This contract is for the performance of "public works" as that term is defined by 820 ILCS 130/2. Not less than the prevailing rate of wages as found by the Illinois Department of Labor or determined by a Court on review shall be paid to all laborers, workers and mechanics performing work under this contract. These prevailing rates of wages are included in this contract.

If the Department of Labor revises the prevailing rate of hourly wages to be paid by the public body, the revised rate as provided by the public body shall apply to this contract.

PROTECTION OF THE PUBLIC

In general, in addition to the requirements in the Standard Specifications, protection of the public shall be in accordance with Chapter 26, Article V of the Code of the City of Peoria, Illinois entitled "Excavation Generally," except that Sections 26-139, 26-140, 26-141 and 26-142 shall not apply.

Barricades, warning signs, and other devices shall be maintained as provided for by the City Code herein referred. The cost of any signs, barricades, or warning devices required to adequately accomplish partial or complete closure of streets shall be paid for under Traffic Control and Protection (Special) and no additional compensation will be allowed.

ADJUSTMENT OF QUANTITIES

The Contractor makes this bid with the understanding that the quantities are approximate only, and that the Engineer expressly reserves the right to increase or reduce quantities as deemed necessary for the successful completion of the project.

ITEMS COMPLETED BY OTHERS

Certain items are called out in the plans to be completed by others. The Contractor shall be responsible for coordinating all items to coincide with ongoing construction activities.

EXAMINATION OF EXISTING CONDITIONS AND EXISTING CONDITION DOCUMENTATION

It is the responsibility of each bidder to satisfy himself/herself as to conditions he/she will encounter in performing the work. Failure to do so will not be considered as grounds for additional compensation for unforeseen adverse conditions encountered during the progress of the work.

Prior to commencement of any construction activities, the Contractor shall document the existing condition of all sidewalks, driveways, buildings, infrastructure to remain, side streets, mailboxes, landscaping and other items within or adjacent to the limits of construction with color photographs and submit said pictures to the Engineer for review. Construction shall not commence until the content and clarity of said pictures is reviewed by the Engineer and found acceptable.

REMOVAL OF UNCLASSIFIED MATERIAL

Existing hazard markers, delineators, and other unclassified materials shall be removed at the locations shown on the plans or as designated by the Engineer. The material removed, as required in this Special Provision, shall be disposed of outside the right-of-way limits in accordance with these special provisions and Article 202.03 of the Standard Specifications. The Engineer shall be notified before any of these items are removed.

Where right-of-way, U.S.C. & G.S. markers, or section and sub-section monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all markers and monuments until the Engineer or authorized Land Surveyor has witnessed and referenced their location. The Contractor will be responsible for reimbursing the Engineer's Registered Land Surveyor for all costs associated with reestablishing any markers or monuments destroyed by his/her operations without proper notification.

CONSTRUCTION DEBRIS

In accordance with Public Act 90-761 the following shall be added to the third paragraph of Article 202.03 of the "Standard Specifications for Road and Bridge Construction:"

> The Contractor shall not conduct any generation, transportation, or recycling of construction or demolition debris, clean or general or uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads that is not commingled with any waste, without the maintenance of documentation identifying the hauler, generator, place of origin of the debris or soil, the weight or volume of the debris or soil, and the location, owner, and operator of the facility where the debris or soil was transferred, disposed, recycled or treated. This documentation must be maintained by the Contractor for 3 years.

A sample of a Construction Debris Manifest has been placed at the back of this contract book, for use in documenting any debris removed from the site. This documentation shall be included in applicable item of construction and shall not be paid for separately.

SALVAGING EXISTING MATERIALS

All existing municipally-owned street castings, storm sewer, manholes, inlets, culvert pipes, signs and posts in usable condition within the limits of the improvement shall, if not required for further use in the construction of the improvement, be carefully excavated and preserved by the Contractor. Said street castings, storm sewer, manholes, inlets, culvert pipes, signs, and posts if desired by the City, shall be picked up and hauled from the job site by the City.

The cost of salvaging existing municipally-owned street castings, storm sewer, manholes, inlets, culvert pipes, signs, and posts, as outlined herein, will not be paid for separately, but the cost shall be included in the contract unit price for the item of construction involved.

TREE REMOVAL

Tree Removal shall only occur between September 16 and April 14 and as stated in the Completion Date Special Provision.

Special attention should be paid to the additional requirements in Section 201 of the Standard Specifications for the removal of trees of Osage Orange. The Contractor should be aware that there are some Osage Orange trees to be removed within the construction limits.

This work is to be completed By Others separate from the Contract.

SAW JOINTS

This work shall include full-depth sawing of existing pavement or other existing items where the proposed project will match to existing. All work shall be performed in accordance with Section 440 of the Standard Specifications. Saw joints will not be paid for separately but shall be included in the respective removal items in the contract. For any item not paid for separately as a removal item, the saw joint cost shall be included in the contract unit price bid per cubic yard for EARTH EXCAVATION.

Saw joints for improvements including new pavement, curb and gutter, patching, driveway pavement or sidewalks shall be included in the unit cost of those pay items. No separate payments shall be made for saw joints on existing surfaces or new surfaces.

SIGNS AND MAILBOXES TO BE MOVED

All existing signs, including street, traffic, parking, advertising or other signs, and mailboxes that interfere with construction operations, shall be removed and temporarily reset by the Contractor after notifying the owner of the sign or mailbox conflict. Every sign or mailbox removed must be re-erected at a temporary location in a workmanlike manner and be visible to roadway traffic. Signs or mailboxes shall not be moved other than laterally without the permission of the Engineer. All such signs and

mailboxes must be maintained straight and neat for the duration of the temporary setting. Upon completion of the work, the signs and mailboxes shall be returned to the proper location and reinstalled in a workmanlike manner. Signs and mailboxes shall not be moved until the progress of work requires it. Signs, mailboxes or posts broken or damaged during moving shall be replaced or repaired to their original condition at the Contractor's expense. Any Contractor or Private Party removing any sign without notice will be billed for the replacement costs associated with reinstalling of the sign and may be charged with a violation of the Illinois Vehicle Code 11-311. The Contractor shall provide a temporary location for delivery of mail while the road is under construction if any existing mailbox is not accessible due to construction activities.

Street signs to be relocated because of radius changes or other improvements shall be relocated by the Contractor in locations as determined by the Engineer.

This work shall not be measured for payment separately, but shall be included in the contract unit price bid for EARTH EXCAVATION.

DAMAGE TO EXISTING TREES

All necessary precautions shall be taken to prevent damage to existing trees not indicated for removal. Roots of two inch (2") diameter or more shall not be severed. Precautions shall be taken to prevent damage to the bark of existing trees by machinery or other means. Any damage shall be corrected as indicated by the Engineer at the expense of the Contractor.

PAY QUANTITY FOR EARTHWORK PAY ITEMS

Should the Contractor have any disagreement in the plan quantity of the Earth Excavation, Topsoil, Embankment, or Furnished Excavation pay items, he/she shall submit earthwork calculations showing such disagreement at the pre-construction meeting. Otherwise, the plan quantities for the Earth Excavation, Embankment, Topsoil and Furnished Excavation pay items shall be used as the basis for payment on the project, as long as the project is constructed according to plan grades. Cross Sections after clearing and ground surface preparation will not be provided or allowed. Changes in the lines, grades, or length of the project may result in changes to the quantities.

EARTH EXCAVATION

This work shall be performed in accordance with the applicable articles of Section 202 of the Standard Specifications.

Add the following provision to Section 202: All topsoil material suitable for growing grass shall be excavated and stockpiled within the right-of-way, temporary construction easements, or other approved location on the construction site for Topsoil Placement. The Contractor shall stockpile the quantity of topsoil sufficient for the project, plus 10% contingency. Any excess topsoil beyond this quantity shall become the property of the Contractor and be removed from the site. The 10% contingency quantity of topsoil shall remain on site until all topsoil placement for the project has been completed, after which any remaining topsoil shall become the property of the Contractor and be removed from the site. This

excavation shall be included and is calculated as part of the Earth Excavation quantity and work. No additional compensation will be allowed for the stockpiling or removal from site work.

Any Earth Excavation that is suitable for fill embankment material shall be placed and compacted in fill areas as shown on the cross sections. All unsuitable material shall become the property of the Contractor and be removed from the site. Hot-mix asphalt and concrete shall not be allowed to be used as fill material. No payment for overhaul will be allowed for earth moved from any source.

FURNISHED EXCAVATION

This work shall be performed in accordance with the applicable articles of Section 204 of the Standard Specifications except as modified below.

Requirements related to providing topographic maps of the borrow area do not apply. Article 204.06 relating to Settlement Platforms shall be deleted. No credit for the placement of any additional embankment due to possible settlement during construction will be allowed.

Add the following to the requirements of Article 204:

"Soils which demonstrate the following properties shall be restricted to the interior of the embankment and shall be covered on both sides and top with a minimum of 3 feet (900mm) of non-restricted soil not considered detrimental in terms of erosion potential or excess volume change. A restricted soil is defined as having any one of the following properties:"

A grain size distribution with less than 35% passing the number 75um (#200) sieve.

A plasticity index of less than 12.

A liquid limit in excess of 50.

"All restricted and non-restricted embankment materials shall have the following minimum strengths for the indicated moistures:"

Immediate Bearing Value	Shear Strength At 95% Density *	Moisture
3.0	1,000 PSF (50 Kpa)	120%
4.0	1,300 PSF (62 Kpa)	110%

*Granular Soils φ=35°

Incorporation into the project of material obtained by the Contractor from outside of the project area shall be considered FURNISHED EXCAVATION to be measured and paid for according to Section 204 of the Standard Specifications.

EMBANKMENT

Embankment shall be placed in accordance with Section 205 of the Standard Specifications except as follows:

1) All embankment shall be constructed with not more than 110% of optimum moisture content, determined according to AASHTO T 99 (Method C). The 110% of optimum moisture limit may be waived in free draining granular material when authorized in writing by the Engineer.

   The Contractor may, at his option, add a drying agent to lower the moisture content as specified above. The drying agent must be authorized by the Engineer prior to use. Extra compensation will not be allowed for the use of a drying agent but will be considered included in the cost of the various items of excavation.

2) All existing earth surfaces to receive embankment placement shall be disked and compacted in accordance with Articles 205.01 through 205.09 of the Standard Specifications. These surfaces shall be reviewed by the Engineer prior to placement of any Embankment. Existing surfaces that have been compacted, but do not meet the satisfaction of the Engineer, shall be test rolled. If the existing surface does not pass the test roll, the material shall be removed and replaced with Embankment or Sub-base Granular Material as determined by the Engineer. Removal of unsuitable existing surface shall be measured for payment as Earth Excavation.

3) Embankment shall not be placed on slopes steeper than 1:4 (V:H) slope. Slopes steeper than 1:4 shall be stepped and compacted prior to placing embankment. No additional compensation shall be allowed for stepping.

4) If the Contractor fails to obtain the Engineer's satisfaction of the existing surface after disking and compacting, any Embankment placed on said surface shall be the sole responsibility of the Contractor. Should the Embankment so placed not pass the test roll prior to pavement placement, the Contractor shall repair or replace said Embankment at the Contractor's own expense.

5) Cross Sections after clearing and ground surface preparation will not be provided or allowed.

Add the following to the requirements of Article 205.04:

Gravel, crushed stone or soils having less than 35% passing the number 200 sieve and other materials as allowed by Article 202.03 of the standard specifications are further restricted. These further restricted materials are also limited to the interior of the embankment and shall have a minimum cover of 3' (1 m) of non-restricted soil (see "Furnished Excavation" Special Provision). Alternating layers of further restricted material and cohesive soil will not be permitted. The further restricted materials may only be incorporated into the embankment by using one of the following procedures:

a. The further restricted materials shall be placed in 4" lifts and disked with the underlying lift material until a uniform and homogenous material is formed having more than 35% passing the number 200 sieve.

b. Sand, gravel or crushed stone embankment when placed on the existing ground surface will be drained using a 10' (3 m) by 10' (3 m) french drain consisting of nonwoven geotechnical fabric with 12" (0.3 m) of B-3 riprap. This shall be constructed on both sides of the embankment at the toe of the foreslope spaced 150' (46 m) apart. At locations requiring a French drain the 3' (1 m) cohesive cap shall not be installed within the 10' by 10' riprap area. If the Engineer determines that the existing ground is a granular free draining soil, the french drain may be deleted.

c. Sand, gravel or crushed stone embankment when placed on top of a cohesive embankment will be drained with a permanent 4" (100 mm) underdrain system. The underdrain system shall consist of a longitudinal underdrain on both sides of the embankment and transverse underdrains spaced at 250' (75 m) centers. The underdrain shall consist of a 2' (0.6 m) deep by 1' (0.3 m) wide trench, backfilled with FA4 sand and a 4" (100 mm) diameter underdrain. In addition, both sides of the embankment will have a 6" (150 mm) diameter pipe drain which will drain the underdrain system and outletted into a permanent drainage structure or outletted by a headwall at the toe of the embankment.

The above work will not be paid for separately but shall be included in the contract unit price bid per cubic yard for EARTH EXCAVATION or FURNISHED EXCAVATION.

SUBGRADE PREPARATION

The Contractor shall be required to complete this work strictly in accordance with Section 301 of the Standard Specifications except as modified below and the special provision for Subgrade Treatment.

Subgrade Preparation shall not be measured and paid for separately, but shall be included in the unit cost for the applicable pay items including aggregate base course, concrete pavement, curb and gutter, and sidewalk.

TEST ROLLING OF SUBGRADE AND BASE COURSE

The test rolling of subgrade and base course shall follow the latest edition of the Subgrade Stability Manual except as modified by the following:

The Contractor will provide, at his/her own expense, a loaded truck and test roll the compacted subgrade (following lime modification and proper curing period) and base course in the presence of the Engineer before any sub-base, base course, curb and gutter, binder, or concrete surface material is placed. The Contractor shall notify the Engineer two (2) business days prior to the test roll. The tandem axle truck shall be loaded to a minimum gross weight of 40,000 pounds. The Contractor shall provide the Engineer a weight ticket verifying this amount prior to operations. The test roll will be in addition to the requirements of Section 301 of the Standard Specifications. The density requirements of Section 301 will still be required.

The truck shall make four to six passes over the entire subgrade, sub-base, or base course area to be tested. Any areas which, in the opinion of the Engineer, show rutting, cracking or rolling of the compacted subgrade, sub-base, or base course upon test rolling will not be accepted. The Contractor

will recompact and/or reconstruct the section that fails and test roll again prior to acceptance. Areas of subgrade repair will be paid for as specified in the Special Provision for Granular Subgrade Repair or Replacement. No additional compensation shall be allowed for any test rolling of repaired areas or the reconstruction or repair of the aggregate sub-base or base course.

Test rolling shall not be measured and paid for separately, but shall be included in the cost of EARTH EXCAVATION.

GRANULAR SUBGRADE REPAIR OR REPLACEMENT

This work shall be completed in accordance with Section 311 of the Standard Specifications except as modified by the following:

This work, as provided for herein, shall consist of providing all materials, equipment and labor for the removal of unsuitable material and the placement of Geotechnical Fabric and/or Granular Blanket in subgrades or embankment foundations. Following topsoil excavation and roadway excavation to the lines and grades shown on the plans and preparing the subgrade in accordance with the Special Provisions and Sections 301 and 302 of the Standard Specifications, the Resident Engineer shall determine the limits of the area requiring repair or replacement and so advise the Contractor of the approximate quantities. It is hereby understood that the Contractor shall notify the Engineer not less than forty-eight (48) hours (5:00 p.m. Friday to 8:00 a.m. Monday excluded) prior to any undercutting of the sub-base or subgrade.

Placement of Granular Blanket: Granular Material shall be according the BDE Special Provision for Aggregate Subgrade Improvement. The aggregate gradation to be used shall be indicated by the Engineer following the test roll. If CA 06 material is indicated to be used, Recycled Asphalt Millings will be allowed to be utilized as Aggregate Subgrade Improvement, provided the material meets the gradations indicated.

Method of Measurement and Payment: Any subgrade excavation of existing unstable or unsuitable material to complete this work will be measured in its original position and the volume in cubic yards computed by the method of average end areas. This work will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION and the paid plan quantity will be increased accordingly. The removal of material placed in fill sections as embankment will not be paid for separately.

The Granular Blanket will be measured for payment in tons and will be paid for at the contract unit price per ton for AGGREGATE SUBGRADE IMPROVEMENT. Geotechnical Fabric for Ground Stabilization shall be paid at the contract unit price bid per square yard for GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

All areas of repair shall be re-test rolled to confirm stability. All costs for re-test rolling shall be included in the contract unit price bid per ton for AGGREGATE SUBGRADE IMPROVEMENT.

ADJUSTMENT OF QUANTITIES FOR SUBGRADE TREATMENTS

The quantities for Aggregate Subgrade Improvement and Geotechnical Fabric for Ground Stabilization have been estimated in order to establish a unit bid price. No change in contract unit price will be allowed because of an adjustment of these quantities due to actual conditions encountered in the field.

TOPSOIL EXCAVATION AND PLACEMENT

Revise Article 211.07(b) to read: In cut and fill sections, all disturbed areas not improved with pavement, sidewalks or shoulders will require a minimum of 4 inches of topsoil. Areas located within the proposed center median shall receive 6 inches of topsoil. Topsoil material suitable for growing grass shall be excavated and stockpiled within the right-of-way or other approved location for Topsoil Placement. Excavating and stockpiling of suitable material will be considered as Earth Excavation and measured and paid for as EARTH EXCAVATION. Any holes or depressions made while excavating topsoil from within the project site shall be filled and graded by the Contractor. No additional compensation shall be allowed for filling holes due to topsoil excavation.

The Contractor shall stockpile the quantity of topsoil sufficient for the project plus 10% contingency. Any excess topsoil beyond this quantity shall become the property of the Contractor and be removed from the site. The 10% contingency quantity of topsoil shall remain on site until all topsoil placement for the project has been completed, after which any remaining topsoil shall become the property of the Contractor and be removed from the site.

Prior to placing the topsoil material, the top 2" of the surface receiving the topsoil shall be disked sufficiently to reduce the soil compaction to less than 85%. Surfaces that become hardened or crusted after the initial disking shall be re-disked, raked or otherwise broken up to provide a bond with the lift of topsoil to be applied as specified in the Standard Specifications.

All costs associated with placing Topsoil in the areas designated on the plans will be paid for at the contract unit price bid per cubic yard for TOPSOIL EXCAVATION AND PLACEMENT.

PROCESSING MODIFIED SOIL 12"

This work shall consist of the construction of a lime-modified soil layer as described in Section 302 of the Standard Specifications, except as modified herein.

The Contractor shall strictly abide by the third paragraph of Article 302.07 which states "Dry modifiers shall not be applied when wind conditions are such that blowing modifier becomes objectionable to adjacent property owners or creates a hazard to traffic on adjacent highways, as determined by the Engineer."

Dumping of lime from trucks will not be allowed. The lime shall be spread using a pneumatic spreader to restrict the possibility of blowing lime.

Revise Article 302.04 by adding:

The depth of treatment shall be based on proof rolling and soil strength (cone index). Proof rolling shall consist of running a loaded tandem truck over the subgrade.

Revise Article 302.08 by adding the following:

Mixing. The modifier, soil, and water (if necessary) shall be thoroughly blended by rotary speed mixers. The mixing shall continue until it has been determined by the Engineer that a homogeneous layer of the required thickness has been obtained. A disc harrow may be used to supplement the mixing by the rotary mixer.

Add to Article 302.10 Finishing:

After adequate compaction is obtained, no construction equipment will be permitted on the finished subgrade for a period of 3 days, after which only equipment used for grading prior to placement of paving materials will be permitted.

LIME MODIFIED SOILS OMISSIONS

Processing of the Lime Modified Soils shall terminate at the faces of storm sewer lateral trenches as shown in the plans. Four inches of Sub-Base Granular Material, Type B shall be placed over the trench backfill material as indicated on the typical sections and the detail in the plans.

The Sub-base Granular Material will be measured for payment in tons and will be paid for at the contract unit price per ton for SUB-BASE GRANULAR MATERIAL, TYPE B.

TEMPORARY EROSION CONTROL

Temporary erosion control systems and maintenance shall be the responsibility of the Contractor. The Contractor shall follow the Erosion Control Plan as shown in the plans and in these special provisions. Systems utilized for temporary erosion control shall be in accordance with Section 280 of the Standard Specifications and the latest revision of Standard 280001. Inlet and Pipe Protection shall be placed at all pipes and inlets, and Perimeter Erosion Barrier and Temporary Ditch Checks shall be placed to prevent silt from leaving the project limits. Inlet Filters shall be placed in all gutter inlets in accordance with the Special Provision for Inlet Filters. Stabilized Construction Entrances shall be constructed to limit or eliminate any tracking of soil onto existing pavement.

The erosion control devices shall be installed before commencing construction and shall be removed after complete grass cover is established. Upon completion of the project, temporary materials used for temporary erosion control shall be removed by the Contractor and become the property of the Contractor. The Contractor shall also be responsible for cleaning, maintaining and replacing the Temporary Erosion Control items during this project as needed or as requested by the Engineer and prior to acceptance of the project. Additional payment will not be made for maintenance or necessary replacement of Temporary Erosion Control items that may be required during this project.

The Contractor will be required to obtain an Erosion Control Permit from the City of Peoria before installing the erosion control devices. The City of Peoria will issue a "No Fee' City Erosion Control Permit to the Contractor for this project. This work falls under the City's NPDES "MS4" Permit #ILR400424 from the Illinois EPA.

The Contractor shall certify and follow the Storm Water Pollution Prevention Plan (SWPPP) included with these Special Provisions. Signed copies of the Contactor Certification Statement included with the SWPPP for the Prime Contractor and all Sub-contractors along with other documentation as required in the SWPPP shall be provided to the City and the Engineer at the Preconstruction Meeting.

INLET FILTERS

This work consists of furnishing, installing, maintaining and removing inlet filters at gutter inlet and gutter inlet/manhole locations as shown in the plans or as determined by the Engineer. The inlet protection shall be of a non-woven geotextile catch bag type that fits inside the casting, held in place by the casting grate and be of high permeability, ≥ 100 gal/min/ft^2.

Inlet Filters will be checked by the Resident Engineer weekly and after every rain of ≥ ½". If requested by the Engineer, inlet filters shall be cleaned of debris by the Contractor at no additional cost within 24 hours of notification by the Engineer.

The Inlet Filters shall be installed in the existing inlets before construction is allowed on this project and remain until complete ground cover is established. When existing inlets are to be removed and replaced with proposed inlets, the Inlet Filters shall be transferred to the new inlets at no additional cost.

This item shall be measured and paid for at the contract unit price per each, for INLET FILTERS, and shall be payment in full for all material, labor, tools and equipment required to furnish, install, maintain and remove this item.

STABILIZED CONSTRUCTION ENTRANCE

This work consists of furnishing, installing, maintaining and removing Stabilized Construction Entrances at the entrance or exit of construction traffic from areas of construction activity onto paved surfaces at locations indicated by the Engineer.

All work shall be performed in accordance with Section 280 of the Standard Specifications, the Natural Resources Conservation Service's Illinois Urban Manual (Practice Standard - Code 930), the details on the plans and these Special Provisions. Any excavation necessary to install the aggregate for the stabilized construction entrance shall be included in the unit price bid for the entrance. The Stabilized entrance shall be a minimum of seventy (70) feet long, fifteen (15) feet wide and eight (8) inches thick of aggregate. The aggregate shall be either CA-1, CA-2, CA-3, or CA-4 and shall be placed on Geotechnical Fabric for Ground Stabilization. All materials, labor, and equipment necessary to excavate as required and furnish and place the fabric and aggregate shall be included in the unit price bid per square yard. The Contractor shall sweep all construction debris and dirt off the existing pavement leading from the construction site on a daily basis after construction activities are completed

for the day. Sweeping the pavement shall be included in the unit price bid for stabilized Construction Entrance. Washing or hosing the debris to an adjacent inlet will not be allowed.

This work shall be measured in feet of length and width and the area computed in square yards. This work shall be paid at the contract unit price bid per square yard for STABILIZED CONSTRUCTION ENTRANCE.

TEMPORARY DITCH CHECKS

This work consists of furnishing, installing, and maintaining Temporary Ditch Checks at locations shown in the plans or as determined by the Engineer.

All work shall be performed in accordance with Section 280 of the Standard Specifications, the details on the plans and these Special Provisions. All materials, labor, and equipment necessary to excavate as required and furnish and install the temporary ditch check, maintain the temporary ditch check, and remove the temporary ditch check following satisfactory establishment of the permanent seeding shall be included in the unit price bid per foot. All locations shall be properly maintained as indicated by the Engineer. Maintenance shall include any repair, cleaning, and removal of trapped sediment.

This work will be measured for payment in feet and will be paid for at the contract unit price per foot for TEMPORARY DITCH CHECKS.

SEEDING, MULCH & EROSION CONTROL BLANKET

All areas disturbed by the Contractor shall be seeded in accordance with Section 250 of the Standard Specifications for Road and Bridge Construction and as detailed on the typical sections and herein.

Unless otherwise noted, all areas in an urban (curbed) section between the curb and sidewalk or multi-use path, shall receive Seeding, Class 1B (Low Maintenance Lawn Mixture). Fertilizer nutrients shall be applied in accordance with Section 250 of the Standard Specifications. Erosion Control Blanket shall be applied in accordance with Section 251 of the Standard Specifications.

Unless otherwise noted, all areas within the medians shall receive Seeding, Class 1B (Low Maintenance Lawn Mixture). Fertilizer nutrients shall be applied in accordance with Section 250 of the Standard Specifications. Erosion Control Blanket shall be applied in accordance with Section 251 of the Standard Specifications.

Unless otherwise noted, all areas in an urban (curbed) section outside of the sidewalk or multi-use path and all areas indicated on the plans to be constructed as detention basins shall receive Seeding, Class 4A (Low Profile Native Grass Mixture) and Seeding, Class 5A (Large Flower Native Forb Mixture). As indicated in Sections 250 of the Standard Specifications, fertilizer nutrients are not required in these areas. Mulch, Method 2, shall be applied in this area by Procedure 1 (anchored via mechanical stabilizer) in accordance with Section 251.

Unless otherwise noted, all areas in a rural (shoulder and ditch) section located outside of the shoulders shall receive Seeding, Class 2A (Salt Tolerant Roadside Mixture). Fertilizer nutrients shall be

applied in accordance with Sections 250. Mulch, Method 2, shall be applied in this area by Procedure 1 (anchored via mechanical stabilizer) in accordance with Section 251.

A two (2) inch stand of grass over a minimum of 90% of all disturbed areas will be required on all disturbed areas to be seeded prior to final acceptance, including ditch flow lines. The Contractor shall be paid only one time for seeding, fertilizer and mulch. The Contractor shall provide additional re-seeding, fertilizer, mulch and/or erosion control blanket as necessary if the initial seeding does not provide adequate results. This work shall not be paid for separately but shall be included in the cost of the respective seeding, fertilizer, mulch and/or erosion control blanket pay items.

In addition, areas to be seeded with Seeding, Class 4A must have adequate establishment of the Grasses specified for Class 4A Seeding in the Seeding Mixtures Table in Article 250.07 of the Standard Specifications. At the end of the third growing season, the Engineer will review the seeded areas. Any areas that do not have 50% coverage of the Native Grass species listed in the Seeding Mixtures Table in Article 250.07 of the Standard Specifications shall be reseeded at no additional cost by the Contractor. This establishment review shall not delay acceptance of the entire project and final payment due if the Contractor requires and receives from the Subcontractor a third party "performance" bond naming the City as oblige in the full amount of the Class 4A Seeding and Fertilizer and Mulch quantities listed in the Contract multiplied by the contract unit prices. The bond shall be executed and provided to the City of Peoria and Resident Engineer prior to acceptance and final payment of the non-seeding pay items and shall be in full force and effect until final establishment review and acceptance of the Class 4A Seeding.

Section 250 of the Standard Specifications shall govern measurement and payment for SEEDING, of the Class specified, and the various fertilizer nutrients. Section 251 of the Standard Specifications shall govern measurement and payment for MULCH, METHOD 2 and EROSION CONTROL BLANKET.

SODDING

The location indicated on the Landscape Plans of the area in the northeast quadrant of the Orange Prairie Road/IL 91/Alta Lane intersection shall be sodded in accordance with Section 252 of the Standard Specifications for Road and Bridge Construction and as detailed herein. Fertilizer nutrients shall be applied in accordance with Section 252 of the Standard Specifications.

Supplemental watering shall be provided as indicated by the Engineer.

Where the proposed sod matches to the existing turf, a sod cutting machine shall be used to provide a vertical edge for the placement of the new sod. Cutting with shovels will not be allowed.

The Contractor shall be paid only one time for sodding and fertilizer nutrients. The Contractor shall provide additional re-sodding and fertilizer nutrients as necessary if the initial sodding does not provide a full, healthy 2-inch stand of grass. This work shall not be paid for separately but shall be included in the cost of the respective sodding and fertilizer pay items.

Section 252 of the Standard Specifications shall govern measurement and payment for SODDING, SUPPLEMENTAL WATERING, and the various fertilizer nutrients.

OVERFLOW WEIR

This work shall consist of furnishing and installing the detention basin Overflow Weir at locations shown on the plans in accordance with the Standard Specifications, plan details, and as noted herein. Concrete shall be Class SI. All materials, concrete, reinforcement, placement and curing shall in accordance with Sections 508 and 1020 of the Standard Specifications. All reinforcing shall be epoxy coated.

All costs shall be included in the contract unit price bid per cubic yard for OVERFLOW WEIR.

SEEPAGE COLLAR

This work shall consist of furnishing and installing the detention basin Seepage Collar at locations shown on the plans in accordance with the Section 542 of the Standard Specifications, plan details, and as noted herein. Concrete shall be Class SI. All materials, concrete, reinforcement, placement and curing shall in accordance with Sections 508 and 1020 of the Standard Specifications. All reinforcing shall be epoxy coated.

All costs shall be included in the contract unit price bid per each for SEEPAGE COLLAR.

EXPLORATION TRENCH 52" DEPTH

The Contractor shall use Exploration Trench, 52" Depth as indicated by the Engineer in the field to locate existing field tiles that cross the Orange Prairie Road, Grange Hall Road (CH D32), IL 91 and Alta Lane Right-of-Way. At a minimum, the Contractor shall provide Exploration Trench, 52" Depth at the Right-of-Way limits extending 200' in each direction from existing cross road culverts and sag locations in the vertical profile. Field Tile so located shall be replaced within the Right-of-Way as detailed in the Special Provision for Treatment of Existing Tile Systems. This work shall be measured and paid for at the contract unit price bid per foot for EXPLORATION TRENCH 52" DEPTH.

TREATMENT OF EXISTING TILE SYSTEMS

This work shall be performed in accordance with Section 611 of the Standard Specifications. All field tile repairs shall be made with Storm Sewers, Special as noted in Section 611 and in accordance with the Special Provision for Storm Sewers, Special and concrete collars as detailed in the plans or other approved connections and fittings.

Field Tile Junction Vaults as shown in the plan details shall be provided at all locations where an existing field tile enters or exits the Right-of-Way and where the Storm Sewers, Special change direction. This work shall be measured and paid for at the contract unit bid price per each for FIELD TILE JUNCTION VAULTS of the size specified.

Quantities for Storm Sewers, Special and Field Tile Junction Vaults have been estimated. No change in unit price will be allowed for additions or deletions of the quantity listed.

STORM SEWERS, SPECIAL

This work shall be performed in accordance with Section 611 of the Standard Specifications. All field tile repairs shall be made with Storm Sewers, Special as noted in Section 611 and concrete collars as detailed in the plans or other approved connections and fittings. Additionally, Storm Sewer, Specials shall be PVC Pipe SDR 26 a minimum of two inches (2-in.) diameter larger than the existing tile line.

This work shall include all Storm Sewers, Special fittings, connections to existing or proposed storm sewer system, collars, Miscellaneous Concrete and other material, labor and equipment necessary to reconnect the existing tile or sump drain line system. This work shall be measured and paid for at the contract unit bid price per foot for STORM SEWERS, SPECIAL of the size specified.

Quantities for Storm Sewers, Special have been estimated. No change in unit price will be allowed for additions or deletions of the quantity listed.

CONNECTION INTO EXISTING OR PROPOSED DRAINAGE STRUCTURES

This work shall include all labor, material and equipment necessary to satisfactorily complete the connection as shown in the plans and as determined by the Engineer. A Concrete Collar shall be constructed in accordance with the detail as shown on the plans where storm sewer, or pipe culverts of differing pipe types connect or where new storm sewer, or pipe culverts connects to existing storm sewer or pipe culverts. The price for connecting the existing or proposed drain tile or sewer into the existing or proposed sewer structures, sewers or field tile shall not be paid for separately, but shall be included in the work for the respective sewer or drainage structure.

PIPE UNDERDRAINS 4"

This work shall be according to Section 601 of the Standard Specifications except that FA 4 or FM 4 meeting the following gradations shall be used for backfilling the underdrain trench:

	Percent Passing	
Sieve Size	**FA 4**	**FM 4**
3/8" (9.5 mm)	100	100
No. 4 (4.75 mm)		97 ± 3
No. 8 (2.36 mm)		5 ± 5
No. 10 (2 mm)	21% max	
No. 16 (1.18 mm)	5 ± 5	2 ± 2
No. 200 (75)	2% max	2% max

Only natural sands and gravel shall be used. A pipe slot of 1.75mm± 0.25mm shall be used. The number of slots and the slot length may be manipulated to maintain the inlet flow specified in AASHTO M 252-96 as long as it does not compromise any other requirements specified in AASHTO M 252-96. No fabric envelope for the pipe underdrain or the trench shall be used. The District may conduct a number of Ploog Washer tests, using this pipe with random samples of the backfill material. The loss of fines through the pipe slot in the Ploog Washer tests shall not exceed 4%.

Wherever, in the opinion of the Engineer, it is necessary during the construction of the storm sewer system or pipe underdrains to explore and excavate to determine the location and elevation of existing utilities, culverts, storm sewer, or other underground items, the Contractor shall make exploration and excavation for such purposes. This cost of exploratory excavation will not be paid for separately, but shall be included in the associated storm sewer, inlet, manhole, end section, or underdrain pay item requiring the excavation.

This work shall be measured and paid for at the contract unit price bid per foot for PIPE UNDERDRAINS 4".

REMOVE EXISTING FLARED END SECTION

This work shall consist of the complete removal and disposal, to the satisfaction of the Engineer, of existing precast reinforced concrete flared end sections attached to the existing box culvert at approximately Station 309+68 Left and Right. Any holes or depressions left after removing the flared end section that will be under or within two feet of proposed improvements, shall be filled with trench backfill, not to be paid for separately. The remaining ground surface shall be graded, compacted, and leveled to the satisfaction of the Engineer.

The Contractor shall take care not to damage the existing box culvert to be extended. Should any damage to the existing box culvert occur, the Contractor shall remove the damaged portion using a full depth saw cut and replace the box culvert with additional Precast Concrete Box Culvert (Special) as required at no additional cost.

All labor, equipment and materials necessary to Remove Existing Flared End Sections in the locations indicated above shall be included in the contract unit price bid per each for REMOVE EXISTING FLARED END SECTION and no additional compensation will be allowed.

STORM SEWER OR PIPE CULVERT REMOVAL

This work shall consist of removing and disposing of Storm Sewers or Pipe Culverts in accordance with Section 551 of the Standard Specifications, except as modified herein. Storm Sewer Removal shall consist of the complete removal and disposal, to the satisfaction of the Engineer, of all storm sewers or pipe culverts including headwalls, wing walls or other end treatments, regardless of size or material, conflicting with the construction or otherwise indicated on the plans for removal. Any holes or depressions left after removing a sewer or culvert pipe that will be under or within two feet of proposed improvements as defined in Article 208.01 of the Standard Specifications, shall be filled with trench backfill or controlled low-strength material as shown on the plans, paid for separately. The remaining ground surface shall be graded, compacted, and leveled to the satisfaction of the Engineer.

All labor, equipment and materials necessary for Storm Sewer or Pipe Culvert Removal shall be included in the contract unit price bid per foot for STORM SEWER REMOVAL or PIPE CULVERT REMOVAL and no additional compensation will be allowed.

STORM SEWER OR PIPE CULVERT GRADE CHANGE

The Contractor shall be aware that at times the Engineer may require a change in storm sewer or pipe culvert elevation due to a utility or other obstruction. If such a grade change does not alter the pipe type, any additional excavation, sheeting, or shoring required shall be considered included in the cost of the storm sewer or pipe culvert. However, if the revised grade results in a change in pipe type, as set forth in Article 550.03 of the Standard Specifications, payment will be for the revised type of pipe culvert or storm sewer.

STORM SEWERS, RUBBER GASKET, CLASS A

This work shall consist of providing Storm Sewers of the type and size designated in accordance with Section 550 of the Standard Specifications as indicated in the plans. Pipe materials supplied for Storm Sewers, Class A shall be Reinforced Concrete Sewer Pipe with rubber gasket joints as specified under Articles 550.03 and 1042.06. Class IV pipe shall be used for all storm sewer regardless of Type or depth of pipe. The concrete pipe joint shall be sealed with rubber gaskets as specified under Articles 550.06 and 1056 and the bedding shall be as shown in the plans. Other types of material for Storm Sewers, Class A will not be allowed. Storm Sewers as indicated herein shall be measured and paid for in accordance with Section 550 of the Standard Specifications.

Wherever, in the opinion of the Engineer, it is necessary during the construction of the storm sewer system or pipe underdrains to explore and excavate to determine the location and elevation of existing utilities, culverts, storm sewer, or other underground items, the Contractor shall make exploration and excavation for such purposes. The cost of exploratory excavation will not be paid for separately, but shall be included in the associated storm sewer, inlet, manhole, end section, or underdrain pay item requiring the excavation.

PIPE CULVERTS, CLASS A

This work shall consist of providing Pipe Culverts of the type and size designated in accordance with Section 542 of the Standard Specifications as indicated in the plans. Pipe materials supplied for Pipe Culverts, Class A shall be Reinforced Concrete Sewer Pipe with rubber gasket joints as specified under Articles 542.03 and 1042.06. Class IV pipe shall be used for all pipe culverts regardless of Type or depth of pipe. The concrete pipe joint shall be sealed with rubber gaskets as specified under Articles 542.04 and 1056 and the bedding shall be as shown in the plans. Other types of material for Pipe Culverts, Class A will not be allowed. Bedding as shown in the plans will be required for Entrance Culverts constructed using Method III Construction as specified in Articles 542.03 of the Standard Specifications. Pipe Culverts as indicated herein shall be measured and paid for in accordance with Section 542 of the Standard Specifications.

Wherever, in the opinion of the Engineer, it is necessary during the construction of the pipe culverts, storm sewer system or pipe underdrains to explore and excavate to determine the location and elevation of existing utilities, culverts, storm sewer, or other underground items, the Contractor shall make exploration and excavation for such purposes. The cost of exploratory excavation will not be paid

for separately, but shall be included in the associated pipe culvert, storm sewer, inlet, manhole, end section, or underdrain pay item requiring the excavation.

PIPE CULVERTS, CLASS C

This work shall consist of providing Pipe Culverts of the type and size designated in accordance with Section 542 of the Standard Specifications as indicated in the plans. Pipe materials supplied for Pipe Culverts, Class C shall be Precoated Galvanized Corrugated Steel Pipe as specified under Articles 550.03 and 1006.01 with Precoated connecting bands. All connecting bands shall be two-foot wide. Bedding shall be as shown in the plans. Other types of material for Pipe Culverts, Class C will not be allowed. Pipe Culverts as indicated herein shall be measured and paid for in accordance with Section 542 of the Standard Specifications.

Wherever, in the opinion of the Engineer, it is necessary during the construction of the pipe culverts, storm sewer system or pipe underdrains to explore and excavate to determine the location and elevation of existing utilities, culverts, storm sewer, or other underground items, the Contractor shall make exploration and excavation for such purposes. The cost of exploratory excavation will not be paid for separately, but shall be included in the associated pipe culvert, storm sewer, inlet, manhole, end section, or underdrain pay item requiring the excavation.

TRENCH BACKFILL

Proposed storm sewer and culverts shall be backfilled with select material in certain locations as indicated in the plans and according to Article 208.01 of the Standard Specifications. Material for Trench Backfill shall comply with Article 1003.04 of the Standard Specifications. When Trench Backfill material is indicated, no additional compensation will be given should the Contractor elect to use Controlled Low-strength Material as trench backfill. Payment for all labor, equipment and materials required to complete this work will be made at the contract unit price bid per cubic yard for TRENCH BACKFILL.

FRAMES AND GRATES FOR TYPE G-1 STRUCTURES

Frames and Grates shall be Neenah R-3246-A with Type R Diagonal Reversible grate, or approved equal.

TYPE 1 FRAME AND CLOSED LID

For all 6' and 8' diameter manholes, Type 1 Frames and Closed Lids shall be Neenah R-1916-C2 (Water-resistant Manhole Frame with Bolted Lid) or approved equal. This applies to the manholes in the following locations:

Station 101+81.00	0.00' RT
Station 102+56.38	43.5' LT
Station 137+10.00	70.0' RT

For all other drainage structures, Type 1 Frames and Closed Lids shall be in accordance with State Standard 604001-03.

INLETS, TYPE G-1, SPECIAL

This work shall consist of furnishing all labor, equipment, and material for the construction of Type G-1, Special inlets and Combination Concrete Curb and Gutter in accordance with Sections 602 and 606 of the Standard Specifications and the details in the plans.

Inlets in locations indicated on the drainage structure schedules shall be "sumped" as shown on the Inlets, Type G-1, Special detail by lowering the bottom of the precast structure below the outlet pipe flowline. For these inlets indicated to be "sumped", a cast-in-place fillet bottom will not be required.

Add "INLETS, G-1, SPECIAL" to Article 602.16 of the Standard Specifications. Delete the first paragraph in Articles 606.14 and 606.15.

Payment for transitional Combination Concrete Curb and Gutter and sumps at locations shown on the plans shall be included in "INLETS, TYPE G-1, SPECIAL" in accordance with details shown in the plans.

This work will be paid for at the contract unit price each for INLETS, TYPE G-1, SPECIAL.

INLETS, TYPE A, TYPE 60 GRATE & INLETS, TYPE B, TYPE 60 GRATE

Section 602 of the Standard Specifications shall govern all aspects of this work. The grate shall be a Neenah ditch grate, stool type R-4341-A or approved equal as shown in the plans.

ITEMS TO BE ADJUSTED

The Contractor shall adjust all existing manholes, handholes, and valve boxes to the finish grade of the project improvements. This work shall be measured and paid for at the contract unit price bid per each item to be adjusted in accordance with Sections 602 and 603 of the Standard Specifications except as modified herein.

HDPE and Recycled Rubber riser and adjusting rings shall not be allowed on this contract. In addition, only solid and rigid, one-piece assembly adjusting rings fabricated entirely from gray or ductile iron will be allowed. Adjustable band adjusting rings will not be allowed on this contract. Any adjusting ring to be utilized on this project shall be reviewed and approved by the Engineer and City at the Pre-Construction Meeting. The contract unit price bid per each for the respective adjustment items shall be compensation in full for all work required to complete the adjustment in place and no additional compensation shall be allowed.

PORTLAND CEMENT CONCRETE PAVEMENT 10"

This work shall be performed in accordance with Section 420 of the Standard Specifications and as noted herein. Sawed transverse joints shall not be greater than 15 feet apart. Transverse saw joints

and expansion joints with dowel bars at other locations shall conform to the details shown on the saw joint and elevation detail sheet and typical section sheets.

All equipment and labor required to perform the necessary jointing operation shall be available to begin sawing no later than 4 hours after the paving operation begins. Said operation shall start 4 hours after paving begins unless raveling occurs. The Contractor shall replace sawing blades as needed and coordinate timing of sawing so raveling does not occur. The Contractor shall provide the necessary equipment and labor needed to carry on the sawing at the same rate per longitudinal foot as the paving operation.

Any cracked pavement panels shall be replaced by the Contractor and no additional compensation shall be allowed.

Sawing shall continue at the same rate as stated above until finished. Joints shall be sealed with hot applied material meeting the requirements of specifications for Concrete Joint Sealer Hot Poured Elastic Type D3405 in Section 452.

Trucks and mixer trucks will be allowed to operate on the sub-base if site conditions and pavement tie bars and dowel bar design and layout allow. However, should the subgrade or sub-base show any sign of distress, all operations will cease until these items are corrected to the satisfaction of the Engineer. Any subgrade or sub-base distressed by trucks and mixer trucks shall be repaired at the Contractor's expense. If the distress is excessive in the opinion of the Engineer, then the Contractor shall provide alternative means for delivering concrete at his/her own expense. No addition compensation shall be allowed.

Curb and Gutter shall be formed in a separate operation from the pavement. Monolithic curb will not be permitted.

All epoxy coated tie bars and dowel bars shall be installed according to the typical sections and standards shown on the saw joint and elevation detail sheet and shall be included in the cost of Portland Cement Concrete Pavement of the thickness specified.

Final finish shall be Type B, except a heavy broom may be substituted for the artificial turf drag. A mechanical spreader shall not be required. Longitudinal floating shall be hand method.

Pay adjustments for pavement thickness shall be made in accordance with Articles 407.10 and 420.15 except that no increase in the Total Pay Factor shall be made for additional pavement thickness. The Contractor is responsible to build the project to the lines and grades indicated on the typical sections and plans. When the average pavement thickness is greater than or equal to the thickness specified in the plans, payment shall be made at the contract unit price per square yard without any adjustment or increase.

This work shall be measured and paid at the contract unit price bid per square yard for PORTLAND CEMENT CONCRETE PAVEMENT 10".

COMBINATION CONCRETE CURB AND GUTTER

This work shall be performed in accordance with Section 606 of the Standard Specifications, the plan details, and as noted herein. Proposed curb and gutter work shall be in accordance with the latest version of Standard 606001 including dowel bar placement. The existing subgrade and base course shall be graded, leveled, and thoroughly compacted. The subgrade and proposed aggregate base course where shown on the plans under and behind the proposed curb shall be required to pass a test roll prior to new curb being placed. The Combination Concrete Curb and Gutter shall be sawed or scored at intervals coinciding with the joint intervals of the adjoining concrete pavement. Expansion joints in curb and gutter shall correspond to the location of expansion joints in adjoining concrete pavement. If adjacent pavement is not concrete pavement, maximum spacing of saw joints shall be 15 feet. Expansion joints with dowel bars in curb and gutter shall be placed at all RPC's and all construction joints as shown on plan details. The minimum joint depth of the gutter shall be 2 inches and on the curb shall be 1 inch. Two No. 4 reinforcing bars shall be placed across all water, sewer, or other utility service trench crossings. These bars shall be a minimum of 10 feet long and shall be long enough to obtain at least 2 feet of embedment on either side of the trench.

Curb and gutter constructed at median noses shall be ramped in accordance with Standard 606301 (PC Concrete Islands and Medians) except that the length of the nose shall extend to the RPC of the median radius. The ramped portion of the nose shall be constructed separate from the curb and gutter and tied to the curb and gutter with No. 6 epoxy coated tie bars, 24" long at 24" centers. This work will not be paid for separately, but shall be included in the contract unit price for Combination Concrete Curb and Gutter.

The sawing of the curb and gutter shall commence within four hours of the start of placing concrete unless otherwise approved by the Engineer. Sawing shall continue until all the joints are completed or until sunset, whichever comes first. If all joints are not completed by sunset, sawing shall commence at sunrise and continue to completion. The Contractor shall replace sawing blades as needed and coordinate timing of sawing so raveling does not occur.

All costs shall be included in the contract unit price bid per foot for COMBINATION CONCRETE CURB AND GUTTER, of the type specified.

COMBINATION CONCRETE CURB AND GUTTER OUTLET, (SPECIAL)

This work shall consist of furnishing, installing and constructing Combination Concrete Curb and Gutter Outlets, (Special) in accordance with the details on the plans. Class SI concrete shall be used and all work shall be completed in accordance with Section 606 of the Standard Specifications.

All labor, excavation, materials, reinforcing and equipment required to complete this work will be measured and paid for at the contract unit price bid per each for COMBINATION CONCRETE CURB AND GUTTER OUTLET, (SPECIAL).

CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)

This work shall be performed in accordance with Section 606 of the Standard Specifications, the plan details, and as noted herein. The concrete median shall be sawed or scored at intervals coinciding with the joint intervals of the adjoining concrete pavement. Expansion joints in the concrete median shall correspond to the location of expansion joints in adjoining concrete pavement and at ramped noses as shown on the plan details. If adjacent pavement is not concrete pavement, maximum spacing of saw joints shall be 15 feet. The minimum joint depth of the gutter shall be 2 inches and on the curb shall be 1 inch.

Median noses shall be ramped in accordance with Standard 606301 (PC Concrete Islands and Medians).

The median shall be constructed so that the top surface of the median has a continuous straight surface from the face of the median on one side to the face of the median on the other side as shown on the plan detail.

The sawing of the median shall commence within four hours of the start of placing concrete unless otherwise approved by the Engineer. Sawing shall continue until all the joints are completed or until sunset, whichever comes first. If all joints are not completed by sunset, sawing shall commence at sunrise and continue to completion. The Contractor shall replace sawing blades as needed and coordinate timing of sawing so raveling does not occur.

All costs shall be included in the contract unit price bid per square foot for CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED).

EXPANSION JOINTS

Expansion Joints shall be placed at RPC's in curb and gutter and mainline pavement and at maximum 1,000-foot intervals. In addition, an expansion joint shall be constructed at the south project limits (Station 90+50) where the proposed pavement abuts the existing pavement constructed to the south unless otherwise approved by the design Engineer.

Joints in pavement shall be made with 2-inch thick bituminous pre-molded joint filler and 1.5" diameter epoxy-coated dowel bars with caps in accordance with the IDOT Standard Detail. Joints in curb and gutter shall be made with 1-inch thick bituminous pre-molded joint filler and 1-inch diameter epoxy-coated dowel bars with caps. The cost of the expansion joints shall be included in the contract unit price bid per unit of the respective concrete pay item.

P.C.C. SIDEWALK 4 INCH

Section 424 of the Standard Specifications shall govern all construction and payment of P.C.C. Sidewalk except as modified herein. All sidewalks shall be 4 inches thick. Expansion Joints shall be placed at maximum 50-foot intervals and where proposed sidewalk abuts existing or proposed curb, sidewalk, or driveway pavement. Expansion joints shall be made with three-quarter-inch thick bituminous pre-molded joint filler and other material will not be allowed. All joints shall be hand-tooled.

APPLICATION OF PRIME COAT

Prime coat on aggregate surfaces shall be MC-30 and shall be applied at the rate of 0.40 gallons per square yard or as determined by the Engineer.

The proposed HMA Binder Course shall receive an application of Prime Coat of the type shown on the plans prior to the placement of the proposed HMA Surface Course unless paved on the same day. Existing HMA surface shall also receive an application of Prime Coat of the type shown in the plans prior to paving over it.

TEMPORARY RAMPS

This work shall consist of constructing Temporary Ramps at the locations indicated on the plans in accordance with the applicable portions of Section 406 of the Standard Specifications and the plan details. Temporary Ramps shall not be considered incidental to Butt Joints and will be measured and paid for according to Articles 406.14 and 406.15.

HOT MIX ASPHALT SURFACE COURSE GENERAL CONDITIONS

In addition to the weather and temperature limitations specified in Article 406.06 of the Standard Specifications that will be enforced, in the event of sudden rain, loading additional trucks shall immediately stop whether it is from the plant or storage bins.

Material in transit will be permitted to be laid at the Contractor's risk providing the pavement is free of standing water and the proper temperature of the asphalt mix is maintained. Approval to unload the trucks in transit shall in no way relax the requirements for quality, density or smoothness of the hot-mix asphalt mixture being placed.

The Contractor shall be responsible to repair, re-shape, and re-compact the aggregate base course and subgrade if necessary prior to or during operations if the base course or subgrade is shoved and disturbed due to trucking and paving operations. If the base course or subgrade continues to show effects from shoving or rutting, the Contractor shall discontinue paving operations and propose an alternate plan that may include lighter delivery loads, slower turns, material transfer devices, or alternate delivery routes. This work shall not be paid for separately but shall be included in the cost of the Hot-Mix Asphalt pay items.

Width extensions on the hot mix asphalt paver shall be equipped with a heated, activated screed or strike-off assembly. Width extensions without a screed or strike-off assembly will not be permitted.

PERMANENT SURVEY MARKERS, TYPE II

This work shall be in accordance with the latest revision of State Standard 667101 - DETAILS OF PERMANENT SURVEY MARKERS, revised as shown on the details in the plans.

The removal of the existing monument and resetting shall be according to Section 668 of the "Standard Specifications for Road and Bridge Construction."

Permanent survey markers, type II shall be placed at the Quarter Section corner(s) as located by a Registered Land Surveyor. The marker shall be set in Class SI concrete which has been placed in an augured hole in compacted earth. The hole will be centered in an 8" thick precast concrete manhole adjusting ring with a 24" inside diameter, as shown in the detail. The top of the concrete marker shall be 4" above the compacted earth and the area inside the 8" precast concrete manhole adjusting ring and below the top of the concrete marker shall be filled with 1" to 2" washed gravel. A Type 1 Frame and Closed Lid shall be set to the proper grade on the adjusting ring.

When the survey marker is located in existing pavement, the pavement patch shall be replaced according to the applicable portions of Section 442 of the "Standard Specifications for Road and Bridge Construction." The patch shall be tied into the existing pavement in accordance with the plan detail, the Standard Specifications, and as indicated by the Engineer.

The City will provide the bronze tablet to be set in the marker, but the location of the tablet shall be established, and the tablet will be stamped with the required information, received from an Illinois Professional Land Surveyor, who has been hired and paid by the Contractor as shown on the plans. The Engineer will specify the data to be located and stamped on the markers.

This item will be paid for at the contract unit price per each for PERMANENT SURVEY MARKERS, TYPE II, which shall include all labor, tools, equipment, materials, and the Land Surveyor's fee required to complete this work as specified.

TRAFFIC CONTROL PLAN

Traffic control shall be in accordance with the applicable sections of the "Standard Specifications for Road and Bridge Construction," the applicable guidelines contained in the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways," these Special Provisions, and any special details and Highway Standards contained herein and in the plans.

At road closure locations where Type III barricades are installed in a manner that will not allow Contractor access to the project without relocation of one or more of the barricades, the arrangement of the barricades at the beginning of each work day may be relocated, when approved by the Engineer, in the manner shown on Highway Standard 701901 for Road Closed to Through Traffic. "Road Closed" signs (R11-2), supplemented by "Except Authorized Vehicles" signs (R3-I101), shall be mounted on both the near-right and far-left barricade(s). At the end of each work day the barricades shall be returned to their in-line positions.

The Contractor shall provide traffic control for construction closures and staging in accordance with the Sequence of Construction Special Provision utilizing signage and barricades according to the applicable State Standard. This requirement shall pertain to both the road under construction and to all side roads intersecting with the roadway under construction.

The Contractor should be aware of residents within the project limits and avoid negative impacts on the residents whenever possible. In the event that a temporary driveway or sidewalk must be constructed and maintained to a residence with a physically handicapped occupant, temporary sidewalks shall be constructed utilizing Aggregate for Temporary Access. The determination for the necessity of any

Aggregate for Temporary Access placement shall be made by the Engineer prior to placement. Aggregate for Temporary Access as indicated by the Engineer shall be placed and paid for according to the Special Provision for Aggregate for Temporary Access.

All open excavations left overnight throughout this project shall be completely protected and surrounded by fences and barricades.

All warning signs shall be new or in like new condition at the start of the project. Unless otherwise specified, they shall be 48" x 48", with a black legend on a fluorescent orange reflectorized background meeting a minimum of Type AP reflectivity requirements as shown in Article 1091.03 and installed on durable, wood posts.

The Contractor shall be responsible for the traffic control devices at all times during construction activities, and shall coordinate the items of work to keep traffic hazards and/or inconveniences to a minimum.

The Contractor shall furnish the name of the individual in his or her direct employ who is responsible for the installation and maintenance of the traffic control for this project. This person shall be able to be contacted on a 24-hour per day basis to furnish and maintain traffic control in case of an emergency.

Special attention is called to Articles 107.09, 107.14, 107.15, and 107.25 and Sections 701, 703, and 1106 of the "Standard Specifications for Road and Bridge Construction", and the following Highway Standards relating to traffic control.

Special attention is called to the following State Standards relating to traffic control:

701001	701006	701011	701106	701201
701301	701306	701311	701326	701426
701901		BLR 21		BLR 22

Special attention is called to the following Special Provisions relating to traffic control:

RECURRING LOCAL ROADS AND STREETS SPECIAL PROVISIONS:
- Work Zone Traffic Control
- Flaggers in Work Zones

SPECIAL PROVISIONS:
- Sequence of Operations
- Traffic Control and Protection (Special)
- Aggregate for Temporary Access
- Temporary Pavement
- Work Zone Pavement Marking Removal

SEQUENCE OF OPERATIONS

At the Pre-Construction Meeting, the Contractor shall submit to the Engineer and City for review a Sequence of Construction Operations. No deviation from the sequence will be permitted except by written permission from the Engineer and City.

Construction work and road closures shall be timed to minimize impacts to the existing users.

Staging of the project shall be according to the Maintenance of Traffic and Detour Plan sheets provided in the plans. The Contractor may submit alternate staging plans at the Preconstruction Meeting for review by the Engineer, City and IDOT. In general, Orange Prairie Road south of Station 137+23 including the construction of the PE at Station 305+19.5, RT and Detention Basin #6 shall be constructed while Orange Prairie Road within the project limits is closed to traffic. Following completion of this work, the remaining work north of Station 137+23 shall be staged. Road Closures will be allowed on Grange Hall Road (CH D32) and the east leg of IL 91 (Alta Lane) provided that the closures do not occur concurrently.

Road closures for the IL 91/Alta Lane and Grange Hall Road (CH D32) intersection as indicated above will only be allowed between June 1 and August 15th unless otherwise approved by the Engineer, City and IDOT. The intent being that Road Closures are ideally taking place while school is not in session, after farm fields have been planted and before farm fields are being harvested.

The Contractor shall notify the Engineer, the City of Peoria Public Works Department, the Illinois Department of Transportation, the Peoria County Highway Department, the Fire and Police Departments, the local School District, the Bus Transit Authority, the local Emergency Services for Peoria and coordinate with the garbage and postal service any impending street closing a minimum of 72 hours (excluding Saturdays, Sundays and holidays) prior to beginning work and shall notify the same departments and agencies when the street is opened. The Contractor shall note the additional contract Commitment shown in the plans regarding contact with IDOT. The Contractor shall notify in writing all affected residents 48 hours prior to the closing of their driveway. No streets shall be closed without prior notice to and approval by the Engineer and City. Grange Hall Road (CH D32) shall not be closed without prior notice to and approval by the County. The Contractor shall notify the above entities of the progress of the work on a weekly basis and when significant items of work are to be performed or whenever changes in traffic control will precipitate changes in traffic patterns.

TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

Specific traffic control plan details and Special Provisions have been prepared for this contract. This work shall include all labor, materials, equipment, transportation, handling and incidental work necessary for surveillance and to furnish, install, maintain and remove all traffic control devices required as indicated in the plans and as indicated by the Engineer.

Type III Barricades and Road Closed signs placed (by others) at approximately Station 90+40 and Road Ends and Object Marker signs placed at approximately Station 90+60 at the conclusion of the construction contract for Section 09-00343-01-PV to the south shall remain the property of the City of

Peoria. The Contractor shall deliver these Barricades and Signs to the Peoria Public Works Department once the progress of the work requires their removal.

All traffic control and surveillance indicated on the traffic control plan details and specified in the Special Provisions and Standard Specifications will be measured for payment on a lump sum basis.

All of the project traffic control and protection (except traffic control pavement marking) and surveillance as indicated on the traffic control plan details and specified in the Special Provisions and Standard Specifications shall be measured and paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). This price shall be payment in full for all labor, materials, and equipment necessary for surveillance and to install, maintain, move, and remove all traffic control as required herein. Traffic control pavement markings shall be measured per foot for placement and per square foot for removal. Aggregate for Temporary Access will be measured per ton.

AGGREGATE FOR TEMPORARY ACCESS

This work shall include all materials, equipment, labor and work (including excavation, furnished excavation, embankment, and restoration) to furnish, install, maintain, and remove temporary aggregate for access, temporary crossings, temporary entrances, and temporary sidewalk, as necessary. Material shall be CA-06 or RAP millings and shall be compacted to the satisfaction of the Engineer. Locations and utilization of this work will be determined by field conditions at the sole discretion of the Engineer. The temporary aggregate thickness shall be six (6) inches at residential sidewalks and driveways and eight (8) inches at street crossings. During inclement weather and when requested by the Engineer, Aggregate for Temporary Access may also be used for access as required for construction staging. An estimated quantity is included in the contract and no change in unit price shall be allowed due to additions or deletions on the contract quantity. No payment will be made for Aggregate for Temporary Access that is placed without the prior review of the Engineer.

The Contractor shall be responsible to maintain the Aggregate for Temporary Access location areas during the duration of the construction period. Additional aggregate material required for maintenance shall be paid for as Aggregate for Temporary Access if approved by the Engineer prior to placement.

Upon completion of the proposed construction, any aggregate remaining shall be removed from the site by the Contractor prior to topsoil placement. No additional payment shall be made for removal, excavation, transportation, or disposal of this aggregate material. Topsoil placement, fertilizing, seeding, and other necessary restoration of the areas, if required, will be measured and paid for separately.

This work will be measured in place per ton for material actually utilized for temporary aggregate widening for access, temporary crossings, temporary entrances, and temporary sidewalk and paid at the contract unit price bid per ton for AGGREGATE FOR TEMPORARY ACCESS.

TEMPORARY PAVEMENT

This item shall include all materials, labor and equipment necessary to furnish, install, construct and remove from site temporary pavement in accordance with applicable sections of the Standard Specifications except as herein specified.

The Contractor shall construct temporary pavement made of 8" hot-mix asphalt binder course and 2" hot-mix asphalt surface course.

Hot-Mix Asphalt base course shall be placed in accordance with applicable portions of Section 355. Material for Hot-Mix Asphalt base course shall be Hot-Mix Asphalt Binder Course IL-19.0 in accordance with Sections 406 and 407.

Temporary Pavement shall be removed from site in accordance with Section 440 of the Standard Specifications but will not be paid for separately.

This work will be measured and paid for at the contract unit price per square yard for TEMPORARY PAVEMENT which price shall be payment in full for all materials, labor and equipment including bituminous prime coat necessary to perform the work as herein specified.

LIGHTING – RESPONSIBILITY OF BIDDER

The installation shall comply with all applicable codes. The devices to be installed shall be compatible with the electrical requirements of the system and shall equal or exceed the capacity required.

The bidder shall be responsible for determining the conflicting structures where the Contractor shall cut trench or excavate for foundations. All expenses incurred because of conflicting structures shall be borne by the Contractor. Such expenses shall be considered as included in the cost of the conduits and foundations and no additional compensation will be allowed.

LIGHTING – RESPONSIBILITY OF CONTRACTOR

The Contractor shall furnish and install complete lighting systems, thoroughly tested and in operating condition. He is cautioned to use the procedures outlined. For example, it is necessary that the wiring be meggered in the presence of the Engineer. All defective or damaged parts must be replaced at no extra cost before payment will be made, even though approval has been given to use the parts on the basis of manufacturer's specifications and descriptions.

The drawings indicate the locations of service installation, lights, conduits and wiring. Any minor change in the locations of these items from those shown on the plans will be made without additional charge, if so requested by the Engineer.

The Contractor, at his own expense, shall furnish all materials, equipment, and labor necessary in performing the final inspection.

Any inconveniences, delays or additional expense caused by the Contractor in complying with these Special Provisions, shall not be considered cause for additional compensation, and no additional compensation will be allowed.

APPROVAL OF LIGHTING MATERIALS

Electrical materials shall be new and of the types and kinds approved by the Underwriter's Laboratories, Inc.

Before any work is started, the Contractor shall obtain written approval from the Engineer to install the materials he proposes to furnish. Within thirty (30) days after the award of the contract, he shall submit the following to the City Engineer for approval:

A letter affirming that copies of the Special Provisions applying to fixtures and poles have been sent to the manufacturer certifying that the poles to be furnished will meet the requirements of the Special Provisions and three (3) copies of drawings showing each pole and fixture and including for both, the types of material, dimensions, thickness of material, method of fabrication and description of details and color surface, a sample of all cables and conductors, three (3) copies of photometric data including isofootcandle diagram, utilization curve and isocandela diagram for each pattern of each size of each type of fixture specified, description of pattern indicator, ballast, contactor, circuit breakers, selector switch, cabinet, insulating panel board, photocell, and fused safety switch.

GUARANTEES

If a guarantee is included in the standard sales prices of any items at no extra cost, the Contractor shall supply the Engineer with a copy. Lamps, fixtures, ballasts, photocells, contactors and circuit breakers may have such a guarantee.

The Contractor shall note the Guarantee requirements also specified for Street Lighting Assembly Complete, Special.

ELECTRIC SERVICE INSTALLATION, SPECIAL

This work shall be performed in accordance with Section 804 of the Standard Specifications, the plans, and as noted herein. The electric service installation shall extend beyond utility owned facilities to the point of cable termination of the incoming power to the electrical service disconnect and electrical meter.

The underground service shall be installed as part of a service complete with disconnecting means, metering base, and all appurtenances to complete the installation as shown on the plans.

The electric service pedestal work shall be furnished and installed in accordance with Section 825 of the Standard Specifications, the plan details, and as noted herein

All costs shall be included in the contract unit price per each for ELECTRIC SERVICE INSTALLATION, SPECIAL.

LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP

This work shall be performed in accordance with Section 825 of the Standard Specifications, the plan details, and as noted herein.

The enclosure shall be stainless steel, non-painted.

The work will be measured and paid for at the contract unit price per each for LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP.

LIGHT POLE FOUNDATION, 30" DIAMETER

This work shall be performed in accordance with Section 836 of the Standard Specifications, the plan details, and as noted herein.

The "below ground" shaft depth shall be 7'-0" and the anchor rod length shall be 6'-9" for installation of all Street Lighting Assemblies, regardless of type. The Contractor and Engineer shall review proposed top of foundation elevation for each location prior to foundation forming and construction.

The work will be measured and paid for at the contract unit price per foot for LIGHT POLE FOUNDATION, 30" DIAMETER.

STREET LIGHTING ASSEMBLY COMPLETE SPECIAL

This work shall consist of furnishing and installing a complete street light assembly including luminaire, light pole, split base, breakaway device and all appurtenances to complete the installation as shown on the plans and as noted herein.

The Luminaire shall be furnished and installed in accordance with Section 821 of the Standard Specifications, the plan details, and as noted herein. Luminaires shall have a black baked acrylic enamel finish.

The light pole shall be furnished and installed in accordance with Section 830 of the Standard Specifications, the plan details, and as noted herein. Poles shall have a black powder coated finish. Pole/unit identification shall be located on the pole behind the split base so that it is clearly legible with split base access door removed.

Breakaway device shall be furnished and installed in accordance with Section 838 of the Standard Specifications, the plan details, and as noted herein.

Two-piece cast aluminum split base shall clamp around the base plate and lower shaft of the pole assembly. It shall be clamped together using tamper-proof stainless steel screws. An access door shall be provided in the base for wiring and secured with tamper-proof, stainless steel screws. The Base finish shall match that of the pole.

The assembly shall be provided as described via the fixture schedule and details on the plans. Equals will be considered if submitted for approval a minimum of 6 business days prior to bid acceptance. All equal submittals must be accompanied with photometric calculations as described in Article 1067.01 of the Standard Specifications. No substitutions will be allowed except for equals approved in writing prior to bid.

The luminaire, davit arm, light pole and split base assembly with the exception of the lamp shall be warranted with standard manufacturer's warranty for a minimum period of 1 year from project completion. The manufacturer's finish for the davit arm, light pole and split base assembly shall be warranted with standard manufacturer's warranty for a minimum period of 5 years from project completion. All certified warranty documents shall be provided with the shop drawings for review and approval by the City of Peoria.

This work will be measured and paid at the contract unit price per each for STREET LIGHTING ASSEMBLY COMPLETE SPECIAL of the type specified.

ELECTRICAL CONDUCTORS - SLACK REQUIREMENTS

Sufficient length of electrical conductors shall be furnished and installed in handholes and in light standards to provide adequate slack so that electrical conductors may be pulled a minimum of 18" out of pole handhole. Said slack shall be neatly coiled and placed in the handholes.

RELOCATION OF EXISTING LIGHTING SERVICE AND CONTROLLER COMPLETE

This work shall consist of the removal of the existing lighting service and controller at the existing IL 91 and Grange Hall Road intersection and reinstallation at the proposed location shown on the plans.

Included in this work is the removal and reinstallation at the location shown on the plans of all components associated with the service and controller including the overhead service drop, the existing wood pole, meter (mounted on pole), disconnect (mounted on pole), lighting controller (mounted on pole) and all miscellaneous appurtenances on pole. In lieu of reinstalling the existing pole, the Contractor may, at his/her own discretion, elect to install a new wood pole of the same type, diameter and length as the existing pole in accordance with Section 830 of the Standard Specifications at no additional cost. Should the Contractor elect to install a new wood pole, the existing pole becomes the property of the Contractor and shall be disposed of off-site at no additional cost.

Any materials damaged by the Contractor shall be replaced with new at his/her own expense.

The Contractor shall coordinate all removal and reinstallation activities with the local utility.

This work will be measured and paid at the contract price per each for RELOCATION OF EXISTING LIGHTING SERVICE AND CONTROLLER COMPLETE.

LIGHTING ACCEPTANCE

Final acceptance of the Street Lighting items shall be concluded after test data is approved and a final review of the system by the Engineer and City results in a finding that the system is complete and according to specifications. The Engineer and IDOT shall have review authority for test data and final acceptance at the intersection of IL 91.

LIGHTING WIRING TESTS

The tests outlined in this section are witness tests to be performed during construction in the presence of the Engineer at times approved by the Engineer. They shall be performed by the Contractor's personnel and with his equipment. This work is included in the cost of Street Lighting Assembly Complete and Relocate Existing Lighting Unit and no extra compensation will be allowed.

Testing will be performed at opportune times before final field review. Defects shall be corrected and testing repeated until all sections of the installation are sound. Splicing or repairing of insulation below grade is not permissible except in a handhole.

All data required herein shall be read and recorded at the time of the test by the Engineer in the log which will be retained by him/her for examination and approval at the time of final field review. It is the responsibility of the Contractor to make certain that the log is complete and the data proves that the system performance exceeds the minimum requirements. Approval for payment will be given only if the Engineer submits a complete log at time of final field review and that the final, corrected system meets the minimum requirements.

It is the purpose of the test to confirm the quality of insulation in the ballasts and wiring.

All construction shall be finished when tests are made. The pole shall be erected with ballasts and lamps in-place. Trenches shall be backfilled and all connections shall be made up in handholes, poles and control cabinets.

Insulation resistance shall be measured with a megger generating not less than 500 or more than 1,000 volts. A multimeter is not acceptable because it applies only a few volts which will permit some insulation defects to go undetected. Erratic behavior of the megger during the test indicates an intermittent weakness which must be corrected. Only the lowest value indicated shall be considered or recorded.

The Engineer shall log the serial number and voltage rating of the megger used by the Contractor. The Engineer shall then confirm the calibration of the megger by connecting the two leads of the megger together so that the resistance to be measured by the megger when it is turned to full speed is zero. Unless this is true, the megger will give false readings under all other circumstances as well.

Each circuit shall be permanently tagged for identification and then tested at the control centers. The full voltage of the megger shall be applied between ground and each insulated wire in each circuit. The ground shall consist of a driven, copper clad rod 8' x 5/8" or larger, connected by #6 wire to the power

company neutral in the control cabinet. Circuits shall be isolated from each other by opening the circuit breakers.

The minimum acceptable resistance to ground shown by the megger shall be as detailed in Article 801.13 (a) (2).

The megger shall be operating at full crank speed when it is read. If needle fluctuates, the lowest resistance value shall be recorded.

If any conductor has less resistance than that shown above, it shall be rejected regardless of atmosphere, groundwater or other conditions which may be alleged to be the reason. Defective cables shall be replaced and retested until satisfactory.

LIGHTING VOLTAGE REGULATION AND CURRENT BALANCE TESTS

It is the purpose of these tests to confirm the design values of voltage drop and the accuracy of the installed wiring layout. The test shall be performed in the sequence given as rapidly as possible, except for the five-minute warm-up. Only one voltmeter and one ammeter shall be used to eliminate discrepancies between instruments. The instruments shall not be adjusted after testing begins.

1) Turn lights on and record "starting" current in supply phase wires A and B.

2) After lights are on five minutes:

   a) Record "operating" current in phase wires A and B;

   b) Record phase voltage;

   c) Record voltage across ballast in handhole in end light of circuit designated by Engineer;

   d) Record voltage of same circuit at control center to determine voltage drop between end lamp and control center; and

   e) Record current in each lighting circuit.

WIRING TEST LOG SHEET

(One REQUIRED for each control of service center)

Control Center Number : _____

MEGGER DATA:

Volts generated _____ volts. (Must be 500 to 1,000)
Scale used: 0 to _____ megohms
Manufactured by: _____
Serial Number: _____

CONSTRUCTION STATUS:

Wiring complete _____ Incomplete
Trenches open _____ Backfilled

MEGOHMS TO GROUND:

Wire A to power supply	_____	megohms
Wire B to power supply	_____	megohms
Wire A to lighting circuit 1	_____	megohms
Wire B to lighting circuit 1	_____	megohms
Wire A to lighting circuit 2	_____	megohms
Wire B to lighting circuit 2	_____	megohms
Wire A to lighting circuit 3	_____	megohms
Wire B to lighting circuit 3	_____	megohms

AMPERES:

Wire A to power supply, initial	_____	amperes
Wire B to power supply, initial	_____	amperes
Wire A to power supply, after 5 minutes on	_____	amperes
Wire B to power supply, after 5 minutes on	_____	amperes
Wire A, Circuit 1 - after 5 minutes on	_____	amperes
Wire A, Circuit 2 - after 5 minutes on	_____	amperes
Wire A, Circuit 3 - after 5 minutes on	_____	amperes
Wire A, Circuit 4 - after 5 minutes on	_____	amperes

REGULATION: (Make following tests in order shown with lights burning after they have been on for five (5) minutes or more).

1. Voltage in control cabinet between Wire A and Wire B to Power supply:

   _____ Volts.

2. Voltage between Wire A and Wire B at most distant light (designated by Engineer):

   _____ Volts.

3. Voltage in control cabinet between Wire A and Wire B to Power supply (same as 1):

   _____ Volts.

_____

Engineer

STANDARDS IN THE PLANS

The Standards with the revision number listed in the Index to Sheets included in the plans shall hold precedence over Standard Numbers listed elsewhere in the plans or Special Provisions for this contract.

DAMAGE TO NEW OR EXISTING STRUCTURES OR PROPERTY

If damage is done to new or existing structures or property during construction of the proposed improvement, they shall be replaced or repaired in a satisfactory manner by the Contractor at his/her own expense. The replacement or repair method shall be reviewed by the Engineer and approved by the City prior to replacement or repair.

PLAN QUANTITY CALCULATION RATES

The pay item quantities shown in the plans and specifications have been calculated based on areas and locations shown on the plans. The following factors have been used to calculate the plan quantities:

Granular Materials	2.05 ton/CY
Bituminous Materials Prime Coat – MC-30	0.4 gal/SY
Polymerized Bituminous Materials Prime Coat	See Typical Sections
Hot-Mix Asphalt (All Items)	115 lbs/SY/in

AGGREGATE OPTIMIZATION OF CLASS PV MIX FOR SLIPFORM PAVING

Effective August 3, 2012

Delete Note 8/ of Article 1004.01(c) and replace Article 1004.02(d)(1) with the following:

For the slipform paving of concrete pavement, the Class PV concrete shall be uniformly graded. This may be accomplished by using a uniformly graded single coarse aggregate, or by blending two or more coarse aggregate sizes. As a minimum for multiple coarse aggregate sizes, CA 7 or CA 11 shall be blended with CA 13, CA 14, or CA 16. The final single coarse aggregate or combined coarse aggregate gradation shall have minimum 45 percent and maximum 60 percent passing the 1/2 in. (12.5 mm) sieve. However, the Contractor may propose for approval by the Engineer an alternate uniformly graded concrete mixture using the information in the "Portland Cement Concrete Level III Technician Course – Manual of Instructions for Design of Concrete Mixtures".

LOCATION OF UNDERGROUND STATE MAINTAINED FACILITIES

Effective August 3, 2007 Revised July 31, 2009

The Contractor shall be responsible for locating existing and proposed IDOT electrical facilities (traffic signal, overhead lighting, Intelligent Transportation System, etc.) prior to performing any work at

his/her own expense if required. The Contractor shall also be liable for any damage to IDOT facilities resulting from inaccurate locating.

The Contractor may obtain, on request, plans for existing electrical facilities from the Department.

The Contractor shall also be responsible for locating and providing protection for IDOT facilities during all phases of construction. If at any time the facilities are damaged, the Contractor shall immediately notify the Department and make all necessary arrangements for repair to the satisfaction of the Engineer. This work will not be paid for separately, but shall be included in the contract bid price.

PCC AUTOMATIC BATCHING EQUIPMENT

Effective: April 23, 2010 Revised: November 8, 2013

Portland cement concrete provided shall be produced from batch plants that conform to the requirements of Article 1103.03 (a) and (b) of the Standard Specifications for Road and Bridge Construction. Semi-automatic batching will not be allowed.

In addition, the batching plant shall be a computerized plant interfaced with a printer and shall print actual batch weights, added water, tempering water, mixing time, and amount of each additive per batch. At the discretion of the Engineer, archived electronic versions of batch proportions will be acceptable. Truck delivery tickets will still be required as per Article 1020.11(a)(7).

SUBBASE GRANULAR MATERIAL

Effective November 5, 2004

This work shall be in accordance with Section 311 of the Standard Specifications and as specified herein.

All Subbase Granular Material shall have a minimum IBR of 40.

SUBGRADE TREATMENT

Effective: July 1, 1990 Revised: April 25, 2008

Revise first sentence of first paragraph of Article 301.04 as follows:

> "When compacted, the subgrade shall have a minimum dry density of 95 percent of the standard laboratory dry density and a minimum immediate bearing value (IBV) of 4.0."

Delete the second paragraph (including subparagraphs a, b, and c) of Article 301.04 of the Standard Specifications and replace it with the following:

> "In cut sections the contractor responsible for the rough grading shall obtain not less than 95% of the standard laboratory density and not more than 110% of the optimum moisture for the top 1' (300mm) of the subgrade.

The Contractor may, at his/her option, add a drying agent to lower the moisture content as specified. The drying agent must be approved by the Engineer prior to use. Additional compensation will not be allowed for the use of a drying agent, but will be considered as included in the cost of the various earthwork items."

In the first sentence of the third paragraph delete "above steps have" and replace with "work has."

ANTI-STRIP ADDITIVE FOR HOT-MIX ASPHALT

Effective: July 30, 2010

If an anti-stripping additive is required for any hot-mix asphalt in accordance with Article 1030.04(c), the cost of the additive will not be paid for separately, but shall be considered as included in the contract unit price bid for the hot-mix asphalt item(s) involved.

HOT-MIX ASPHALT – PRIME COAT

Effective: April 29, 2011 Revised: April 26, 2013

Revise the second paragraph of Article 406.02 of the Standard Specifications to read:

"When emulsified asphalts are used, any dilution with water must be performed by the manufacturer. The emulsified asphalt shall be thoroughly agitated within 24 hours of application and show no separation of water and emulsion."

Revise the first paragraph of Article 406.05(b) of the Standard Specifications to read:

"Prime Coat. The base, or base and gutter shall be clean and dry. The bituminous priming material shall be prepared according to Article 403.05 and applied according to Article 403.10."

Revise the first paragraph of Article 406.05(b)(1) of the Standard Specifications to read:

"(1) Brick, Concrete or HMA Bases. The prime shall be applied uniformly at a residual asphalt rate of 0.02 to 0.06 gal/sq yd (0.1 to 0.3 L/sq m). The exact residual asphalt rate will be specified by the Engineer. Prior to priming, the residual asphalt rate shall be verified by passing the applicator truck over a 1 ft x 1 ft pre-weighed cardboard square, drying the cardboard and prime to a constant mass, and determining the final dry weight. The difference between the two weights will be the residual asphalt weight per square foot. The residual asphalt weight per square foot shall be converted to gallons per square yard using a residual asphalt specific gravity of 1.03."

Add the following to the second paragraph of Article 406.05(b)(1):

"When prime coat is applied on two lane roadways, the pavement shall be primed one lane at a time. The primed lane shall remain closed for a minimum of one hour and shall remain closed

until the prime does not pickup under traffic. On multi-lane pavements, traffic will not be allowed on the primed surface until it is fully cured, such that it does not pickup under traffic."

Replace the last sentence of the third paragraph of Article 406.05(b)(1) with the following:

"Prime coat shall be fully cured prior to placement of HMA to prevent pickup by haul trucks or paving equipment. If pickup occurs, paving shall cease in order to provide additional cure time, or an approved release agent may be applied to the tires of the haul trucks or paving equipment as needed to prevent pickup of the prime coat."

PAVEMENT MARKING REMOVAL/WORK ZONE PAVEMENT MARKING REMOVAL

Effective: April 29, 2005

Description: This work shall consist of removing all permanent or work zone pavement marking, painted pavement markings, epoxy paint pavement markings, thermoplastic pavement marking, or pavement marking tape type III by hydro-blasting in accordance with the applicable portions of Section 783 and 703 of the Standard Specifications and described herein. Pavement marking tape type III may be peeled or burned off. However, all remnants or burn marks shall be hydro-blasted.

Equipment Requirements: All equipment shall be of sufficient capacity to efficiently and economically clean the roadway surface to the specified cleanliness. Equipment shall be power driven and in good operating condition. Equipment shall utilize moisture and oil traps, in working order, of sufficient capacity to remove contaminants from the water and prevent deposition of oil and other contaminants on the roadway surface.

Removal Requirements: Removal requirements shall be as follows:

a) The existing paint pavement markings or epoxy paint pavement markings shall be removed without pavement surface damage to the satisfaction of the Engineer.

b) A high pressure water spray or "hydro-blast" shall be used during the removal, the pressure at the nozzle shall be approximately 172,000 kPa (25,000 psi) with maximum flow rate of 56 L/min (15 gal/min). The nozzle shall be in close proximity to the pavement surface.

c) Over cleaning to the extent of possible damage to the roadway surface shall be held to a minimum. Very small particles of tightly adhering existing markings may remain in place, if in the opinion of the Engineer, complete removal of the small particles will result in pavement surface damage.

Method of Measurement: The removal of permanent or work zone pavement marking, painted pavement markings, epoxy paint pavement markings, thermoplastic pavement marking, or pavement marking tape type III will be measured in square feet.

Basis of Payment: This work will be paid for at the contract unit price per square foot for PAVEMENT MARKING REMOVAL or WORK ZONE PAVEMENT MARKING REMOVAL.

TEMPORARY CONCRETE BARRIER REFLECTORS

Effective January 21, 2005

Installation of reflectors shall be in accordance with the Traffic Control Standards, plan details, and specifications.

Reflectors mounted on temporary concrete barrier will not be measured for payment and shall be included in the cost of pay items associated with temporary concrete barrier.

Illinois Department of Transportation

Storm Water Pollution Prevention Plan

Route	Orange Prairie Road	Marked Rte.	N/A
Section	09-00343-03-PV	Project No.	N/A
County	Peoria	Contract No.	N/A

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eric Bachman, PE
Print Name

Principal
Title

Farnsworth Group, Inc.
Agency

Signature

03/13/14
Date

I. Site Description:

A. Provide a description of the project location (include latitude and longitude):

City of Peoria, Peoria County - Orange Prairie Road from from ~4,750' S. of IL 91/Grange Hall Rd. (CH D32) to IL 91/Grange Hall Rd. (CH D32)

B. Provide a description of the construction activity which is the subject of this plan:

Construction activities consist of removal of existing bituminous pavement and driveways; construction of new storm sewer, inlets, manholes, P.C. concrete pavement, HMA pavement, aggregate base, lime stabilized subgrade, P.C. concrete sidewalk, P.C. concrete driveway pavement, HMA multi-use path, decorative lighting, landscaping, and other items necessary for the completion of the above including earth excavation, embankment placement, topsoil placement, seeding, mulching and planting of trees and shrubs.

C. Provide the estimated duration of this project:

Estimated construction duration is 18 months

D. The total area of the construction site is estimated to be 28.5 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 26 acres.

E. The following is a weighted average of the runoff coefficient for this project after construction activities are completed:

Existing 0.30 Proposed 0.59

F. List all soils found within project boundaries. Include map unit name, slope information, and erosivity:

Ipava silt loam, 0 to 2 percent slopes, Kw=0.28
Sable silty clay loam, 0 to 2 percent slopes, Kw=0.24
Osco silt loam, 2 to 5 percent slopes, Kw=0.32
Catlin silt loam, 2 to 5 percent slopes, eroded, Kw=0.37
Catlin silt loam, 5 to 10 percent slopes, eroded, Kw=0.37
Clarksdale silt loam, 0 to 2 percent slopes, Kw=0.43
Elkhart silt loam, 2 to 5 percent slopes, eroded, Kw=0.28
Greenbush silt loam, 2 to 5 percent slopes, Kw=0.37

G. Provide an aerial extent of wetland acreage at the site:

See plan sheets for delineated wetland locations located within the project limits.

H. Provide a description of potentially erosive areas associated with this project:

Areas in and around detention basins and areas between road and R.O.W. where slopes vary along the corridor.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g. steepness of slopes, length of slopes, etc):

Grading in and around the proposed detention basins and areas between the roadway and the Right-of-Way where there are slopes ranging from 1:3 to 1:6. Steeper slopes are generally limited in length.

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

N/A (drains to natural drainage ways)

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located.

City of Peoria, Peoria County, State of Illinois/Illinois Department of Transportation

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. The location of the receiving waters can be found on the erosion and sediment control plans:

The storm sewer system drains temporarily to proposed detention basins which will ultimately drain to either Fargo Run, which is tributary to Kickapoo Creek, tributary to the Illinois River, tributary to the Mississippi River or to drainage ways which drain to Kickapoo Creek, tributary to the Illinois River, tributary to the Mississippi River.

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes, highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc.

N/A

O. The following sensitive environmental resources are associated with this project, and may have the potential to be impacted by the proposed development:

- ☒ Floodplain
- ☒ Wetland Riparian
- ☒ Threatened and Endangered Species
- ☐ Historic Preservation
- ☐ 303(d) Listed receiving waters for suspended solids, turbidity, or siltation
- ☐ Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
- ☐ Applicable Federal, Tribal, State or Local Programs
- ☐ Other

1. 303(d) Listed receiving waters (fill out this section if checked above):

   a. The name(s) of the listed water body, and identification of all pollutants causing impairment:

   b. Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

c. Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

d. Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

2. TMDL (fill out this section if checked above)

a. The name(s) of the listed water body:

b. Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

c. If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

P. The following pollutants of concern will be associated with this construction project:

☒	Soil Sediment	☒	Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
☒	Concrete	☐	Antifreeze / Coolants
☒	Concrete Truck Waste	☐	Waste water from cleaning construction equipment
☒	Concrete Curing Compounds	☐	Other (specify)
☐	Solid Waste Debris	☐	Other (specify)
☒	Paints	☐	Other (specify)
☐	Solvents	☐	Other (specify)
☒	Fertilizers / Pesticides	☐	Other (specify)

Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in I.C. above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. **Erosion and Sediment Controls:** At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. **Stabilization Practices:** Provided below is a description of interim and permanent stabilization practices, including site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II(B)(1) and II(B)(2), stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- ☒ Preservation of Mature Vegetation
- ☒ Vegetated Buffer Strips
- ☒ Protection of Trees
- ☒ Temporary Erosion Control Seeding
- ☒ Temporary Turf (Seeding, Class 7)
- ☐ Temporary Mulching
- ☒ Permanent Seeding
- ☒ Erosion Control Blanket / Mulching
- ☒ Sodding
- ☒ Geotextiles
- ☐ Other (specify)
- ☐ Other (specify)
- ☐ Other (specify)
- ☐ Other (specify)

Describe how the stabilization practices listed above will be utilized during construction:

Only existing areas required for the construction of the roadway, sidewalk, bike path, ditches, and storm sewers will be disturbed, thereby preserving existing vegetation. After the grading and topsoil placement in an area is complete, the disturbed soil will be temporarily seeded.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Once the entire grading and topsoil placement is complete, the entire project will be permanently seeded and mulched.

C. **Structural Practices:** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The following structural practices will be used for this project:

- ☒ Perimeter Erosion Barrier
- ☒ Temporary Ditch Check
- ☒ Storm Drain Inlet Protection
- ☐ Sediment Trap
- ☐ Temporary Pipe Slope Drain
- ☐ Temporary Sediment Basin
- ☐ Temporary Stream Crossing
- ☒ Stabilized Construction Exits
- ☐ Turf Reinforcement Mats
- ☐ Permanent Check Dams
- ☐ Permanent Sediment Basin
- ☐ Aggregate Ditch
- ☐ Paved Ditch
- ☒ Rock Outlet Protection
- ☒ Riprap
- ☐ Gabions
- ☐ Slope Mattress
- ☐ Retaining Walls
- ☐ Slope Walls
- ☐ Concrete Revetment Mats
- ☐ Level Spreaders
- ☐ Other (specify)
- ☐ Other (specify)
- ☐ Other (specify)
- ☐ Other (specify)
- ☐ Other (specify)

Describe how the structural practices listed above will be utilized during construction:

Perimeter Erosion Barrier will be placed at the construction limits to prevent silt from leaving the construction site and along the back of curb as needed to keep silt in the turf areas. All inlets and manholes will receive Inlet Protection to prevent silt from entering the storm sewer system. Stabilized Construction Entrances will be constructed where vehicles will leave the site and the Contractor will clean roadways leaving the site at the end of each working day, returning any soil to the project site. Riprap and Rock outlet protection will be placed at storm sewer and culvert outfalls to prevent erosion. Temporary Ditch Checks will be placed in ditches to prevent silt from entering receiving waters. The Contractor will clean, maintain, and replace erosion controls as necessary to prevent erosion on the site.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

Once construction activities are completed, the riprap and rock outlet protection will remain in place.

D. **Treatment Chemicals**

Will polymer flocculants or treatment chemicals be utilized on this project: ☐ Yes ☒ No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

E. **Permanent Storm Water Management Controls:** Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

   The practices selected for implementation were determined on the basis of the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT Bureau of Design and Environment Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

2. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

   Description of permanent storm water management controls:

   Detention basins will be constructed to collect and detain storm water runoff before discharge into existing drainage swales. Riprap will be placed at culvert and storm sewer outfalls to be used as an energy dissipater.

F. **Approved State or Local Laws:** The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

N/A

G. **Contractor Required Submittals:** Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342a.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:

   - Approximate duration of the project, including each stage of the project
   - Rainy season, dry season, and winter shutdown dates
   - Temporary stabilization measures to be employed by contract phases

- Mobilization timeframe
- Mass clearing and grubbing/roadside clearing dates
- Deployment of Erosion Control Practices
- Deployment of Sediment Control Practices (including stabilized construction entrances/exits)
- Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
- Paving, saw-cutting, and any other pavement related operations
- Major planned stockpiling operations
- Timeframe for other significant long-term operations or activities that may plan non-storm water discharges such as dewatering, grinding, etc.
- Permanent stabilization activities for each area of the project

2. The Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:

   - Vehicle Entrances and Exits – Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
   - Material Delivery, Storage and Use – Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
   - Stockpile Management – Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
   - Waste Disposal – Discuss methods of waste disposal that will be used for this project.
   - Spill Prevention and Control – Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
   - Concrete Residuals and Washout Wastes – Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
   - Litter Management – Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
   - Vehicle and Equipment Fueling – Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
   - Vehicle and Equipment Cleaning and Maintenance – Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
   - Dewatering Activities – Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
   - Polymer Flocculants and Treatment Chemicals – Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
   - Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides to the Contractor for the practices associated with this project. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report (BC 2259). Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions.

Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Failure to Comply:

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.

Illinois Department of Transportation

Contractor Certification Statement

Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	Orange Prairie Road	Marked Rte.	N/A
Section	09-00343-03-PV	Project No.	N/A
County	Peoria	Contract No.	N/A

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

☐ Contractor

☐ Sub-Contractor

Print Name	Signature
Title	Date
Name of Firm	Telephone
Street Address	City/State/ZIP

Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP:

EQUAL OPPORTUNITY REQUIREMENTS

EEO CONTRACT COMPLIANCE CLAUSE

It is hereby declared to be the public policy of the City of Peoria, that it will not execute a contract for goods and/or services with any individual, business enterprise, supplier/vendor; maintain a financial relationship with any financial institution; or use the services of any labor organization or member thereof found to be in violation of the provisions of the Municipal Code for the City of Peoria, Chapter 17, Article III, Division 4, Section 17-118.

This clause covers contractors, vendors, suppliers, borrowers and/or recipients of city resources, purchasers and/or developers of city owned property, and any other individuals or entities providing goods and/or services to the City of Peoria; and are hereinafter referred to as "Contractor."

If any Contractor conducting business with the City of Peoria fails to comply with the fair employment and affirmative action provisions of Chapter 17, Article III, Division 4 of the municipal code (hereinafter Chapter 17), the city, at its option, may do any or all of the following:

(1) Cancel, terminate, or suspend the contract in whole or in part;

(2) Declare the contractor ineligible for further contracts for one calendar year;

(3) The Fair Employment and Housing Commission (hereinafter FEHC), in accordance with its rules and regulations, shall have the power to impose a penalty upon any Contractor failing to comply with Chapter 17 in an amount not less than $50.00; nor more than as provided in Chapter 1, Section 1-5 of the municipal code, for each day that the Contractor fails to comply, upon a specific finding of such violation. The FEHC may order a Contractor found guilty of failure to comply with the provisions of Chapter 17 to pay all or a portion of the legal costs incurred by the city as a result of prosecution of such violations. Penalties assessed under the this clause may be recovered from the Contractor by setoff against unpaid portion of the contract price; and

(4) Such other sanctions as may be imposed by the FEHC pursuant to the provisions of Chapter 17 and other applicable ordinance provisions of the municipal code.

During the performance of this contract, the Contractor agrees:

(A) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual harassment, ancestry, national origin, place of birth, age, or a physical and/or mental disability which would not interfere with the efficient performance of the job in question. The contractor/vendor will take affirmative action to comply with the provisions of Peoria City Code, Chapter 17 and will require any subcontractor to submit to the City of Peoria a written commitment to comply with this division. The Contractor will distribute copies of this commitment to all persons who participate in recruitment, screening, referral, and selection of job applicants, prospective job applicants, members, or prospective contractors.

The Contractor agrees that the provisions of Chapter 17, of the Municipal Code of the City of Peoria is hereby incorporated by reference, as if set out verbatim

(B) That it will examine each one of its workforce job classifications to determine if minorities and/or females are underutilized; and it will take appropriate affirmative action steps to rectify such identified underutilization.

(C) That if it hires additional employees in order to perform this contract or any portion thereof, it will determine the availability of minority and females in the area(s) from which it may reasonably recruit; and every good faith effort will be made in its selection process to minimize or eliminate identified areas of minority and/or female underutilization for each job classification for which there are employment opportunities.

(D) That during the performance of this contract, the Contractor will maintain its eligibility status to conduct business with the City of Peoria under the provisions of the EEO certification registration program.

(E) That in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, sex, religion, national origin, age, or physical and/or mental disability.

(F) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under Chapter 17. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with Chapter 17, the Contractor will promptly so notify the Equal Opportunity Office (hereinafter EOO) and/or the FEHC for the City of Peoria.

(G) That it will submit reports as required and furnish all relevant information as may from time to time be requested the EOO and/or the FEHC.

(H) That it will permit access to all relevant books, records, accounts and work sites by EOO staff members for purposes of investigation to ascertain compliance with Chapter 17.

(I) That it will include verbatim or by reference the provisions of Section 17-120 of Chapter 17 so that such provisions will be binding in the same manner as with other provisions of this contract. The Contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further, it will promptly notify the EOO and/or FEHC in the event any subcontractor fails or refuses to comply therewith. In addition, no Contractor will utilize any subcontractor declared by the EOO and/or FEHC to be non-responsive and therefore, ineligible for contracts or subcontracts with the City of Peoria.

(J) That during the performance of this contract, the Contractor agrees: that it will have written sexual harassment policies that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under state law; (iii) a description of sexual harassment utilizing examples; (iv) the contractor's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission; (vi) directions on how to contact the Department of Human Rights and the Commission; and (vii) protection against retaliation as provided by Section 6-101 of this Act (Public Act 87-1257). A copy of the policies shall be provided to the Illinois Department of Human Rights or the City of Peoria upon request.

(K) That during the performance of this contract, the Contractor agrees that they do not and will not maintain or provide for their employees, any segregated facilities at any of their establishments, or permit employees to perform their services at any location under their control where segregated facilities are maintained.

As used in this document, the term segregated facilities means any waiting rooms, work areas, rest rooms and wash rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, religion, color, national origin, because of habit, local custom, or otherwise.

(Revised 01/04)

CITY OF PEORIA

MINORITY AND WOMEN'S BUSINESS ENTERPRISE (M/WBE) PARTICIPATION REQUIREMENTS FOR GOOD-FAITH EFFORTS

(Projects exceeding $50,000)

I. Description of Program

A. It is the policy of the City of Peoria to encourage participation of M/WBE's on all city-funded construction projects In complying with this clause bidders are required, when subcontracting opportunities are available, to make a good-faith effort to meet the goals established for M/WBE participation. The participation goals are cited in Section VI on the Subcontractor Utilization Statement.

B. Failure to submit the documentation requested in Sections II and III of this document may cause (1) the bid to be rejected and determined non-responsive; (2) subject the bidders to the sanctions described in Section VIII.

II. Pre-Bid Efforts when Awarding Subcontracts

A. Bidders are required to contact and solicit, in writing, bids from M/WBEs for available subcontracting. In seeking solicitations, bidders are to identify the portion(s) of work to be subcontracted and offer to break down any portion(s) of work into economically feasible units in order to facilitate M/WBE participation. Bidders also are to provide the name of a specific contact person in their notice to the M/WBEs. Contact shall be made prior to bid opening. The name of each company contacted, the date and method must be submitted with bid documents.

The low bidder shall provide to the City of Peoria, upon request, copies of faxes, letters, and e-mails sent to M/WBEs

B. Bidders who are a MBE or WBE are not exempt from soliciting bids for available subcontracting. The bidder is required to contact, in writing, firms that will help the bidder meet the participation goal for the targeted group opposite to which the bidder belongs. If the bidder is identified as both a MBE and WBE, the participation goals shall be deemed to have been met.

In seeking solicitations, bidders are to identify the portion(s) of work to be subcontracted and offer to break down any portion(s) of work into economically feasible units in order to facilitate M/WBE participation. Bidders also are to provide the name of a specific contact person in their notice to the M/WBEs.

Contact shall be made prior to bid opening. A list containing the name of each company contacted, the date and method must be submitted with bid documents.

The low bidder shall provide to the City of Peoria, upon request, copies of faxes, letters, and e-mails sent to M/WBEs.

III. Good-Faith Efforts Documentation when Utilizing Subcontractors

A. All Bidders must provide proof of its compliance with the pre-bid requirements and good-faith efforts to the City. Both the pre-bid documentation and the support documentation requested below must be submitted with bid documents.

1. All Bidders must submit a properly completed **"Subcontractor Utilization Statement."** All Bidders must provide the scope of work to be performed, the dollar amount to be paid, and the percentage amount of the contract for each company listed.
2. All Bidders must submit a list of qualified M/WBE's who submitted proposals but will not be utilized. This list must include a justification for not accepting the proposed bid.

B. Disputes arising from the enforcement of these requirements will be resolved by the Equal Opportunity Office.

IV. Waiver Requirements When Self-Performing All Work

A. All bidders will make every effort to make subcontract opportunities available to M/WBEs. However, if such an opportunity cannot be made available, the Bidder must seek a waiver by submitting **"M/WBE Participation Waiver Request."** The waiver request must be submitted to the City of Peoria with bid documents.

B. For the M/WBE waiver request to receive consideration, the following supportive documentation that applies must accompany the form:

1. A narrative describing the Bidder's good faith efforts to secure M/WBE participation prior to bid opening.

2. A notarized affidavit attesting the Bidder did not receive inquiries or proposals from qualified M/WBEs in response to the required notification prior to bid opening.

3. A written explanation for why the Bidder believes no subcontracting opportunities exist. ***If the City of Peoria determines that the explanation is insufficient it reserves the right to halt the bid award process to request additional information from the Bidder. The Bidder will receive the request for information in writing.***

4. A written explanation for why the Bidder believes it is impracticable to award any subcontract(s) on the project in question. ***If the Equal Opportunity Office determines that the explanation is insufficient it reserves the right to halt the bid award process to request additional information from the Bidder. The Bidder will receive the request for information in writing.***

V. Change In Use of Subcontractors or Self-Performance Status

Before the General Contractor can deviate from utilizing any of the subcontractors listed on the Subcontractor Utilization Statement or its declared intent to self-perform, it must submit a completed **Notification of Change in Participation** form to the City of Peoria. Upon notification construction on the project may be delayed or halted until a review is conducted by the Equal Opportunity Office.

Regarding a self-performance change, if a subcontracting opportunity has been made available, the General Contractor must identify all good faith efforts made to meet the M/WBE participation goals, unless the change was due to an emergency.

VI. Procedures for Counting M/WBE Participation toward Goals

(based upon Department of Transportation regulations)

i. When an M/WBE participates in a contract, count only the value of the work actually performed by the M/WBE toward M/WBE participation goals.

1. Count the entire amount of that portion of a construction contract (or other contract not covered by paragraph (i)(2) of this section) that is performed by the M/WBE's own forces. Include the cost of supplies and materials obtained by the M/WBE for the work of the contract including supplies purchased or equipment leased by the M/WBE (except supplies and equipment the M/WBE subcontractor purchases or leases from the prime contractor or its affiliate).

2. Count the entire amount of fees or commissions performed by an M/WBE firm towards M/WBE goals if that firm provides the Apparent Low Bidder a bona fide professional, technical, consultant, or managerial service or provides bonds or insurance specifically required in a City of Peoria contract.

3. If an M/WBE subcontracts a portion of its work to an M/WBE, 100% of the value of the subcontracted work may be counted toward the M/WBE goal, but any portion of the work the M/WBE subcontracts to a non-M/WBE does not count toward the M/WBE goal.

ii. When an M/WBE participates in a joint venture on a City contract, only count the dollar value of the portion of the work that the M/WBE performs with its own forces toward M/WBE goals.

iii. Count expenditures to an M/WBE contractor toward M/WBE goals if, and only if, the M/WBE is performing a commercially useful function on that contract.

1. An M/WBE performs a commercially useful function when it is responsible for performing, managing, and supervising its contracted work; moreover, with respect to materials and supplies used on the contract, it must also be responsible for negotiating its price, and purchasing and managing those supplies.

2. An M/WBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of M/WBE participation. It should be noted that an effort contrived to give the appearance of M/WBE participation is not considered a good faith effort and is considered an ethical violation that is subject to sanctions outlined in section V.

3. If an M/WBE does not perform or exercise responsibility for at least 30% of the total cost of its contract with its own work force, you must presume that it is not performing a commercially useful function and the dollar amount of that work will not count toward the M/WBE goals.

4. When an M/WBE is presumed the City of Peoria not to be performing a commercially useful function as provided in paragraph (iii)(3) of this section, the M/WBE may present evidence to rebut this presumption. Your rebuttal is subject to review by the City of Peoria.

iv. Use the following factors in determining if an M/WBE trucking company is performing a commercially useful function:

1. The M/WBE trucking company must manage and supervise the trucking work it is being paid to perform. A contrived arrangement for the purpose of giving the appearance of meeting M/WBE goals is not considered a good faith effort.

2. The M/WBE trucking company must own and operate at least one fully licensed, insured, and operational truck used on the contract.

3. The M/WBE trucking company receives credit for the total dollar value of the transportation services it provides on the contract using trucks it owns, insures, and operates.

4. The M/WBE trucking company may lease trucks from another M/WBE trucking firm, including an owner-operator who is certified as an M/WBE. The M/WBE who leases trucks from another M/WBE receives total credit for the dollar value of the transportation services the M/WBE trucking lessee provides on the contract.

5. The M/WBE trucking company may also lease trucks from a non-M/WBE trucking firm, including an owner-operator. The M/WBE who leases trucks from a non-M/WBE is only entitled to credit for the fee or commission it receives as a result of the lease arrangement. The M/WBE does not receive credit for the total dollar value of the transportation services provided by the lessee since these services are not provided by an M/WBE.

6. A lease agreement with an M/WBE trucking firm must indicate that the M/WBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the M/WBE, so long as the lease gives the M/WBE absolute priority for use of the leased truck. Leased trucks must display the name and identification number of the M/WBE.

v. Count expenditures with M/WBEs for materials and supplies toward M/WBE goals in the following manner:

1. If the materials or supplies are obtained from an M/WBE manufacturer, count 100% of the cost of the materials or supplies toward M/WBE goals.

Note: For purposes of this paragraph (v)(1), a manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.

2. If the materials or supplies are purchased from an M/WBE regular dealer, count 60% of the cost of the materials or supplies toward M/WBE goals.

Note: For purposes of this section, a regular dealer is a firm that owns, operates or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are brought, kept in stock, and regularly sold or leased to the public in the usual course of business.

(A) To be a regular dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.

(B) A person may be a regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating, or maintaining a place of business as provided in this paragraph (v)(2), if the person both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by a long-term lease agreement and not on an ad hoc or contract-by-contract basis.

(C) Packagers, brokers, manufacturers' representatives, or other persons who arrange or expedite transactions are not regular dealers within the meaning of the paragraph (v)(2).

3. If materials or supplies are purchased from an M/WBE which is neither a manufacturer nor a regular dealer, count only 5% of the contract amount toward the M/WBE goals.

VII. Record Keeping and Reporting

A. The General Contractor and subcontractors agree to maintain records demonstrative of its good faith efforts to comply with the participation goals attached to the project. This would include, but not limited to, names of M/WBEs and non-minority firms awarded subcontracts, including dollar amount of the contract, payments to subcontractors, and weekly certified payroll reports. These records shall be made available to the City of Peoria.

B. All information will be provided through ePrismSoft, an electronic web based compliance tracking software. Access to ePrismSoft has been furnished by the City of Peoria. To activate access, the General Contractor and subcontractors must contact Human Capital Development at webnfo@eprismsoft.com or 309/692-6400.

VIII. Sanctions

A. The Equal Opportunity Office may recommend the rejection of the apparent low bid where the information submitted by the Apparent Low Bidder fails to objectively demonstrate compliance with the M/WBE Good-Faith Efforts requirements. The Apparent Low Bidder will be notified of this decision and the reasons in writing. The Apparent Low Bidder may request a hearing within five (5) business days of this notice. The request must be submitted to the Equal Opportunity Office. The hearing will be held no later than seven (7) business days after receipt of request. The City Manager or designee will conduct all hearings.

B. Upon a finding that any party has not complied with the provisions of this clause, any one or a combination of the following actions may be taken:

1. Declare the Apparent Low Bidder non-responsive and therefore ineligible for contract award.

2. Declare the Apparent Low Bidder ineligible for further contracts for a calendar year.

3. File a formal complaint against Apparent Low Bidder, and/or subcontractor with the Fair Employment and Housing Commission.

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rev. 04/17/12

HUMAN RIGHTS ACT

The contract will be subject to and governed by the rules and regulations of the Illinois Human Rights Act, including Public Act 87-1257 (effective July 1, 1993) which requires that every bidder shall have a written sexual harassment policy that includes, at a minimum, the following information:

a. The illegality of sexual harassment;

b. The definition of sexual harassment under State law;

c. A description of sexual harassment, utilizing examples;

d. The bidder's internal complaint process including penalties;

e. The legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission;

f. Directions on how to contact the Department and the Commission;

g. Protection against retaliation as provided in the Act.

Bidders are hereby placed on notice, a copy of its policy shall be provided to the Department upon request.

SAXI-93
effective 7-1-93
per Legal Dept.

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-12) (Revised 1-1-14)

SUPPLEMENTAL SPECIFICATIONS

CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

RECURRING SPECIAL PROVISIONS

CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted January 1, 2014

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

BDE SPECIAL PROVISIONS
For the April 25 and June 13, 2014 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
80240	1		Above Grade Inlet Protection	July 1, 2009	Jan. 1, 2012
80099	2		Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
80274	3	✔	Aggregate Subgrade Improvement	April 1, 2012	Jan. 1, 2013
80192	4	✔	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	5		Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2013
80241	6		Bridge Demolition Debris	July 1, 2009	
5026I	7		Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5048I	8		Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	9		Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5053I	10		Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80292	11		Coarse Aggregate in Bridge Approach Slabs/Footings	April 1, 2012	April 1, 2013
80310	12		Coated Galvanized Steel Conduit	Jan. 1, 2013	
80198	13		Completion Date (via calendar days)	April 1, 2008	
80199	14		Completion Date (via calendar days) Plus Working Days	April 1, 2008	
* 80293	15		Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	April 1, 2014
* 80294	16	✔	Concrete Box Culverts with Skews ≤ 30 Degrees Regardless of Design Fill and Skews > 30 Degrees with Design Fills > 5 Feet	April 1, 2012	April 1, 2014
80311	17		Concrete End Sections for Pipe Culverts	Jan. 1, 2013	
* 80334	18	✔	Concrete Gutter, Curb, Median, and Paved Ditch	April 1, 2014	
80277	19		Concrete Mix Design – Department Provided	Jan. 1, 2012	Jan. 1, 2014
80261	20		Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2014
* 80335	21		Contract Claims	April 1, 2014	
80029	22		Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Aug. 2, 2011
80265	23	✔	Friction Aggregate	Jan. 1, 2011	
80229	24		Fuel Cost Adjustment	April 1, 2009	July 1, 2009
80329	25		Glare Screen	Jan. 1, 2014	
80303	26	✔	Granular Materials	Nov. 1, 2012	
80304	27	✔	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Jan. 1, 2013
80246	28	✔	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2012
80322	29	✔	Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements	Nov. 1, 2013	
80323	30	✔	Hot-Mix Asphalt – Mixture Design Verification and Production	Nov. 1, 2013	
80315	31		Insertion Lining of Culverts	Jan. 1, 2013	Nov. 1, 2013
* 80336	32		Longitudinal Joint and Crack Patching	April 1, 2014	
* 80324	33	✔	LRFD Pipe Culvert Burial Tables	Nov. 1, 2013	April 1, 2014
80325	34	✔	LRFD Storm Sewer Burial Tables	Nov. 1, 2013	
80045	35		Material Transfer Device	June 15, 1999	Jan. 1, 2009
80165	36		Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
* 80337	37		Paved Shoulder Removal	April 1, 2014	
80330	38	✔	Pavement Marking for Bike Symbol	Jan. 1, 2014	
80298	39		Pavement Marking Tape Type IV	April 1, 2012	
80254	40		Pavement Patching	Jan. 1, 2010	
80331	41		Payrolls and Payroll Records	Jan. 1, 2014	
80332	42		Portland Cement Concrete – Curing of Abutments and Piers	Jan. 1, 2014	
80326	43	✔	Portland Cement Concrete Equipment	Nov. 1, 2013	
* 80338	44		Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	April 1, 2014	
80300	45		Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	

File Name	#		Special Provision Title	Effective	Revised
80328	46		Progress Payments	Nov. 2, 2013	
80281	47		Quality Control/Quality Assurance of Concrete Mixtures	Jan. 1, 2012	Jan. 1, 2014
3426I	48		Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	49		Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	50	✔	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	April 1, 2014
80327	51	✔	Reinforcement Bars	Nov. 1, 2013	
80283	52	✔	Removal and Disposal of Regulated Substances	Jan. 1, 2012	Nov. 2, 2012
80319	53	✔	Removal and Disposal of Surplus Materials	Nov. 2, 2012	
80307	54		Seeding	Nov. 1, 2012	
80339	55		Stabilized Subbase	April 1, 2014	
80127	56		Steel Cost Adjustment	April 2, 2004	April 1, 2009
80317	57		Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	
80301	58	✔	Tracking the Use of Pesticides	Aug. 1, 2012	
80333	59		Traffic Control Setup and Removal Freeway/Expressway	Jan. 1, 2014	
20338	60		Training Special Provisions	Oct. 15, 1975	
80318	61		Traversable Pipe Grate	Jan. 1, 2013	April 1, 2014
80288	62		Warm Mix Asphalt	Jan. 1, 2012	Nov. 1, 2013
80302	63		Weekly DBE Trucking Reports	June 2, 2012	
80289	64		Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071	65		Working Days	Jan. 1, 2002	

The following special provisions are in the 2014 Supplemental Specifications and Recurring Special Provisions:

File Name	Special Provision Title	New Location	Effective	Revised
80309	Anchor Bolts	Articles 1006.09, 1070.01, and 1070.03	Jan. 1, 2013	
80276	Bridge Relief Joint Sealer	Article 503.19 and Sections 588 and 589	Jan. 1, 2012	Aug. 1, 2012
80312	Drain Pipe, Tile, Drainage Mat, and Wall Drain	Article 101.01, 1040.03, and 1040.04	Jan. 1, 2013	
80313	Fabric Bearing Pads	Article 1082.01	Jan. 1, 2013	
80169	High Tension Cable Median Barrier	Section 644 and Article 1106.02	Jan. 1, 2007	Jan. 1, 2013
80320	Liquidated Damages	Article 108.09	April 1, 2013	
80297	Modified Urethane Pavement Marking	Section 780, Articles 1095.09 and 1105.04	April 1, 2012	
80253	Movable Traffic Barrier	Section 707 and Article 1106.02	Jan. 1, 2010	Jan. 1, 2013
80231	Pavement Marking Removal	Recurring CS #33	April 1, 2009	
80321	Pavement Removal	Article 440.07	April 1, 2013	
80022	Payments to Subcontractors	Article 109.11	June 1, 2000	Jan. 1, 2006
80316	Placing and Consolidating Concrete	Articles 503.06, 503.07, and 516.12	Jan. 1, 2013	
80278	Planting Woody Plants	Section 253 and Article 1081.01	Jan. 1, 2012	Aug. 1, 2012
80305	Polyurea Pavement Markings	Article 780.14	Nov. 1, 2012	Jan. 1, 2013
80279	Portland Cement Concrete	Sections 312, 503, 1003, 1004, 1019, and 1020	Jan. 1, 2012	Nov. 1, 2013
80218	Preventive Maintenance – Bituminous Surface Treatment	Recurring CS #34	Jan. 1, 2009	April 1, 2012
80219	Preventive Maintenance – Cape Seal	Recurring CS #35	Jan. 1, 2009	April 1, 2012
80220	Preventive Maintenance – Micro-Surfacing	Recurring CS #36	Jan. 1, 2009	April 1, 2012
80221	Preventive Maintenance – Slurry Seal	Recurring CS #37	Jan. 1, 2009	April 1, 2012

File Name	Special Provision Title	New Location	Effective	Revised
80224	Restoring Bridge Approach Pavements Using High-Density Foam	Recurring CS #39	Jan. 1, 2009	Jan. 1, 2012
80255	Stone Matrix Asphalt	Sections 406, 1003, 1004, 1030, and 1011	Jan. 1, 2010	Aug. 1, 2013
80143	Subcontractor Mobilization Payments	Article 109.12	April 2, 2005	April 1, 2011
80308	Synthetic Fibers in Concrete Gutter, Curb, Median and Paved Ditch	Articles 606.02 and 606.11	Nov. 1, 2012	
80286	Temporary Erosion and Sediment Control	Articles 280.04 and 280.08	Jan. 1, 2012	
80225	Temporary Raised Pavement Marker	Recurring CS #38	Jan. 1, 2009	
80256	Temporary Water Filled Barrier	Section 708 and Article 1106.02	Jan. 1, 2010	Jan. 1, 2013
80273	Traffic Control Deficiency Deduction	Article 105.03	Aug. 1, 2011	
80270	Utility Coordination and Conflicts	Articles 105.07, 107.19, 107.31, 107.37, 107.38, 107.39 and 107.40	April 1, 2011	Jan. 1, 2012

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

AGGREGATE SUBGRADE IMPROVEMENT (BDE)

Effective: April 1, 2012
Revised: January 1, 2013

Add the following Section to the Standard Specifications:

"SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement.

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.06
(b) Reclaimed Asphalt Pavement (RAP) (Notes 1, 2, and 3)	1031

Note 1. Crushed RAP, from either full depth or single lift removal, may be mechanically blended with aggregate gradations CS 01, CS 02, and RR 01 but shall not exceed 40 percent of the total product. The top size of the RAP shall be less than 4 in. (100 mm) and well graded.

Note 2. RAP having 100 percent passing the 1 1/2 in. (37.5 mm) sieve and being well graded, may be used as capping aggregate in the top 3 in. (75 mm) when aggregate gradations CS 01, CS 02, or RR 01 are used in lower lifts.

Note 3. The RAP used for aggregate subgrade improvement shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

303.03 Equipment. The vibratory machine shall be according to Article 1101.01, or as approved by the Engineer.

303.04 Soil Preparation. The stability of the soil shall be according to the Department's Subgrade Stability Manual for the aggregate thickness specified.

303.05 Placing Aggregate. The maximum nominal lift thickness of aggregate gradations CA 02, CA 06, or CA 10 shall be 12 in. (300 mm). The maximum nominal lift thickness of aggregate gradations CS 01, CS 02, and RR 01 shall be 24 in. (600 mm).

303.06 Capping Aggregate. The top surface of the aggregate subgrade shall consist of a minimum 3 in. (75 mm) of aggregate gradations CA 06 or CA 10. When the contract specifies that a granular subbase is to be placed on the aggregate subgrade improvement, the 3 in. (75 mm) of capping aggregate shall be the same gradation and may be placed with the underlying aggregate subgrade improvement material.

303.07 Compaction. All aggregate lifts shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.08 Finishing and Maintenance of Aggregate Subgrade Improvement. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.09 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.10 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) or ton (metric ton) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified."

Add the following to Section 1004 of the Standard Specifications:

"**1004.06 Coarse Aggregate for Aggregate Subgrade Improvement.** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.

(c) Gradation.

(1) The coarse aggregate gradation for total subgrade thickness less than or equal to 12 in. (300 mm) shall be CA 2, CA 6, CA 10, or CS 01.

The coarse aggregate gradation for total subgrade thickness more than 12 in. (300 mm) shall be CS 01, CS 02 or RR 01(see Article 1005.01(c)).

	COARSE AGGREGATE SUBGRADE GRADATIONS				
Grad No.	Sieve Size and Percent Passing				
	8"	6"	4"	2"	#4
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)				
Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm

CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 02		100	80 ± 10	25 ± 15	

(2) The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10."

80274

AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)

Effective: January 1, 2008

Description. This work shall consist of furnishing and operating automated flagger assistance devices (AFADs) as part of the work zone traffic control and protection for two-lane highways where two-way traffic is maintained over one lane of pavement. Use of these devices shall be at the option of the Contractor.

Equipment. AFADs shall be according to the FHWA memorandum, "MUTCD - Revised Interim Approval for the use of Automated Flagger Assistance Devices in Temporary Traffic Control Zones (IA-4R)", dated January 28, 2005. The devices shall be mounted on a trailer or a moveable cart and shall meet the requirements of NCHRP 350, Category 4.

The AFAD shall be the Stop/Slow type. This device uses remotely controlled "STOP" and "SLOW" signs to alternately control right-of-way.

Signs for the AFAD shall be according to Article 701.03 of the Standard Specifications and the MUTCD. The signs shall be 24 x 24 in. (600 x 600 mm) having an octagon shaped "STOP" sign on one side and a diamond shaped "SLOW" sign on the opposite side. The letters on the signs shall be 8 in. (200 mm) high. If the "STOP" sign has louvers, the full sign face shall be visible at a distance of 50 ft (15 m) and greater.

The signs shall be supplemented with one of the following types of lights.

(a) Flashing Lights. When flashing lights are used, white or red flashing lights shall be mounted within the "STOP" sign face and white or yellow flashing lights within the "SLOW" sign face.

(b) Stop and Warning Beacons. When beacons are used, a stop beacon shall be mounted 24 in. (600 mm) or less above the "STOP" sign face and a warning beacon mounted 24 in. (600 mm) or less above, below, or to the side of the "SLOW" sign face. As an option, a Type B warning light may be used in lieu of the warning beacon.

A "WAIT ON STOP" sign shall be placed on the right hand side of the roadway at a point where drivers are expected to stop. The sign shall be 24 x 30 in. (600 x 750 mm) with a black legend and border on a white background. The letters shall be at least 6 in. (150 mm) high.

This device may include a gate arm or mast arm that descends to a horizontal position when the "STOP" sign is displayed and rises to a vertical position when the "SLOW" sign is displayed. When included, the end of the arm shall reach at least to the center of the lane being controlled. The arm shall have alternating red and white retroreflective stripes, on both sides, sloping downward at 45 degrees toward the side on which traffic will pass. The stripes shall be 6 in. (150 mm) in width and at least 2 in. (50 mm) in height.

Flagging Requirements. Flaggers and flagging requirements shall be according to Article 701.13 of the Standard Specifications and the following.

AFADs shall be placed at each end of the traffic control, where a flagger is shown on the plans. The flaggers shall be able to view the face of the AFAD and approaching traffic during operation.

To stop traffic, the "STOP" sign shall be displayed, the corresponding lights/beacon shall flash, and when included, the gate arm shall descend to a horizontal position. To permit traffic to move, the "SLOW" sign shall be displayed, the corresponding lights/beacon shall flash, and when included, the gate arm shall rise to a vertical position.

If used at night, the AFAD location shall be illuminated according to Section 701 of the Standard Specifications.

When not in use, AFADs will be considered nonoperating equipment and shall be stored according to Article 701.11 of the Standard Specifications.

Basis of Payment. This work will not be paid for separately but shall be considered as included in the cost of the various traffic control items included in the contract.

80192

CONCRETE BOX CULVERTS WITH SKEWS ≤ 30 DEGREES REGARDLESS OF DESIGN FILL AND SKEWS > 30 DEGREES WITH DESIGN FILLS > 5 FEET (BDE)

Effective: April 1, 2012
Revised: April 1, 2014

Revise the second paragraph of Article 540.04 of the Standard Specifications to read:

"Unless otherwise noted on the plans, the Contractor shall have the option, when a cast-in-place concrete box culvert is specified, of constructing the box culvert using precast box culvert sections when the design cover is 6 in. (150 mm) minimum. The precast box culvert sections shall be designed for the same design cover shown on the plans for cast-in-place box culvert; shall be of equal or larger size opening, and shall satisfy the design requirements of ASTM C 1577."

80294

CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH (BDE)

Effective: April 1, 2014

Add the following to Article 606.02 of the Standard Specifications:

"(i) Polyurethane Joint Sealant ..... 1050.04"

Revise the fifth paragraph of Article 606.07 of the Standard Specifications to read:

"Transverse contraction and longitudinal construction joints shall be sealed according to Article 420.12, except transverse joints in concrete curb and gutter shall be sealed with polysulfide or polyurethane joint sealant."

Add the following to Section 1050 of the Standard Specifications:

"**1050.04 Polyurethane Joint Sealant.** The joint sealant shall be a polyurethane sealant, Type S, Grade NS, Class 25, Use T, according to ASTM C 920."

80334

FRICTION AGGREGATE (BDE)

Effective: January 1, 2011

Revise Article 1004.01(a)(4) of the Standard Specifications to read:

"(4) Crushed Stone. Crushed stone shall be the angular fragments resulting from crushing undisturbed, consolidated deposits of rock by mechanical means. Crushed stone shall be divided into the following, when specified.

a. Carbonate Crushed Stone. Carbonate crushed stone shall be either dolomite or limestone. Dolomite shall contain 11.0 percent or more magnesium oxide (MgO). Limestone shall contain less than 11.0 percent magnesium oxide (MgO).

b. Crystalline Crushed Stone. Crystalline crushed stone shall be either metamorphic or igneous stone, including but is not limited to, quartzite, granite, rhyolite and diabase."

Revise Article 1004.03(a) of the Standard Specifications to read:

"**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA All Other	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete

<table>
<tr><th>Use</th><th>Mixture</th><th>Aggregates Allowed</th></tr>
<tr><td>HMA
High ESAL
Low ESAL</td><td>Binder
IL-25.0, IL-19.0,
or IL-19.0L

SMA Binder</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Concrete[3/]</td></tr>
<tr><td>HMA
High ESAL
Low ESAL</td><td>C Surface and
Leveling Binder
IL-12.5,IL-9.5,
or IL-9.5L

SMA
Ndesign 50
Surface</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag[4/]
Crushed Concrete[3/]</td></tr>
<tr><td rowspan="4">HMA
High ESAL</td><td rowspan="4">D Surface and
Leveling Binder
IL-12.5 or
IL-9.5

SMA
Ndesign 50
Surface</td><td><u>Allowed Alone or in Combination:</u>
Crushed Gravel
Carbonate Crushed Stone (other than Limestone)[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)[5/]
Crushed Steel Slag[4/ 5/]
Crushed Concrete[3/]</td></tr>
<tr><td><u>Other Combinations Allowed:</u>
<table><tr><th>Up to...</th><th>With...</th></tr><tr><td>25% Limestone</td><td>Dolomite</td></tr><tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr><tr><td>75% Limestone</td><td>Crushed Slag (ACBF)[5/] or Crushed Sandstone</td></tr></table></td></tr>
</table>

Use	Mixture	Aggregates Allowed	
HMA High ESAL	E Surface IL-12.5 or IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination:</u> Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF)[5/] Crushed Steel Slag[5/] Crushed Concrete[3/] No Limestone.	
		<u>Other Combinations Allowed:</u>	
		Up to...	*With...*
		50% Dolomite[2/]	Any Mixture E aggregate
		75% Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF)[5/], Crushed Steel Slag[5/], or Crystalline Crushed Stone
		75% Crushed Gravel or Crushed Concrete[3/]	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF)[5/], or Crushed Steel Slag[5/]
HMA High ESAL	F Surface IL-12.5 or IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination:</u> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF)[5/] Crushed Steel Slag[5/] No Limestone.	
		<u>Other Combinations Allowed</u>:	
		Up to...	*With...*

Use	Mixture	Aggregates Allowed	
		50% Crushed Gravel, Crushed Concrete[3/], or Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF)[5/], Crushed Steel Slag[5/], or Crystalline Crushed Stone

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as leveling binder.
5/ When either slag is used, the blend percentages listed shall be by volume."

80265

GRANULAR MATERIALS (BDE)

Effective: November 1, 2012

Revise the title of Article 1003.04 of the Standard Specifications to read:

"**1003.04 Fine Aggregate for Bedding, Trench Backfill, Embankment, Porous Granular Backfill, Sand Backfill for Underdrains, and French Drains.**"

Revise Article 1003.04(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradations for granular embankment, granular backfill, bedding, and trench backfill for pipe culverts and storm sewers shall be FA 1, FA 2, or FA 6 through FA 21.

The fine aggregate gradation for porous granular embankment, porous granular backfill, french drains, and sand backfill for underdrains shall be FA 1, FA 2, or FA 20, except the percent passing the No. 200 (75 µm) sieve shall be 2±2."

Revise Article 1004.05(c) of the Standard Specifications to read:

"(c) Gradation. The coarse aggregate gradations shall be as follows.

Application	Gradation
Blotter	CA 15
Granular Embankment, Granular Backfill, Bedding, and Trench Backfill for Pipe Culverts and Storm Sewers	CA 6, CA 9, CA 10, CA 12, CA17, CA18, and CA 19
Porous Granular Embankment, Porous Granular Backfill, and French Drains	CA 7, CA 8, CA 11, CA 15, CA 16 and CA 18"

GROOVING FOR RECESSED PAVEMENT MARKINGS (BDE)

Effective: November 1, 2012
Revised: January 1, 2013

Description. This work shall consist of grooving the pavement surface in preparation for the application of recessed pavement markings.

Equipment. Equipment shall be according to the following.

(a) Pavement Marking Tape Installations: The grooving equipment shall have a free-floating saw blade cutting head equipped with gang-stacked diamond saw blades. The diamond saw blades shall be of uniform wear and shall produce a smooth textured surface. Any ridges in the groove shall have a maximum height of 15 mils (0.38 mm).

(b) Liquid Pavement Marking Installations: The grooving equipment shall be equipped with either a free-floating saw blade cutting head or a free-floating grinder cutting head configuration with diamond or carbide tipped cutters and shall produce an irregular textured surface.

CONSTRUCTION REQUIREMENTS

General. The Contractor shall supply the Engineer with a copy of the pavement marking material manufacturer's recommendations for constructing a groove.

Pavement Grooving Methods. The grooves for recessed pavement markings shall be constructed using the following methods.

(a) Wet Cutting Head Operation. When water is required or used to cool the cutting head, the groove shall be flushed with high pressure water immediately following the cut to avoid build up and hardening of slurry in the groove. The pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.

(b) Dry Cutting Head Operation. When used on HMA pavements, the groove shall be vacuumed or cleaned by blasting with high-pressure air to remove loose aggregate, debris, and dust generated during the cutting operation. When used on PCC pavements, the groove shall be flushed with high pressure water or shot blasted to remove any PCC particles that may have become destabilized during the grooving process. If high pressure water is used, the pavement surface shall be allowed to dry for a minimum of 24 hours prior to the final cleaning of the groove and application of the pavement marking material.

Pavement Grooving. Grooving shall not cause ravels, aggregate fractures, spalling or disturbance of the joints to the underlying surface of the pavement. Grooves shall be cut into

the pavement prior to the application of the pavement marking material. Grooves shall be cut such that the width is 1 in. (25 mm) greater than the width of the pavement marking line as specified on the plans. Grooves for letters and symbols shall be cut in a square or rectangular shape so that the entire marking will fit within the limits of the grooved area. The position of the edge of the grooves shall be a minimum of 4 in. (100 mm) from the edge of all longitudinal joints. The depth of the groove shall not be less than the manufacturer's recommendations for the pavement marking material specified, but shall be installed to a minimum depth of 110 mils (2.79 mm) and a maximum depth of 200 mils (5.08 mm) for pavement marking tapes and a minimum depth of 40 mils (1.02 mm) and a maximum depth of 80 mils (2.03 mm) for liquid markings. The cutting head shall be operated at the appropriate speed in order to prevent undulation of the cutting head and grooving at an inconsistent depth.

At the start of grooving operations, a 50 ft (16.7 m) test section shall be installed and depth measurements shall be made at 10 ft (3.3 m) intervals within the test section. The individual depth measurements shall be within the allowable ranges according to this Article. If it is determined the test section has not been grooved at the appropriate depth or texture, adjustments shall be made to the cutting head and another 50 ft (16.7 m) test section shall be installed and checked. This process shall continue until the test section meets the requirements of this Article.

For new HMA pavements, grooves shall not be installed within 14 days of the placement of the final course of pavement.

Final Cleaning. Immediately prior to the application of the pavement marking material or primer sealer, the groove shall be cleaned with high-pressure air blast.

Method of Measurement. This work will be measured for payment in place, in feet (meter) for the groove width specified.

Grooving for letter, numbers and symbols will be measured in square feet (square meters).

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for GROOVING FOR RECESSED PAVEMENT MARKING of the groove width specified, and per square foot (square meter) for GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS.

The following shall only apply when preformed plastic pavement markings are to be recessed:

Add the following paragraph after the first paragraph of Article 780.07 of the Standard Specifications.

"The markings shall be capable of being applied in a grooved slot on new and existing portland cement concrete and HMA surfaces, by means of a pressure-sensitive, precoated adhesive, or liquid contact cement which shall be applied at the time of installation. A primer sealer shall be applied with a roller and shall cover and seal the entire bottom of the groove.

The primer sealer shall be recommended by the manufacturer of the pavement marking material and shall be compatible with the material being used. The Contractor shall install the markings in the groove as soon as possible after the primer sealer cures according to the manufacturer's recommendations. The markings placed in the groove shall be rolled and tamped into the groove with a roller or tamper cart cut to fit the groove and loaded with or weighing at least 200 lb (90kg). Vehicle tires shall not be used for tamping. The Contractor shall roll and tamp the material with a minimum of 6 passes to prevent easy removal or peeling."

80304

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010
Revised: April 1, 2012

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-4.75	Ndesign = 50	93.0 – 97.4%	91.0%
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4%	90.0%

SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%
All Other	Ndesign = 30	93.0 - 97.4%	90.0%"

80246

HOT-MIX ASPHALT – MIXTURE DESIGN COMPOSITION AND VOLUMETRIC REQUIREMENTS (BDE)

Effective: November 1, 2013

Revise Article 406.14(b) of the Standard Specifications to read.

"(b) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was not produced within 2.0 to 6.0 percent air voids or within the individual control limits of the JMF, the mixture and test strip will not be paid for and the mixture shall be removed at the Contractor's expense. An additional test strip and mixture will be paid for in full, if produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF."

Revise Article 406.14(c) of the Standard Specifications to read.

"(c) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF, the mixture shall be removed. Removal will be paid in accordance to Article 109.04. This initial mixture and test strip will be paid for at the contract unit prices. The additional mixture will be paid for at the contract unit price, and any additional test strips will be paid for at one half the unit price of each test strip."

Revise Article 1030.04(a)(1) of the Standard Specifications to read.

"(1) High ESAL Mixtures. The Job Mix Formula (JMF) shall fall within the following limits.

High ESAL, MIXTURE COMPOSITION (% PASSING) [1/]										
Sieve Size	IL-25.0 mm		IL-19.0 mm		IL-12.5 mm		IL-9.5 mm		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)		100								
1 in. (25 mm)	90	100		100						
3/4 in. (19 mm)		90	82	100		100				
1/2 in. (12.5 mm)	45	75	50	85	90	100		100		100
3/8 in. (9.5 mm)						89	90	100		100
#4 (4.75 mm)	24	42 [2/]	24	50 [2/]	28	65	32	69	90	100
#8 (2.36 mm)	16	31	20	36	28	48 [3/]	32	52 [3/]	70	90
#16 (1.18 mm)	10	22	10	25	10	32	10	32	50	65
#50 (300 µm)	4	12	4	12	4	15	4	15	15	30
#100 (150 µm)	3	9	3	9	3	10	3	10	10	18
#200 (75 µm)	3	6	3	6	4	6	4	6	7	9

Ratio Dust/Asphalt Binder		1.0		1.0		1.0		1.0		1.0 /4

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 40 percent passing the #4 (4.75 mm) sieve for binder courses with Ndesign ≥ 90.

3/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign ≥ 90.

4/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer."

Delete Article 1030.04(a)(4) of the Standard Specifications.

Revise Article 1030.04(b)(1) of the Standard Specifications to read.

"(1) High ESAL Mixtures. The target value for the air voids of the HMA shall be 4.0 percent at the design number of gyrations. The VMA and VFA of the HMA design shall be based on the nominal maximum size of the aggregate in the mix, and shall conform to the following requirements.

VOLUMETRIC REQUIREMENTS High ESAL						
	Voids in the Mineral Aggregate (VMA), % minimum					Voids Filled with Asphalt Binder (VFA), %
Ndesign	IL-25.0	IL-19.0	IL-12.5	IL-9.5	IL-4.75 1/	
50	12.0	13.0	14.0	15.0	18.5	65 – 78 2/
70						65 - 75
90						
105						

1/ Maximum Draindown for IL-4.75 shall be 0.3 percent

2/ VFA for IL-4.75 shall be 76-83 percent"

Delete Article 1030.04(b)(4) of the Standard Specifications.

Revise the Control Limits Table in Article 1030.05(d)(4) of the Standard Specifications to read.

"CONTROL LIMITS

Parameter	High ESAL Low ESAL Individual Test	High ESAL Low ESAL Moving Avg. of 4	All Other Individual Test	IL-4.75 Individual Test	IL-4.75 Moving Avg. of 4
% Passing: 1/					
1/2 in. (12.5 mm)	± 6 %	± 4 %	± 15 %		
No. 4 (4.75 mm)	± 5 %	± 4 %	± 10 %		
No. 8 (2.36 mm)	± 5 %	± 3 %			
No. 16 (1.18 mm)				± 4 %	± 3 %
No. 30 (600 µm)	± 4 %	± 2.5 %			
Total Dust Content No. 200 (75 µm)	± 1.5 %	± 1.0 %	± 2.5 %	± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %	± 0.5 %	± 0.3 %	± 0.2 %
Voids	± 1.2 %	± 1.0 %	± 1.2 %	± 1.2 %	± 1.0 %
VMA	-0.7 % 2/	-0.5 % 2/		-0.7 % 2/	-0.5 % 2/

1/ Based on washed ignition oven

2/ Allowable limit below minimum design VMA requirement"

HOT-MIX ASPAHLT – MIXTURE DESIGN VERIFICATION AND PRODUCTION (BDE)

Effective: November 1, 2013

Description. This special provision provides the requirements for Hamburg Wheel and tensile strength testing for High ESAL, IL-4.75, and Stone Matrix Asphalt (SMA) hot-mix asphalt (HMA) mixes during mix design verification and production. This special provision also provides the plant requirements for hydrated lime addition systems used in the production of High ESAL, IL-4.75, and SMA mixes.

Mix Design Testing. Add the following to Article 1030.04 of the Standard Specifications:

"(d) Verification Testing. High ESAL, IL-4.75, and SMA mix designs submitted for verification will be tested to ensure that the resulting mix designs will pass the required criteria for the Hamburg Wheel Test (Illinois Modified AASHTO T 324) and the Tensile Strength Test (Illinois Modified AASHTO T 283). The Department will perform a verification test on gyratory specimens compacted by the Contractor. If the mix fails the Department's verification test, the Contractor shall make necessary changes to the mix and provide passing Hamburg Wheel and tensile strength test results from a private lab. The Department will verify the passing results.

All new and renewal mix designs shall meet the following requirements for verification testing.

(1) Hamburg Wheel Test Criteria. The maximum allowable rut depth shall be 0.5 in. (12.5 mm). The minimum number of wheel passes at the 0.5 in. (12.5 mm) rut depth criteria shall be based on the high temperature binder grade of the mix as specified in the mix requirements table of the plans.

Illinois Modified AASHTO T 324 Requirements [1/]

PG Grade	Number of Passes
PG 58-xx (or lower)	5,000
PG 64-xx	7,500
PG 70-xx	15,000
PG 76-xx (or higher)	20,000

1/ When produced at temperatures of 275 ± 5 °F (135 ± 3 °C) or less, loose Warm Mix Asphalt shall be oven aged at 270 ± 5 °F (132 ± 3 °C) for two hours prior to gyratory compaction of Hamburg Wheel specimens.

(2) Tensile Strength Criteria. The minimum allowable conditioned tensile strength shall be 415 kPa (60 psi) for non-polymer modified performance graded (PG) asphalt binder and 550 kPa (80 psi) for polymer modified PG asphalt binder. The maximum allowable unconditioned tensile strength shall be 1380 kPa (200 psi)."

Production Testing. Revise Article 1030.06(a) of the Standard Specifications to read:

"(a) High ESAL, IL-4.75 and SMA Mixtures. For each contract, a 300 ton (275 metric tons) test strip will be required at the beginning of HMA production for each mixture with a quantity of 3000 tons (2750 metric tons) or more according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures".

Before start-up, target values shall be determined by applying gradation correction factors to the JMF when applicable. These correction factors shall be determined from previous experience. The target values, when approved by the Engineer, shall be used to control HMA production. Plant settings and control charts shall be set according to target values.

Before constructing the test strip, target values shall be determined by applying gradation correction factors to the JMF when applicable. After any JMF adjustment, the JMF shall become the Adjusted Job Mix Formula (AJMF). Upon completion of the first acceptable test strip, the JMF shall become the AJMF regardless of whether or not the JMF has been adjusted. If an adjustment/plant change is made, the Engineer may require a new test strip to be constructed. If the HMA placed during the initial test strip is determined to be unacceptable to remain in place by the Engineer, it shall be removed and replaced.

The limitations between the JMF and AJMF are as follows.

Parameter	Adjustment
1/2 in. (12.5 mm)	± 5.0 %
No. 4 (4.75 mm)	± 4.0 %
No. 8 (2.36 mm)	± 3.0 %
No. 30 (600 μm)	*
No. 200 (75 μm)	*
Asphalt Binder Content	± 0.3 %

* In no case shall the target for the amount passing be greater than the JMF.

Any adjustments outside the above limitations will require a new mix design.

Mixture sampled to represent the test strip shall include additional material sufficient for the Department to conduct Hamburg Wheel testing according to Illinois Modified AASHTO T324 (approximately 60 lb (27 kg) total).

The Contractor shall immediately cease production upon notification by the Engineer of failing Hamburg Wheel test. All prior produced material may be paved out provided all other mixture criteria is being met. No additional mixture shall be produced until the Engineer receives passing Hamburg Wheel tests.

The Department may conduct additional Hamburg Wheel tests on production material as determined by the Engineer."

Revise the title of Article 1030.06(b) of the Standard Specifications to read:

"(b) Low ESAL and All Other Mixtures."

System for Hydrated Lime Addition. Revise the fourth sentence of the third paragraph of Article 1030.04(c) of the Standard Specifications to read:

"The method of application shall be according to Article 1102.01(a)(10)."

Replace the first three sentences of the second paragraph of Article 1102.01(a)(10) of the Standard Specifications to read:

"When hydrated lime is used as the anti-strip additive, a separate bin or tank and feeder system shall be provided to store and accurately proportion the lime onto the aggregate either as a slurry, as dry lime applied to damp aggregates, or as dry lime injected onto the hot aggregates prior to adding the liquid asphalt cement. If the hydrated lime is added either as a slurry or as dry lime on damp aggregates, the lime and aggregates shall be mixed by a power driven pugmill to provide a uniform coating of the lime prior to entering the dryer. If dry hydrated lime is added to the hot dry aggregates in a dryer-drum plant, the lime shall be added in such a manner that the lime will not become entrained into the air stream of the dryer-drum and that thorough dry mixing shall occur prior to the injection point of the liquid asphalt. When a batch plant is used, the hydrated lime shall be added to the mixture in the weigh hopper or as approved by the Engineer."

Basis of Payment. Replace the seventh paragraph of Article 406.14 of the Standard Specifications with the following:

"For mixes designed and verified under the Hamburg Wheel criteria, the cost of furnishing and introducing anti-stripping additives in the HMA will not be paid for separately, but shall be considered as included in the contract unit price of the HMA item involved.

If an anti-stripping additive is required for any other HMA mix, the cost of the additive will be paid for according to Article 109.04. The cost incurred in introducing the additive into the HMA will not be paid for separately, but shall be considered as included in the contract unit price of the HMA item involved.

No additional compensation will be awarded to the Contractor because of reduced production rates associated with the addition of the anti-stripping additive."

LRFD PIPE CULVERT BURIAL TABLES (BDE)

Effective: November 1, 2013
Revised: April 1, 2014

Revise Article 542.02 of the Standard Specifications to read as follows:

"

Item	Article/Section
(a) Corrugated Steel Pipe	1006.01
(b) Corrugated Steel Pipe Arch	1006.01
(c) Bituminous Coated Corrugated Steel Pipe	1006.01
(d) Bituminous Coated Corrugated Steel Pipe Arch	1006.01
(e) Zinc and Aramid Fiber Composite Coated Corrugated Steel Pipe	1006.01
(f) Aluminized Steel Type 2 Corrugated Pipe	1006.01
(g) Aluminized Steel Type 2 Corrugated Pipe Arch	1006.01
(h) Precoated Galvanized Corrugated Steel Pipe	1006.01
(i) Precoated Galvanized Corrugated Steel Pipe Arch	1006.01
(j) Corrugated Aluminum Alloy Pipe	1006.03
(k) Corrugated Aluminum Alloy Pipe Arch	1006.03
(l) Extra Strength Clay Pipe	1040.02
(m) Concrete Sewer, Storm Drain, and Culvert Pipe	1042
(n) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	1042
(o) Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe	1042
(p) Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe	1042
(q) Polyvinyl Chloride (PVC) Pipe	1040.03
(r) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior	1040.03
(s) Corrugated Polypropylene (CPP) pipe with smooth Interior	1040.07
(t) Corrugated Polyethylene (PE) Pipe with a Smooth Interior	1040.04
(u) Polyethylene (PE) Pipe with a Smooth Interior	1040.04
(v) Rubber Gaskets and Preformed Flexible Joint Sealants for Concrete Pipe	1056
(w) Mastic Joint Sealer for Pipe	1055
(x) External Sealing Band	1057
(y) Fine Aggregate (Note 1)	1003.04
(z) Coarse Aggregate (Note 2)	1004.05
(aa) Packaged Rapid Hardening Mortar or Concrete	1018
(bb) Nonshrink Grout	1024.02
(cc) Reinforcement Bars and Welded Wire Fabric	1006.10
(dd) Handling Hole Plugs	1042.16

Note 1. The fine aggregate shall be moist.

Note 2. The coarse aggregate shall be wet."

Revise the table for permitted materials in Article 542.03 of the Standard Specifications as follows:

"Class	Materials
A	Rigid Pipes: Extra Strength Clay Pipe Concrete Sewer Storm Drain and Culvert Pipe, Class 3 Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
C	Rigid Pipes: Extra Strength Clay Pipe Concrete Sewer Storm Drain and Culvert Pipe, Class 3 Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe Flexible Pipes: Aluminized Steel Type 2 Corrugated Pipe Aluminized Steel Type 2 Corrugated Pipe Arch Precoated Galvanized Corrugated Steel Pipe Precoated Galvanized Corrugated Steel Pipe Arch Corrugated Aluminum Alloy Pipe Corrugated Aluminum Alloy Pipe Arch Polyvinyl Chloride (PVC) Pipe Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polypropylene (CPP) Pipe with Smooth Interior
D	Rigid Pipes: Extra Strength Clay Pipe Concrete Sewer Storm Drain and Culvert Pipe, Class 3 Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe Flexible Pipes: Corrugated Steel Pipe Corrugated Steel Pipe Arch Bituminous Coated Corrugated Steel Pipe Bituminous Coated Corrugated Steel Pipe Arch Zinc and Aramid Fiber Composite Coated Corrugated Steel Pipe Aluminized Steel Type 2 Corrugated Pipe Aluminized Steel Type 2 Corrugated Pipe Arch Precoated Galvanized Corrugated Steel Pipe Precoated Galvanized Corrugated Steel Pipe Arch Corrugated Aluminum Alloy Pipe Corrugated Aluminum Alloy Pipe Arch Polyvinyl Chloride (PVC) Pipe Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior Corrugated Polyethylene (PE) Pipe with a Smooth Interior Polyethylene (PE) Pipe with a Smooth Interior" Corrugated Polypropylene (CPP) Pipe with Smooth Interior

Revise Articles 542.03(b) and (c) of the Standard Specifications to read:

"(b) Extra strength clay pipe will only be permitted for pipe culverts Type 1, for 10 in., 12 in., 42 in. and 48 in. (250 mm, 300 mm, 1050 mm and 1200 mm), Types 2, up to and including 48 in. (1200 mm), Type 3, up to and including 18 in. (450 mm), Type 4 up to and including 10 in. (250 mm), for all pipe classes.

(c) Concrete sewer, storm drain, and culvert pipe Class 3 will only be permitted for pipe culverts Type 1, up to and including 10 in (250 mm), Type 2, up to and including 30 in. (750 mm), Type 3, up to and including 15 in. (375 mm); Type 4, up to and including 10 in. (250 mm), for all pipe classes."

Replace the pipe tables in Article 542.03 of the Standard Specifications with the following:

"Table IA: Classes of Reinforced Concrete Pipe
for the Respective Diameters of Pipe and Fill Heights over the Top of the Pipe

Nominal Diameter in.	Type 1 Fill Height: 3' and less 1' min cover	Type 2 Fill Height: Greater than 3' not exceeding 10'	Type 3 Fill Height: Greater than 10' not exceeding 15'	Type 4 Fill Height: Greater than 15' not exceeding 20'	Type 5 Fill Height: Greater than 20' not exceeding 25'	Type 6 Fill Height: Greater than 25' not exceeding 30'	Type 7 Fill Height: Greater than 30' not exceeding 35'
12	IV	II	III	IV	IV	V	V
15	IV	II	III	IV	IV	V	V
18	IV	II	III	IV	IV	V	V
21	III	II	III	IV	IV	V	V
24	III	II	III	IV	IV	V	V
30	IV	II	III	IV	IV	V	V
36	III	II	III	IV	IV	V	V
42	II	II	III	IV	IV	V	V
48	II	II	III	IV	IV	V	V
54	II	II	III	IV	IV	V	V
60	II	II	III	IV	IV	V	V
66	II	II	III	IV	IV	V	V
72	II	II	III	IV	V	V	V
78	II	II	III	IV	2020	2370	2730
84	II	II	III	IV	2020	2380	2740
90	II	III	III	1680	2030	2390	2750
96	II	III	III	1690	2040	2400	2750
102	II	III	IV	1700	2050	2410	2760
108	II	III	1360	1710	2060	2410	2770

Notes:
A number indicates the D-Load for the diameter and depth of fill and that a special design is required.
Design assumptions; Water filled pipe, Type 2 bedding and Class C Walls

Table IA: Classes of Reinforced Concrete Pipe
for the Respective Diameters of Pipe and Fill Heights over the Top of the Pipe
(Metric)

Nominal Diameter mm	Type 1 Fill Height: 1 m and less 0.3 m min cover	Type 2 Fill Height: Greater than 1 m not exceeding 3 m	Type 3 Fill Height: Greater than 3 m not exceeding 4.5 m	Type 4 Fill Height: Greater than 4.5 m not exceeding 6 m	Type 5 Fill Height: Greater than 6 m not exceeding 7.5 m	Type 6 Fill Height: Greater than 7.5 m not exceeding 9 m	Type 7 Fill Height: Greater than 9 m not exceeding 10.5 m
300	IV	II	III	IV	IV	V	V
375	IV	II	III	IV	IV	V	V
450	IV	II	III	IV	IV	V	V
525	III	II	III	IV	IV	V	V
600	III	II	III	IV	IV	V	V
750	IV	II	III	IV	IV	V	V
900	III	II	III	IV	IV	V	V
1050	II	II	III	IV	IV	V	V
1200	II	II	III	IV	IV	V	V
1350	II	II	III	IV	IV	V	V
1500	II	II	III	IV	IV	V	V
1650	II	II	III	IV	IV	V	V
1800	II	II	III	IV	V	V	V
1950	II	II	III	IV	100	110	130
2100	II	II	III	IV	100	110	130
2250	II	III	III	80	100	110	130
2400	II	III	III	80	100	110	130
2550	II	III	IV	80	100	120	130
2700	II	III	70	80	100	120	130

Notes:
A number indicates the D-Load for the diameter and depth of fill and that a special design is required.
Design assumptions; Water filled pipe, Type 2 bedding and Class C Walls

TABLE IB: THICKNESS OF CORRUGATED STEEL PIPE
FOR THE RESPECTIVE DIAMETER OF PIPE AND FILL HEIGHTS OVER THE TOP OF THE PIPE FOR 2 2/3"x1/2", 3"x1" AND 5"x1" CORRUGATIONS

Nominal Diameter In.	Type 1			Type 2			Type 3			Type 4			Type 5			Type 6			Type 7		
	Fill Height: 3' and less 1' min. cover			Fill Height: Greater than 3' not exceeding 10'			Fill Height: Greater than 10' not exceeding 15'			Fill Height: Greater than 15' not exceeding 20'			Fill Height: Greater than 20' not exceeding 25'			Fill Height: Greater than 25' not exceeding 30'			Fill Height: Greater than 30' not exceeding 35'		
	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"	2 2/3" x 1/2"	3"x1"	5"x1"
12*	0.109			0.079			0.079			0.079			0.079			0.079			0.079		
15	0.109			0.079			0.079			0.079			0.079			0.109			0.109		
18	0.109			0.079			0.079			0.079			0.109			0.109			0.109		
21	0.109			0.079			0.079			0.079			0.109			0.109			0.109		
24	0.109			0.079			0.079			0.109			0.109			0.109			0.109		
30	0.109			0.079			0.109			0.109			0.109			0.109			0.109		
36	0.109E			0.079			0.109			0.109			0.109			0.109			0.138E		
42	0.109	0.109	0.109	0.079	0.079	0.079	0.109	0.079	0.109	0.109	0.079	0.109	0.109	0.109	0.109	0.109E	0.109	0.109	0.138E	0.109	0.109
48	0.109	0.109	0.109	0.109	0.079	0.079	0.109	0.079	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.138E	0.109	0.109	0.138E	0.109	0.109
54	0.109	0.109	0.109	0.109	0.079	0.109	0.109	0.079	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.138E	0.109	0.109	0.168E	0.138	0.138
60	0.109	0.109	0.109	0.109	0.079	0.109	0.109	0.079	0.109	0.109	0.109	0.109	0.138	0.109	0.109	0.138E	0.109	0.138	0.168E	0.138E	0.138E
66	0.138	0.109	0.109	0.138	0.079	0.109	0.138	0.109	0.109	0.138	0.109	0.109	0.138	0.109	0.109	0.138E	0.138	0.138	0.168E	0.138E	0.168E
72	0.138	0.109	0.109	0.138	0.079	0.109	0.138	0.109	0.109	0.138	0.109	0.109	0.138	0.109	0.138	0.168E	0.138E	0.138E	0.168E	0.138E	0.168E
78	0.168	0.109	0.109	0.168	0.079	0.109	0.168	0.109	0.109	0.168	0.109	0.109	0.168	0.138	0.138	0.168E	0.138E	0.138E	0.168E	0.168E	0.168E
84	0.168	0.109	0.138	0.168	0.079	0.109	0.168	0.109	0.109	0.168	0.109	0.109	0.168	0.138	0.138	0.168E	0.138E	0.168E	0.168E	0.168E	0.168E
90		0.138	0.138		0.079	0.109		0.109	0.109		0.109	0.138		0.138	0.138		0.168E	0.168E		0.168E	0.168E
96		0.138	0.138		0.109	0.109		0.109	0.109		0.138	0.138		0.138	0.168		0.168E	0.168E		0.168E	0.168E
102		0.138Z	0.138Z		0.109	0.109		0.109	0.109		0.138	0.138		0.138	0.168		0.168E	0.168E			
108		0.138Z	0.168Z		0.109	0.109		0.109	0.109		0.138	0.138		0.168	0.168		0.168E	0.168E			
114		0.138Z	0.168Z		0.109	0.109		0.109	0.109		0.138	0.168		0.168	0.168		0.168E	0.168E			
120		0.138Z	0.168Z		0.109	0.109		0.109	0.138		0.138	0.168		0.168	0.168						
126		0.168Z	0.168Z		0.138	0.138		0.138	0.138		0.138	0.168		0.168	0.168						
132		0.168Z	0.168Z		0.138	0.138		0.138	0.138		0.168	0.168		0.168	0.168						
138		0.168Z	0.168Z		0.138	0.138		0.138	0.138		0.168	0.168		0.168	0.168						
144		0.168Z	0.168Z		0.168	0.168		0.168	0.168		0.168	0.168									

Notes:
* 1 1/2" x 1/4" corrugations shall be use for 6", 8", and 10" diameters.
E Elongation according to Article 542.04(e), the elongation requirement for Type 1 fill heights may be eliminated for fills above 1'-6"
Z 1'-6" Minimum fill
Longitudinal seams assumed.

TABLE IB: THICKNESS OF CORRUGATED STEEL PIPE
FOR THE RESPECTIVE DIAMETER OF PIPE AND FILL HEIGHTS OVER THE TOP OF THE PIPE FOR 68 mm x 13 mm, 75 mm x 25 mm AND 125 mm x 25 mm CORRUGATIONS
(Metric)

Nominal Diameter mm	Type 1 Fill Height: 1 m and less 0.3 m min. cover			Type 2 Fill Height: Greater than 1 m not exceeding 3 m			Type 3 Fill Height: Greater than 3 m not exceeding 4.5 m			Type 4 Fill Height: Greater than 4.5 m not exceeding 6 m			Type 5 Fill Height: Greater than 6 m not exceeding 7.5 m			Type 6 Fill Height: Greater than 7.5 m not exceeding 9 m			Type 7 Fill Height: Greater than 9 m not exceeding 10.5 m		
	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm
300*	2.77			2.01			2.01			2.01			2.01			2.01			2.01		
375	2.77			2.01			2.01			2.01			2.01			2.77			2.77		
450	2.77			2.01			2.01			2.01			2.77			2.77			2.77		
525	2.77			2.01			2.01			2.01			2.77			2.77			2.77		
600	2.77			2.01			2.01			2.77			2.77			2.77			2.77		
750	2.77			2.01			2.77			2.77			2.77			2.77			2.77		
900	2.77E			2.01			2.77			2.77			2.77			2.77			3.51E		
1050	2.77	2.77	2.77	2.01	2.01	2.01	2.77	2.01	2.77	2.77	2.01	2.77	2.77	2.77	2.77	2.77E	2.77	2.77	3.51E	2.77	2.77
1200	2.77	2.77	2.77	2.77	2.01	2.01	2.77	2.01	2.77	2.77	2.77	2.77	2.77	2.77	2.77	3.51E	2.77	2.77	3.51E	2.77	2.77
1350	2.77	2.77	2.77	2.77	2.01	2.77	2.77	2.01	2.77	2.77	2.77	2.77	2.77	2.77	2.77	3.51E	2.77	2.77	4.27E	3.51	3.51
1500	2.77	2.77	2.77	2.77	2.01	2.77	2.77	2.01	2.77	2.77	2.77	2.77	3.51	2.77	2.77	3.51E	2.77	3.51	4.27E	3.51E	3.51E
1650	3.51	2.77	2.77	3.51	2.01	2.77	3.51	2.77	2.77	3.51	2.77	2.77	3.51	2.77	2.77	3.51E	3.51	3.51	4.27E	3.51E	4.27E
1800	3.51	2.77	2.77	3.51	2.01	2.77	3.51	2.77	2.77	3.51	2.77	2.77	3.51	2.77	3.51	4.27E	3.51E	3.51E	4.27E	3.51E	4.27E
1950	4.27	2.77	2.77	4.27	2.01	2.77	4.27	2.77	2.77	4.27	2.77	2.77	4.27	3.51	3.51	4.27E	3.51E	3.51E	4.27E	4.27E	4.27E
2100	4.27	2.77	3.51	4.27	2.01	2.77	4.27	2.77	2.77	4.27	2.77	2.77	4.27	3.51	3.51	4.27E	3.51E	4.27E	4.27E	4.27E	4.27E
2250		3.51	3.51		2.01	2.77		2.77	2.77		2.77	3.51		3.51	3.51		4.27E	4.27E		4.27E	4.27E
2400		3.51	3.51		2.77	2.77		2.77	2.77		3.51	3.51		3.51	4.27		4.27E	4.27E		4.27E	4.27E
2550		3.51Z	3.51Z		2.77	2.77		2.77	2.77		3.51	3.51		3.51	4.27		4.27E	4.27E			
2700		3.51Z	4.27Z		2.77	2.77		2.77	2.77		3.51	3.51		4.27	4.27		4.27E	4.27E			
2850		3.51Z	4.27Z		2.77	2.77		2.77	2.77		3.51	4.27		4.27	4.27		4.27E	4.27E			
3000		3.51Z	4.27Z		2.77	2.77		2.77	3.51		3.51	4.27		4.27	4.27						
3150		4.27Z	4.27Z		3.51	3.51		3.51	3.51		3.51	4.27		4.27	4.27						
3300		4.27Z	4.27Z		3.51	3.51		3.51	3.51		4.27	4.27		4.27	4.27						
3450		4.27Z	4.27Z		3.51	3.51		3.51	3.51		4.27	4.27		4.27	4.27						
3600		4.27Z	4.27Z		4.27	4.27		4.27	4.27		4.27	4.27									

Notes:
* 38 mm x 6.5 mm corrugations shall be use for 150 mm, 200 mm, and 250 mm diameters.
E Elongation according to Article 542.04(e), the elongation requirement for Type 1 fill heights may be eliminated for fills above 450 mm
Z 450 mm Minimum Fill
Longitudinal seams assumed.

TABLE IC: THICKNESS OF CORRUGATED ALUMINUM ALLOY PIPE
FOR THE RESPECTIVE DIAMETER OF PIPE AND FILL HEIGHTS OVER THE TOP OF THE PIPE FOR 2 2/3"x1/2" AND 3"x1" CORRUGATIONS

Nominal Diameter in.	Type 1 Fill Height: 3' and less 1' min. cover		Type 2 Fill Height: Greater than 3' not exceeding 10'		Type 3 Fill Height: Greater than 10' not exceeding 15'		Type 4 Fill Height: Greater than 15' not exceeding 20'		Type 5 Fill Height: Greater than 20' not exceeding 25'		Type 6 Fill Height: Greater than 25' not exceeding 30'		Type 7 Fill Height: Greater than 30' not exceeding 35'	
	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"	2 2/3"x1/2"	3"x1"
12	0.06		0.06		0.06		0.06		0.06		0.06		0.06	
15	0.06		0.06		0.06		0.06		0.06		0.06		0.06	
18	0.06		0.06		0.06		0.06		0.06		0.06		0.075	
21	0.075E		0.06		0.06		0.06		0.06		0.075		0.075E	
24	0.075E		0.06		0.06		0.06		0.06		0.075		0.075E	
30	0.105E		0.075		0.075		0.075		0.075		0.105E		0.105E	
36	0.105E		0.075		0.075		0.075		0.105		0.105E		0.105E	
42	0.105E	0.06	0.105	0.06	0.105	0.06	0.105	0.06	0.105	0.06	0.105E	0.105	0.105E	0.105E
48	0.105E	0.105	0.105	0.06	0.105	0.06	0.105	0.06	0.105	0.105	0.105E	0.105E	0.135E	0.135E
54	0.105E	0.105	0.105	0.06	0.105	0.06	0.105	0.105	0.105	0.105	0.105E	0.135E	0.135E	0.135E
60	0.135E	0.105	0.135	0.06	0.135	0.06	0.135	0.105	0.135	0.105	0.135E	0.135E	0.164E	0.135E
66	0.164E	0.105	0.164	0.06	0.164	0.06	0.164	0.105	0.164	0.135	0.164E	0.135E		0.135E
72	0.164E	0.135	0.164	0.06	0.164	0.105	0.164	0.105	0.164	0.135		0.135E		0.164E
78		0.135		0.075		0.105		0.135		0.135		0.135E		0.164E
84		0.135		0.105		0.105		0.135		0.135		0.164E		0.164E
90		0.135		0.105		0.105		0.135		0.135		0.164E		0.164E
96		0.135		0.105		0.105		0.135		0.164		0.164E		
102		0.135Z		0.135		0.135		0.135		0.164		0.164E		
108		0.135Z		0.135		0.135		0.135		0.164				
114		0.164Z		0.164		0.164		0.164		0.164				
120		0.164Z		0.164		0.164		0.164		0.164				

Notes:
E Elongation according to Article 542.04(e), the elongation requirement for Type 1 fill heights may be eliminated for fills above 1'-6"

TABLE IC: THICKNESS OF CORRUGATED ALUMINUM ALLOY PIPE
FOR THE RESPECTIVE DIAMETER OF PIPE AND FILL HEIGHTS OVER THE TOP OF THE PIPE FOR 2 2/3"x1/2" AND 3"x1" CORRUGATIONS
(Metric)

Nominal Diameter in.	Type 1 Fill Height: 1 m and less 0.3 m min. cover		Type 2 Fill Height: Greater than 1 m not exceeding 3 m		Type 3 Fill Height: Greater than 3 m not exceeding 4.5 m		Type 4 Fill Height: Greater than 4.5 m not exceeding 6 m		Type 5 Fill Height: Greater than 6 m not exceeding 7.5 m		Type 6 Fill Height: Greater than 7.5 m not exceeding 9 m		Type 7 Fill Height: Greater than 9 m not exceeding 10.5 m	
	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm
300	1.52		1.52		1.52		1.52		1.52		1.52		1.52	
375	1.52		1.52		1.52		1.52		1.52		1.52		1.52	
450	1.52		1.52		1.52		1.52		1.52		1.52		1.91	
525	1.91E		1.52		1.52		1.52		1.52		1.91		1.91E	
600	1.91E		1.52		1.52		1.52		1.52		1.91		1.91E	
750	2.67E		1.91		1.91		1.91		1.91		2.67E		2.67E	
900	2.67E		1.91		1.91		1.91		2.67		2.67E		2.67E	
1050	2.67E	1.52	2.67	1.52	2.67	1.52	2.67	1.52	2.67	1.52	2.67E	2.67	2.67E	2.67E
1200	2.67E	2.67	2.67	1.52	2.67	1.52	2.67	1.52	2.67	2.67	2.67E	2.67E	3.43E	3.43E
1350	2.67E	2.67	2.67	1.52	2.67	1.52	2.67	2.67	2.67	2.67	2.67E	3.43E	3.43E	3.43E
1500	3.43E	2.67	3.43	1.52	3.43	1.52	3.43	2.67	3.43	2.67	3.43E	3.43E	4.17E	3.43E
1650	4.17E	2.67	4.17	1.52	4.17	1.52	4.17	2.67	4.17	3.43	4.17E	3.43E		3.43E
1800	4.17E	3.43	4.17	1.52	4.17	2.67	4.17	2.67	4.17	3.43		3.43E		4.17E
1950		3.43		1.91		2.67		3.43		3.43		3.43E		4.17E
2100		3.43		2.67		2.67		3.43		3.43		4.17E		4.17E
2250		3.43		2.67		2.67		3.43		3.43		4.17E		4.17E
2400		3.43		2.67		2.67		3.43		4.17		4.17E		
2550		3.43Z		3.43		3.43		3.43		4.17		4.17E		
2700		3.43Z		3.43		3.43		3.43		4.17				
2850		4.17Z		4.17		4.17		4.17		4.17				
3000		4.17Z		4.17		4.17		4.17		4.17				

Notes:
E Elongation according to Article 542.04(e), the elongation requirement for Type 1 fill heights may be eliminated for fills above 450 mm.

Table IIA: THICKNESS FOR CORRUGATED STEEL PIPE ARCHES AND CORRUGATED ALUMINUM ALLOY PIPE ARCHES FOR THE RESPECTIVE EQUIVALENT ROUND SIZE OF PIPE AND FILL HEIGHTS OVER THE TOP OF PIPE

Equivalent Round Size in.	Corrugated Steel & Aluminum Pipe Arch 2 2/3" x 1/2"		Corrugated Steel & Aluminum Pipe Arch 3" x 1"		Corrugated Steel Pipe Arch 5" x 1"		Min. Cover	Type 1					Type 2					Type 3				
								Fill Height: 3' and less					Fill Height: Greater than 3' not exceeding 10'					Fill Height: Greater than 10' not exceeding 15'				
	Span (in.)	Rise (in.)	Span (in.)	Rise (in.)	Span (in.)	Rise (in.)	Steel & Aluminum	Steel			Aluminum		Steel			Aluminum		Steel			Aluminum	
								2 2/3" x 1/2"	3"x1"	5" x 1"	2 2/3" x 1/2"	3"x1"	2 2/3" x 1/2"	3"x1"	5" x 1"	2 2/3" x 1/2"	3"x1"	2 2/3" x 1/2"	3"x1"	5" x 1"	2 2/3" x 1/2"	3"x1"
15	17	13					1'-6"	0.079			0.060		0.079			0.060		0.079			0.060	
18	21	15					1'-6"	0.109			0.060		0.079			0.060		0.079			0.060	
21	24	18					1'-6"	0.109			0.060		0.079			0.060		0.079			0.060	
24	28	20					1'-6"	0.109			0.075		0.079			0.075		0.079			0.075	
30	35	24					1'-6"	0.109			0.075		0.079			0.075		0.109			0.075	
36	42	29					1'-6"	0.109			0.105		0.079			0.105		0.109			0.105	
42	49	33					1'-6"	0.109			0.105		0.109			0.105		0.109			0.105	
48	57	38	53	41	53	41	1'-6"	0.109	0.079	0.109	0.135	0.060	0.109	0.079	0.109	0.135	0.060	0.109	0.079	0.109	0.135	0.060
54	64	43	60	46	60	46	1'-6"	0.109	0.109	0.109	0.135	0.060	0.109	0.079	0.109	0.135	0.060	0.109	0.079	0.109	0.135	0.060
60	71	47	66	51	66	51	1'-6"	0.138	0.109	0.109	0.164	0.060	0.138	0.079	0.109	0.164	0.060	0.138	0.109	0.109	0.164	0.060
66	77	52	73	55	73	55	1'-6"	0.168	0.109	0.109		0.105	0.168	0.079	0.109		0.075	0.168	0.109	0.109		0.105
72	83	57	81	59	81	59	1'-6"	0.168	0.109	0.109		0.105	0.168	0.079	0.109		0.105	0.168	0.109	0.109		0.105
78			87	63	87	63	1'-6"		0.109	0.109		0.105		0.079	0.109		0.105		0.109	0.109		0.105
84			95	67	95	67	1'-6"		0.109	0.109		0.105		0.109	0.109		0.105		0.109	0.109		0.105
90			103	71	103	71	1'-6"		0.109	0.109		0.135		0.109	0.109		0.135		0.109	0.109		0.135
96			112	75	112	75	1'-6"		0.109	0.109		0.164		0.109	0.109		0.164		0.109	0.109		0.164
102			117	79	117	79	1'-6"		0.109	0.109		0.164		0.109	0.109		0.164		0.109	0.109		0.164
108			128	83	128	83	1'-6"		0.138	0.138				0.138	0.138				0.138	0.138		
114			137	87	137	87	1'-6"		0.138	0.138				0.138	0.138				0.138	0.138		
120			142	91	142	91	1'-6"		0.168	0.168				0.168	0.168				0.168	0.168		

Notes:
The Type 1 corrugated steel or aluminum pipe arches shall be placed on soil having a minimum bearing capacity of 3 tons per square foot.
The Type 2 and 3 corrugated steel or aluminum pipe arches shall be placed on soil having a minimum bearing capacity of 2 tons per square foot.
This minimum bearing capacity will be determined by the Engineer in the field.

Table IIA: THICKNESS FOR CORRUGATED STEEL PIPE ARCHES AND CORRUGATED ALUMINUM ALLOY PIPE ARCHES
FOR THE RESPECTIVE EQUIVALENT ROUND SIZE OF PIPE AND FILL HEIGHTS OVER THE TOP OF PIPE
(Metric)

Equivalent Round Size (mm)	Corrugated Steel & Aluminum Pipe Arch 68 x 13 mm		Corrugated Steel & Aluminum Pipe Arch 75 x 25 mm		Corrugated Steel Pipe Arch 125 x 25 mm		Min. Cover	Type 1 Fill Height: 1 m and less					Type 2 Fill Height: Greater than 1 m not exceeding 3 m					Type 3 Fill Height: Greater than 3 m not exceeding 4.5 m				
	Span (mm)	Rise (mm)	Span (mm)	Rise (mm)	Span (mm)	Rise (mm)	Steel & Aluminum	Steel			Aluminum		Steel			Aluminum		Steel			Aluminum	
								68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm	68 x 13 mm	75 x 25 mm	125 x 25 mm	68 x 13 mm	75 x 25 mm
375	430	330					0.5 m	2.01			1.52		2.01			1.52		2.01			1.52	
450	530	380					0.5 m	2.77			1.52		2.01			1.52		2.01			1.52	
525	610	460					0.5 m	2.77			1.52		2.01			1.52		2.01			1.52	
600	710	510					0.5 m	2.77			1.91		2.01			1.91		2.01			1.91	
750	870	630					0.5 m	2.77			1.91		2.01			1.91		2.77			1.91	
900	1060	740					0.5 m	2.77			2.67		2.01			2.67		2.77			2.67	
1050	1240	840					0.5 m	2.77			2.67		2.77			2.67		2.77			2.67	
1200	1440	970	1340	1050	1340	1050	0.5 m	2.77	2.01	2.77	3.43	1.52	2.77	2.01	2.77	3.43	1.52	2.77	2.01	2.77	3.43	1.52
1350	1620	1100	1520	1170	1520	1170	0.5 m	2.77	2.77	2.77	3.43	1.52	2.77	2.01	2.77	3.43	1.52	2.77	2.01	2.77	3.43	1.52
1500	1800	1200	1670	1300	1670	1300	0.5 m	3.51	2.77	2.77	4.17	1.52	3.51	2.01	2.77	4.17	1.52	3.51	2.77	2.77	4.17	1.52
1650	1950	1320	1850	1400	1850	1400	0.5 m	4.27	2.77	2.77		2.67	4.27	2.01	2.77		1.91	4.27	2.77	2.77		2.67
1800	2100	1450	2050	1500	2050	1500	0.5 m	4.27	2.77	2.77		2.67	4.27	2.01	2.77		2.67	4.27	2.77	2.77		2.67
1950			2200	1620	2200	1620	0.5 m		2.77	2.77		2.67		2.01	2.77		2.67		2.77	2.77		2.67
2100			2400	1720	2400	1720	0.5 m		2.77	2.77		2.67		2.77	2.77		2.67		2.77	2.77		2.67
2250			2600	1820	2600	1820	0.5 m		2.77	2.77		3.43		2.77	2.77		3.43		2.77	2.77		3.43
2400			2840	1920	2840	1920	0.5 m		2.77	2.77		4.17		2.77	2.77		4.17		2.77	2.77		4.17
2550			2970	2020	2970	2020	0.5 m		2.77	2.77		4.17		2.77	2.77		4.17		2.77	2.77		4.17
2700			3240	2120	3240	2120	0.5 m		3.51	3.51				3.51	3.51				3.51	3.51		
2850			3470	2220	3470	2220	0.5 m		3.51	3.51				3.51	3.51				3.51	3.51		
3000			3600	2320	3600	2320	0.5 m		4.27	4.27				4.27	4.27				4.27	4.27		

Notes:
The Type 1 corrugated steel or aluminum pipe arches shall be placed on soil having a minimum bearing capacity of 290 kN per square meter.
The Type 2 and 3 corrugated steel or aluminum pipe arches shall be placed on soil having a minimum bearing capacity of 192 kN per square meter.
This minimum bearing capacity will be determined by the Engineer in the field.

Table IIB: CLASSES OF REINFORCED CONCRETE ELLIPTICALL AND REINFORCED CONCRETE ARCH PIPE FOR THE RESPECTIVE EQUIVALENT ROUND SIZE OF PIPE AND FILL HEIGHTS OVER THE TOP OF PIPE											
Equivalent Round Size (in.)	Reinforced Concrete Elliptical pipe (in.)		Reinforced Concrete Arch pipe (in.)		Minimum Cover	Type 1 Fill Height: 3' and less		Type 2 Fill Height: Greater than 3' not exceeding 10'		Type 3 Fill Height: Greater than 10' not exceeding 15'	
	Span	Rise	Span	Rise	RCCP HE & A	HE	Arch	HE	Arch	HE	Arch
15	23	14	18	11	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
18	23	14	22	13 1/2	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
21	30	19	26	15 1/2	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
24	30	19	28 1/2	18	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
27	34	22	36 1/4	22 1/2	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
30	38	24	36 1/4	22 1/2	1' -0"	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
36	45	29	43 3/4	26 5/8	1' -0"	HE-II	A-II	HE-III	A-III	HE-IV	A-IV
42	53	34	51 1/8	31 5/16	1' -0"	HE-I	A-II	HE-III	A-III	HE-IV	A-IV
48	60	38	58 1/2	36	1' -0"	HE-I	A-II	HE-III	A-III	1460	1450
54	68	43	65	40	1' -0"	HE-I	A-II	HE-III	A-III	1460	1460
60	76	48	73	45	1' -0"	HE-I	A-II	HE-III	A-III	1460	1470
66	83	53	88	54	1' -0"	HE-I	A-II	HE-III	A-III	1470	1480
72	91	58	88	54	1' -0"	HE-I	A-II	HE-III	A-III	1470	1480

Notes:
A number indicates the D-Load for the diameter and depth of fill and that a special design is required.
Design assumptions; Water filled pipe, AASHTO Type 2 installation per AASHTO LRFD Table 12.10.2.1-1

Table IIB: CLASSES OF REINFORCED CONCRETE ELLIPTICALL AND REINFORCED CONCRETE ARCH PIPE FOR THE RESPECTIVE EQUIVALENT ROUND SIZE OF PIPE AND FILL HEIGHTS OVER THE TOP OF PIPE
(Metric)

Equivalent Round Size (mm)	Reinforced Concrete Elliptical pipe (mm)		Reinforced Concrete Arch pipe (mm)		Minimum Cover	Type 1		Type 2		Type 3	
						Fill Height: 1 m and less		Fill Height: Greater than 1 m not exceeding 3 m		Fill Height: Greater than 3 m not exceeding 4.5 m	
	Span	Rise	Span	Rise	RCCP HE & A	HE	Arch	HE	Arch	HE	Arch
375	584	356	457	279	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
450	584	356	559	343	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
525	762	483	660	394	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
600	762	483	724	457	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
686	864	559	921	572	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
750	965	610	921	572	0.3 m	HE-III	A-III	HE-III	A-III	HE-IV	A-IV
900	1143	737	1111	676	0.3 m	HE-II	A-II	HE-III	A-III	HE-IV	A-IV
1050	1346	864	1299	795	0.3 m	HE-I	A-II	HE-III	A-III	HE-IV	A-IV
1200	1524	965	1486	914	0.3 m	HE-I	A-II	HE-III	A-III	70	70
1350	1727	1092	1651	1016	0.3 m	HE-I	A-II	HE-III	A-III	70	70
1500	1930	1219	1854	1143	0.3 m	HE-I	A-II	HE-III	A-III	70	70
1676	2108	1346	2235	1372	0.3 m	HE-I	A-II	HE-III	A-III	70	70
1800	2311	1473	2235	1372	0.3 m	HE-I	A-II	HE-III	A-III	70	70

Notes:
A number indicates the D-Load for the diameter and depth of fill and that a special design is required.
Design assumptions; Water filled pipe, AASHTO Type 2 installation per AASHTO LRFD Table 12.10.2.1-1

TABLE IIIA: PLASTIC PIPE PERMITTED
FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE

Nominal Diameter (in.)	Type 1 Fill Height: 3' and less, with 1' min					Type 2 Fill Height: Greater than 3', not exceeding 10'					Type 3 Fill Height: Greater than 10', not exceeding 15'					Type 4 Fill Height: Greater than 15', not exceeding 20'			
	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPP
10	X	X	X	X	NA	X	X	X	X	NA	X	X	X	X	NA	X	X	X	NA
12	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
15	X	X	NA	X	X	X	X	NA	X	X	X	X	NA	NA	X	X	X	NA	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
21	X	X	NA	NA	NA	X	X	NA	NA	NA	X	X	NA	NA	NA	X	X	NA	NA
24	X	X	X	X	X	X	X	X	X	X	X	X	NA	NA	NA	X	X	X	NA
30	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
36	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA	NA	X	X	X	NA
42	X	NA	X	X	NA	X	NA	X	NA	NA	X	NA	X	NA	NA	X	NA	X	NA
48	X	NA	X	X	X	X	NA	X	NA	NA	X	NA	X	NA	NA	X	NA	X	NA

Notes:
PVC Polyvinyl Chloride (PVC) pipe with a smooth interior
CPVC Corrugated Polyvinyl Chloride (CPVC) pipe with a smooth interior
PE Polyethylene (PE) pipe with a smooth interior
CPE Corrugated Polyethylene (PE) pipe with a smooth interior
CPP Corrugated Polypropylene (CPP) pipe with a smooth interior
X This material may be used for the given pipe diameter and fill height
NA Not Available

TABLE IIIA: PLASTIC PIPE PERMITTED
FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE
(Metric)

Nominal Diameter (mm)	Type 1 Fill Height: 1 m and less, with 0.3 m min. cover					Type 2 Fill Height: Greater than 1 m, not exceeding 3 m					Type 3 Fill Height: Greater than 3 m, not exceeding 4.5 m					Type 4 Fill Height: Greater than 4.5 m, not exceeding 6 m			
	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPE	CPP	PVC	CPVC	PE	CPP
250	X	X	X	X	NA	X	X	X	X	NA	X	X	X	X	NA	X	X	X	NA
300	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
375	X	X	NA	X	X	X	X	NA	X	X	X	X	NA	NA	X	X	X	NA	X
450	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
525	X	X	NA	NA	NA	X	X	NA	NA	NA	X	X	NA	NA	NA	X	X	NA	NA
600	X	X	X	X	X	X	X	X	X	X	X	X	NA	NA	NA	X	X	X	NA
750	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA
900	X	X	X	X	X	X	X	X	NA	X	X	X	X	NA	NA	X	X	X	NA
1000	X	NA	X	X	NA	X	NA	X	NA	NA	X	NA	X	NA	NA	X	NA	X	NA
1200	X	NA	X	X	X	X	NA	X	NA	NA	X	NA	X	NA	NA	X	NA	X	NA

Notes:

PVC Polyvinyl Chloride (PVC) pipe with a smooth interior
CPVC Corrugated Polyvinyl Chloride (CPVC) pipe with a smooth interior
PE Polyethylene (PE) pipe with a smooth interior
CPE Corrugated Polyethylene (PE) pipe with a smooth interior
CPP Corrugated Polypropylene (CPP) pipe with a smooth interior
X This material may be used for the given pipe diameter and fill height
NA Not Available

TABLE IIIB: PLASTIC PIPE PERMITTED FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE								
Nominal Diameter (in.)	Type 5			Type 6			Type 7	
	Fill Height: Greater than 20', not exceeding 25'			Fill Height: Greater than 25', not exceeding 30'			Fill Height: Greater than 30', not exceeding 35'	
	PVC	CPVC		PVC	CPVC		CPVC	
10	X	X		X	X		X	
12	X	X		X	X		X	
15	X	X		X	X		X	
18	X	X		X	X		X	
21	X	X		X	X		X	
24	X	X		X	X		X	
30	X	X		X	X		X	
36	X	X		X	X		X	
42	X	NA		X	NA		NA	
48	X	NA		X	NA		NA	

Notes:
PVC Polyvinyl Chloride (PVC) pipe with a smooth interior
CPVC Corrugated Polyvinyl Chloride (CPVC) pipe with a smooth interior
X This material may be used for the given pipe diameter and fill height
NA Not Available

TABLE IIIB: PLASTIC PIPE PERMITTED
FOR A GIVEN PIPE DIAMETER AND FILL HEIGHT OVER THE TOP OF THE PIPE
(metric)

Nominal Diameter (mm)	Type 5			Type 6			Type 7	
	Fill Height: Greater than 6 m, not exceeding 7.5 m			Fill Height: Greater than 7.5 m, not exceeding 9 m			Fill Height: Greater than 9 m, not exceeding 10.5 m	
	PVC	CPVC		PVC	CPVC		CPVC	
250	X	X		X	X		X	
300	X	X		X	X		X	
375	X	X		X	X		X	
450	X	X		X	X		X	
525	X	X		X	X		X	
600	X	X		X	X		X	
750	X	X		X	X		X	
900	X	X		X	X		X	
1000	X	NA		X	NA		NA	
1200	X	NA		X	NA		NA	

Notes:

PVC	Polyvinyl Chloride (PVC) pipe with a smooth interior
CPVC	Corrugated Polyvinyl Chloride (CPVC) pipe with a smooth interior
PE	Polyethylene (PE) pipe with a smooth interior
X	This material may be used for the given pipe diameter and fill height
NA	Not Available"

Revise the first sentence of the first paragraph of Article 542.04(c) of the Standard Specifications to read:

"Compacted aggregate, at least 4 in. (100 mm) in depth below the pipe culvert, shall be placed the entire width of the trench and for the length of the pipe culvert, except compacted impervious material shall be used for the outer 3 ft (1 m) at each end of the pipe culvert."

Revise the seventh paragraph of Article 542.04(d) of the Standard Specifications to read:

"PVC, PE and CPP pipes shall be joined according to the manufacturer's specifications."

Replace the third sentence of the first paragraph of Article 542.04(h) of the Standard Specifications with the following:

"The total cover required for various construction loadings shall be the responsibility of the Contractor."

Delete "Table IV : Wheel Loads and Total Cover" in Article 542.04(h) of the Standard Specifications.

Revise the first and second paragraphs of Article 542.04(i) of the Standard Specifications to read:

"(i) Deflection Testing for Pipe Culverts. All PE, PVC and CPP pipe culverts shall be tested for deflection not less than 30 days after the pipe is installed and the backfill compacted. The testing shall be performed in the presence of the Engineer.

For PVC, PE, and CPP pipe culverts with diameters 24 in. (600 mm) or smaller, a mandrel drag shall be used for deflection testing. For PVC, PE, and CPP pipe culverts with diameters over 24 in. (600 mm), deflection measurements other than by a mandrel shall be used."

Revise Articles 542.04(i)(1) and (2) of the Standard Specifications to read:

"(1) For all PVC pipe: as defined using ASTM D 3034 methodology.

(2) For all PE and CPP pipe: the average inside diameter based on the minimum and maximum tolerances specified in the corresponding ASTM or AASHTO material specifications."

Revise the second sentence of the second paragraph of Article 542.07 of the Standard Specifications to read:

"When a prefabricated end section is used, it shall be of the same material as the pipe culvert, except for polyethylene (PE), polyvinylchloride (PVC), and polypropylene (PP) pipes which shall have metal end sections."

Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:

"**1040.03 Polyvinyl Chloride (PVC) Pipe.** Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements."

Delete Articles 1040.03(e) and (f) of the Standard Specifications.

Revise Articles 1040.04(c) and (d) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe for Insertion Lining. The pipe shall be according to ASTM F 894. When used for insertion lining of pipe culverts, the pipe liner shall have a minimum pipe stiffness of 46 psi (317 kPa) at five percent deflection for nominal inside diameters of 42 in. (1050 mm) or less. For nominal inside diameters of greater than 42 in. (1050 mm), the pipe liner shall have a minimum pipe stiffness of 32.5 psi (225 kPa) at five percent deflection. All sizes shall have wall construction that presents essentially smooth internal and external surfaces.

(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties and the resin used to manufacture the pipe meets or exceeds the minimum cell classification requirements."

Add the following to Section 1040 of the Standard Specifications:

"**1040.08 Polypropylene (PP) Pipe.** Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements.

(a) Corrugated PP Pipe with a Smooth Interior. The pipe shall be according to AAHSTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type S or D.

(b) Perforated Corrugated PP Pipe with A Smooth Interior. The pipe shall be according to AASHTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be

Type SP. In addition, the top centerline of the pipe shall be marked so that it is readily visible from the top of the trench before backfilling, and the upper ends of the slot perforations shall be a minimum of ten degrees below the horizontal."

80324

LRFD STORM SEWER BURIAL TABLES (BDE)

Effective: November 1, 2013

Revise Article 550.02 of the Standard Specifications to read as follows:

"

Item	Article Section
(a) Clay Sewer Pipe	1040.02
(b) Extra Strength Clay Pipe	1040.02
(c) Concrete Sewer, Storm Drain, and Culvert Pipe	1042
(d) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	1042
(e) Reinforced Concrete Elliptical Culvert, Storm Drain,and Sewer Pipe (Note 1)	1042
(f) Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Note 1)	1042
(g) Polyvinyl Chloride (PVC) Pipe	1040.03
(h) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior	1040.03
(i) Corrugated Polypropylene (CPP) Pipe with Smooth Interior	1040.07
(j) Rubber Gaskets and Preformed Flexible Joint Sealants for Concrete Pipe	1056
(k) Mastic Joint Sealer for Pipe	1055
(l) External Sealing Band	1057
(m) Fine Aggregate (Note 2)	1003.04
(n) Coarse Aggregate (Note 3)	1004.05
(o) Reinforcement Bars and Welded Wire Fabric	1006.10
(p) Handling Hole Plugs	1042.16
(q) Polyethylene (PE) Pipe with a Smooth Interior	1040.04
(r) Corrugated Polyethylene (PE) Pipe with a Smooth Interior	1040.04

Note 1. The class of elliptical and arch pipe used for various storm sewer sizes and heights of fill shall conform to the requirements for circular pipe.

Note 2. The fine aggregate shall be moist.

Note 3. The coarse aggregate shall be wet."

Revise the table for permitted materials in Article 550.03 of the Standard Specifications as follows:

"Class	**Materials**
A	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
B	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe Flexible Pipes: Polyvinyl Chloride (PVC) Pipe Corrugated Polyvinyl Chloride Pipe (PVC) with a Smooth Interior Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polypropylene (CPP) Pipe with a Smooth Interior"

Replace the storm sewers tables in Article 550.03 of the Standard Specifications with the following:

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 1 — Fill Height: 3' and less With 1' minimum cover								Type 2 — Fill Height: Greater than 3' not exceeding 10'							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
10	NA	3	X	X	X	X	X	NA	NA	1	*X	X	X	X	X	NA
12	IV	NA	X	X	X	X	X	X	II	1	*X	X	X	X	X	X
15	IV	NA	NA	X	X	NA	X	X	II	1	*X	X	X	NA	X	X
18	IV	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
21	III	NA	NA	X	X	NA	NA	NA	II	2	X	X	X	NA	NA	NA
24	III	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
27	III	NA	NA	NA	NA	NA	NA	NA	II	3	X	NA	NA	NA	NA	NA
30	IV	NA	NA	X	X	X	X	X	II	3	X	X	X	X	X	X
33	III	NA	NA	NA	NA	NA	NA	NA	II	NA	X	NA	NA	NA	NA	NA
36	III	NA	NA	X	X	X	X	X	II	NA	X	X	X	X	NA	X
42	II	NA	X	X	NA	X	X	NA	II	NA	X	X	NA	X	NA	NA
48	II	NA	X	X	NA	X	X	X	II	NA	X	X	NA	X	NA	NA
54	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
60	II	NA	NA	NA	NA	NA	NA	X	II	NA	NA	NA	NA	NA	NA	X
66	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
72	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
78	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
84	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
90	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
96	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
102	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
108	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior

X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe

STORM SEWERS (Metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 1 — Fill Height: 1 m' and less With 300 mm minimum cover								Type 2 — Fill Height: Greater than 1 m not exceeding 3 m							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
250	NA	3	X	X	X	X	X	NA	NA	1	*X	X	X	X	X	NA
300	IV	NA	X	X	X	X	X	X	II	1	*X	X	X	X	X	X
375	IV	NA	NA	X	X	NA	X	X	II	1	*X	X	X	NA	X	X
450	IV	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
525	III	NA	NA	X	X	NA	NA	NA	II	2	X	X	X	NA	NA	NA
600	III	NA	NA	X	X	X	X	X	II	2	X	X	X	X	X	X
675	III	NA	NA	NA	NA	NA	NA	NA	II	3	X	NA	NA	NA	NA	NA
750	IV	NA	NA	X	X	X	X	X	II	3	X	X	X	X	X	X
825	III	NA	NA	NA	NA	NA	NA	NA	II	NA	X	NA	NA	NA	NA	NA
900	III	NA	NA	X	X	X	X	X	II	NA	X	X	X	X	NA	X
1050	II	NA	X	X	NA	X	X	NA	II	NA	X	X	NA	X	NA	NA
1200	II	NA	X	X	NA	X	X	X	II	NA	X	X	NA	X	NA	NA
1350	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1500	II	NA	NA	NA	NA	NA	NA	X	II	NA	NA	NA	NA	NA	NA	X
1650	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1800	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
1950	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
2100	II	NA	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA
2250	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
2400	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
2550	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA
2700	II	NA	NA	NA	NA	NA	NA	NA	III	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 3 Fill Height: Greater than 10' not exceeding 15'								Type 4 Fill Height: Greater than 15' not exceeding 20'						
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
10	NA	2	X	X	X	X	X	NA	NA	3	X	X	X	X	NA
12	III	2	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
15	III	3	X	X	X	NA	NA	X	IV	NA	NA	X	X	NA	X
18	III	NA	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
21	III	NA	NA	X	X	NA	NA	NA	IV	NA	NA	X	X	NA	NA
24	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
27	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
30	III	NA	NA	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
33	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
36	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
42	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
48	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
54	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
60	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
66	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
72	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
78	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
84	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
90	III	NA	NA	NA	NA	NA	NA	NA	1680	NA	NA	NA	NA	NA	NA
96	III	NA	NA	NA	NA	NA	NA	NA	1690	NA	NA	NA	NA	NA	NA
102	IV	NA	NA	NA	NA	NA	NA	NA	1700	NA	NA	NA	NA	NA	NA
108	1360	NA	NA	NA	NA	NA	NA	NA	1710	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth linterior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 3								Type 4						
	Fill Height: Greater than 3 m not exceeding 4.5 m								Fill Height: Greater than 4.5 m not exceeding 6 m						
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
250	NA	2	X	X	X	X	X	NA	NA	3	X	X	X	X	NA
300	III	2	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
375	III	3	X	X	X	NA	NA	X	IV	NA	NA	X	X	NA	X
450	III	NA	X	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
525	III	NA	NA	X	X	NA	NA	NA	IV	NA	NA	X	X	NA	NA
600	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
675	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
750	III	NA	NA	X	X	X	NA	X	IV	NA	NA	X	X	X	NA
825	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
900	III	NA	NA	X	X	X	NA	NA	IV	NA	NA	X	X	X	NA
1050	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
1200	III	NA	NA	X	NA	X	NA	NA	IV	NA	NA	X	NA	X	NA
1350	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1500	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1650	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1800	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
1950	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
2100	III	NA	NA	NA	NA	NA	NA	NA	IV	NA	NA	NA	NA	NA	NA
2250	III	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2400	III	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2550	IV	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA
2700	70	NA	NA	NA	NA	NA	NA	NA	80	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

STORM SEWERS KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE								
Nominal Diameter in.	Type 5 Fill Height: Greater than 20' not exceeding 25'			Type 6 Fill Height: Greater than 25' not exceeding 30'			Type 7 Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC	RCCP	PVC	CPVC	RCCP	CPVC
10	NA	X	X	NA	X	X	NA	X
12	IV	X	X	V	X	X	V	X
15	IV	X	X	V	X	X	V	X
18	IV	X	X	V	X	X	V	X
21	IV	X	X	V	X	X	V	X
24	IV	X	X	V	X	X	V	X
27	IV	NA	NA	V	NA	NA	V	NA
30	IV	X	X	V	X	X	V	X
33	IV	NA	NA	V	NA	NA	V	NA
36	IV	X	X	V	X	X	V	X
42	IV	X	NA	V	X	NA	V	NA
48	IV	X	NA	V	X	NA	V	NA
54	IV	NA	NA	V	NA	NA	V	NA
60	IV	NA	NA	V	NA	NA	V	NA
66	IV	NA	NA	V	NA	NA	V	NA
72	V	NA	NA	V	NA	NA	V	NA
78	2020	NA	NA	2370	NA	NA	2730	NA
84	2020	NA	NA	2380	NA	NA	2740	NA
90	2030	NA	NA	2390	NA	NA	2750	NA
96	2040	NA	NA	2400	NA	NA	2750	NA
102	2050	NA	NA	2410	NA	NA	2760	NA
108	2060	NA	NA	2410	NA	NA	2770	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

Nominal Diameter in.	Type 5 Fill Height: Greater than 20' not exceeding 25'			Type 6 Fill Height: Greater than 25' not exceeding 30'			Type 7 Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC	RCCP	PVC	CPVC	RCCP	CPVC
250	NA	X	X	NA	X	X	NA	X
300	IV	X	X	V	X	X	V	X
375	IV	X	X	V	X	X	V	X
450	IV	X	X	V	X	X	V	X
525	IV	X	X	V	X	X	V	X
600	IV	X	X	V	X	X	V	X
675	IV	NA	NA	V	NA	NA	V	NA
750	IV	X	X	V	X	X	V	X
825	IV	NA	NA	V	NA	NA	V	NA
900	IV	X	X	V	X	X	V	X
1050	IV	X	NA	V	X	NA	V	NA
1200	IV	X	NA	V	X	NA	V	NA
1350	IV	NA	NA	V	NA	NA	V	NA
1500	IV	NA	NA	V	NA	NA	V	NA
1650	IV	NA	NA	V	NA	NA	V	NA
1800	V	NA	NA	V	NA	NA	V	NA
1950	100	NA	NA	110	NA	NA	130	NA
2100	100	NA	NA	110	NA	NA	130	NA
2250	100	NA	NA	110	NA	NA	130	NA
2400	100	NA	NA	120	NA	NA	130	NA
2550	100	NA	NA	120	NA	NA	130	NA
2700	100	NA	NA	120	NA	NA	130	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

Revise the sixth paragraph of Article 550.06 of the Standard Specifications to read:

"PVC, PE and CPP pipes shall be joined according to the manufacturer's specifications."

Revise the first and second paragraphs of Article 550.08 of the Standard Specifications to read:

"**550.08 Deflection Testing for Storm Sewers.** All PVC, PE, and CPP storm sewers shall be tested for deflection not less than 30 days after the pipe is installed and the backfill compacted. The testing shall be performed in the presence of the Engineer.

For PVC, PE, and CPP storm sewers with diameters 24 in. (600 mm) or smaller, a mandrel drag shall be used for deflection testing. For PVC, PE, and CPP storm sewers with diameters over 24 in. (600 mm), deflection measurements other than by a mandrel shall be used."

Revise the fifth paragraph of Article 550.08 to read as follows.

"The outside diameter of the mandrel shall be 95 percent of the base inside diameter. For all PVC pipe the base inside diameter shall be defined using ASTM D 3034 methodology. For all PE and CPP pipe, the base inside diameter shall be defined as the average inside diameter based on the minimum and maximum tolerances specified in the corresponding ASTM or AASHTO material specifications."

Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:

"**1040.03 Polyvinyl Chloride (PVC) Pipe.** Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements."

Delete Articles 1040.03(e) and (f) of the Standard Specifications.

Revise Articles 1040.04(c) and (d) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe for Insertion Lining. The pipe shall be according to ASTM F 894. When used for insertion lining of pipe culverts, the pipe liner shall have a minimum pipe stiffness of 46 psi (317 kPa) at five percent deflection for nominal inside diameters of 42 in. (1050 mm) or less. For nominal inside diameters of greater than 42 in. (1050 mm), the pipe liner shall have a minimum pipe stiffness of 32.5 psi (225 kPa) at five percent deflection. All sizes shall have wall construction that presents essentially smooth internal and external surfaces.

(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written

certification that the material meets those properties and the resin used to manufacture the pipe meets or exceeds the minimum cell classification requirements."

Add the following to Section 1040 of the Standard Specifications:

"**1040.08 Polypropylene (PP) Pipe.** Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements.

(a) Corrugated PP Pipe with a Smooth Interior. The pipe shall be according to AAHSTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type S or D.

(b) Perforated Corrugated PP Pipe with A Smooth Interior. The pipe shall be according to AASHTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type SP. In addition, the top centerline of the pipe shall be marked so that it is readily visible from the top of the trench before backfilling, and the upper ends of the slot perforations shall be a minimum of ten degrees below the horizontal."

80325

PAVEMENT MARKING FOR BIKE SYMBOL (BDE)

Effective: January 1, 2014

Add the following to the SYMBOLS table in Article 780.14 of the Standard Specifications:

"Symbol	Large Size sq ft (sq m)	Small Size Sq ft (sq m)
Bike Symbol	6.0 (0.56)	--"

80330

PORTLAND CEMENT CONCRETE EQUIPMENT (BDE)

Effective: November 1, 2013

Add the following to the first paragraph of Article 1103.03(a)(5) of the Standard Specifications to read:

"As an alternative to a locking key, the start and finish time for mixing may be automatically printed on the batch ticket. The start and finish time shall be reported to the nearest second."

80326

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (BDE)

Effective: November 1, 2012
Revise: April 1, 2014

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

(b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

(1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District provide documentation on the quality of the RAP to clarify the appropriate stockpile.

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100% of FRAP Shall Pass
IL-25.0	2 in. (50 mm)
IL-19.0	1 1/2 in. (40 mm)
IL-12.5	1 in. (25 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

(2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogenous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.

(4) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, HMA (High or Low ESAL), or "All Other" (as defined by Article 1030.04(a)(3)) mixtures. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag.

(5) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

(b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise specified by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. RAP/FRAP and RAS testing shall be according to the following.

(a) RAP/FRAP Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) RAS Testing. RAS or RAS blended with manufactured sand shall be sampled and tested during stockpiling according to Illinois Department of Transportation Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Source".

Samples shall be collected during stockpiling at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS or RAS blended with manufactured sand shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each sample shall be split to obtain two test samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall perform a washed extraction and test for unacceptable materials on the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

If the sampling and testing was performed at the shingle processing facility in accordance with the QC Plan, the Contractor shall obtain and make available all of the test results from start of the initial stockpile.

1031.04 Evaluation of Tests. Evaluation of tests results shall be according to the following.

(a) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable G_{mm}. Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous /Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 µm)	± 5 %	
No. 200 (75 µm)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % 1/	± 0.5 %
G_{mm}	± 0.03	

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the

RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

(b) Evaluation of RAS and RAS Blended with Manufactured Sand Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4 %
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, or if the percent unacceptable material exceeds 0.5 percent by weight of material retained on the # 4 (4.75 mm) sieve, the RAS or RAS blend shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

1031.05 Quality Designation of Aggregate in RAP/FRAP.

(a) RAP. The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Superpave/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) RAP from Class I, Superpave/HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

1031.06 Use of RAP/FRAP and/or RAS in HMA. The use of RAP/FRAP and/or RAS shall be a Contractor's option when constructing HMA in all contracts.

(a) RAP/FRAP. The use of RAP/FRAP in HMA shall be as follows.

(1) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

(2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.

(3) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.

(5) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, conglomerate, or conglomerate DQ.

(6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in Article 1031.06(c)(1) below for a given N Design.

(b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.

(c) RAP/FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with RAP or FRAP in HMA mixtures up to a maximum of 5.0% by weight of the total mix.

(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP/RAS ABR table listed below for the given Ndesign.

RAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures [1/, 2/]	RAP/RAS Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10
105	10	10	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP/RAS ABR exceeds 25 percent (i.e. 26 percent RAP/RAS ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP/RAS table listed below for the given N design.

FRAP/RAS Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	FRAP/RAS Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified [3/, 4/]
30	50	40	10

50	40	35	10
70	40	30	10
90	40	30	10
105	40	30	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.

2/ When FRAP/RAS ABR exceeds 20 percent for all mixes the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP/RAS ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the FRAP/RAS ABR shall not exceed 20 percent.

4/ For IL-4.75 mix the FRAP/RAS ABR shall not exceed 30 percent.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

(a) RAP/FRAP and/or RAS. RAP/FRAP and/or RAS mix designs shall be submitted for verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

(b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

1031.08 HMA Production. HMA production utilizing RAP/FRAP and/or RAS shall be as follows.

(a) RAP/FRAP. The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

(b) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

(c) RAP/FRAP and/or RAS. HMA plants utilizing RAP/FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

d. Accumulated dry weight of RAP/FRAP/RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

d. Mineral filler weight to the nearest pound (kilogram).

e. RAP/FRAP/RAS weight to the nearest pound (kilogram).

f. Virgin asphalt binder weight to the nearest pound (kilogram).

g. Residual asphalt binder in the RAP/FRAP/RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.09 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders Type B shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used to construct aggregate surface course and aggregate shoulders shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

(b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

80306

REINFORCEMENT BARS (BDE)

Effective: November 1, 2013

Revise the first and second paragraphs of Article 508.05 of the Standard Specifications to read:

"**508.05 Placing and Securing.** All reinforcement bars shall be placed and tied securely at the locations and in the configuration shown on the plans prior to the placement of concrete. Manual welding of reinforcement may only be permitted or precast concrete products as indicated in the current Bureau of Materials and Physical Research Policy Memorandum "Quality Control / Quality Assurance Program for Precast Concrete Products", and for precast prestressed concrete products as indicated in the Department's current "Manual for Fabrication of Precast Prestressed Concrete Products". Reinforcement bars shall not be placed by sticking or floating into place or immediately after placement of the concrete.

Bars shall be tied at all intersections, except where the center to center dimension is less than 1 ft (300 mm) in each direction, in which case alternate intersections shall be tied. Molded plastic clips may be used in lieu of wire to secure bar intersections, but shall not be permitted in horizontal bar mats subject to construction foot traffic or to secure longitudinal bar laps. Plastic clips shall adequately secure the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. Plastic clips may be recycled plastic, and shall meet the approval of the Engineer. The number of ties as specified shall be doubled for lap splices at the stage construction line of concrete bridge decks when traffic is allowed on the first completed stage during the pouring of the second stage."

Revise the fifth paragraph of Article 508.05 of the Standard Specifications to read:

"Supports for reinforcement in bridge decks shall be metal. For all other concrete construction the supports shall be metal or plastic. Metal bar supports shall be made of cold-drawn wire, or other approved material and shall be either epoxy coated, galvanized or plastic tipped. When the reinforcement bars are epoxy coated, the metal supports shall be epoxy coated. Plastic supports may be recycled plastic. Supports shall be provided in sufficient number and spaced to provide the required clearances. Supports shall adequately support the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. The legs of supports shall be spaced to allow an opening that is a minimum 1.33 times the nominal maximum aggregate size used in the concrete. Nominal maximum aggregate size is defined as the largest sieve which retains any of the aggregate sample particles. All supports shall meet the approval of the Engineer."

Revise the first sentence of the eighth paragraph of Article 508.05 of the Standard Specifications to read:

"Epoxy coated reinforcement bars shall be tied with plastic coated wire, epoxy coated wire, or molded plastic clips where allowed."

Add the following sentence to the end of the first paragraph of Article 508.06(c) of the Standard Specifications:

"In addition, the total slip of the bars within the splice sleeve of the connector after loading in tension to 30 ksi (207 MPa) and relaxing to 3 ksi (20.7 MPa) shall not exceed 0.01 in. (254 microns)."

Revise Article 1042.03(d) of the Standard Specifications to read:

"(d) Reinforcement and Accessories: The concrete cover over all reinforcement shall be within ±1/4 in. (±6 mm) of the specified cover.

Welded wire fabric shall be accurately bent and tied in place.

Miscellaneous accessories to be cast into the concrete or for forming holes and recesses shall be carefully located and rigidly held in place by bolts, clamps, or other effective means. If paper tubes are used for vertical dowel holes, or other vertical holes which require grouting, they shall be removed before transportation to the construction site."

80327

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2012
Revised: November 2, 2012

Revise Article 669.01 of the Standard Specifications to read:

"**669.01 Description.** This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities."

Revise Article 669.08 of the Standard Specifications to read:

"**669.08 Contaminated Soil and/or Groundwater Monitoring.** The Contractor shall hire a qualified environmental firm to monitor the area containing the regulated substances. The affected area shall be monitored with a photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID). Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. No excavated soils can be taken to a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation with detectable PID or FID meter readings that are above background. The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily. All testing shall be done by a qualified engineer/technician. Such testing and monitoring shall be included in the work. The Contractor shall identify the exact limits of removal of non-special waste, special waste, or hazardous waste. All limits shall be approved by the Engineer prior to excavation. The Contractor shall take all necessary precautions.

Based upon the land use history of the subject property and/or PID or FID readings indicating contamination, a soil or groundwater sample shall be taken from the same location and submitted to an approved laboratory. Soil or groundwater samples shall be analyzed for the contaminants of concern, including pH, based on the property's land use history or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. The analytical results shall serve to document the level of soil contamination. Soil and groundwater samples may be required at the discretion of the Engineer to verify the level of soil and groundwater contamination.

Samples shall be grab samples (not combined with other locations). The samples shall be taken with decontaminated or disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, location and elevation, and any other observations.

The laboratory shall use analytical methods which are able to meet the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846 and "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective."

Replace the first two paragraphs of Article 669.09 of the Standard Specifications with the following:

"**669.09 Contaminated Soil and/or Groundwater Management and Disposal.** The management and disposal of contaminated soil and/or groundwater shall be according to the following:

(a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:

(1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. Such soil excavated for storm sewers can be placed back into the excavated trench as backfill, when suitable, unless trench backfill is specified. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(5) When the Engineer determines soil cannot be managed according to Articles 669.09(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.

(b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC but the pH of the soil is less than 6.25 or greater than 9.0, the excavated soil can be utilized within the construction limits or managed and disposed of off-site as "uncontaminated soil" according to Article 202.03. However the excavated soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation.

(c) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste.

All groundwater encountered within lateral trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer."

Revise Article 669.14 of the Standard Specifications to read:

"**669.14 Final Environmental Construction Report.** At the end of the project, the Contractor will prepare and submit three copies of the Environmental Construction Report on the activities conducted during the life of the project, one copy shall be submitted to the Resident Engineer, one copy shall be submitted to the District's Environmental Studies Unit, and one copy shall be submitted with an electronic copy in Adode.pdf format to the Geologic

and Waste Assessment Unit, Bureau of Design and Environment, IDOT, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The technical report shall include all pertinent information regarding the project including, but not limited to:

(a) Measures taken to identify, monitor, handle, and dispose of soil or groundwater containing regulated substances, to prevent further migration of regulated substances, and to protect workers,

(b) Cost of identifying, monitoring, handling, and disposing of soil or groundwater containing regulated substances, the cost of preventing further migration of regulated substances, and the cost for worker protection from the regulated substances. All cost should be in the format of the contract pay items listed in the contract plans (identified by the preliminary environmental site investigation (PESA) site number),

(c) Plan sheets showing the areas containing the regulated substances,

(d) Field sampling and testing results used to identify the nature and extent of the regulated substances,

(e) Waste manifests (identified by the preliminary environmental site investigation (PESA) site number) for special or hazardous waste disposal, and

(f) Landfill tickets (identified by the preliminary environmental site investigation (PESA) site number) for non-special waste disposal."

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

"The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL."

80283

REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE)

Effective: November 2, 2012

Revise the first four paragraphs of Article 202.03 of the Standard Specifications to read:

"**202.03 Removal and Disposal of Surplus, Unstable, Unsuitable, and Organic Materials.** Suitable excavated materials shall not be wasted without permission of the Engineer. The Contractor shall dispose of all surplus, unstable, unsuitable, and organic materials, in such a manner that public or private property will not be damaged or endangered.

Suitable earth, stones and boulders naturally occurring within the right-of-way may be placed in fills or embankments in lifts and compacted according to Section 205. Broken concrete without protruding metal bars, bricks, rock, stone, reclaimed asphalt pavement with no expansive aggregate, or uncontaminated dirt and sand generated from construction or demolition activities may be used in embankment or in fill. If used in fills or embankments, these materials shall be placed and compacted to the satisfaction of the Engineer; shall be buried under a minimum of 2 ft (600 mm) of earth cover (except when the materials include only uncontaminated dirt); and shall not create an unsightly appearance or detract from the natural topographic features of an area. Broken concrete without protruding metal bars, bricks, rock, or stone may be used as riprap as approved by the Engineer. If the materials are used for fill in locations within the right-of-way but outside project construction limits, the Contractor must specify to the Engineer, in writing, how the landscape restoration of the fill areas will be accomplished. Placement of fill in such areas shall not commence until the Contractor's landscape restoration plan is approved by the Engineer.

Aside from the materials listed above, all other construction and demolition debris or waste shall be disposed of in a licensed landfill, recycled, reused, or otherwise disposed of as allowed by State or Federal laws and regulations. When the Contractor chooses to dispose of uncontaminated soil at a clean construction and demolition debris (CCDD) facility or at an uncontaminated soil fill operation, it shall be the Contractor's responsibility to have the pH of the material tested to ensure the value is between 6.25 and 9.0, inclusive. A copy of the pH test results shall be provided to the Engineer.

A permit shall be obtained from IEPA and made available to the Engineer prior to open burning of organic materials (i.e., plant refuse resulting from pruning or removal of trees or shrubs) or other construction or demolition debris. Organic materials originating within the right-of-way limits may be chipped or shredded and placed as mulch around landscape plantings within the right-of-way when approved by the Engineer. Chipped or shredded material to be placed as mulch shall not exceed a depth of 6 in. (150 mm)."

TRACKING THE USE OF PESTICIDES (BDE)

Effective: August 1, 2012

Add the following paragraph after the first paragraph of Article 107.23 of the Standard Specifications:

"Within 48 hours of the application of pesticides, including but not limited to herbicides, insecticides, algaecides, and fungicides, the Contractor shall complete and return to the Engineer, Operations form "OPER 2720"."

80301

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION FOR BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

Effective: January 1, 2001
Revised: January 1, 2014

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 102.01 of the Standard Specifications with the following:

"Prequalification of Bidders. When prequalification is required and the Awarding Authority for contract construction work is the County Board of a County, the Council, the City Council, or the President and Board of Trustees of a city, village, or town, each prospective bidder, in evidence of competence, shall furnish the Awarding Authority as a prerequisite to the release of proposal forms by the Awarding Authority, a certified or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, according to the Department's "Prequalification Manual".

The two low bidders must file, within 24 hours after the letting, a sworn affidavit in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work, using the blank form made available for this affidavit. One copy shall be filed with the Awarding Authority and two copies with IDOT's District office.

Issuance of Proposal Forms. The Awarding Authority reserves the right to refuse to issue a proposal form for bidding purposes for any of the following reasons:

(a) Lack of competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.
(b) Uncompleted work which, in the judgment of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
(c) False information provided on a bidder's "Affidavit of Availability".
(d) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of proposal forms.
(e) Failure to comply with any prequalification regulations of the Department.
(f) Default under previous contracts.
(g) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
(h) When the Contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.
(i) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.

(j) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

Interpretation of Quantities in the Bid Schedule. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased, or omitted as hereinafter provided.

Examination of Plans, Specifications, Special Provisions, and Site of Work. The bidder shall, before submitting a bid, carefully examine the provisions of the contract. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the contract and fully acquaint themselves with the detailed requirements of construction. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all requirements for the performance of the work. If his/her bid is accepted, the bidder shall be responsible for all errors in the proposal resulting from his/her failure or neglect to comply with these instructions. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the proposal and advertised contract. Any prospective bidder, who desires an explanation or interpretation of the plans, specification, or any of the contract documents, shall request such in writing from the Awarding Authority, in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the contract documents, plans, and specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations, or instructions given before the submission of bids unless at a prebid conference will not be binding on the Awarding Authority.

Preparation of the Proposal. Bidders shall submit their proposals on the form furnished by the Awarding Authority. The proposal shall be executed properly, and bids shall be made for all items indicated in the proposal form, except when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate in figures, a unit price for each of the separate items called for in the proposal form; the bidder shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the proposal form shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written in ink.

If the proposal is made by an individual, that individual's name and business address shall be shown. If made by a firm or partnership, the name and business address of each member of the firm or partnership shall be shown. If made by a corporation, the proposal shall show the names, titles, and business addresses of the president, corporate secretary and treasurer. The proposal shall be signed by president or someone with authority to execute contracts and attested by the corporate secretary or someone with authority to execute or attest to the execution of contracts.

When prequalification is required, the proposal form shall be submitted by an authorized bidder in the same name and style as shown on the "Contractor's Statement of Experience and Financial Condition" used for prequalification.

Rejection of Proposals. The Awarding Authority reserves the right to reject any proposal for any of the conditions in "Issuance of Proposal Forms" or for any of the following reasons:

(a) More than one proposal for the same work from an individual, firm, partnership, or corporation under the same name or different names.
(b) Evidence of collusion among bidders.
(c) Unbalanced proposals in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.
(d) If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items or lump sum pay items.
(e) If the proposal form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
(f) If there are omissions, erasures, alterations, unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
(g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
(h) If the proposal is not accompanied by the proper proposal guaranty.
(i) If the proposal is prepared with other than ink or typewriter, or otherwise fails to meet the requirements of the above "Preparation of Proposal" section.

Proposal Guaranty. Each proposal shall be accompanied by a bid bond on the Department form contained in the proposal, executed by a corporate surety company satisfactory to the Awarding Authority, by a bank cashier's check or a properly certified check for not less than five percent of the amount bid, or for the amount specified in the following schedule:

Amount Bid		Proposal Guaranty
Up to	$5,000	$150
>$5,000	$10,000	$300
>$10,000	$50,000	$1,000
>$50,000	$100,000	$3,000
>$100,000	$150,000	$5,000
>$150,000	$250,000	$7,500
>$250,000	$500,000	$12,500
>$500,000	$1,000,000	$25,000
>$1,000,000	$1,500,000	$50,000
>$1,500,000	$2,000,000	$75,000
>$2,000,000	$3,000,000	$100,000
>$3,000,000	$5,000,000	$150,000
>$5,000,000	$7,500,000	$250,000
>$7,500,000	$10,000,000	$400,000
>$10,000,000	$15,000,000	$500,000
>$15,000,000	$20,000,000	$600,000
>$20,000,000	$25,000,000	$700,000
>$25,000,000	$30,000,000	$800,000
>$30,000,000	$35,000,000	$900,000
Over	$35,000,000	$1,000,000

In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must equal to the sum of the proposal guaranties which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying proposals shall be made payable to the County Treasurer, when a County is the Awarding Authority; or the City, Village, or Town Treasurer, when a city, village, or town is the Awarding Authority.

The proposal guaranty checks of all, except the two lowest responsible, will be returned promptly after the proposals have been checked, tabulated, and the relation of the proposals established. Proposal guaranty checks of the two lowest bidders will be returned as soon as the contract and contract bond of the successful bidder have been properly executed and approved. Bid bonds will not be returned.

After a period of three working days has elapsed after the date of opening proposals, the Awarding Authority may permit the two lowest bidders to substitute for the bank cashier's checks or certified checks submitted with their proposals as proposal guaranties, bid bonds on the Department forms executed by corporate surety companies satisfactory to the Awarding Authority.

Delivery of Proposals. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Authority and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

Withdrawal of Proposals. Permission will be given a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Public Opening of Proposals. Proposals will be opened and read publicly at the time and place specified in the Notice to Bidders. Bidders, their authorized agents, and other interested parties are invited to be present.

Consideration of Proposals. After the proposals are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In awarding contracts, the Awarding Authority will, in addition to considering the amounts stated in the proposals, take into consideration the responsibility of the various bidders as determined from a study of the data required under "Prequalification of Bidders", and from other investigations which it may elect to make.

The right is reserved to reject any or all proposals, to waive technicalities, or to advertise for new proposals, if in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

Award of Contract. The award of contract will be made within 45 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter of intent that his/her bid has been accepted, and subject to the following conditions, the bidder will be the Contractor.

An approved contract executed by the Awarding Authority is required before the Awarding Authority is bound. An award may be cancelled any time by the Awarding Authority prior to execution in order to protect the public interest and integrity of the bidding process or for any other reason if, in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

If a contract is not awarded within 45 days after the opening of proposals, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, and the Awarding Authority will permit such withdrawal.

Requirement of Contract Bond. If the Awarding Authority requires a Contract Bond, the Contractor or Supplier shall furnish the Awarding Authority a performance and payment bond with good and sufficient sureties in the full amount of the award as the penal sum. The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

Execution of Contract. The contract shall be executed by the successful bidder and returned, together with the Contract Bond, within 15 days after the contract has been mailed to the bidder.

If the bidder to whom the award is made is a corporation organized under the laws of a State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the return of the executed contract and bond. Failure to furnish such evidence of a Certificate of Authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

Failure to Execute Contract. If the contract is not executed by the Awarding Authority within 15 days following receipt from the bidder of the properly executed contracts and bonds, the bidder shall have the right to withdraw his/her bid without penalty.

Failure of the successful bidder to execute the contract and file acceptable bonds within 15 days after the contract has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder, or the work may be readvertised and constructed under contract, or otherwise, as the Awarding Authority may decide."

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION FOR COOPERATION WITH UTILITIES

Effective: January 1, 1999
Revised: January 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 105.07 of the Standard Specifications with the following:

"**105.07 Cooperation with Utilities.** The adjustment of utilities consists of the relocation, removal, replacement, rearrangements, reconstruction, improvement, disconnection, connection, shifting, new installation or altering of an existing utility facility in any manner.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of the underground utility facilities.

Utilities which are to be adjusted shall be adjusted by the utility owner or the owner's representative or by the Contractor as a contract item. Generally, arrangements for adjusting existing utilities will be made by the Department prior to project construction; however, utilities will not necessarily be adjusted in advance of project construction and, in some cases, utilities will not be removed from the proposed construction limits. When utility adjustments must be performed in conjunction with construction, the utility adjustment work will be shown on the plans and/or covered by Special Provisions.

When the Contractor discovers a utility has not been adjusted by the owner or the owner's representative as indicated in the contract documents, or the utility is not shown on the plans or described in the Special Provisions as to be adjusted in conjunction with construction, the Contractor shall not interfere with said utility, and shall take proper precautions to prevent damage or interruption of the utility and shall promptly notify the Engineer of the nature and location of said utility.

All necessary adjustments, as determined by the Engineer, of utilities not shown on the plans or not identified by markers, will be made at no cost to the Contractor except traffic structures, light poles, etc., that are normally located within the proposed construction limits as hereinafter defined will not be adjusted unless required by the proposed improvement.

(a) Limits of Proposed Construction for Utilities Paralleling the Roadway. For the purpose of this Article, limits of proposed construction for utilities extending in the same longitudinal direction as the roadway, shall be defined as follows:

(1) The horizontal limits shall be a vertical plane, outside of, parallel to, and 600 mm (2 ft) distant at right angles from the plan or revised slope limits.

In cases where the limits of excavation for structures are not shown on the plans, the horizontal limits shall be a vertical plane 1.2 m (4 ft) outside the edges of structure footings or the structure where no footings are required.

(2) The upper vertical limits shall be the regulations governing the roadbed clearance for the specific utility involved.

(3) The lower vertical limits shall be the top of the utility at the depth below the proposed grade as prescribed by the governing agency or the limits of excavation, whichever is less.

(b) Limits of Proposed Construction for Utilities Crossing the Roadway. For the purpose of this Article, limits of proposed construction for utilities crossing the roadway in a generally transverse direction shall be defined as follows:

(1) Utilities crossing excavations for structures that are normally made by trenching such as sewers, underdrains, etc. and all minor structures such as manholes, inlets, foundations for signs, foundations for traffic signals, etc., the limits shall be the space to be occupied by the proposed permanent construction unless otherwise required by the regulations governing the specific utility involved.

(2) For utilities crossing the proposed site of major structures such as bridges, sign trusses, etc., the limits shall be as defined above for utilities extending in the same general direction as the roadway.

The Contractor may make arrangements for adjustment of utilities outside of the limits of proposed construction provided the Contractor furnishes the Department with a signed agreement with the utility owner covering the adjustments to be made. The cost of any adjustments made outside the limits of proposed construction shall be the responsibility of the Contractor unless otherwise provided.

The Contractor shall request all utility owners to field locate their facilities according to Article 107.31. The Engineer may make the request for location from the utility after receipt of notice from the Contractor. On request, the Engineer will make an inspection to verify that the utility company has field located its facilities, but will not assume responsibility for the accuracy of such work. The Contractor shall be responsible for maintaining the excavations or markers provided by the utility owners. This field location procedure may be waived if the utility owner has stated in writing to the Department it is satisfied the construction plans are sufficiently accurate. If the utility owner does not submit such statement to the Department, and they do not field locate their facilities in both horizontal and vertical alignment, the Engineer will authorize the Contractor in writing to proceed to locate the facilities in the most economical and reasonable manner, subject to the approval of the Engineer, and be paid according to Article 109.04.

The Contractor shall coordinate with any planned utility adjustment or new installation and the Contractor shall take all precautions to prevent disturbance or damage to utility facilities. Any failure on the part of the utility owner, or their representative, to proceed with any planned utility adjustment or new installation shall be reported promptly by the Contractor to the Engineer orally and in writing.

The Contractor shall take all necessary precautions for the protection of the utility facilities. The Contractor shall be responsible for any damage or destruction of utility facilities resulting from neglect, misconduct, or omission in the Contractor's manner or method of execution or nonexecution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility facility occurs as a result of work performed by the Contractor, the utility company will be immediately notified. The utility company will make arrangements to restore such facility to a condition equal to that existing before any such damage or destruction was done.

It is understood and agreed that the Contractor has considered in the bid all of the permanent and temporary utilities in their present and/or adjusted positions.

No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility facilities or the operation of relocating the said utility facilities.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION FOR INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

City of Peoria

Farnsworth Group, Inc.

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION FOR WAGES OF EMPLOYEES ON PUBLIC WORKS

Effective: January 1, 1999
Revised: January 1, 2014

1. Prevailing Wages. All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Illinois Department of Labor publishes the prevailing wage rates on its website at www.state.il.us/agency/idol/rates/rates.htm. If the Illinois Department of Labor revises the prevailing wage rates, the revised prevailing wage rates on the Illinois Department of Labor's website shall apply to this contract and the Contractor will not be allowed additional compensation on account of said revisions. The Contractor shall review the wage rates applicable to the work of the contract at regular intervals in order to ensure the timely payment of current wage rates. The Contractor agrees that no additional notice is required. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto.

2. Payroll Records. The Contractor and each subcontractor shall make and keep, for a period of not less than five years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include information required by 820 ILCS 130/5 for each worker. Upon seven business days' notice, the Contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.

3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month with the public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted

   The certified payroll shall be accompanied by a statement signed by the Contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.

4. Employees Interviews. The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION FOR FILLING HMA CORE HOLES WITH NON-SHRINK GROUT

Effective: January 1, 2008

All references to Sections and Articles in this Special Provision shall be construed to mean specific Sections and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

Add the following after the first paragraph of Article 406.07(c) of the Standard Specifications:

"Upon completion of coring for density testing, all free water shall be removed from the core holes prior to filling. All core holes shall be filled with a non-shrink grout from the Department's approved list, which shall be mixed in a separate container prior to placement in the hole. Only enough water to permit placement and consolidation by rodding shall be used, and the material shall be struck-off flush with the adjacent pavement."

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION FOR GROWTH CURVE

Effective: March 1, 2008
Revised: January 1, 2010

All references to Sections and Articles in this Special Provision shall be construed to mean specific Sections and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

The Contractor shall perform a growth curve at the beginning of placement of each type of mix and each lift. The growth curve for each type of mix and each lift shall be performed within the first 200 tons (180 metric tons). If an adjustment is made to the specific mix design, the Engineer reserves the right to request an additional growth curve and supporting tests at the Contractor's expense.

Compaction of the growth curve shall commence immediately after the course is placed and at a temperature of not less than 280 °F (140 °C). The growth curve, consisting of a plot of lb/cu ft (kg/cu m) vs. number of passes with the project breakdown roller, shall be developed. Roller speed during the growth curve testing shall be the same as the normal paving operation. This curve shall be established by use of a nuclear gauge. Tests shall be taken after each pass until the highest lb/cu ft (kg/cu m) is obtained. This value shall be the target density provided the HMA Gyratory air voids are within acceptable limits. If the HMA Gyratory air voids are not within the specified limits, corrective action shall be taken, and a new target density shall be established.

A new growth curve is required if the breakdown roller used on the growth curve is replaced with a new roller during production. The target density shall apply only to the specific gauge used. If additional gauges are to be used to determine density specification compliance, the Contractor shall establish a unique minimum allowable target density from the growth curve location for each gauge.

At least one core sample per day shall be taken at a location specified by the Engineer. Core densities will be determined using the Illinois-Modified AASHTO T 166 or T 275 procedure by the Department. The core density shall be according to Articles 1030.05(d)(4) and (d)(7). The QA Manager is responsible for assuring and documenting that the determined number of roller passes has been accomplished. The Engineer reserves the right to take core samples at any time to verify density from the nuclear gauge,

All lifts and confined longitudinal joint edges shall be compacted to an average nuclear gauge density of not less than 95 percent nor greater than 102 percent of the target density obtained on the growth curve. Unconfined longitudinal joint edges shall be compacted to an average nuclear gauge density of not less than 93 percent nor greater than 102 percent of the target density obtained on the growth curve. The average nuclear gauge density shall be based on tests representing one day's production.

Quality Control density tests shall be performed at randomly selected locations within 1/2 mile (800 m) intervals per lift per lane. In no case shall more than one half day's production be completed without density testing being performed. Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 2 in. (50 mm) from each pavement edge.

If the Contractor is not controlling the compaction process and is making no effort to take corrective action, the operation shall stop as directed by the Engineer.

APPENDIX A

MINORITY AND WOMEN BUSINESS ENTERPRISE DIRECTORY

To assist Bidders in their outreach efforts, the City of Peoria has developed a Minority and Women Business Enterprise (M/WBE) directory. Go to the City's website at www.ci.peoria.il.us/mwbe to view the directory.

EQUAL EMPLOYMENT OPPORTUNITY

To be awarded a contract all Suppliers, Vendors and Contractors to the City of Peoria must be registered in the City of Peoria's Contract Compliance Program and have a current EEO Certification Number. This program is unrelated to any State or Federal program. To obtain or renew a number, an Employer Report Form CC-1, a copy of your company's sexual harassment policy statement, if a first time applicant and a Fifty-dollar ($50.00) processing fee must be submitted to the City of Peoria. Go to the City's website at *www.ci.peoria.il.us/equal-opportunity-forms* to obtain the form and instructions page.

Note: Suppliers, Vendors and Contractors do not need an EEO Certification Number to submit a bid proposal. However, it is required prior to the award of the contract.

READ THIS PAGE BEFORE FILLING OUT THE EMPLOYER REPORT CC-1 OR THE RENEWAL APPLICATION

This page outlines the instructions you need to follow to process either the Employer Report Form CC-1 or the Renewal Application. Forms that are not filled out properly will not be processed.

Processing Fee: Effective January 1st, 2006, in accordance with recent changes to chapter 17 of the Peoria Municipal Code, a fifty-dollar ($50.00) processing fee will be charged with each submission of the Employer Report Form CC-1 and the Renewal Application. The only exception to payment of the processing fee is neighborhood associations.

Method of Processing Fee Payment: The City of Peoria Treasurer's office will only accept check, money order, and cash payment. Make checks payable to the "City of Peoria".

Who needs to fill out the Employer Report Form CC-1 or the Renewal Application? Any business providing a good or service to the City for remuneration or any business receiving financial assistance from the City.

Under what legal authority does the City of Peoria require this application? The filing requirement is authorized under chapter 17, Peoria Municipal Code, section 17-120(b).

Which form do I submit?

Employer Report Form CC-1: If your company has not received an EEO Certification Number from the City of Peoria, you need to complete the Employer Report Form CC-1. You will also need to submit a copy of your company's **Sexual Harassment Policy** (for specific instructions on the sexual harassment policy, see the Sexual Harassment Policy Information Sheet).

Renewal Application: If your company currently has an EEO Certification Number from the City of Peoria that has expired, or is about to expire, you only need to complete the Renewal Application form. If you are submitting the Renewal Application you do not need submit the Sexual Harassment Policy as it is already on file.

Submittal Instructions: Either **mail** or **hand deliver** your completed materials.

Mail: Mail forms and payment to the Office of Equal Opportunity. The EO Office will review the forms. If they are complete and correct, the EO Office will process your forms and mail, fax, or email you a copy of your EEO certificate. Send forms and payment to:

City of Peoria
Office of Equal Opportunity
419 Fulton Street, Room 303
Peoria, IL 61602-1276

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If you have any questions, call the Equal Opportunity Office at (309) 494-8530

KEEP THIS PAGE FOR YOUR RECORDS

Employer Report Form CC-1

Disclosure of the information requested in this form is required of those companies seeking to provide goods and/or services with the City of Peoria, County of Peoria, and/or the Greater Peoria Sanitary District (hereinafter GPSD). Failure to properly complete, sign, and notarize this form will result in it not being processed; moreover, failure to pay the fifty-dollar ($50.00) processing fee will result in an unprocessed form. Make checks payable to the "City of Peoria". If you have any questions about completing this form, please call VOICE (309)494-8530 or TTY (309)494-8532.

Part I: Identification

l.a. Company Name and Address:

City

State Zip

b. Telephone: ( )

c. Fax: ( )

b. Assumed business name or other company
Name used, if any:

d. Contact Name/Title:

e. Telephone: ( )

f. E-Mail:

g. If the Company is a division or subsidiary, please provide the following information.

Parent Company:
Location:
Telephone: ( )

2.a. Company will be conducting business with:
__City of Peoria __County of Peoria __GPSD

b. In what capacity would (or does) the company do business with the above cited governmental entity?
__Contractor __Vendor/Supplier __Subcontractor __Manufacturer
__Other:_____

c. Will the Company be providing goods or services through a joint venture?
___YES ___NO

If so, please provide contact information for the partner(s):
Name: _____
Address: _____
City/State/Zip:_____
Telephone Number: _____

3. Major Activity of Company (principal product or service):

4. Is the company a "state certified" minority/woman owned business (MBE/WBE/DBE)? ____YES ____NO If yes, please attach copy of state certification. A MBE/WBE business is an enterprise that is both owned and controlled by minorities or by women. This means minorities or women must own 51% of the business, and that they must control the management and daily operation of the business.

   Please complete, if applicable: ___MBE ___WBE ___DBE

5. a. Has the company ever been disqualified to do business with the City of Peoria, County of Peoria, and/or the GPSD? _____YES _____NO If yes, please provide dates and the reasons for disqualification.

   b. Will the company hire additional employees to perform work under this contract? __YES __NO

   c. Has the company ever been disqualified from conducting business with a state and/or federal agency? ___YES ___NO If so, please provide dates and the reasons for disqualification.

Part II: Employment Information

6. a. Please complete the company work force profile format on page three (3) of this document. Use the number of employees as of the most recent payroll period. Be sure to complete all applicable columns.

   b. Job Classifications, see descriptions attached.

   c. (1) Has the company undergone an EEO compliance review by a federal or state agency:

   ____YES ____NO

   (2) If so, identify the agency and location:

   (3) Date of last review:

   d. Identify the geographical area(s) from which the company may reasonably recruit employees (use city, county, Standard Metropolitan Statistical Area, or distance in miles from company location, etc.).

   e. If minorities and females are currently under-represented in your work force; please provide the annual hiring percentage goals or your plan to recruit and hire qualified minorities and females

Work Force Profile -- Full Time Only

Date of Payroll Period Used:

Job Classifications	Total Employees		Black		Hispanic		Native American		Asian		Veteran		Disabled	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1. Officials, Managers, Supervisors														
2. Professionals														
3. Technicians														
4. Sales														
5. Office/Clerical														
6. White collar trainees:														
7. Skilled crafts														
8. Apprentices:														
9. On - the – job Trainees:														
10. Semi – skilled														
11. Service Workers														
12. Unskilled														
TOTALS														

Above Employee Figures obtained from: Visual Check Employment Record

DEFINITIONS OF TERMINOLOGY LISTED IN THE WORKFORCE PROFILE TABLE

(See Previous Page)

RACE/ETHNIC IDENTIFICATION

WHITE (not of Hispanic origin): All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.

BLACK (not of Hispanic origin): All persons having origins in any of the Black racial groups of Africa.

HISPANIC: All persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

ASIAN or PACIFIC ISLANDER: All persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands. This area includes, for example, China, India, Japan, Korea, the Philippine Islands, and Samoa.

NATIVE AMERICAN or ALASKAN NATIVE: All persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.

DESCRIPTION OF JOB CLASSIFICATIONS

OFFICIALS, MANAGERS, AND SUPERVISORS --Occupations requiring administrative personnel who set broad policies, and exercise over-all responsibility for the execution of these policies, and direct individual departments or special phases of a firm's operations. Includes: officials, executives, middle management, plant managers, department managers/superintendents, salaried foremen who are members of management, purchasing agents and buyers, and kindred workers.

PROFESSIONALS --Occupations requiring either college graduation or experience of such kind and amount as to provide a comparable background. Includes: accountants/auditors, airplane pilots and navigators, architects, artists, chemists, designers, dietitians, editors, engineers, lawyers, librarians, mathematicians, natural scientists, personnel and labor relations workers, physical scientists, physicians, social scientists, teachers, and kindred workers.

TECHNICIANS --Occupations requiring combination of basic scientific knowledge and manual skill which can be obtained through about 2 years of post high school education, such as is offered in many technical institutes and junior colleges, or through equivalent on-the-job training. Includes: drafters, engineering aids, junior engineers, scientific assistants, surveyors, technical illustrators, technicians (medical, dental, electronic physical sciences), and kindred workers.

SALES WORKERS --Occupations engaging wholly or primarily in direct selling. Includes: advertising agents/salespersons, insurance agents/brokers, real estate agents/brokers, stock and bond salespersons, demonstrators, salespersons and sales clerks, and kindred workers.

OFFICE AND CLERICAL WORKERS --Includes all clerical type work regardless of level of difficulty, where the activities are predominantly non-manual though some manual work not directly involved with altering or transporting the products are included. Includes: bookkeepers, cashiers, collectors (bills and accounts), messengers and office couriers, office machine operators, shipping and receiving clerks, stenographers, typist and secretaries, telegraph and telephone operators, and kindred workers.

WHITE COLLAR TRAINEES --Persons engaged in formal training for official, managerial, professional, technical, sales, office and clerical occupations.

SKILLED CRAFTS --Manual worker of relatively high skill level having a thorough and comprehensive knowledge of the processes involved in their work. Exercise considerable independent judgement and usually receive an extensive period of training. Includes: the building trades hourly paid foremen and leadmen who are not members of management, mechanics and repairmen, skilled machining occupations, compositors and typesetters, electricians, engravers, job setters (metal), motion picture projectionists, pattern and model makers, stationary engineers, tailors and tailoresses, and kindred workers.

APPRENTICES --Persons employed in a program including work training and related instruction to learn a trade or craft which is traditionally considered an apprenticeship, regardless of whether the program is registered with a Federal or State agency.

ON-THE-JOB TRAINEES --Persons engaged in formal training for craftsmen when not trained under apprentice programs; semi- skilled, unskilled and service occupations.

SEMI-SKILLED WORKERS --Workers who operate machine or processing equipment or perform other factory-type duties of intermediate skill level which can be mastered in a few weeks and require only limited training.

SERVICE WORKERS --Workers in both protective and non-protective service occupations. Includes: attendants (hospital and other institution, professional and personal service), barbers, charwomen and cleaners, cooks (except household), counter and fountain workers, elevator operators, fire fighters, guards, watchmen and doorkeepers, stewards, janitors, police officers and detectives, porters, waiters and waitresses, and kindred workers.

UNSKILLED WORKERS --Workers in manual occupations which generally require no special training. Perform elementary duties that may be learned in a few days and require the application of little or not independent judgement. Includes: garage laborers, car washers and greasers, gardeners (except farm) and groundskeepers, longshoremen and stevedores, lumbermen, craftsmen and wood choppers, laborers performing lifting, digging, mixing loading and pulling operations, and kindred workers.

Part III: Policies and Practices

Description of EEO Policies and Practices	YES	NO
A. Is it the Company's policy to recruit, hire, train, upgrade, promote, and discipline persons without regard to race, color, sex, religion, national origin, veteran status, age, mental and/or physical disability?		
B. Has someone been assigned to develop procedures which will assure that the EEO policy is implemented and enforced by managerial, administrative, and supervisory personnel? If so, please indicate the name and title of the official charged with this responsibility: NAME:_____ TITLE:_____ TELEPHONE:_____		
C. Has the company developed a written Affirmative Action Program?		
D. Has the company developed a written policy statement prohibiting Sexual Harassment? **Attach a copy of the policy statement and read the Sexual Harassment Policy Information page.** (Note that your policy must conform to the requirements on the Sexual Harassment Policy Information sheet.)		
E. Have all recruitment sources been notified that the company will consider all qualified applicants without regard to race, color, sex, religion, national origin, veteran status, mental and/or physical disability, or age?		
F. If advertising is used, does it specify that all qualified applicants will be considered for employment without regard to race, color, sex, religion, national origin, veteran status, mental and/or physical disability, or age?		
G. Has the contractor notified all of its sub-contractors of their obligations to comply with the Equal Employment Opportunity requirements either in writing, by inclusion in subcontracts or purchase orders?		
H. Does the company have collective bargaining agreements with labor organizations?		
I. Have the labor organizations been notified of the company's responsibility to comply with the Equal Employment Opportunity requirements required in all contracts by the City of Peoria, County of Peoria, or the GPSD?		
J. Does the contractor understand and agree that it is illegal to maintain or provide for its employees, any segregated facilities, or permit employees to perform any services at any location under its control where segregated facilities are maintained? "Segregated" means separate facilities maintained on the basis of race, religion, color, national origin, because of habit, local custom, or otherwise.		

The Company agrees that the provisions of the City of Peoria Municipal Code, Chapter 17, the County of Peoria Purchasing Ordinance, Section 19, and the Greater Peoria Sanitary District Ordinance No. 517 regulating affirmative action and equal employment opportunity are hereby incorporated by reference, shall be complied with the same as if said provisions or policies and procedures were set forth herein verbatim.

The Company certifies that it has answered all of the foregoing questions truthfully to the best of its knowledge and belief. The Company further agrees to report any and all changes that would alter the status of any information provided on this form.

As evidence of certification, the Office of Equal Opportunity will issue a "Certificate of Compliance" good for one year. Please be sure to note the expiration date. To avoid any interruption in your ability to bid contracts, a Renewal Application should be completed and submitted to this office forty-five (45) days prior to the expiration date. Failure to do so will render your compliance status as "ineligible" to conduct business with the City of Peoria, County of Peoria, and the GPSD.

_____
Company Name

_____
Signature of Company Official

_____
Title

_____
Area Code/Telephone Number

SUBSCRIBED and sworn to before me this _____day of _____, 20__

_____
NOTARY PUBLIC

NOTE: Notary Seal Required:

Please submit this form (5 pages) to :
Equal Opportunity Office
City Hall – Room 303
419 Fulton Street
Peoria, IL 61602-1230
VOICE: (309) 494-8530
TTY: (309) 494-8532
FAX: (309) 494-8658

Employer Report Form CC-1 (Revised 01/06)

Office Use Only:

Reviewed By: _____

Date: _____

Fee Received: ☐

Certification Number:
_____

CITY OF PEORIA

SEXUAL HARRASSMENT POLICY INFORMATION

FAILURE TO SUBMIT A SEXUAL HARASSMENT POLICY OUTLINING ALL OF THE REQUIREMENTS LISTED BELOW WILL DISQUALIFY YOU AS AN ELIGIBLE VENDOR. THE CITY OF PEORIA REQUIRES THAT EVERY PARTY TO A PUBLIC CONTRACT IS REQUIRED TO HAVE A WRITTEN SEXUAL HARASSMENT POLICY THAT CONTAINS THE FOLLOWING INFORMATION:

(1) a statement that sexual harassment is illegal;

(2) a definition of sexual harassment under state law;

(3) a description of sexual harassment utilizing examples;

(4) a formalized internal complaint procedure;

(5) a statement explaining that victims have the legal right to contact outside government agencies for resolution;

(6) Illinois companies must include contact information for the Illinois Department of Human Rights.
Companies outside of Illinois must include contact information for their state civil rights agency. Companies that issue a standard policy for all business locations must provide, in writing, contact information for the appropriate state or federal enforcement agency.

(7) a statement explaining that there cannot be any retaliation against employees who elect to file charges.

Recommendation: Your sexual harassment policy should be drafted in language easy to understand and any revisions should be reviewed by legal counsel. A copy of your policy should be posted in a prominent, accessible location to assure all employees will be notified of the company's position.

Please be advised, effective July 1, 1993, Governor Jim Edgar established under Executive Order Number 7 (Public Act 87-1257) that every party to a public contract and every party bidding on a public contract within the State of Illinois must have a written policy statement prohibiting sexual harassment. The following model policy statement is a draft copy provided for use in formulating your company's policy statement.

SEXUAL HARASSMENT MODEL POLICY STATEMENT

It is the responsibility of each individual employee to refrain from sexual harassment and it is the right of each individual employee to work in an environment free from sexual harassment.

DEFINITION OF SEXUAL HARASSMENT

According to the Illinois Human Rights Act, sexual harassment is defined as:

Any unwelcome sexual advances or requests for sexual favors or any conduct of a sexual nature when

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment;
2. submission to or rejection of such conduct by an individual is used as the basis for employment decision(s) affecting such individual; or
3. such conduct has the purpose or effect of substantially interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment.

The courts have determined that sexual harassment is a form of discrimination under Title VII of the U.S. Civil Rights act of 1964, as amended in 1991. One such example is a case where a qualified individual is denied employment opportunities and benefits that are, instead, awarded to an individual who submits (voluntarily or under coercion) to sexual advances or sexual favors. Another example is where an individual must submit to unwelcome sexual conduct in order to receive an employment opportunity.

Other conduct commonly considered to be sexual harassment includes:

- Verbal: Sexual innuendoes, suggestive comments, insults, humor and jokes about sex, anatomy or gender-specific traits, sexual propositions, threats, repeated requests for dates, or statement about other employees, even outside of their presence, of a sexual nature.
- Non-Verbal: Suggestive or insulting sounds (whistling), leering, obscene gestures, sexually suggestive bodily gestures, "catcalls," "smacking" or "kissing" noises.
- Visual: Posters, signs, pin-ups, slogans of a sexual nature.
- Physical: Touching, unwelcome hugging or kissing, pinching, brushing the body, coerced sexual intercourse or actual assault.

Sexual harassment most frequently involves a man harassing a woman. However, it can also involve a woman harassing a man or harassment between members of the same gender.

The most severe and overt forms of sexual harassment are easier to determine; however, some sexual harassment is more subtle and depends to some extent on individual perception and interpretation. The trend in the courts is to assess sexual harassment by a standard of what would offend a "reasonable woman" or a "reasonable man," depending upon the gender of the alleged victim.
An example of the most subtle form of sexual harassment is the use of endearments. The use of terms such as "honey ," "darling," and "sweetheart," is objectionable to many women who believe that these terms undermine their authority and their ability to deal with men on an equal and professional level.

Another example is the use of a compliment that could potentially be interpreted as sexual in nature. Below are three statements that might be made about the appearance of a woman in the workplace:

- "That's an attractive dress you have on."
- "That's an attractive dress. It really looks good on you."
- "That's an attractive dress. You really fill it out well."

The first statement appears to be simply a compliment. The last is most likely to be perceived as sexual harassment depending on individual perceptions and values. To avoid the possibility of offending an employee, it is best to follow a course of conduct above reproach, or to err on the side of caution.

RESPONSIBILITY OF INDIVIDUAL EMPLOYEES

Each individual employee has the responsibility to refrain from sexual harassment in the workplace. An individual employee who harasses a fellow worker is, or course, liable for his or her individual conduct. The harassing employee will be subject to disciplinary action up to and including discharge in accordance with company/organization policy or a collective bargaining agreement, as appropriate.

RESPONSIBILITY OF SUPERVISORY PERSONNEL

Each supervisor is responsible for maintaining a workplace free of sexual harassment. This is accomplished by promoting a professional environment and by dealing with sexual harassment as with all other forms of employee misconduct.

The courts have found companies/organizations as well as supervisors can be held liable for damages related to sexual harassment by a manger, supervisor, employee, or third party (an individual who is not an employee but does business with a company/organization, such as a contractor, customer, sales representative, or repair person)

Liability is based either on a company's/organization's responsibility to maintain a certain level of order and discipline, or on the supervisor acting as an agent of the company/organization. As such, supervisors must act quickly and responsibly, not only to minimize their own liability, but also that of the company/organization.

RESOLUTION OUTSIDE THE COMPANY/ORGANIZATION

It is hoped that most sexual harassment complaints and incidents can be resolved within a company/organization. However, an employee has the right to contact the Illinois Department of Human Rights (IDHR) or the U.S. Equal Employment Opportunity Commission (EEOC) about filing a formal complaint. An IDHR complaint must be filed within 180 days of the alleged incident(s) unless it is a continuing offense. A complaint with EEOC must be filed within 300 days.

Illinois Department of Human Rights
(217) 785-5100 – Springfield
(217) 785-5125 – TDD Springfield
(312) 814-6200 – Chicago
(312) 263-1579 – TDD Chicago

Illinois Human Rights Commission
(217) 785-4350 – Springfield
(217) 785-5125 – TDD Springfield
(312) 814-6269 – Chicago
(312) 814-4760 – TDD Chicago

U.S. Equal Employment Opportunity Commission
(312) 353-2713 Chicago District Office
(800) 669-4000 Toll Free Within State of Illinois
(800) 669-6820 TDD Chicago

An employee who is suddenly transferred to a lower paying job or passed for promotion, after filing a complaint with IDHR or EEOC, may file a retaliation charge, also due 180 days (IDHR) or 300 days (EEOC) from the alleged retaliation.

An employee who has been physically harassed or threatened while on the job may also have grounds for criminal charges of assault and battery.

FALSE AND FRIVOLOUS COMPLAINTS

False and frivolous charges refer to cases where the accuser is using a sexual harassment complaint to accomplish some end other than stopping sexual harassment. It does not refer to charges made in good faith which cannot be proven. Given the seriousness of the consequences for the accused, a false and frivolous charge is a severe offense that can itself result in disciplinary action.

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Under what legal authority does the City of Peoria require this application? The filing requirement is authorized under chapter 17, Peoria Municipal Code, section 17-120(b).

Which form do I submit?

Employer Report Form CC-1: If your company has not received an EEO Certification Number from the City of Peoria, you need to complete the Employer Report Form CC-1. You will also need to submit a copy of your company's **Sexual Harassment Policy** (for specific instructions on the sexual harassment policy, see the Sexual Harassment Policy Information Sheet).

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Submittal Instructions: Either **mail** or **hand deliver** your completed materials.

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City of Peoria
Office of Equal Opportunity
419 Fulton Street, Room 303
Peoria, IL 61602-1276

Hand Delivery: If you choose to hand deliver your forms and payment, you must first go to the Office of Equal Opportunity (address listed above). The EO Office will review your form for completeness and then ask you to stop by the Treasurer's Office, City Hall Building, Room 100 to make your Processing Fee payment. The EO office will process your forms and mail, fax, or email you a copy of your EEO certificate.

If you have any questions, call the Equal Opportunity Office at (309) 494-8530

KEEP THIS PAGE FOR YOUR RECORDS

RENEWAL APPLICATION FOR EMPLOYER REPORT FORM CC-1

This document is to be used to renew the EEO-Certification Number assigned to your company. Renewal of this number will continue this company's eligibility to contract with the City of Peoria, County of Peoria, and the Greater Peoria Sanitary District for one year. Please complete **(type or print legibly)** this form and return it to the City of Peoria, Office of Equal Opportunity, 419 Fulton Street, Room 303, Peoria, IL 61602 along with a fifty-dollar ($50.00) check made payable to the "City of Peoria". If you have any questions about completing this form, please call VOICE (309)494-8530 or TTY (309)494-8532.

Company Name:

Address:

City/State/Zip

Telephone #:

Fax #:

Name/Title CEO:

Name/Title EEO Administrator:

Contact Name/Title

E-Mail:

Description of EEO Policies and Practices	YES	NO
1. Is it the company's policy to recruit, hire, train, upgrade, promote and discipline persons without regard to race, color, sex, religion, national origin, veteran status, age, mental or physical disability?		
2. Has the company developed a written Affirmative Action Plan?		
3. Has the company developed a written policy prohibiting Sexual Harassment? Attach copy, if not previously submitted.		
4. Has the company notified its recruitment sources it is an equal opportunity employer?		
5. If advertising is used, does it state the company is an equal opportunity employer?		
6. Has the company been certified by a State or Federal agency as a Minority or Woman Owned Business since the last application? Specify ___MBE ___WBE ___DBE		
7. Does the contractor understand and agree that it is illegal to maintain segregated facilities for any of its employees on the basis of race, religion, color, national origin, because of habit, local custom, or otherwise		
8. Has the Workforce Profile Table been completed? See reverse side of form.		

The company certifies that it has answered all foregoing questions truthfully to the best of its knowledge and belief. It further agrees that all applicable ordinances and administrative policies, procedures regulating affirmative action and equal employment opportunity are hereby incorporated by reference.

_____ _____

Company Name Signature/Title

Subscribed and sworn to before me this _____day of_____, 20_____.

_____

Notary Public

OFFICE USE ONLY:

FEE RECEIVED: ☐

CERTIFICATION #: _____

DATE APPROVED: _____

Work Force Profile -- Full Time Only

Date of Payroll Period Used:

Job Classifications	Total Employees		Black		Hispanic		Native American		Asian		Veteran		Disabled	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1. Officials, Managers, Supervisors														
2. Professionals														
3. Technicians														
4. Sales														
5. Office/Clerical														
6. White collar trainees:														
7. Skilled crafts														
8. Apprentices:														
9. On - the - job Trainees:														
10. Semi - skilled														
11. Service Workers														
12. Unskilled														
TOTALS														

Above Employee Figures obtained from: **Visual Check** **Employment Record**

CITY OF PEORIA

CITY OF PEORIA
SUBCONTRACTOR PAYMENT FORM

PRIME CONTRACTOR

Name: _____

Address: _____

Phone: _____

Contact Person: _____

PROJECT

Name: _____

Pay Estimate No: _____

Percent Complete: _____%

Work Period: _____ to _____

INSTRUCTIONS: Complete the table below. If additional space is needed attach extra pages as needed and included all information listed in the table below; along with project name and prime contractor.

Subcontractor *(Name)*	**Payment Amount**	**Payment Type** *(F-full/ P-partial)*
	$	
	$	
	$	
	$	
	$	
	$	
Total Payment Amount for Work Completed	$	

This form is to verify the work completed and the amount paid to a subcontractor utilized on the above listed project. Under penalty of law for perjury or falsification, the undersigned certifies that the payment reported herein was made to the subcontractors listed.

_____ _____

Signature of Prime Contractor Date

CITY OF PEORIA

CITY OF PEORIA
MONTHLY WORKFORCE ANALYSIS

Check appropriate status
_____**Contractor**
_____ **Subcontractor**

Month Ending_____

Name: _____

Address: _____

Contact Person: _____ Phone:_____

Project: _____

Date Work Started: _____ Percent Complete: _____%

Job Categories	Number of Employees				Hours of Employment									
	Total # of Employees		Total Minorities		African American		Asian/Pacific Islander		American Indian/Alaskan Native		Hispanic		White	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Foremen														
Electricians														
Glaziers														
Iron Workers														
Laborers														
Teamsters														
Millwrights														
Pipe Fitters														
Plumbers														
Plasterers														
Painters														
Roofers														
Operating Engs														
Tile Layers														
Sheet Metal Wkrs														
TOTALS														

Instructions: The total number of hours worked on the project (Hours of Employment), and the total number of individuals working on the project during the reporting period (Number of Employees) should be submitted on this form to the Project Resident Engineer <u>every month</u>. Each contractor and subcontractor should submit with this form certified payroll records for the period covered. The prime contractor is responsible for securing and submitting with his/her report, reports from all subcontractors.

CITY OF PEORIA

CITY OF PEORIA
NOTIFICATION OF CHANGE IN PARTICIPATION

Type of Change
_____ Subcontractor. Complete Part 1
_____ Self-Performance. Complete Part 2

Date:_____

PRIME CONTRACTOR

Name: _____
Address: _____
Phone: _____

PROJECT

Name:_____
_____

PART 1

If changing from previously identified subcontractor to another, complete both From and To.

From Name _____
Address _____
_____
Phone _____
_____
Status _____ MBE _____ WBE _____ Non-M/WBE

To Name _____
Address _____
_____
Phone
Status _____ MBE _____ WBE _____ Non-M/WBE
Contract Amount _____

Will scope of work change? _____ Yes _____ No
Describe change _____
_____
_____
Reason for Contractor Change _____
_____
_____

PART 2

Complete if deviating from intent to self-perform.

Prime Contractor will have to hire another contractor to perform work. _____ Yes _____ No

Change was due to _____ Emergency _____ Non-Emergency
Explain Situation _____
_____
_____

Describe good faith efforts to utilize M/WBE _____
_____
_____

Name of added Contractor _____
Address _____
_____
Phone _____
Status _____ MBE _____ WBE _____ Non-M/WBE Contract Amount _____
Scope of Work _____
_____

Signed: _____ _____
Contractor Title

CITY OF
PEORIA

CONSTRUCTION DEBRIS MANIFEST

Ticket No._____

Contract No._____

Generator_____

Hauler_____ Truck No._____

Description of Material _____

_____

_____

Approximate Weight of Material _____

Approximate Volume of Material _____

Disposition of Material: Location:_____

Date:_____

Time:_____

Owner:_____

Operator:_____

CITY OF
PEORIA

Substance Abuse Prevention Program Certification

Letting Date:_____Item No.:_____

Contract No.:_____

Route:_____

Section:_____

Job No.:_____

County:_____

The Substance Abuse Prevention on Public Works Act, Public Act 95-0635, prohibits the use of drugs and alcohol, as defined in the Act, by employees of the Contractor and by employees of all approved Subcontractors while Performing work on a public works project. The Contractor/Subcontractor herewith certifies that it has a superseding collective bargaining agreement or makes the public filing of its written substance abuse prevention program for the prevention of substance abuse among its employees who are not covered by a collective bargaining agreement dealing with the subject
as mandated by the Act.

A. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has signed collective bargaining agreements that are in effect for all of its employees, and that deal with the subject matter of Public Act 95-0635.

_____
Contractor/Subcontractor

_____
Name of Authorized Representative (type or print)

_____
Title of Authorized Representative (type or print)

_____ _____
Signature of Authorized Representative Date

B. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has in place for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Act, the attached substance abuse prevention program that meets or exceeds the requirements of Public Act 95-0635.

_____
Contractor/Subcontractor

_____
Name of Authorized Representative (type or print)

_____
Title of Authorized Representative (type or print)

_____ _____
Signature of Authorized Representative Date

TAPE HERE

My firm has served as a subcontractor or supplier on contract #_____. We request to be notified 30 days before the City intends to process papers for final payment on this contract.

We understand that it is a subcontractor or supplier's responsibility to ensure they are paid for a project and that notification provided by the Department is a courtesy only and does not provide any protection. We are aware of our rights to make a claim against the bond or file a lien against public funds in accordance with 30 ILCS 550 or 770 ILCS 60/23 and that this request constitutes neither action.

Date _____ Name _____

TAPE HERE

FOLD HERE

Your firm has served as a subcontractor or supplier on contract #_____. The City of Peoria plans to submit papers for processing of final payment to the prime contractor _____ during the next 30 days.

This information is provided as a courtesy only, pursuant to your request. This notification does not constitute an acknowledgment of a bond claim or a lien against public funds and does not guarantee payment.

Date prepared_____

_____

_____

_____

Postage Stamp Required

City of Peoria

_____

_____

_____

Effective January 1, 1994 the Illinois Department of Transportation no longer requires prime contractors on highway construction projects to obtain release forms from subcontractors and suppliers. If you wish to be notified when final payment on a project will be made, please complete all of the shaded areas on this card, **affix first class postage** on both sides of the card, then fold the card so the City address is visible and mail the card. The card will be returned to you prior to the final payment being made on the contract.

If you would like more information on filing a lien or bond claim, IDOT publishes a booklet "Getting Paid" that is available from the district office. You may wish to consult with your attorney if you have specific legal questions concerning the state laws on liens and bond claims and your rights therein.

CITY OF PEORIA

Postage Stamp Required

_____

Attn: _____

_____

_____

BC 2246 (Rev. 9/97)

Peoria County Prevailing Wage for March 2014

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		BLD		26.470	27.970	1.5	1.5	2.0	7.700	13.75	0.000	0.800
ASBESTOS ABT-GEN		HWY		29.350	30.850	1.5	1.5	2.0	7.700	14.86	0.000	0.800
ASBESTOS ABT-MEC		BLD		32.140	34.640	1.5	1.5	2.0	11.17	10.76	0.000	0.720
BOILERMAKER		BLD		36.000	39.000	2.0	2.0	2.0	7.070	14.69	0.000	0.350
BRICK MASON		BLD		32.060	33.560	1.5	1.5	2.0	8.300	9.500	0.000	0.580
CARPENTER		BLD		29.330	31.580	1.5	1.5	2.0	7.700	14.66	0.000	0.520
CARPENTER		HWY		30.820	33.070	1.5	1.5	2.0	7.700	15.14	0.000	0.520
CEMENT MASON		BLD		27.090	28.840	1.5	1.5	2.0	8.140	14.76	0.000	0.500
CEMENT MASON		HWY		28.280	29.780	1.5	1.5	2.0	8.140	15.13	0.000	0.500
CERAMIC TILE FNSHER		BLD		29.750	0.000	1.5	1.5	2.0	8.300	9.500	0.000	0.580
ELECTRIC PWR EQMT OP		ALL		38.300	45.290	1.5	1.5	2.0	6.150	10.73	0.000	0.380
ELECTRIC PWR GRNDMAN		ALL		26.280	45.290	1.5	1.5	2.0	5.790	7.360	0.000	0.260
ELECTRIC PWR LINEMAN		ALL		42.540	45.290	1.5	1.5	2.0	6.280	11.92	0.000	0.430
ELECTRIC PWR TRK DRV		ALL		27.560	45.290	1.5	1.5	2.0	5.830	7.720	0.000	0.280
ELECTRICIAN		BLD		34.820	37.320	1.5	1.5	2.0	5.600	11.07	0.000	0.400
ELECTRONIC SYS TECH		BLD		27.480	29.480	1.5	1.5	2.0	5.750	10.52	0.000	0.400
ELEVATOR CONSTRUCTOR		BLD		41.070	46.200	2.0	2.0	2.0	12.73	13.46	3.290	0.600
GLAZIER		BLD		31.670	33.670	1.5	1.5	2.0	9.950	7.700	0.000	1.250
HT/FROST INSULATOR		BLD		42.850	45.350	1.5	1.5	2.0	11.17	11.96	0.000	0.720
IRON WORKER		BLD		31.010	32.910	1.5	1.5	2.0	9.390	12.26	0.000	0.540
IRON WORKER		HWY		34.580	36.580	1.5	1.5	2.0	9.390	12.26	0.000	0.390
LABORER		BLD		25.470	26.970	1.5	1.5	2.0	7.700	13.75	0.000	0.800
LABORER		HWY		28.600	30.100	1.5	1.5	2.0	7.700	14.86	0.000	0.800
LABORER, SKILLED		BLD		25.870	27.370	1.5	1.5	2.0	7.700	13.75	0.000	0.800
LABORER, SKILLED		HWY		28.900	30.400	1.5	1.5	2.0	7.700	14.86	0.000	0.800
LATHER		BLD		29.330	31.580	1.5	1.5	2.0	7.700	14.66	0.000	0.520
MACHINERY MOVER		HWY		34.580	36.580	1.5	1.5	2.0	9.390	12.26	0.000	0.390
MACHINIST		BLD		43.920	46.420	1.5	1.5	2.0	6.760	8.950	1.850	0.000
MARBLE FINISHERS		BLD		29.750	0.000	1.5	1.5	2.0	8.300	9.500	0.000	0.580
MARBLE MASON		BLD		31.510	32.760	1.5	1.5	2.0	8.300	9.500	0.000	0.580
MILLWRIGHT		BLD		30.240	32.490	1.5	1.5	2.0	7.700	14.09	0.000	0.520
MILLWRIGHT		HWY		31.820	34.070	1.5	1.5	2.0	7.700	14.64	0.000	0.520
OPERATING ENGINEER		BLD	1	36.000	39.000	1.5	1.5	2.0	6.750	16.60	0.000	3.000
OPERATING ENGINEER		BLD	2	33.490	39.000	1.5	1.5	2.0	6.750	16.60	0.000	3.000
OPERATING ENGINEER		BLD	3	29.340	39.000	1.5	1.5	2.0	6.750	16.60	0.000	3.000
OPERATING ENGINEER		HWY	1	36.000	39.500	1.5	1.5	2.0	6.750	16.60	0.000	3.000
OPERATING ENGINEER		HWY	2	33.490	39.500	1.5	1.5	2.0	6.750	16.60	0.000	3.000
OPERATING ENGINEER		HWY	3	29.340	39.500	1.5	1.5	2.0	6.750	16.60	0.000	3.000
PAINTER		ALL		33.000	35.000	1.5	1.5	1.5	10.00	8.200	0.000	1.350
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER		BLD		29.830	32.080	1.5	1.5	2.0	7.700	14.66	0.000	0.520
PILEDRIVER		HWY		31.820	34.070	1.5	1.5	2.0	7.700	15.14	0.000	0.520
PIPEFITTER		BLD		37.400	41.510	1.5	1.5	2.0	7.000	11.63	0.000	1.060
PLASTERER		BLD		27.770	29.770	1.5	1.5	2.0	8.140	13.71	0.000	0.650
PLUMBER		BLD		34.520	37.630	1.5	1.5	2.0	7.000	13.31	0.000	0.900
ROOFER		BLD		29.580	31.060	1.5	1.5	2.0	8.450	7.220	0.000	0.250
SHEETMETAL WORKER		BLD		32.150	33.760	1.5	1.5	2.0	8.270	14.18	0.000	0.780
SIGN HANGER		HWY		34.580	36.580	1.5	1.5	2.0	9.390	12.26	0.000	0.390
SPRINKLER FITTER		BLD		37.120	39.870	1.5	1.5	2.0	8.420	8.500	0.000	0.350
STEEL ERECTOR		HWY		34.580	36.580	1.5	1.5	2.0	9.390	12.26	0.000	0.390
STONE MASON		BLD		32.060	33.560	1.5	1.5	2.0	8.300	9.500	0.000	0.580
SURVEY WORKER		ALL		28.900	30.400	1.5	1.5	2.0	7.700	14.86	0.000	0.800
TERRAZZO FINISHER		BLD		29.750	0.000	1.5	1.5	2.0	8.300	9.500	0.000	0.580

TERRAZZO MASON	BLD		31.510	32.760	1.5	1.5	2.0	8.300	9.500	0.000	0.580
TILE MASON	BLD		31.510	32.760	1.5	1.5	2.0	8.300	9.500	0.000	0.580
TRUCK DRIVER	ALL	1	31.230	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	ALL	2	31.680	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	ALL	3	31.890	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	ALL	4	32.180	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	ALL	5	33.020	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	O&C	1	24.980	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	O&C	2	25.340	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	O&C	3	25.510	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	O&C	4	25.740	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TRUCK DRIVER	O&C	5	26.420	0.000	1.5	1.5	2.0	10.30	4.840	0.000	0.250
TUCKPOINTER	BLD		32.060	33.560	1.5	1.5	2.0	8.300	9.500	0.000	0.580

Legend: RG (Region)
TYP (Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers)
C (Class)
Base (Base Wage Rate)
FRMAN (Foreman Rate)
M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.
OSA (Overtime (OT) is required for every hour worked on Saturday)
OSH (Overtime is required for every hour worked on Sunday and Holidays)
H/W (Health & Welfare Insurance)
Pensn (Pension)
Vac (Vacation)
Trng (Training)

Explanations

PEORIA COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

Oil and chip resealing (O&C) means the application of road oils and liquid asphalt to coat an existing road surface, followed by application of aggregate chips or gravel to coated surface, and subsequent rolling of material to seal the surface.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER, MARBLE FINISHER, TERRAZZO FINISHER

Assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their historic and traditional work assignments required to complete the proper installation of the work covered by said crafts. The term "Ceramic" is used for naming the classification only and is in no way a limitation of the product handled. Ceramic takes into consideration most hard tiles.

ELECTRONIC SYSTEMS TECHNICIAN

Installation, service and maintenance of low-voltage systems which utilizes the transmission and/or transference of voice, sound, vision, or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background/foreground music, intercom and telephone interconnect, field programming, inventory control systems, microwave transmission, multi-media, multiplex, radio page, school, intercom and sound burglar alarms and low voltage master clock systems.

Excluded from this classification are energy management systems, life safety systems, supervisory controls and data acquisition systems not intrinsic with the above listed systems, fire alarm systems, nurse call systems and raceways exceeding fifteen feet in length.

LABORER, SKILLED - BUILDING

The skilled laborer building (BLD) classification shall encompass the following types of work, irrespective of the site of the work: cutting & acetylene torch, gunnite nozzlemen, gunnite pump men & pots, kettlemen & carriers of men handling hot stuff, sandblaster nozzle men, sandblasting pump men & pots, setting up and using concrete burning bars, wood block setters, underpinning & shoring of existing buildings, and the unload-ing and handling of all material coated with creosote.

LABORER, SKILLED - HIGHWAY

The skilled laborer heavy & highway (HWY) classification shall encompass the following types of work,irrespective of the site of the work: jackhammer & drill operator, gunite pump & pot man, puddlers, vibrator men, wire fabric placer, sandblast pump & pot man, strike off concrete, unloading, handling & carrying of all creosoted piles, ties or timber, concrete burning bars, power wheelbarrows or buggies, asphalt raker, brickset-ters, cutting torchman (electric & acetylene), men setting lines to level forms, form setters, gunite nozzle man & sandblasting nozzle man, power man, and rip-rapping by hand.

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION
Class 1. Drivers on 2 axle trucks hauling less than 9 ton. Air compressor and welding machines and brooms, including those pulled by separate units, truck driver helpers, warehouse employees, mechanic helpers, greasers and tiremen, pickup trucks when hauling materials, tools, or workers to and from and on-the-job site, and fork lifts up to 6,000 lb. capacity.

Class 2. Two or three axle trucks hauling more than 9 ton but hauling less than 16 ton. A-frame winch trucks, hydrolift trucks, vactor trucks or similar equipment when used for transportation purposes. Fork lifts over 6,000 lb. capacity, winch trucks, four axle combination units, and ticket writers.

Class 3. Two, three or four axle trucks hauling 16 ton or more. Drivers on water pulls, articulated dump trucks, mechanics and working forepersons, and dispatchers. Five axle or more combination units.

Class 4. Low Boy and Oil Distributors.

Class 5. Drivers who require special protective clothing while employed on hazardous waste work.

TRUCK DRIVER - OIL AND CHIP RESEALING ONLY.

This shall encompass laborers, workers and mechanics who drive contractor or subcontractor owned, leased, or hired pickup, dump, service, or oil distributor trucks. The work includes transporting materials and equipment (including but not limited to, oils, aggregate supplies, parts, machinery and tools) to or from the job site;

distributing oil or liquid asphalt and aggregate; stock piling material when in connection with the actual oil and chip contract. The Truck Driver (Oil & Chip Resealing) wage classification does not include supplier delivered materials.

OPERATING ENGINEERS - BUILDING

Class 1. Cranes; Overhead Cranes; Gradall; All Cherry Pickers; Mechanics; Central Concrete Mixing Plant Operator; Road Pavers (27E - Dual Drum - Tri Batchers); Blacktop Plant Operators and Plant Engineers; 3 Drum Hoist; Derricks; Hydro Cranes; Shovels; Skimmer Scoops; Koehring Scooper; Drag Lines; Backhoe; Derrick Boats; Pile Drivers and Skid Rigs; Clamshells; Locomotive Cranes; Dredge (all types) Motor Patrol; Power Blades - Dumore - Elevating and similar types; Tower Cranes (Crawler-Mobile) and Stationary; Crane-type Backfiller; Drott Yumbo and similar types considered as Cranes; Caisson Rigs; Dozer; Tournadozer; Work Boats; Ross Carrier; Helicopter; Tournapulls - all and similar types; Scoops (all sizes); Pushcats; Endloaders (all types); Asphalt Surfacing Machine; Slip Form Paver; Rock Crusher; Heavy Equipment Greaser; CMI, CMI Belt Placer, Auto Grade & 3 Track and similar types; Side Booms; Multiple Unit Earth Movers; Creter Crane; Trench Machine; Pump-crete-Belt Crete-Squeeze Cretes-Screw-type Pumps and Gypsum; Bulker & Pump - Operator will clean; Formless Finishing Machine; Flaherty Spreader or similar types; Screed Man on Laydown Machine; Wheel Tractors (industrial or Farm-type w/Dozer-Hoe-Endloader or other attachments); F.W.D. & Similar Types; Vermeer Concrete Saw.

Class 2. Dinkeys; Power Launches; PH One-pass Soil Cement Machine (and similar types); Pugmill with Pump; Backfillers; Euclid Loader; Forklifts; Jeeps w/Ditching Machine or other attachments; Tuneluger; Automatic Cement and Gravel Batching Plants; Mobile Drills (Soil Testing) and similar types; Gurries and Similar Types; (1) and (2) Drum Hoists (Buck Hoist and Similar Types); Chicago Boom; Boring Machine & Pipe Jacking Machine; Hydro Boom; Dewatering System; Straw Blower; Hydro Seeder; Assistant Heavy Equipment Greaser on Spread; Tractors (Track type) without Power Unit pulling Rollers; Rollers on Asphalt -- Brick Macadem; Concrete Breakers; Concrete Spreaders; Mule Pulling Rollers; Center Stripper; Cement Finishing Machines & CMI Texture & Reel Curing Machines; Cement Finishing Machine; Barber Green or similar loaders; Vibro Tamper (All similar types) Self-propelled; Winch or Boom Truck; Mechanical Bull Floats; Mixers over 3 Bag to 27E; Tractor pulling Power Blade or Elevating Grader; Porter Rex Rail; Clary Screed; Truck Type Hoptoe Oilers; Fireman; Spray Machine on Paving; Curb Machines; Truck Crane Oilers; Oil Distributor; Truck-Mounted Saws.

Class 3. Air Compressor; Power Subgrader; Straight Tractor; Trac Air without attachments; Herman Nelson Heater, Dravo, Warner, Silent Glo, and similar types; Roller: Five (5) Ton and under on Earth or Gravel; Form Grader; Crawler Crane & Skid Rig Oilers; Freight Elevators - permanently installed; Pump; Light Plant; Generator; Conveyor (1) or (2) - Operator will clean; Welding Machine; Mixer (3) Bag and Under (Standard Capacity with skip); Bulk Cement Plant; Oiler on Central Concrete Mixing Plant.

OPERATING ENGINEERS - HEAVY AND HIGHWAY CONSTRUCTION

CLASS 1. Cranes; Hydro Cranes; Shovels; Crane Type Backfiller; Tower, Mobile, Crawler, & Stationary Cranes; Derricks; Hoists (3 Drum); Draglines; Drott Yumbo & Similar Types considered as Cranes; 360 Degree Swing Excavator (Shears, Grapples, Movacs, etc.); Back Hoe; Derrick Boats; Pile Driver and Skid Rigs; Clam Shell; Locomotive - Cranes; Road Pavers - Single Drum - Dual Drum - Tri Batcher; Motor Patrols & Power Blades - Dumore - Elevating & Similar Types; Mechanics; Central Concrete Mixing Plant Operator; Asphalt Batch Plant Operators and Plant Engineers; Gradall; Caisson Rigs; Skimmer Scoop - Koering Scooper; Dredges (all types); Hoptoe; All Cherry Pickers; Work Boat; Ross Carrier; Helicopter; Dozer; Tournadozer; Tournapulls - all and similar types; Operation of Concrete and all Recycle Machines; Multiple Unit Earth Movers; Scoops (all sizes); Pushcats; Endloaders (all types); Asphalt Surfacing Machine; Slip Form Paver; Rock Crusher; Operation of Material Crusher, Screening Plants, and

Tunnel Boring Machine; Heavy Equipment Greaser (top greaser on spread); CMI, Auto Grade, CMI Belt Placer & 3 Track and Similar Types; Side Booms; Asphalt Heater & Planer Combination (used to plane streets); Wheel Tractors (with Dozer, Hoe or Endloader Attachments); CAT Earthwork Compactors and Similar Types; Blaw Knox Spreader and Similar Types; Trench Machines; Pump Crete - Belt Crete - Squeeze Crete - Screw Type Pumps and Gypsum (operator will clean); Creter Crane; Operation of Concrete Pump Truck; Formless Finishing Machines; Flaherty Spreader or Similar Types; Screed Man on Laydown Machine; Vermeer Concrete Saw; Operation of Laser Screed; Span Saw; Dredge Leverman; Dredge Engineer; Lull or Similar Type; Hydro-Boom Truck; Operation of Guard Rail Machine; and Starting Engineer on Pipeline or Construction (11 or more pieces) including: Air Compressor (Trailer Mounted), All Forced Air Heaters (regardless of Size), Water Pumps (Greater than 4-1/2" or Total Discharge Over 4-1/2"), Light Plants, Generators (Trailer Mounted - Excluding Decontamination Trailer), Welding Machines (Any Size or Mode of Power), Conveyor, Mixer (any size), Stud Welder, Power Pac, etc, and Ground Heater (Trailer Mounted).

CLASS 2. Bulker & Pump; Power Launches; Boring Machine & Pipe Jacking Machine; Dinkeys; Operation of Carts, Powered Haul Unit for a Boring Machine; P & H One Pass Soil Cement Machines and Similar Types; Wheel Tractors (Industry or Farm Type - Other); Back Fillers; Euclid Loader; Fork Lifts; Jeep w/Ditching Machine or Other Attachments; Tunneluger; Automatic Cement & Gravel Batching Plants; Mobile Drills - Soil Testing and Similar Types; Pugmill with Pump; All (1) and (2) Drum Hoists; Dewatering System; Straw Blower; Hydro-Seeder; Bump Grinders (self-propelled); Assistant Heavy Equipment Greaser; Apsco Spreader; Tractors (Track-Type) without Power Units Pulling Rollers; Rollers on Asphalt - Brick or Macadam; Concrete Breakers; Concrete Spreaders; Cement Strippers; Cement Finishing Machines & CMI Texture & Reel Curing Machines; Vibro-Tampers (All Similar Types Self-Propelled); Mechanical Bull Floats; Self-Propelled Concrete Saws; Truck Mounted Power Saws; Operation of Curb Cutters; Mixers - Over Three (3) Bags; Winch and Boom Trucks; Tractor Pulling Power Blade or Elevating Grader; Porter Rex Rail; Clary Screed; Mule Pulling Rollers; Pugmill without Pump; Barber Greene or Similar Loaders; Track Type Tractor w/Power Unit attached (minimum); Fireman; Spray Machine on Paving; Curb Machines; Paved Ditch Machine; Power Broom; Self-Propelled Sweepers; Self-Propelled Conveyors; Power Subgrader; Oil Distributor; Straight Tractor; Truck Crane Oiler; Truck Type Oilers; Directional Boring Machine; Horizontal Directional Drill; Articulating End Dump Vehicles; Starting Engineer on Pipeline or Construction (6 -10 pieces) including: Air Compressor (Trailer Mounted), All Forced Air Heaters (regardless of Size), Water Pumps (Greater than 4-1/2" or Total Discharge Over 4-1/2"), Light Plants, Generators (Trailer Mounted - Excluding Decontamination Trailer), Welding Machines (Any Size or Mode of Power), Conveyor, Mixer (any size), Stud Welder, Power Pac, etc., and Ground Heater (Trailer Mounted).

CLASS 3. Straight Framed Truck Mounted Vac Unit (separately powered); Trac Air Machine (without attachments); Rollers - Five Ton and Under on Earth and Gravel; Form Graders; Bulk Cement Plant; Oilers; and Starting Engineer on Pipeline or Construction (3 - 5 pieces) including: Air Compressor (Trailer Mounted), All Forced Air Heaters (regardless of Size), Water Pumps (Greater than 4-1/2" or Total Discharge Over 4-1/2"), Light Plants, Generators (Trailer Mounted - Excluding Decontamination Trailer), Welding Machines (Any Size or Mode of Power), Conveyor, Mixer (any size), Stud Welder, Power Pac, etc., and Ground Heater (Trailer Mounted).

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this

determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.