

SUBMITTED BY:

ILLINOIS CIVIL CONTRACTORS, INC.

CONTRACTOR'S NAME

420 PINECREST DRIVE

CONTRACTOR'S ADDRESS

EAST PEORIA, IL 61611

CITY, STATE, ZIP

STATE OF ILLINOIS

CITY OF PEORIA

COUNTY OF PEORIA

SPECIFICATIONS, PLANS, MATERIAL  
QUANTITIES AND CONTRACT PROPOSAL

FOR

**RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD  
SIDEWALKS AND BIKE PATH CONSTRUCTION-2014**

TO BE CONSTRUCTED UNDER THE PROVISIONS OF  
THE CITY OF PEORIA



BID OPENING: July 22, 2014, 11 a.m.

Bid Awarded: 8/26/14 #14-352

A handwritten signature in black ink, appearing to read "Scott Reese".

Scott Reese, P.E., City Engineer



**CONTRACT**

1. THIS AGREEMENT made and entered into this 26<sup>th</sup> day of August, 2014 by and between the City of Peoria, Illinois, a municipal corporation, known as the Party of the First Part, and **ILLINOIS CIVIL CONTRACTORS, INC.** 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 Item Descriptions and Unit Prices on the contractor bid Schedule of Prices for the , 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, to be determined by the City through work orders issued by the Office of the City Engineer on a case by case basis for projects similar in scope to that of the base bid, for the amount Not to Exceed a total of **TWO HUNDERED SIXTY-THREE THOUSAND, EIGHT HUNDRED EIGHTY TWO AND 47/100 DOLLARS--(\$263,882.47)**
  
3. AND IT IS ALSO UNDERSTOOD AND AGREED that the Special Provision, Proposal and Contract Bond attached, and the Plans for the **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION-2014** in the City of Peoria, Illinois, dated August 26, 2014, and the "Standard Specifications for Road and Bridge Construction" prepared by the Illinois Department of Transportation as adopted on January 1, 2007, and as revised, are all essential documents of this Contract and are a part hereof.

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

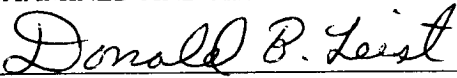
APPROVED:

**PARTY OF THE FIRST PART  
THE CITY OF PEORIA**

BY:   
City Manager

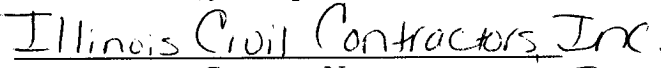
ATTEST:   
City Clerk

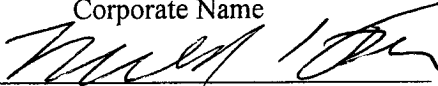
EXAMINED AND APPROVED:

  
Corporation Counsel

**PARTY OF THE SECOND PART:**

*(If a Corporation)*

  
Corporate Name

By:   
President

  
Secretary

(CORPORATE SEAL)

*(If a Co-Partnership)*

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
(SEAL)

Partners doing business under the firm name of

\_\_\_\_\_

*(If an Individual)*

\_\_\_\_\_  
(SEAL)

**CITY OF PEORIA**  
**PERFORMANCE BOND**

Bond Number 2155452

KNOW ALL MEN BY THESE PRESENTS, That I/we Illinois Civil Contractors, Inc.

an individual, of \_\_\_\_\_

a co-partnership, of \_\_\_\_\_

a corporation organized under the laws of the State of Illinois

as Principal, and West Bend Mutual Insurance Company

a corporation organized and existing under the laws of the State of Wisconsin with authority to do business in the State of Illinois, as Surety, are held and firmly bound unto the City of

Peoria, Peoria County, State of Illinois, in the penal sum of **TWO HUNDRED SIXTY-THREE THOUSAND, EIGHT HUNDRED EIGHTY TWO AND 47/100**

-----Dollars

(\$263,882.47) lawful money of the United States, well and truly to be paid unto said City of Peoria for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly, severally, and firmly by these presents.

THE CONDITION OF THE FOREGOING OBLIGATIONS IS SUCH that whereas, the said Principal

has entered into a contract with the City of Peoria for **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKEPATH CONSTRUCTION- 2014**

in accordance with the terms and conditions of said contract, which is hereby referred to and made a part hereof as if fully set forth herein;

NOW, THEREFOR, the condition of this obligation is such, that if the above bounden Principal shall well and truly keep, do and perform, each and every, all and singular, the matters and things in said contract set forth and specified to be by said Principal kept, done and performed, at the times and in the manner in said contract specified, or shall pay over, make good and reimburse the City of Peoria, all loss and damage which it may sustain by reason of the failure or default on the part of the Principal so to do, then this obligation shall be null and void; otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have duly executed the foregoing Obligation this 8th day of September, 2014.

**FOR THE CITY OF PEORIA**

EXAMINED AND APPROVED:

Donald B. Leist  
Corporation Counsel

STATE OF Illinois)

Illinois Civil Contractors Inc.

Principal

West Bend Mutual Insurance Company

Sureties

Ronald A Koopman  
Ronald A Koopman

COUNTY OF Macon ) SS

I, Glenda Hoffman, a Notary Public in and for said County, in the State aforesaid, do hereby certify that Ronald A Koopman, who is personally known to me to be the same person who signed the above foregoing instrument as the Attorney in Fact for West Bend Mutual Insurance Company, appeared before me this day in person and acknowledged that he signed the name of

Ronald A Koopman, thereto, as his Principal, and his own name as Attorney in Fact, as the free and voluntary act of his said Principal for the uses and purposes therein set forth, and that he executed the said instrument under authority given him by his said Principal.

Given under my hand and Notarial Seal, this 8th day of September, 201~~2~~4

Glenda Hoffman  
Notary Public



**Power of Attorney**

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

RONALD A KOOPMAN

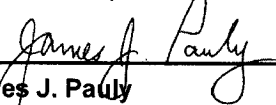
lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: Seven Million Dollars (\$7,000,000)

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

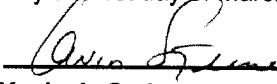
*Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.*

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest

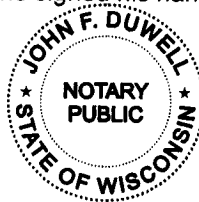
  
James J. Pauly  
Secretary

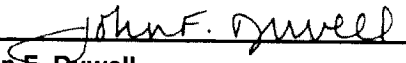


  
Kevin A. Steiner  
Chief Executive Officer / President

State of Wisconsin  
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.




  
John F. Duwell  
Executive Vice President - Chief Legal Officer  
Notary Public, Washington Co. WI  
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 8 day of September, 2014



  
Dale J. Kent  
Executive Vice President -  
Chief Financial Officer



ILL2000

OP ID: RT

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

09/09/14

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


<b>PRODUCER</b> J.L.Hubbard Insurance & Bonds 1090 South Route 51, PO Box 14 Forsyth, IL 62535-0014 Kevin J. Breheny	217-877-3344 217-877-0795	CONTACT NAME: <b>Randy Taylor</b> PHONE (A/C, No, Ext): <b>217-877-3344</b> E-MAIL ADDRESS: <b>rtaylor@jlhubbard.com</b>	FAX (A/C, No): <b>217-877-0795</b>
	<b>INSURED</b> Illinois Civil Contractors Inc ICCI Equipment Company LLC 420 Pinecrest Drive East Peoria, IL 61611		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: <b>West Bend Mutual Insurance</b> NAIC # <b>15350</b> INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR / WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC		CPB2029599	12/31/13	12/31/14	EACH OCCURRENCE \$ <b>1,000,000</b> DAMAGE TO RENTED PREMISES (Ea occurrence) \$ <b>200,000</b> MED EXP (Any one person) \$ <b>10,000</b> PERSONAL & ADV INJURY \$ <b>1,000,000</b> GENERAL AGGREGATE \$ <b>2,000,000</b> PRODUCTS - COMP/OP AGG \$ <b>2,000,000</b> \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		CPB2029599	12/31/13	12/31/14	COMBINED SINGLE LIMIT (Ea accident) \$ <b>1,000,000</b> BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ <b>10,000</b>		CPB2029599	12/31/13	12/31/14	EACH OCCURRENCE \$ <b>8,000,000</b> AGGREGATE \$ <b>8,000,000</b> \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N/A		WCB2029600	12/31/13	12/31/14	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ <b>1,000,000</b> E.L. DISEASE - EA EMPLOYEE \$ <b>1,000,000</b> E.L. DISEASE - POLICY LIMIT \$ <b>1,000,000</b>
A	<b>Rented Equipment</b>		CPB2029599	12/31/13	12/31/14	Limit <b>1,000,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Re: Ravinwoods Road, Alta Road & Mossville Road Sidewalks and Bike Path Construction - 2014

<b>CERTIFICATE HOLDER</b>  ICC0263  City of Peoria 419 Fulton Street Peoria, IL 61602	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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STATE OF ILLINOIS  
CITY OF PEORIA

**NOTICE TO CONTRACTORS**

1. Time and Place of Opening Bids.

Sealed proposals for the improvement described herein will be received at the Office of the City Engineer, Public Works Facility, 3505 N. Dries Lane, Peoria, Illinois, until **11:00 a.m., Tuesday, July 22nd, 2014** and at that time publicly opened and read.

2. Description of Work.

(A) Proposed improvement is officially known as **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION-2014.**

(B) The proposed improvement consists of the removal of HMA pavement, curb, trees and earthwork necessary for the construction of HMA Bike Paths or PCC Sidewalks along Ravinwoods Road, Alta Road or Mossville Road as designated in the plans. The work will also include a drainage structure, ADA Ramps, signage, pedestrian signals, pavement markings, pipe culverts, and all necessary adjustments, incidentals and appurtenances.

3. Instructions to Bidders.

(A) Plans and proposal forms may be obtained electronically by emailing a request to [pwdropbox@peoriagov.org](mailto:pwdropbox@peoriagov.org) or as a compact disc (CD) by calling 309-494-8800, the Office of the City Engineer, 3505 N. Dries Lane, Peoria, Illinois. IDOT prequalification is required for submission of proposals.

(B) All proposals must be accompanied by cash, certified check, cashier's check or a bid bond for not less than five percent (5%) of the amount of the bid. Bidders should submit Section 1, "Proposal Items" of the bid document in its entirety, as their Proposals. The successful bidder will be required to furnish a satisfactory Performance Bond for the full amount of the contract, with sureties, to be approved by the City Engineer. Compliance with the Illinois Prevailing Wage Act is required under this contract.

(C) All work shall be in compliance with specifications and all state and federal laws and regulations.

4. Rejection of Bids.

The City of Peoria reserves the right to reject any or all proposals as provided in Section 102 of the "Standard Specifications for Road and Bridge Construction," and LRS6 Recurring Special Provision, prepared by the Department of Transportation of the State of Illinois.



STATE OF ILLINOIS  
CITY OF PEORIA

PROPOSAL

1. Proposal of ILLINOIS CIVIL CONTRACTORS, INC. - 420 PINECREST DRIVE - EAST PEORIA, IL  
i. (Name and Address of Bidder)  
For the improvement, designated in Paragraph 2 below.
2. The contract documents for the proposed improvements are those prepared by TERRA Engineering, Ltd. and the City of Peoria Engineering Department and approved in April 2014, which contract documents, are designated as **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION-2014.**
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 Section 100, General Requirements and Covenants.
5. The undersigned agrees to complete the work, by **October 31, 2014** unless additional time is granted in accordance with Article 108.08 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 IN LIEU OF CHECK.

**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 shall 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 Federal, State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating and has not been suspended or debarred from receiving federal funding.
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 2011-12 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):

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

XX 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: 02533-150331

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

15. The City of Peoria can increase or decrease this contract up to 25% to meet its budgetary needs.
16. The undersigned submits herewith this Schedules of Prices covering the work to be performed under this contract.

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# RETURN WITH BID

## SCHEDULE OF PRICES



County Peoria  
 Local Public Agency City of Peoria  
 Section Various  
 Route Various

Schedule for Single Bid

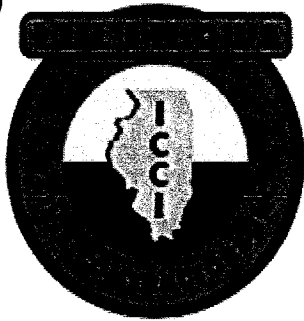
(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
20100200	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	24		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	110		
20200100	EARTH EXCAVATION	CU YD	634		
28C00400	PERIMETER EROSION BARRIER	FOOT	2881		
28C00500	INLET AND PIPE PROTECTION	EACH	6		
28100101	STONE RIPRAP, CLASS A1	SQ YD	18		
28200200	FILTER FABRIC	SQ YD	18		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	3541		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1530		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	513		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	0.9		
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1917		
42400800	DETECTABLE WARNINGS	SQ FT	278		
44000100	PAVEMENT REMOVAL	SQ FT	5475		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	165		
44000600	SIDEWALK REMOVAL	SQ FT	1069		
542A5479	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	33		
542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	FOOT	37		
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	18		
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	FOOT	4		
50200100	STRUCTURE EXCAVATION	CU YD	48		
50300225	CONCRETE STRUCTURES	CU YD	8		
50300255	CONCRETE SUPERSTRUCTURES	CU YD	5		
50800105	REINFORCEMENT BARS	POUND	1492		
50901720	BICYCLE RAILING	FOOT	33		
56109210	WATER VALVES TO BE ADJUSTED	EACH	3		
60255500	MANHOLES TO BE ADJUSTED	EACH	1		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	131.5		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	43.0		
67100100	MOBILIZATION	LSUM	1		
72000100	SIGN PANEL TYPE 1	SQ FT	8		
72900100	METAL POST TYPE A	FOOT	22		
81028350	UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	19		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	634		
87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	634		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	29		
87502430	TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.	EACH	1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		
87900200	DRILL EXISTING HANDHOLE	EACH	1		
88102825	PEDESTRAIN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4		
88800100	PEDESTRAIN PUSH-BUTTON	EACH	4		
Z0004002	BOLLARDS	EACH	6		
X7010208	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1		
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	75		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		
	<b>TOTAL</b>				



# Bid Proposal



## Illinois Civil Contractors, Inc.

420 Pinecrest Drive  
 East Peoria, IL 61611  
 Contact: Michael Fehr  
 Phone: 309-694-4224  
 Fax: 309-694-5676

Quote To: City of Peoria  
Phone:  
Fax:

Job Name: Ravinswood, Alta, Mossville Walks/Path

Bid Date: 7/22/2014  
Addendum(s): 1

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
20100200	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	24.00	UNIT	34.37	824.88
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	110.00	UNIT	45.11	4,962.10
20200100	EARTH EXCAVATION	634.00	CU Y	30.31	19,216.54
28000400	PERIMETER EROSION BARRIER	2,881.00	FOOT	3.96	11,408.76
28000500	INLET AND PIPE PROTECTION	6.00	EACH	210.83	1,264.98
28100101	STONE RIPRAP, CLASS A1	18.00	SQ Y	74.19	1,335.42
28200200	FILTER FABRIC	18.00	SQ Y	3.10	55.80
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	3,541.00	SQ Y	7.28	25,778.48
40600100	BITUMINOUS MATERIALS (PRIME COAT)	1,530.00	GALL	5.48	8,384.40
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	513.00	TON	130.59	66,992.67
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	0.90	TON	322.19	289.97
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	1,917.00	SQ F	8.00	15,336.00
42400800	DETECTABLE WARNINGS	278.00	SQ F	22.62	6,288.36
44000100	PAVEMENT REMOVAL	5,475.00	SQ F	1.80	9,855.00
44000500	COMBINATION CURB AND GUTTER REMOVAL	165.00	FOOT	13.50	2,227.50
44000600	SIDEWALK REMOVAL	1,069.00	SQ F	1.73	1,849.37
542A5479	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SI	33.00	FOOT	129.74	4,281.42
542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	37.00	FOOT	37.72	1,395.64
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	18.00	FOOT	50.77	913.86
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, E	4.00	FOOT	946.14	3,784.56
50200100	STRUCTURE EXCAVATION	48.00	CU Y	62.90	3,019.20
50300225	CONCRETE STRUCTURES	8.00	CU Y	459.19	3,673.52
50300255	CONCRETE SUPERSTRUCTURES	5.00	CU Y	1,014.74	5,073.70
50800105	REINFORCEMENT BARS	1,492.00	POUN	1.39	2,073.88
50901720	BICYCLE RAILING	32.70	FOOT	171.00	5,591.70
56109210	WATER VALVES TO BE ADJUSTED	3.00	EACH	148.85	446.55
60255500	MANHOLES TO BE ADJUSTED	1.00	EACH	447.87	447.87

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	131.50	FOOT	43.47	5,716.31
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	43.00	FOOT	53.95	2,319.85
67100100	MOBILIZATION	1.00	LSUM	10,000.00	10,000.00
72000100	SIGN PANEL TYPE 1	8.00	SQ F	40.32	322.56
72900100	METAL POST TYPE A	22.00	FOOT	40.16	883.52
81028350	UNDERGROUND CONDUIT, PVC 2" DIA.	19.00	FOOT	40.81	775.39
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	634.00	FOOT	2.15	1,363.10
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	634.00	FOOT	2.15	1,363.10
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CON	29.00	FOOT	4.83	140.07
87502430	TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.	1.00	EACH	1,127.66	1,127.66
87800100	CONCRETE FOUNDATAION, TYPE A	3.00	FOOT	252.38	757.14
87900200	DRILL EXISTING HANDHOLE	1.00	EACH	209.42	209.42
88102825	PEDESTRAIN SIGNAL HEAD, POLYCAROBONATE, LED, 1-FAC	4.00	EACH	845.60	3,382.40
88800100	PEDESTRAIN PUSH-BUTTON	4.00	EACH	306.08	1,224.32
89502210	Modify Existing Controller Cabinet	2.00	EACH	1,476.70	2,953.40
Z0004002	BOLLARDS	6.00	EACH	944.06	5,664.36
X7010208	TRAFFIC CONTROL AND PROTECTION, SPECIAL	1.00	L SU	3,656.97	3,656.97
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	75.00	SQ F	51.72	3,879.00
Z0013798	CONSTRUCTION LAYOUT	1.00	L SU	11,260.47	11,260.47
<b>GRAND TOTAL</b>					<b>\$263,771.17</b>

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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.

(If an individual) Signature of Bidder \_\_\_\_\_

Business Address \_\_\_\_\_  
\_\_\_\_\_

(If a partnership) Firm Name \_\_\_\_\_

Signed by \_\_\_\_\_  
President

Business Address \_\_\_\_\_  
\_\_\_\_\_

Insert Names \_\_\_\_\_  
and Addresses \_\_\_\_\_  
of all partners: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(If a corporation) Corporate Name ILLINOIS CIVIL CONTRACTORS, INC.

Signed by *Michel L. Fehr*

Business Address 420 PINECREST DRIVE  
EAST PEORIA, IL 61611

Insert Names  
of Officers:

MICHEL L. FEHR  
President  
JEFFREY FUERST  
Secretary  
MICHAEL L. FEHR  
Treasurer

Attest: *Jeff Fuerst*  
Secretary



## 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**

**PROJECT**

Name: ILLINOIS CIVIL CONTRACTORS, INC.  
 Address: 420 PINECREST DR - EAST PEORIA, IL  
 Phone: 309-694-4224  
 Contact Person: MICHAEL L. FEHR  
 Email: MFEHR@ILCIVIL.COM

Name: RAVINSWOOD/ALTA/MOSSVILLE SIDEWALKS  
 Total Contract Value: \_\_\_\_\_

Ownership Status: MBE  WBE  M/WBE  Non-M/WBE

**Section III: Selected Subcontractors**

Subcontractor Name	MBE, WBE or Non M/WBE	Amount	% of Total Contract	Scope of Work
Millenia	DBE	10,485		Lamp post
"	DBE	16,559		Erosion/Restoration/Wall
Honolen	NON	5,128		Fence
TAZ. County Ashph.	NON	70,454		BIT.
MCS	WBE	4,176		Traffic Control/signs
Seal Trucking	WBE	9,000		Trucking
LASER Electric	NON	13,374		Electric
<b>TOTALS</b>				

*\*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	WALL	NOT LOW
LEC Biscoini	TRUCKING	NOT LOW

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

For Office Use Only

Reviewed by: \_\_\_\_\_



**Section V: Subcontractors Contacted (M/WBE Only)**

Subcontractor Name	Method of Contact	Contact Outcome

*SEE ATTACHED*

*\*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.

*[Handwritten Signature]*  
 \_\_\_\_\_  
 Signature of Prime Contractor

07/22/14  
 \_\_\_\_\_  
 Date

Org.: May 2008  
 Revised: Feb. 2011

For Office Use Only  
 Reviewed by: \_\_\_\_\_



420 PINECREST DRIVE • EAST PEORIA, ILLINOIS 61611  
PHONE: 309-694-4224 • FAX: 309-694-5676

Name of Project: C of PEO - RAVINSWOOD/ALTA/MOSSVILLE SIDEWALKS

Bid Date: 7/21/2014

Companies Contacted	Date	Companies Responded		Response	
		YES	NO	YES	NO
DUNBAR TRANSFER	7/10/14				
L V ENTERPRISES					
LEO BROWN TRUCKING				✓	
N E RUDD TRUCKING					
SEARLE TRUCKING				✓	

**CITY OF PEORIA  
M/WBE PARTICIPATION WAIVER REQUEST**

**PRIME CONTRACTOR**

Name: ILLINOIS CIVIL CONTRACTORS, INC.  
Address: 420 PINECREST DR - EAST PEORIA, IL  
Phone: 309-694-4224  
Contact Person: MICHAEL L. FEHR

**PROJECT**

Name: RAVINSWOOD/ALTA/MOSSVILLE  
SIDEWALKS

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: \_\_\_\_\_  
(Company Official)

DATE: 07/22/14

**FOR OFFICE USE ONLY**

**APPROVED**

**DISAPPROVED**

REVIEWED BY \_\_\_\_\_

DATE \_\_\_\_\_

*Rommerswold*



### Proposal Bid Bond

**RETURN WITH BID**

Route \_\_\_\_\_  
 Municipality City of Peoria  
 Rd. Dist./Twnshp \_\_\_\_\_  
 County Peoria  
 Section \_\_\_\_\_

WE Illinois Civil Contractors Inc, 420 Pinecrest Drive  
East Peoria, IL 61611 as PRINCIPAL, an West Bend Mutual Insurance Company  
1900 S. 18th St., P.O. Box 1995, West Bend, WI 53095 as SURETY.

are held and firmly bound unto THE CITY OF PEORIA (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids. We bind ourselves, our heirs, executors, administrators, successors and assigns, 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 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 set forth in the preceding paragraph, then the 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 22nd day of July A.D. 2014

Principal

Illinois Civil Contractors Inc.  
(Company Name)

By: *West Bend* (Signature and Title) President  
(Signature and Title)

Surety

West Bend Mutual Insurance Company  
(Name of Surety)

By: *Tim R Patton* (Signature of Attorney-in-Fact)  
Tim R Patton (Signature of Attorney-in-Fact)

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

STATE OF ILLINOIS,  
 COUNTY OF Macon  
 I, Barbara Rose, a Notary Public in and for said county,  
 do hereby certify that Tim R Patton & MICHAEL L. FEHR  
(Insert names of individuals signing on behalf of PRINCIPAL & 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 22nd day of July A.D. 2014

**NOTICE**

1 Improper execution of this form (i.e. missing signatures or seals or incomplete certification) will result in bid being declared irregular

2 If bid bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with bid

My commission expires May 14, 2017  
*Barbara Rose*  
(Notary Public)





2155452

### Power of Attorney

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

TIM R PATTON

lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: Seven Million Dollars (\$7,000,000)

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

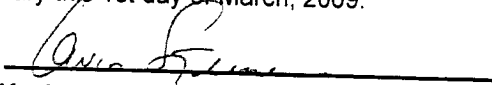
*Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.*

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest

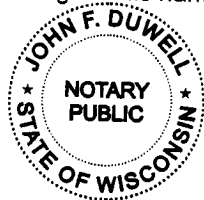
  
James J. Pauly  
Secretary

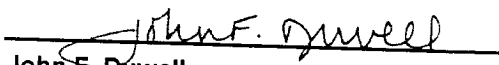


  
Kevin A. Steiner  
Chief Executive Officer / President

State of Wisconsin  
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that is was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.

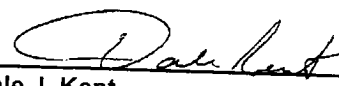


  
John F. Duwell  
Executive Vice President - Chief Legal Officer  
Notary Public, Washington Co. WI  
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 22 day of July, 2014



  
Dale J. Kent  
Executive Vice President -  
Chief Financial Officer



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## TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
<b>PROPOSAL ITEMS</b>	
NOTICE TO CONTRACTORS .....	1
PROPOSAL .....	2-4
SCHEDULE OF PRICES .....	6
SIGNATURE PAGE .....	8
BID BOND .....	9
SUB-CONTRACTOR UTILIZATION STATEMENT .....	10-11
M/WBE PARTICIPATION WAIVER REQUEST .....	12
<b>GENERAL CONDITIONS</b>	
LOCATION MAP .....	15
DESCRIPTION OF WORK .....	16
DEFINITION OF TERMS .....	16
FAILURE TO COMPLETE WORK ON TIME .....	17
RESPONSIBILITY FOR DAMAGE CLAIMS .....	17
QUALIFICATION OF CONTRACTORS .....	17
CONTRACTOR'S INSURANCE .....	18-19
PROOF OF CARRIAGE OF INSURANCE .....	19
GURANTEE PERIOD .....	20
PROSECUTION AND PROGRESS OF WORK .....	20
EXISTING UNDERGROUND FACILITIES .....	20
COOPERATION WITH UTILITY COMPANIES .....	20
NOTIFICATION OF UTILITIES PRIOR TO CONSTRUCTION .....	21
J.U.L.I.E. SYSTEM .....	21
CERTIFIED PAYROLL REQUIREMENTS .....	21
PREVAILING WAGE PROVISION .....	21-27
SUBSTANCE ABUSE PREVENTION PROGRAM .....	27
PROTECTION OF THE PUBLIC .....	28
ITEMS DESIGNATED OR REMOVAL AND EXCAVATION .....	28
CITY SIGNS .....	28
TRAFFIC CONTROL & PROTECTION .....	29
DAMAGE TO EXISTING TREES .....	30
VAULTS .....	30
SAWCUTTING .....	30
CONTACT PERSON .....	30
<b>EQUAL OPPORTUNITY REQUIREMENTS</b>	
EEO CONTRACT COMPLIANCE CLAUSE .....	32-33
REQUIREMENTS FOR GOOD FAITH EFFORTS .....	34-40
HUMAN RIGHTS ACT .....	41
<b>ROADWORK SPECIAL PROVISIONS</b>	
SALVAGING EXISTING MATERIAL .....	43
CONSTRUCTION DEBRIS .....	43
EROSION CONTROL .....	43
EARTH EXCAVATION .....	44

## TABLE OF CONTENTS (cont.)

<u>ITEM</u>	<u>PAGE</u>
COMBINATION CURB AND SIDEWALK REMOVAL, SIDEWALK REMOVAL.....	44
DRIVEWAY PAVEMENT REMOVAL, PAVEMENT REMOVAL .....	44
CURB REMOVAL, COMBINATION CURB & GUTTER REMOVAL.....	44-45
SUBBASE GRANULAR MATERIAL .....	45
REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL & PLACEMENT OF SUBBASE GRANULAR MATERIAL.....	45
P.C.C. SIDEWALK, 4" .....	45-46
COMBINATION CONCRETE CURB & GUTTER .....	46
INCIDENTAL HOT MIX ASPHALT SURFACING (SPECIAL) .....	46
CURING COMPOUND .....	46
CONCRETE FIBERS.....	47
SEEDING & MULCHING.....	47
SIDEWALK RAMPS FOR THE DISABLED .....	47
DETECTABLE WARNINGS .....	47-48
SIGN PANEL, TYPE 1 .....	48
VEHICLE CONTROL BOLLARDS.....	48
SEGMENTAL CONCRETE BLOCK WALL.....	48-52
 <b>APPENDIX A</b>	
<b>EEO DOCUMENTS</b>	
EMPLOYER REPORT CC-1 .....	55
MINORITY AND WOMEN BUSINESS ENTERPRISE DIRECTORY .....	56
EQUAL EMPLOYMENT OPPORTUNITY .....	56
MINORITY AND FEMALE WORKFORCE UTILIZATION.....	56
 <b>CONTRACT DELIVERABLES</b>	
SUBCONTRACTOR PAYMENT FORM.....	58
MONTHLY WORKFORCE ANALYSIS.....	59
NOTIFICATION OF CHANGE IN PARTICIPATION .....	60
 <b>MISCELLANEOUS</b>	
SAMPLE CONTRACT.....	62
 <b>STANDARDS</b>	
STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS .....	65-72
TEMPORARY EROSION CONTROL SYSTEMS .....	73
PERPENDICULAR CURB RAMPS FOR SIDEWALKS .....	74-75
DEPRESED CORNER FOR SIDEWALKS.....	76
ENTRANCE/ALLEY PEDESTRIAN CROSSINGS .....	77
CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIA. ....	78-80
CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" THRU 72" EQUIVALENT DIA. ....	81-83
PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION .....	84
CONCRETE CURB TYPE B & COMBINATION CURB & GUTTER.....	85-86
OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY.....	87
OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE.....	88
LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS .....	89
TRAFFIC CONTROL DEVICES .....	90-92
SIGN PANE MOUNTING DETAILS .....	93
METAL POSTS FOR SIGNS, MARKERS & DELINEATORS .....	94
TELESCOPING STEEL SIGN SUPPORT.....	95
CONTROL AND EXPANSION JOINT DETAIL P.C.C. SIDEWALK, 4" .....	96

# **PROPOSAL ITEMS**

STATE OF ILLINOIS  
CITY OF PEORIA

**NOTICE TO CONTRACTORS**

1. Time and Place of Opening Bids.

Sealed proposals for the improvement described herein will be received at the Office of the City Engineer, Public Works Facility, 3505 N. Dries Lane, Peoria, Illinois, until **11:00 a.m., Tuesday, July 22nd, 2014** and at that time publicly opened and read.

2. Description of Work.

- (A) Proposed improvement is officially known as **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION-2014.**
- (B) The proposed improvement consists of the removal of HMA pavement, curb, trees and earthwork necessary for the construction of HMA Bike Paths or PCC Sidewalks along Ravinwoods Road, Alta Road or Mossville Road as designated in the plans. The work will also include a drainage structure, ADA Ramps, signage, pedestrian signals, pavement markings, pipe culverts, and all necessary adjustments, incidentals and appurtenances.

3. Instructions to Bidders.

- (A) Plans and proposal forms may be obtained electronically by emailing a request to [pwdropbox@peoriagov.org](mailto:pwdropbox@peoriagov.org) or as a compact disc (CD) by calling 309-494-8800, the Office of the City Engineer, 3505 N. Dries Lane, Peoria, Illinois. IDOT prequalification is required for submission of proposals.
- (B) All proposals must be accompanied by cash, certified check, cashier's check or a bid bond for not less than five percent (5%) of the amount of the bid. Bidders should submit Section 1, "Proposal Items" of the bid document in its entirety, as their Proposals. The successful bidder will be required to furnish a satisfactory Performance Bond for the full amount of the contract, with sureties, to be approved by the City Engineer. Compliance with the Illinois Prevailing Wage Act is required under this contract.
- (C) All work shall be in compliance with specifications and all state and federal laws and regulations.

4. Rejection of Bids.

The City of Peoria reserves the right to reject any or all proposals as provided in Section 102 of the "Standard Specifications for Road and Bridge Construction," and LRS6 Recurring Special Provision, prepared by the Department of Transportation of the State of Illinois.



STATE OF ILLINOIS  
CITY OF PEORIA

**PROPOSAL**

1. Proposal of \_\_\_\_\_  
i. (Name and Address of Bidder)  
For the improvement, designated in Paragraph 2 below.
2. The contract documents for the proposed improvements are those prepared by TERRA Engineering, Ltd. and the City of Peoria Engineering Department and approved in April 2014, which contract documents, are designated as **RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION-2014.**
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 Section 100, General Requirements and Covenants.
5. The undersigned agrees to complete the work, by **October 31, 2014** unless additional time is granted in accordance with Article 108.08 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 \$ \_\_\_\_\_.

**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 shall 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 Federal, State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating and has not been suspended or debarred from receiving federal funding.

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 2011-12 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):

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: \_\_\_\_\_

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

15. The City of Peoria can increase or decrease this contract up to 25% to meet its budgetary needs.

16. The undersigned submits herewith this Schedules of Prices covering the work to be performed under this contract.

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**RETURN WITH BID**  
**SCHEDULE OF PRICES**



County Peoria  
Local Public Agency City of Peoria  
Section Various  
Route Various

**Schedule for Single Bid**

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

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
20100200	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	24		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	110		
20200100	EARTH EXCAVATION	CU YD	634		
28000400	PERIMETER EROSION BARRIER	FOOT	2881		
28000500	INLET AND PIPE PROTECTION	EACH	6		
28100101	STONE RIPRAP, CLASS A1	SQ YD	18		
28200200	FILTER FABRIC	SQ YD	18		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	3541		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1530		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	513		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	0.9		
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1917		
42400800	DETECTABLE WARNINGS	SQ FT	278		
44000100	PAVEMENT REMOVAL	SQ FT	5475		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	165		
44000600	SIDEWALK REMOVAL	SQ FT	1069		
542A5479	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	33		
542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	FOOT	37		
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	18		
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	FOOT	4		
50200100	STRUCTURE EXCAVATION	CU YD	48		
50300225	CONCRETE STRUCTURES	CU YD	8		
50300255	CONCRETE SUPERSTRUCTURES	CU YD	5		
50800105	REINFORCEMENT BARS	POUND	1492		
50901720	BICYCLE RAILING	FOOT	33		
56109210	WATER VALVES TO BE ADJUSTED	EACH	3		
60255500	MANHOLES TO BE ADJUSTED	EACH	1		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	131.5		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	43.0		
67100100	MOBILIZATION	LSUM	1		
72000100	SIGN PANEL TYPE 1	SQ FT	8		
72900100	METAL POST TYPE A	FOOT	22		
81028350	UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	19		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	634		
87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	634		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 10	FOOT	29		
87502430	TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.	EACH	1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		
87900200	DRILL EXISTING HANDHOLE	EACH	1		
88102825	PEDESTRAIN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4		
88800100	PEDESTRAIN PUSH-BUTTON	EACH	4		
Z0004002	BOLLARDS	EACH	6		
X7010208	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1		
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	75		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		
				<b>TOTAL</b>	

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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.

(If an individual) Signature of Bidder \_\_\_\_\_

Business Address \_\_\_\_\_  
\_\_\_\_\_

---

(If a partnership) Firm Name \_\_\_\_\_

Signed by \_\_\_\_\_  
President

Business Address \_\_\_\_\_  
\_\_\_\_\_

Insert Names \_\_\_\_\_  
and Addresses \_\_\_\_\_  
of all partners: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

---

(If a corporation) Corporate Name \_\_\_\_\_

Signed by \_\_\_\_\_

Business Address \_\_\_\_\_  
\_\_\_\_\_

Insert Names  
of Officers:

\_\_\_\_\_  
President

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Treasurer

Attest: \_\_\_\_\_  
Secretary



Proposal Bid Bond

RETURN WITH BID

Route
Municipality City of Peoria
Rd. Dist./Twnshp
County Peoria
Section

WE \_\_\_\_\_ as PRINCIPAL, an \_\_\_\_\_ as SURETY.

are held and firmly bound unto THE CITY OF PEORIA (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids. We bind ourselves, our heirs, executors, administrators, successors and assigns, 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 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 set forth in the preceding paragraph, then the 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 \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

Principal

(Company Name) (Company Name)
By: (Signature and Title) By: (Signature and Title)

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

(Name of Surety) By: (Signature of Attorney-in-Fact)

STATE OF ILLINOIS,

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said county,

do hereby certify that \_\_\_\_\_ (Insert names of individuals signing on behalf of PRINCIPAL & 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 \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

NOTICE
1. Improper execution of this form (i.e. missing signatures or seals or incomplete certification) will result in bid being declared irregular.
2. If bid bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with bid

My commission expires \_\_\_\_\_

(Notary Public)





## 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**

**PROJECT**

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Ownership Status: MBE  WBE  M/WBE  Non-M/WBE

Name: \_\_\_\_\_  
 Total Contract Value: \_\_\_\_\_

**Section III: Selected Subcontractors**

Subcontractor Name	MBE, WBE or Non M/WBE	Amount	% of Total Contract	Scope of Work
<b>TOTALS</b>				

*\*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

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

For Office Use Only  
 Reviewed by: \_\_\_\_\_

**Section V: Subcontractors Contacted (M/WBE Only)**

Subcontractor Name	Method of Contact	Contact Outcome

*\*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

\_\_\_\_\_  
Date

Org.: May 2008  
Revised: Feb. 2011

For Office Use Only  
Reviewed by: \_\_\_\_\_

**CITY OF PEORIA  
M/WBE PARTICIPATION WAIVER REQUEST**

**PRIME CONTRACTOR**

**PROJECT**

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Contact Person: \_\_\_\_\_

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: \_\_\_\_\_  
(Company Official)

DATE: \_\_\_\_\_

**FOR OFFICE USE ONLY**

**APPROVED**

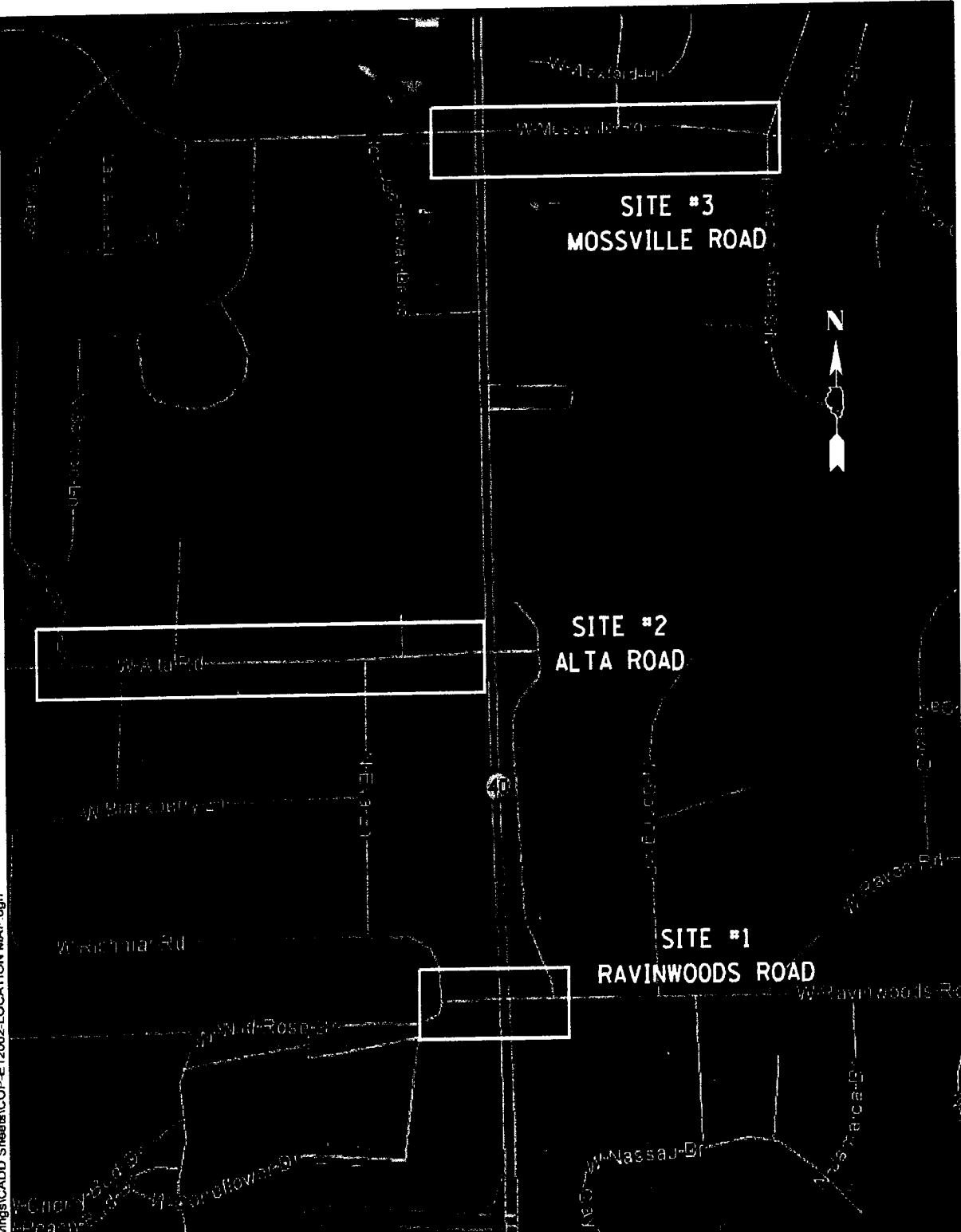
**DISAPPROVED**


REVIEWED BY \_\_\_\_\_

DATE \_\_\_\_\_

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# **GENERAL CONDITIONS**



<b>CITY OF PEORIA</b>		
<b>RAVINWOODS/ALTA/MOSSVILLE LOCATION MAP</b>		
SCALE: NTS .....	TERRA PROJ. NO. 12-142	
DATE: 06/02/14		FIGURE 1
PREPARED BY: CL		
CHECKED BY: CL		

STATE OF ILLINOIS  
CITY OF PEORIA

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2012, the latest edition of the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways" in effect on the date of invitation for bids, the "Standard Specifications for Traffic Control Items," adopted January 1, 2014 and the "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2014, included herein which apply to and govern the construction of RAVINWOODS ROAD, ALTA ROAD & MOSSVILLE ROAD SIDEWALKS AND BIKE PATH CONSTRUCTION, 2014, in the City of Peoria, Peoria County, and in case of conflict with any part of said specifications, the said Special Provisions shall take precedence and shall govern.

**DESCRIPTION OF WORK**

The proposed improvement consists of the installation of 1,476 square feet of P.C.C. sidewalks along the northern Right-of-Way of Ravinwoods Road and the installation of HMA bike trails along Alta Road and Mossville Road. The bike trail along Alta Road is composed of 1,700 feet of HMA pavement, a 12.5' stream crossing, concrete ramps, earthwork, aggregate base and other appurtenances. The bike trail along Mossville Road is composed of 1,300 feet of HMA pavement, concrete ramps, pedestrian signals, electrical conduit, earthwork, aggregate base, signage and other appurtenances.

**DEFINITION OF TERMS**

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

Article 101.14 Department. The City of Peoria or its Representative.

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 on 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.

### **FAILURE TO COMPLETE WORK ON TIME**

Should the Contractor fail to complete the work by **OCTOBER 31, 2014**. The Contractor shall be liable to the City of Peoria at a rate of \$750.00 per day for every day worked over the contract time to cover all costs incurred for engineering, inspection and other expenses incurred by the City of Peoria by reason of the Contractor's failure to complete the work within the specified time, and such amount shall be deducted from the monies due the Contractor, not as a penalty, but as damages sustained.

### **RESPONSIBILITY FOR DAMAGE CLAIMS**

The Contractor shall indemnify and save harmless the CITY OF PEORIA, its officers, agents, 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, 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**

Contractors shall be qualified before plans and proposal documents will be provided for bidding. In general, contractors qualified by the State of Illinois, Department of Transportation to perform the work indicated in the proposal will be acceptable to the City of Peoria, Engineering Division; but, the City Engineer reserves the right to refuse to accept a bid from a State-qualified contractor and will state his reasons, in writing, for said refusal if requested by the contractor.

Contractors who have done similar work and an improvement of similar size for the City in the past normally are qualified by their past performances.



Contractors not qualified as indicated above shall be required to submit a listing of jobs of a similar nature with an indication of the dollar value of said jobs and the person or company for whom the work was performed so that a check of the quality of the work can be made, as well as the performance and financial ability of the contractor. The City Engineer will approve or disapprove the contractor, and the decision shall be final. If desired by the contractor, the City Engineer will provide his reasons for disapproving any contractor from bidding on the proposed improvement.

### 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 there under.

### 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 of 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 Insured 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.

### **GUARANTEE PERIOD**

The Contractor warrants all work performed under this contract is free from defects and was performed in accordance with the Contract Documents for a period of one (1) year from the date of agreement of final quantities, as agreed in writing, by the City Engineer after all parties have signed the document. In case of acceptance of a part of the work for use prior to the agreement to final quantities, the guarantee for the part so accepted shall be for a period of one (1) year from the date of such partial acceptance, in writing, by the City Engineer. Work performed due to this warranty requirement shall be guaranteed for a period of one (1) year. The Guarantee Period may be further amended in the Roadwork Special Provision.

### **PROSECUTION AND PROGRESS OF WORK**

Special attention is called to Section 108 of the "Standard Specifications for Road and Bridge Construction," and specifically to Article 108.03, which states that the Contractor shall notify the Engineer at least twenty-four (24) 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 in charge of work 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.

### **EXISTING UNDERGROUND FACILITIES**

The City of Peoria assumes 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.

### **COOPERATION WITH UTILITY COMPANIES**

It is understood and agreed that the contractor has considered, in his 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 due to any interference from the said utility appurtenances or the operations of moving them.

All telephone, cableway, gas, water and wire lines, 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.

## **NOTIFICATION OF UTILITIES PRIOR TO CONSTRUCTION**

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. Specifically, Ameren, Comcast Communications, Frontier Communications and the Illinois-American Water Co., have requested that they be notified prior to the start of construction. 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

## **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.

## **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. Certified payrolls are to be submitted on EPrismSoft, per the EEO guidelines outlined in Section VII of the Good Faith Efforts Requirements, herein.

## **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 revised on a monthly basis and can be found on the Illinois Department of Labor's website.

It shall be the contractor's responsibility to monitor the prevailing wages and adjust his payroll accordingly as soon as any rates are revised by the Department of Labor.

# Peoria County Prevailing Wage for July 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	15.07	0.000	0.800
ASBESTOS ABT-GEN	HWY			29.580	31.080	1.5	1.5	2.0	7.700	16.19	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			36.750	39.750	2.0	2.0	2.0	7.070	15.84	0.000	0.350
BRICK MASON	BLD			32.380	33.880	1.5	1.5	2.0	8.600	9.870	0.000	0.590
CARPENTER	BLD			30.380	32.630	1.5	1.5	2.0	8.000	14.71	0.000	0.520
CARPENTER	HWY			31.650	33.900	1.5	1.5	2.0	8.000	15.46	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			29.890	0.000	1.5	1.5	2.0	8.600	10.05	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	5.850	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			31.870	33.870	1.5	1.5	1.5	10.25	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			31.810	33.710	1.5	1.5	2.0	9.390	12.91	0.000	0.540
IRON WORKER	HWY			35.340	37.340	1.5	1.5	2.0	9.390	12.91	0.000	0.540
LABORER	BLD			25.470	26.970	1.5	1.5	2.0	7.700	15.07	0.000	0.800
LABORER	HWY			28.830	30.330	1.5	1.5	2.0	7.700	16.19	0.000	0.800
LABORER, SKILLED	BLD			25.870	27.370	1.5	1.5	2.0	7.700	15.07	0.000	0.800
LABORER, SKILLED	HWY			29.130	30.630	1.5	1.5	2.0	7.700	16.19	0.000	0.800
LATHER	BLD			30.380	32.630	1.5	1.5	2.0	8.000	14.71	0.000	0.520
MACHINERY MOVER	HWY			35.340	37.340	1.5	1.5	2.0	9.390	12.91	0.000	0.540
MACHINIST	BLD			44.350	46.850	1.5	1.5	2.0	6.760	8.950	1.850	0.000
MARBLE FINISHERS	BLD			29.890	0.000	1.5	1.5	2.0	8.600	10.05	0.000	0.580
MARBLE MASON	BLD			31.650	32.900	1.5	1.5	2.0	8.600	10.05	0.000	0.580
MILLWRIGHT	BLD			30.800	33.050	1.5	1.5	2.0	8.000	14.63	0.000	0.520
MILLWRIGHT	HWY			32.220	34.470	1.5	1.5	2.0	8.000	15.39	0.000	0.520
OPERATING ENGINEER	BLD 1			37.050	40.050	1.5	1.5	2.0	7.000	17.48	0.000	3.000
OPERATING ENGINEER	BLD 2			34.450	40.050	1.5	1.5	2.0	7.000	17.48	0.000	3.000
OPERATING ENGINEER	BLD 3			30.160	40.050	1.5	1.5	2.0	7.000	17.48	0.000	3.000
OPERATING ENGINEER	HWY 1			37.000	40.000	1.5	1.5	2.0	7.000	17.48	0.000	3.000
OPERATING ENGINEER	HWY 2			34.400	40.000	1.5	1.5	2.0	7.000	17.48	0.000	3.000
OPERATING ENGINEER	HWY 3			30.110	40.000	1.5	1.5	2.0	7.000	17.48	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			31.380	33.630	1.5	1.5	2.0	8.000	14.71	0.000	0.520
PILEDRIVER	HWY			32.650	34.900	1.5	1.5	2.0	8.000	15.46	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			30.580	32.110	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	8.620	14.18	0.000	0.780
SIGN HANGER	HWY			35.340	37.340	1.5	1.5	2.0	9.390	12.91	0.000	0.540
SPRINKLER FITTER	BLD			37.120	39.870	1.5	1.5	2.0	8.420	8.500	0.000	0.350
STEEL ERECTOR	HWY			35.340	37.340	1.5	1.5	2.0	9.390	12.91	0.000	0.540
STONE MASON	BLD			32.380	33.880	1.5	1.5	2.0	8.600	9.870	0.000	0.590
SURVEY WORKER-> NOT IN EFFECT	BLD			28.900	30.400	1.5	1.5	2.0	7.700	14.86	0.000	0.800
TERRAZZO FINISHER	BLD			29.890	0.000	1.5	1.5	2.0	8.600	10.05	0.000	0.580
TERRAZZO MASON	BLD			31.650	32.900	1.5	1.5	2.0	8.600	10.05	0.000	0.580
TILE MASON	BLD			31.650	32.900	1.5	1.5	2.0	8.600	10.05	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	32.380	33.880	1.5	1.5	2.0	8.600	9.870	0.000	0.590

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 unloading 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, vector 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.

#### **SUBSTANCE ABUSE PREVENTION PROGRAM**

Before the Contractor and any Subcontractor commences work, the Contractor and any Subcontractor shall have in place a written Substance Abuse Prevention Program for the prevention of substance abuse among its employees, which meets or exceeds the requirements in P.A. 95-0635 or shall have a collective bargaining agreement in effect dealing with the subject matter of P.A. 95-0635.

The Contractor and any Subcontractor shall file with a public body: a copy of the substance abuse prevention program along with a cover letter certifying that their program meets the requirements of the Act, or a letter certifying that the Contractor or a Subcontractor has a collective bargaining agreement in effect dealing with the subject matter of the Act.

### **PROTECTION OF THE PUBLIC**

In general, 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 incidental to the item of work for which the traffic control is needed, and no additional compensation will be allowed.

### **ITEMS DESIGNATED FOR REMOVAL AND EXCAVATION**

All removal items and excavated material remain the property of the Contractor unless otherwise indicated in the contract documents. The Contractor shall dispose of the removed items and/or excavated material outside the limits of the improvement as the Contractor may provide. Excavated material to remain on the job site shall be placed as directed by the Engineer.

### **CITY SIGNS**

The contractor, at his own expense, shall be required, as directed by the Engineer, to relocate or remove and reinstall all street, traffic, parking, etc. signs belonging to the City within the limits of the improvement. All signs which interfere with construction operations shall be removed, stored in a place away from work, and replaced by the contractor after the improvement has been completed if they are not required for traffic control. Signs which are required for traffic control shall be reinstalled at a temporary location acceptable to the Engineer, in a workmanlike manner, visible to traffic, and maintained straight and neat for the duration of the temporary setting. Signs shall not be moved until progress of the work demands the relocation. The cost of this item shall be included in the contract unit price bid for the item of work which necessitated the removal.

## **TRAFFIC CONTROL & PROTECTION**

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 "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.

Special attention is called to Articles 107.09 and 107.14 of the "Standard Specifications for Road and Bridge Construction," applicable "Recurring Supplemental Specifications and Special Provisions" and the following Highway Standards relating to traffic control:

### **(701001, 701006; 701301; and 701901)**

When construction operations require the closure of one lane, except turn lanes, the closure of said lane shall require the use of the specified arrow board per Standard 701901. The work shall be performed as directed by the Engineer.

Traffic movement should be inhibited as little as practical. Motorists should be guided in a clear and positive manner while approaching and traversing construction work areas. To ensure acceptable levels of operation, routine inspection of traffic control elements should be performed. The contractor will be required to inspect and initiate any needed maintenance to the traffic control devices on this contract. All traffic control devices shall be removed immediately when no longer needed. Construction equipment, materials and debris should be stored in such a manner as to not be vulnerable to vehicle impact, as directed by the Engineer.

The Contractor is expected to maintain a minimum of one lane open to traffic at all times for traffic. The roadway may be closed for short periods in order to offload materials. However, this operation must take place with proper traffic control signage and/or flagmen as noted in the traffic control standards contained herein. Roadway closures, regardless of duration must be coordinated with City of Peoria Police and Fire Departments. It is absolutely necessary that one lane of roadway can be used by fire, police, and other emergency vehicles at all times under all weather conditions.

The contractor shall, at all times, maintain a means for sidewalk traffic to detour the job. He shall also provide a minimum of interference to vehicular traffic and shall maintain barricades and warning signs as provided by the "Standard Specifications for Road and Bridge Construction."

The Contractor will be responsible for scheduling his operations to provide access to all businesses located along the improvement that have current access to the street. No less than one entrance to each commercial parking lot or building shall remain open at all times during construction.

The Contractor will be responsible with scheduling garbage pickup in the neighborhood along with notifying in writing no less than 3 calendar days before removing any part of existing alleys or driveways.

**Non-Conformance:** If the Contractor fails to comply with the above conditions, the Engineer may suspend the Contractor's work until the Contractor is in compliance with the above conditions.

TRAFFIC CONTROL AND PROTECTION will not be paid for separately, but shall be considered incidental to the affected items of work to be done.

### **DAMAGE TO EXISTING TREES**

All necessary precautions shall be taken to prevent damage to existing trees. 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 directed by the Engineer at the expense of the Contractor.

### **VAULTS**

After the wall of the structure has been blocked (at property owner expense) and the concrete floor broke; the vault shall either be filled with flowable fill within 2" of grade and leveled with CA-6 or filled completely with granular material as directed by engineer within 10" of grade and topped with 6" of CA-6. All costs will be paid for per Article 109.04.

### **SAWCUTTING**

Sawcutting shall be required at all locations where new concrete meets existing concrete unless otherwise approved by the Engineer. This shall be considered incidental to the item of construction involved and no additional compensation will be allowed.

### **CONTACT PERSON**

The Consultant who will be responsible for this contract is TERRA Engineering, Ltd. Any questions you may have in reference to any portion of the bidding process can be directed to them. They will provide invoicing quantities and amounts to the Contractor after the completion of work on a monthly basis. Their phone number is 309-999-0123.

# **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.

## EEO Contract Compliance Clause

Page 2

- (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)





## MINORITY AND WOMEN'S BUSINESS ENTERPRISE (M/WBE) PARTICIPATION

### REQUIREMENTS FOR GOOD-FAITH EFFORTS (Projects exceeding \$50,000)

#### 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.

#### 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](mailto: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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## 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.



# **ROADWORK SPECIAL PROVISIONS**

### **SALVAGING EXISTING MATERIAL**

All existing municipally owned street castings, millings and pavement brick, 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. Sidewalk brick shall not be considered pavement brick and the contractor will have the salvage rights to the sidewalk brick removed, unless otherwise noted in the contract documents. Said street castings, millings and pavement brick shall be separated from other removal materials and hauled by the Contractor to the City's yard on Darst Street. The Contractor shall contact David Haste at 309-494-8861, in advance of hauling salvaged materials to the City's yard on Darst Street.

The cost of salvaging and hauling existing municipally owned street castings, millings and pavement brick, 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.

### **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.

This documentation shall be included in applicable item of construction and shall not be paid for separately.

### **EROSION CONTROL**

The Contractor shall install erosion control systems as necessary or as directed by the Engineer to prevent sediment from entering the City's storm drainage system or exiting the construction area. Erosion control systems shall be installed as necessary or as directed by the Engineer prior to stockpiling of material on the project site. The Contractor shall be responsible for the cost of cleanup and damages resulting from failure to comply with this provision. This work shall be considered incidental to the affected items of work and no additional compensation will be allowed.

The Contractor shall sweep and return to the work site any soil tracked onto the street by the end of the workday or before four (4) hours has elapsed, whichever is sooner. This work shall be considered incidental to the affected items of work and no additional compensation will be allowed.

## **EARTH EXCAVATION**

This work shall be performed in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction except for the following:

All earth excavation and disposal of surplus excavation required to construct the project including, but not limited to: curb, curb and gutter, gutter flag, combination curb & sidewalk, sidewalk, topsoil placement, tie slopes, grading & shaping, grading & shaping of back slopes adjacent to failed wall sections, placement of granular material, and other miscellaneous grading will **not** be measured and paid for separately but shall be included in the cost of the contract.

Where topsoil placement is indicated on the plans, the contractor shall provide and place material suitable for growing grass. The contractor may obtain this material from stockpiled excavation within the project limits or from outside the right-of-way. No additional payment will be made for furnishing and placing topsoil, regardless of how the material is obtained.

## **COMBINATION CURB AND SIDEWALK REMOVAL & SIDEWALK REMOVAL**

This work shall consist of the removal of all combination curb/sidewalk and sidewalk as directed by the Engineer. This work shall be done in accordance with Section 440 of the "Standard Specifications for Road and Bridge Construction." Payment for removal and replacement will not be allowed for items removed beyond the limits of construction or those items damaged needlessly by the contractor. The cost of sawing pavement where noted or directed by the engineer shall be incidental to the item of work.

This work will be paid for at the contract unit price per SQUARE FOOT for SIDEWALK REMOVAL ; which shall include saw cutting, removing and disposing of said structure, all labor, tools, materials and equipment necessary to complete this work as specified.

## **DRIVEWAY PAVEMENT REMOVAL & PAVEMENT REMOVAL**

This work shall consist of the removal of all driveway pavement and other pavements as directed by the Engineer. This work shall be done in accordance with Section 440 of the "Standard Specifications for Road and Bridge Construction." Payment for removal and replacement will not be allowed for items removed beyond the limits of construction or those items damaged needlessly by the contractor. The cost of sawing pavement where noted or directed by the engineer shall be incidental to the item of work.

This work will be paid for at the contract unit price per SQUARE YARD for DRIVEWAY PAVEMENT REMOVAL and PAVEMENT REMOVAL; which shall include saw cutting, removing and disposing of said structure, all labor, tools, materials and equipment necessary to complete this work as specified.

## **CURB REMOVAL AND COMBINATION CURB & GUTTER REMOVAL**

This work shall consist of the removal of all existing curb as directed by the Engineer. This work shall be done in accordance with Section 440 of the "Standard Specifications for Road and Bridge Construction." Payment for removal and replacement will not be allowed for items removed beyond the limits of construction or those items damaged needlessly by the contractor. The cost of sawing pavement

where noted or directed by the engineer shall be incidental to the item of work.

This work will be paid for at the contract unit price per FOOT for CURB REMOVAL and COMBINATION CURB & GUTTER REMOVAL, which shall include saw cutting, removing and disposing of said structure, all labor, tools, materials and equipment necessary to complete this work as specified.

#### **SUBBASE GRANULAR MATERIAL**

This item shall be in accordance with applicable portions of Section 311 of the "Standard Specifications for Road and Bridge Construction."

*Locations where existing curb, combination curb & gutter, gutter flag, sidewalk, or combination curb & sidewalk are being removed and replaced* – this work shall consist of placing Subbase Granular Material, Type B as needed to prepare the sub-base to the proper elevation. The thickness of aggregate required will vary – no additional compensation will be provided for varying thicknesses. This work will **not** be paid for separately but included in the cost of the item the granular material is required for.

*Locations where new curb, combination curb & gutter, gutter flag, sidewalk, or combination curb & sidewalk are being constructed for the first time* - this work shall consist of providing a minimum of four inches (4") of Subbase Granular Material, Type B having a gradation of CA-6, compacted in place to provide the proper sub-base for curb, combination curb & gutter, gutter flag, sidewalk, and combination curb & sidewalk in accordance with the plans and as directed by the Engineer. This work will be paid for at the contract unit price per SQUARE YARD for SUBBASE GRANULAR MATERIAL, TYPE B 4".

All excavation required to prepare the sub-grade prior to placement of the granular material will not be paid for separately but included in the cost of the item the granular material is required for.

#### **REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL & PLACEMENT OF SUBBASE GRANULAR MATERIAL**

This work shall be performed in accordance with section 202 of the "Standard Specifications for Road and Bridge Construction."

This work shall consist of the removal and disposal of unsuitable sub-grade material and placement of sub-base granular material located under the curb, combination curb & gutter, gutter flag, sidewalk, and combination curb & sidewalk. This work shall be performed at the discretion of the Engineer.

This work will **not** be paid for separately but included in the cost of the pavement structure being constructed on the sub-grade.

#### **P.C.C. SIDEWALK, 4"**

This work will be performed in accordance with Section 424 of the "Standard Specifications for Road and Bridge Construction" and City Standards.

The method of measurement shall be the total exposed surface area of the walk in square feet for each

property.

This work will be paid for at the contract unit price bid per SQUARE FOOT for P.C.C. SIDEWALK, 4", which shall include all labor, excavation, earth backfill along the sidewalk, seeding, curing compound, tools and equipment necessary to complete this work as specified.

#### **COMBINATION CONCRETE CURB & GUTTER**

This work shall be in accordance with Section 606 of the Standard Specifications, special details included with the contract documents, and as directed by the Engineer. The combination curb & gutter shall be formed on both the front and back, and the curb portion shall have the same curved face as the existing curb. A minimum of one expansion joint shall be installed per each section of curb & gutter replacement and as detailed in the plans.

As soon as the concrete has cured enough so as to not cause marring or other damage to the concrete, the Contractor shall saw-cut contraction joints in the curb at intervals not to exceed 15'. When combination concrete curb and gutter is poured adjacent to the sidewalk, the Contractor shall ensure that the expansion and contraction joints match the sidewalk joints to prevent random cracking.

This work shall be paid for at the contract unit price per foot for **COMBINATION CONCRETE CURB & GUTTER of the Type specified**, which shall include all labor, excavation, earth backfill, curing compound, material, & equipment necessary to complete the work. Curing compound shall be applied to all exposed surface and will be considered incidental to this item of work.

#### **INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)**

This item will be constructed in accordance to section 408 of the "Standard Specifications for Road and Bridge Construction", except that all necessary BITUMINOUS MATERIALS (PRIME COAT) and AGGREGATE (PRIME COAT) will be included in the cost of this item. The work will consist of sawing and milling a minimum of 3" in depth and one foot from the face of curb or outside edge of gutter flag, in the areas disturbed during removal, disposal of asphalt, grading and compacting base if necessary, applying the prime coat, and placing 3" of Hot-Mix Asphalt Surface Course. This work will also consist of placing concrete base course or aggregate base course at the direction of the engineer if needed to fill the void between the new sidewalk and existing pavement. This work will not be paid for separately but included in the cost of the Incidental Hot-Mix Asphalt Surfacing (Special).

The work will be paid for at the contract unit price per SQ FT for INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL), which shall include all saw cutting, removal, prime, concrete base course, aggregate base course, excavation, labor, tools, materials and equipment necessary to complete the work as specified.

#### **CURING COMPOUND**

This item shall be furnished and applied in accordance with Article 1020.13 of the "Standard Specifications" except as herein provided.

Curing Compound shall be applied to all exposed Portland Cement Concrete Surfaces.

*This work will **not** be paid for separately but shall be included in the cost of the item of the construction bid.*

### **CONCRETE FIBERS**

The contractor may use micro-fibers in lieu of the welded wire mesh. The micro-fibers and dosage rate shall be approved by the engineer prior to use. The dosage rate shall meet the recommendations of the supplier. The micro-fibers shall be supplied by an IDOT approved supplier of synthetic fibers.

Concrete fibers will not be paid for separately but shall be included in the cost of the concrete item.

### **SEEDING AND MULCHING**

This work shall consist of broadcasting Class 1 (Lawn Mixture) seed over all earthen areas disturbed by construction in accordance with Article 250 of the Standard Specifications. All seeded areas shall immediately be mulched using Method 1 in accordance with Article 251 of the Standard Specifications.

Seeding and Mulching will **not** be paid for separately, but shall be considered incidental to the construction contract.

### **SIDEWALK RAMPS FOR THE DISABLED**

Sidewalk ramps shall be constructed per ADA requirement. Details of ramps are per Highway Standard 424001-07, 424006-01, 424011-01, 424016-01, 424021-01, 424026-01, and 424031-01. Any variation in the shape of curbs and sidewalk or needed landscaping of dirt at a corner to accommodate ramps for the handicapped shall not be paid for separately, but shall be considered incidental to the item of construction involved.

### **DETECTABLE WARNINGS**

This work shall consist of a 24-inch strip of the Federal Standard color 30166, brick red, as its standard of detectable warning in the direction of travel and shall extend the full width of the curb ramp or flush surface. This work shall conform to the details given in the plans and in accordance with Section 424 of the "Standard Specifications for Road and Bridge Construction".

Detectable warnings shall be installed at all designated ADA ramps per the appropriate IDOT curb ramp standard.

The following will be the acceptable construction techniques.

1. Cast-in-Place truncated dome ramps must be formed with a rigid mold. Every area of the tool shall be tamped directly above the stamp to form a uniform appearance. The concrete used shall be Class X (SI) concrete that has the Federal Standard color 30166, brick red, the entire depth. Broadcasting brick red dye or painting the sidewalk brick red **will not** be acceptable methods.
2. DetecTile PFC Composite truncated dome panels. Panels must be the Federal Standard color 22144, brick red. Panels shall be placed within the Class X (SI) concrete. They shall have a minimum of four anchors per ceramic panel to secure the panels to the concrete ramp.

3. Armor-Tile Tactile Systems manufactured of Diamond-Hard Vitrified Polymer truncated panels. Panels must be the Federal standard color 22144, brick red.
4. Pre-Cast concrete truncated dome ramp panels. The panels shall be a minimum of 2-inches thick with the entire depth consisting of Class X (SI) concrete that is Federal Standard color 22144, brick red. The pre-cast panels shall have wire mesh or fiber mesh reinforcement. Tapered edges or holes so that dowel reinforcement rod can be placed within the insert shall be acceptable methods. These shall be placed before placing the rest of the ramp so that they are tightly secured into place.

Final determination of acceptability shall be the responsibility of the construction engineer.

**THESE FOUR METHODS ARE THE ONLY ACCEPTABLE MEANS FOR TRUNCATED DOME RAMPS WITHIN THE CITY OF PEORIA.**

Detectable Warnings will be paid for at the contract unit price per square foot of surfacing, which shall include all labor, tools, materials and equipment necessary to complete the work as specified.

#### **SIGN PANEL – TYPE 1**

All signs shall be of the same design and shape as shown in the plans and as specified in the latest edition of the “Standard Highway Sign” as described in the “Manual on Uniform Traffic Control Devices” published by the Federal Highway Administration. Sign shall be installed at the locations indicated on the plans and in the schedules.

This work shall be paid for at the contract unit price for SIGN PANEL – TYPE 1.

#### **VEHICLE CONTROL BOLLARDS**

This shall include all materials, equipment and labor required to install three vehicle control bollards at each location shown on the plans in accordance with the details provided. Each location shall have two fixed steel bollards and one collapsible steel bollard as shown in the bollard details. The collapsible bollard shall have reflector tape applied on each side so it can be seen from both directions of travel. The flexible bollards shall be Trafficguard Model #RFP 3548R or approved equivalent. The collapsible bollard shall be Trafficguard Model #LPHDHB or approved equivalent.

All paint, reflector tape, aggregate, concrete and necessary hardware shall be incidental to the cost of the bollards. Material shall meet the requirements of ASTM 120.

This work shall be paid for at the contract unit price per each for VEHICLE CONTROL BOLLARDS.

#### **SEGMENTAL CONCRETE BLOCK WALL (GBSP)**

Effective: January 7, 1999

Revised: October 30, 2012

**Description.** This work shall consist of furnishing the design computations, shop plans, materials, equipment and labor to construct a Segmental Concrete Block Retaining Wall to the limits shown on the plans.

**General.** The wall shall consist of a leveling pad, precast concrete blocks (either dry-cast or wet cast), select fill and, if required by the design, soil reinforcement. The wall shall be designed and constructed according to the lines, grades, and dimensions shown on the contract plans and approved shop plans.

**Submittals.** The wall supplier shall submit design computations and shop plans to the Engineer according to Article 1042.03(b) of the Standard Specifications. No work or ordering of materials for the structure shall be done by the Contractor until the submittal has been approved in writing by the Engineer. The shop plans shall be sealed by an Illinois Licensed Structural Engineer and shall include all details, dimensions, quantities, and cross sections necessary to construct the wall and shall include, but not be limited to, the following items:

(a) Plan, elevation, and cross section sheet(s) for each wall showing the following:

(1) A plan view of the wall indicating the offsets from the construction centerline to the first course of blocks at all changes in horizontal alignment. These shall be calculated using the offsets to the front face of the block shown on the contract plans and the suppliers proposed wall batter. The plan view shall indicate bottom (and top course of block when battered), the excavation and select fill limits as well as any soil reinforcing required by the design. The centerline of any drainage structure or pipe behind or passing through/under the wall shall also be shown.

(2) An elevation view of the wall, indicating the elevation and all steps in the top course of blocks along the length of the wall. The top of these blocks shall be at or above the theoretical top of block line shown on the contract plans. This view shall also show the steps and proposed top of leveling pad elevations as well as the finished grade line at the wall face specified on the contract plans. These leveling pad elevations shall be located at or below the theoretical top of leveling line shown on the contract plans. The location, size, and length of any soil reinforcing connected to the blocks shall be indicated.

(3) Typical cross section(s) showing the limits of the select fill, soil reinforcement if used in the design. The right-of-way limits shall be indicated as well as the proposed excavation, cut slopes, and the elevation relationship between existing ground conditions and proposed grades.

(4) All general notes required for constructing the wall.

(b) All details for the leveling pads, including the steps, shall be shown. The theoretical top of the leveling pad shall either be below the anticipated frost depth or 1.5 ft. (450 mm) below the finished grade line at the wall face, whichever is greater; unless otherwise shown on the plans. The minimum leveling pad thickness shall be 6 in. (152 mm)

(c) Cap blocks shall be used to cover the top of the standard block units. The top course of blocks and cap blocks shall be stepped to satisfy the top of block line shown on the contract plans.

(d) All details of the block and/or soil reinforcement placement around all appurtenances located behind, on top of, or passing through the wall shall be clearly indicated. Any modifications to the design of these appurtenances to accommodate a particular design arrangement shall also be submitted.

(e) All details of the blocks, including color and texture shall be shown. The exterior face shall preferably be straight, textured with a "split rock face" pattern, and dark gray in color unless otherwise stated on the plans.

(f) All block types (standard, cap, corner, and radius turning blocks) shall be detailed showing all dimensions.

(g) All blocks shall have alignment/connection devices such as shear keys, leading/trailing lips, or pins. The details for the connection devices between adjacent blocks and the block to soil reinforcement shall be shown. The block set back or face batter shall be limited to 20 degrees from vertical, unless otherwise shown by the plans.

**Materials.** The materials shall meet the following requirements:



(a) Dry-Cast Concrete Block: Dry-cast concrete block proposed for use shall be pre-cast and produced according to Article 1042.02 and the requirements of ASTM C1372 except as follows:

1. Fly ash shall be according to Articles 1010.01 and 1010.02(b).
2. Ground granulated blast-furnace slag shall be according to Articles 1010.01 and 1010.05.
3. Aggregate shall be according to Articles 1003.02 and 1004.02, with the exception of gradation.
4. Water shall be according to Section 1002.
5. Testing for freeze-thaw durability will not be required. However, unsatisfactory field performance as determined by the Department will be cause to prohibit the use of the block on Department projects.

(b) Wet-cast Concrete Block: Wet-cast concrete block proposed for use shall be pre-cast and produced according to Section 1020 and Article 1042.02. The concrete shall be Class PC with a minimum compressive strength of at least 3000 psi (31 MPa) at 28 days.

(c) Select fill: The select fill, defined as the material placed in the reinforced volume behind the wall, shall be according to Sections 1003 and 1004 of the Standard Specifications and the following:

(1) Select Fill Gradation. Either a coarse aggregate or a fine aggregate may be used. For coarse aggregate, gradations CA 6 thru CA 16 may be used. For fine aggregate, gradations FA 1, FA 2, or FA 20 may be used.

(2) Select Fill Quality. The coarse or fine aggregate shall have a maximum sodium sulfate ( $\text{Na}_2\text{SO}_4$ ) loss of 15 percent according to Illinois Modified AASHTO T 104.

(3) Select Fill Internal Friction Angle. The effective internal friction angle for the coarse or fine aggregate shall be a minimum 34 degrees according to AASHTO T 236 on samples compacted to 95 percent density according to Illinois Modified AASHTO T 99. The AASHTO T 296 test with pore pressure measurement may be used in lieu of AASHTO T 236. If the vendor's design uses a friction angle higher than 34 degrees, as indicated on the approved shop drawings, this higher value shall be taken as the minimum required.

(4) Select Fill and Geosynthetic Reinforcing. When geosynthetic reinforcing is used, the select fill pH shall be 4.5 to 9.0 according to Illinois Modified AASHTO T 289.

(5) Test Frequency. Prior to start of construction, the Contractor shall provide internal friction angle and pH test results to show the select fill material meets the specification requirements. However, the pH will be required only when geosynthetic reinforcing is used. All test results shall not be older than 12 months. In addition, a sample of select fill material will be obtained for testing and approval by the Department.

Thereafter, the minimum frequency of sampling and testing at the jobsite will be one per 40,000 tons (36,300 metric tons) of select fill material. Testing to verify the internal friction angle will only be required when the wall design utilizes a minimum effective internal friction angle greater than 34 degrees, or when crushed coarse aggregate is not used.

When a fine aggregate is selected, the rear of all block joints shall be covered by a nonwoven needle punch geotextile filter material according to Article 1080.05 of the Standard Specifications and shall have a minimum permeability according to ASTM D4491 of 0.008 cm/sec. All fabric overlaps shall be 6 in. (150 mm) and non-sewn. As an alternative to the geotextile, a coarse aggregate shall be placed against the

back face of the blocks to create a minimum 12 in. (300 mm) wide continuous gradation filter to prevent the select fill material from passing through the block joints.

(d) Leveling pad: The material shall be either Class SI concrete according to Article 1020.04 or compacted coarse aggregate according to Articles 1004.04, (a) and (b). The compacted coarse aggregate gradation shall be CA 6 or CA 10.

(e) Soil Reinforcement: If soil reinforcement is required by the approved design, the Contractor shall submit a manufacturer's certification for the soil reinforcement properties which equals or exceeds those required in the design computations. The soil reinforcement shall be manufactured from high density polyethylene (HDPE) uniaxial or polypropylene biaxial resins or high tenacity polyester fibers with a PVC coating, stored between -20 and 140 ° F (-29 and 60 ° C). The following standards shall be used in determining and demonstrating the soil reinforcement capacities:

ASTM D638 Test Method for Tensile Properties of Plastic  
ASTM D1248 Specification for Polyethylene Plastics Molding and Extrusion Materials  
ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds  
ASTM D5262 Test Method for Evaluating the Unconfined Tension Creep Behavior of Geosynthetics  
GG1-Standard Test Method for Geogrid Rib Tensile Strength  
GG2-Standard Test Method for Geogrid Junction Strength  
GG4-Standard Practice for Determination of the Long Term Design Strength of Geogrid  
GG5-Standard Practice for Evaluating Geogrid Pullout Behavior

**Design Criteria.** The design shall be according to AASHTO Specifications and commentaries for Earth Retaining Walls or FHWA Publication No. HI-95-038, SA-96-071 and SA-96-072. The wall supplier shall be responsible for all internal stability aspects of the wall design.

Internal stability design shall insure that adequate factors of safety against overturning and sliding are present at each level of block. If required by design, soil reinforcement shall be utilized and the loading at the block/soil reinforcement connection as well as the failure surface must be indicated. The calculations to determine the allowable load of the soil reinforcement and the factor of safety against pullout shall also be included. The analysis of settlement, bearing capacity, and overall slope stability are the responsibility of the Department.

External loads such as those applied through structure foundations, from traffic or railroads, slope surcharge etc., shall be accounted for in the internal stability design. The presence of all appurtenances behind, in front of, mounted upon, or passing through the wall volume such as drainage structures, utilities, structure foundation elements, or other items shall be accounted for in the internal stability design of the wall.

**Construction Requirements.** The Contractor shall obtain technical assistance from the supplier during wall erection to demonstrate proper construction procedures and shall include all costs related to this technical assistance in the unit price bid for this item.

The foundation material for the leveling pad and select fill volume shall be graded to the design elevation and compacted according to Article 205.05, except the minimum required compaction shall be 95 percent of the standard laboratory density. The Engineer will perform one density test per 1500 ft (450 m) of the entire length of foundation material through both cut and fill areas. Any foundation soils found to be unsuitable shall be removed and replaced as directed by the Engineer and shall be paid for according to Article 109.04.

The select fill lift placement shall closely follow the erection of each course of blocks. All aggregate shall be swept from the top of the block prior to placing the next block lift. If soil reinforcement is used, the select fill material shall be leveled and compacted before placing and attaching the soil reinforcement to the blocks. The soil

reinforcement shall be pulled taut, staked in place, and select fill placed from the rear face of the blocks outward. The lift thickness shall be the lesser of 10 in. (255 mm) loose measurement or the proposed block height.

The select fill shall be compacted according to Article 205.05, except the minimum required compaction shall be 95 percent of the standard laboratory density. Compaction shall be achieved using a minimum of 3 passes of a lightweight mechanical tamper, roller, or vibratory system. The Engineer will perform one density test per 5000 cu yd (3800 cu m) and not less than one test per 2 ft (0.6m) of lift. The top 12 in. (300 mm) of backfill shall be a cohesive, impervious material capable of supporting vegetation, unless other details are specified on the plans.

The blocks shall be maintained in position as successive lifts are compacted along the rear face of the block. Vertical, horizontal, and rotational alignment tolerances shall not exceed 0.5 in. (12 mm) when measured along a 10 ft. (3 m) straight edge.

**Method of Measurement.** Segmental Concrete Block Wall will be measured by the square foot (square meter) of wall face from the top of block line to the theoretical top of the leveling pad for the length of the wall in a vertical plane, as shown on the contract plans.

**Basis of Payment.** This work will be paid for at the contract unit price per square foot (square meter) for SEGMENTAL CONCRETE BLOCK WALL.

# APPENDIX A

# **EEO DOCUMENTS**

## 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 1<sup>st</sup>, 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

**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

## **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 [http://www.peoriagov.org/content/uploads/2012/10/MBEDirtryrev-Jul-17-2013\\_1374523054\\_add.pdf](http://www.peoriagov.org/content/uploads/2012/10/MBEDirtryrev-Jul-17-2013_1374523054_add.pdf) 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:

[http://www.peoriagov.org/content/uploads/2012/10/MBEDirtryrev-Jul-17-2013\\_1374523054\\_add.pdf](http://www.peoriagov.org/content/uploads/2012/10/MBEDirtryrev-Jul-17-2013_1374523054_add.pdf) 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.**

## **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.

# **CONTRACT DELIVERABLES**



## CITY OF PEORIA SUBCONTRACTOR PAYMENT FORM

**PRIME CONTRACTOR**

**PROJECT**

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Pay Estimate No: \_\_\_\_\_

Phone: \_\_\_\_\_

Percent Complete: \_\_\_\_\_ %

Contact Person: \_\_\_\_\_

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)
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
<b>Total Payment Amount for Work Completed</b>	\$	

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 MONTHLY WORKFORCE ANALYSIS

Check appropriate status

Month Ending \_\_\_\_\_

Contractor  
 Subcontractor

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 every month. 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  
NOTIFICATION OF CHANGE IN PARTICIPATION**

Type of Change \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ Subcontractor. Complete Part 1  
\_\_\_\_\_ Self-Performance. Complete Part 2

**PRIME CONTRACTOR**

**PROJECT**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_

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: \_\_\_\_\_ Title \_\_\_\_\_  
Contractor

# MISCELLANEOUS

**CITY OF PEORIA**  
**CONTRACT**

This agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2013, by and between the City of Peoria, an Illinois Municipal Corporation, Party of The First Part, and \_\_\_\_\_, Party of The Second Part for the improvement known as the \_\_\_\_\_;

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 furnish and deliver all the work, materials and supplies in accordance with the specifications contained in said proposal, and in full compliance with all the terms of this agreement, for the amount of \_\_\_\_\_ (\$\_\_\_\_\_).

IT IS UNDERSTOOD AND AGREED that the instructions to bidders, proposal, bid, specifications, performance bond and maintenance bond are component parts of this contract and shall be deemed a part hereof. It is also understood and agreed that the contractor shall not assign, transfer, convey or otherwise dispose of this contract, or his right to execute it, or his right, title or interest in or to it or any part thereof, unless the previous written consent of the City Manager of the City of Peoria shall first be obtained thereto.

**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).

IN WITNESS WHEREOF, the said parties have executed these presents on the date above mentioned.  
THE CITY OF PEORIA

***PARTY OF THE SECOND PART***

BY: \_\_\_\_\_  
City Manager

\_\_\_\_\_  
(name of individual, firm, or corporation)

ATTEST: \_\_\_\_\_  
City Clerk

BY: \_\_\_\_\_  
(member of firm or officer of corporation)

(If a Co-Partnership)

EXAMINED AND APPROVED:  
\_\_\_\_\_  
Corporation Counsel

\_\_\_\_\_  
\_\_\_\_\_  
(seal) (seal)

Partners doing business under the firm name  
of \_\_\_\_\_ (seal)  
(Party of the second part)

(If an Individual)  
\_\_\_\_\_  
(Party of the second part)

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# STANDARDS

ABOVE ACCESS CONTROL  
 A/C AC ADJ ADJUST SURVEYS  
 AS AGGREGATE  
 AH AHEAD  
 APT APARTMENT  
 ASPH ASPHALT  
 AUX AUXILIARY GAS VALVE (SERVICE)  
 AVS AVENUE  
 AX AXIS OF ROTATION  
 BK BACK  
 B-B BACK TO BACK  
 BKPL BACKPLATE  
 B BARRIAGE  
 BARR BARRICADE  
 BGN BENCHMARK  
 BND BINDER  
 BIT BITUMINOUS  
 BTM BOTTOM  
 BLDY BOULEVARD  
 BRK BRICK  
 BRK BOX  
 BUFG BUFFALO BOX  
 BLDG BUILDING  
 CIP CAST IRON PIPE  
 CB CATCH BASIN  
 C-C CENTER TO CENTER  
 CL CENTERLINE OR CLEARANCE  
 CL-E CENTERLINE TO EDGE  
 CL-F CENTERLINE TO FACE  
 CTS CENTERS  
 CRT CURED  
 CHSL CHISELED  
 CP CITY STREET  
 CLAY CLAY PIPE  
 C-CO CLOSED  
 CLD COAT OR COURT  
 CLD COMBINATION  
 COMB COMMERCIAL BUILDING  
 C COMMERCIAL ENTRANCE  
 CE CONCRETE  
 CONST CONSTRUCT  
 CONT CONTINUED  
 CONT CONTINUOUS  
 COR CORNER  
 COR CORRUGATED METAL PIPE  
 CTRY COUNTY  
 CSE COURSE  
 CH COUNTY HIGHWAY  
 CSE CROSS SECTION  
 M-3 CUBIC METER  
 MM3 CUBIC MILLIMETER  
 CUBIC YARD  
 CURB CURB & GUTTER  
 CURV CURVE  
 DC DEGREE OF CURVE  
 DET DEPRESSURE CURVE  
 DET DETECTOR  
 DIA DIAMETER  
 DIST DISTRICT  
 DOM DOMESTIC  
 DBL DOUBLE  
 DOWN DOWNSLOPE  
 DOW DOWNSLOPE ELEVATION  
 DRN DRAINAGE OR DRIVE  
 DRN DRAINAGE INLET OR DROP INLET  
 DRWY DRIVEWAY  
 DUCT DUCT  
 EA EACH  
 EB EASTBOUND  
 EOP EDGE OF PAVEMENT  
 E-CL EDGE TO CENTERLINE  
 E-E EDGE TO EDGE  
 EL ELEVATION  
 ENTR ENTRANCE  
 EX EXISTING  
 EXCAV EXCAVATION  
 EXP EXPRESSWAY  
 EXT EXTERNAL DISTANCE OF HORIZONTAL CURVE  
 EXT EXTERNAL DISTANCE TO VERTICAL CURVE  
 FACE TO FACE  
 FAD FEDERAL AID  
 FAI FEDERAL AID INTERSTATE  
 FAP FEDERAL AID PRIMARY  
 FAS FEDERAL AID SECONDARY  
 FAVS FEDERAL AID URBAN SECONDARY  
 FPP FENCE POST  
 FE FIELD ENTRANCE  
 FE FIRE HYDRANT  
 FL FLOW LINE  
 FB FOOT BRIDGE  
 FDN FOUNDATION  
 FR FRAME & GRATE  
 FR FRAME  
 FRAY FRAY  
 GAL GALLON  
 GALLY GALVANIZED  
 C GARAGE  
 GV GAS VALVE  
 GV GAS METER  
 GRAM GRANULAR  
 GR GRATE  
 GRVL GRAVEL  
 GND GROUND  
 GUT GUTTER  
 GP GUY POLE  
 GW GUY WIRE  
 HH HANDHOLE  
 HATCH HATCHING  
 HD HEAD  
 HDY HEADY DUTY  
 HMA HOT MIX ASPHALT  
 HRY HIGHWAY  
 HSE HOUSE  
 ILL ILLINOIS  
 IMP IMPROVEMENT  
 IN DIA INCH DIAMETER  
 INL INLET  
 INST INSTALLATION DESIGN STUDY  
 IDS INTERSECTION  
 INV INVERT  
 IRON IRON PIPE  
 IRON IRON ROD  
 IR IR  
 JT JOINT  
 K9 KILOGRAM  
 km KILOMETER  
 LS LANDSCAPING  
 LV LANE  
 L LEFT  
 L LIGHT POLE  
 L LIGHTING  
 LCT LITER OR LINEAR FEET  
 LF LITER OR CURVE LENGTH  
 L LONG CURVE  
 L LONGITUDINAL  
 L SUM LAMP SUM  
 MACH MACHINE  
 MB MAIL BOX  
 MH MANHOLE  
 MATL MATERIAL  
 MED METER  
 M METHOD  
 MID-MID-CURVATURE  
 M MILLIMETER  
 M MILLIMETER DIAMETER  
 MEX MIXTURE  
 MFB MOBILE HOME  
 MOD MODIFIED  
 WFT MOTOR FUEL TANK  
 N A BC MAIL & BOTTLE CAP  
 N A C MAIL & CAP  
 N A W NATIONAL OCEANIC ATMOSPHERIC  
 ADMINISTRATION  
 NOAA NORMAL CROWN  
 NC NORTHBOUND  
 NE NORTHWEST  
 NW NORTHWEST  
 OCLD OCEANIC  
 PAV PAVED  
 PAV PAVEMENT MARKING  
 PAVT PAVEMENT  
 PW PAVEMENT MARKING  
 PED PEDESTAL  
 PC POINT OF CURVATURE  
 PC POINT OF INTERSECTION OF HORIZONTAL  
 CURVE  
 PC POINT OF REVERSE CURVE  
 PRC POINT OF TANGENCY  
 PRT POINT ON TANGENT  
 POLYETHYLENE  
 PCC PORTLAND CEMENT CONCRETE  
 PP PRIME POLE OR PRINCIPAL POINT  
 PRM PRIVATE ENTRANCE  
 PROF PROFILE GRADELINE  
 PROJ PROPERTY CORNER  
 P.C. PROPERTY LINE  
 PROPOSED  
 R RADIUS  
 RR RAILROAD SPIKE  
 RRS REFLECTIVE  
 REF REFERENCE POINT STAKE  
 REINFORCED CONCRETE CONDUIT PIPE  
 REINFORCEMENT  
 REMOVAL  
 REMOVE CROWN  
 REPLACEMENT  
 RESTAURANT  
 RESURFACING  
 RETAINING  
 RET RETAINING  
 ROUTE ROUTE  
 ROUTE-OF-WAY  
 ROADWAY  
 ROUTE ROUTE  
 SANITARY  
 SAN SANITARY SEWER  
 SECTION  
 SEC SEEDING  
 SEED SEEDING  
 SNAP SNAP  
 S SHEET  
 SH SHOULDER OR SOUTHWEST  
 SHLD SHOULDER  
 SHY SIGNING  
 SIG SIGNING  
 SOD SOLID MEDIUM  
 SOUTHWEST  
 SE SOUTHBOUND  
 SE SOUTHBOUND  
 SPL SPECIAL  
 SD SPECIAL DITCH  
 SQ FT SQUARE FEET  
 SQ METER SQUARE METER  
 M 2 SQUARE METERS  
 SQ YD SQUARE YARD  
 SQ YD SQUARE YARD  
 STB STABILIZED  
 STD STANDARD  
 STN STATE ROAD ISSUE  
 STA STATE ROUTE  
 STR STEEL PLATE BEAM GUARDRAIL  
 SPRGR STORM SEWER  
 SS STORM SEWER  
 STY STORY  
 STR STRUCTURE  
 SUPERELEVATION RATE  
 SUPERELEVATION RUNOFF LENGTH  
 SURFACE  
 SURV SURVEY  
 SURV SURVEY MARKER  
 TANGENT DISTANCE  
 TANGENT RUNOUT DISTANCE  
 TEL TELEPHONE  
 TEL TELEPHONE BOX  
 TP TELEPHONE POLE  
 TEMP TEMPORARY BENCH MARK  
 TBM TEMPORARY BENCH MARK  
 T.D. T.B.E. TO BE EXTENDED  
 T.B.E. TO BE REMOVED  
 T.B.S. TO BE SAVED  
 TOWNSHIP  
 TR TRAFFIC SIGNAL  
 TRAFFIC SIGNAL CONTROL BOX  
 TRAFFIC SIGNALS CENTER  
 TRAFFIC SYSTEMS CENTER  
 TRANSVERSE  
 TRAVEL  
 TURN  
 TY TYPE  
 TYPE A  
 TYP TYPICAL  
 UNDERGROUND  
 USGS U.S. GEOLOGICAL SURVEY  
 USEL UPSTREAM ELEVATION  
 USFL UPSTREAM FLOWLINE  
 UTIL UTILITY  
 VALVE BOX  
 VALVE VALVE  
 VALVE VALVE  
 VEHICLE  
 VENT VENT PIPE  
 VERT VERTICAL  
 VC VERTICAL CURVE OF INTERSECTION  
 VPC VERTICAL POINT OF INTERSECTION  
 VPT VERTICAL POINT OF TANGENCY  
 WATER METER  
 WATER VALVE  
 WATER MAIN  
 WESTBOUND  
 WILDFLOWERS  
 WITH  
 WITHOUT  
 W W

**STANDARD SYMBOLS,  
 ABBREVIATIONS  
 AND PATTERNS**

Sheet 1 of 8

STANDARD 00001-06

DATE	REVISIONS
1-1-11	Updated abbreviations and symbols.
1-1-08	Updated abbreviations and symbols.

Illinois Department of Transportation  
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 ENGINEER OF HIGHWAY AND PROJECTS  
 APPROVED [Signature]  
 PROJECT NO. 11-1-11-011  
 PROJECT OF DESIGN AND CONSTRUCTION



**ADJUSTMENT ITEMS**

Structure To Be Adjusted	EX	PR
Structure To Be Cleared	ADJ	C
Main Structure To Be Filled	FM	F
Structure To Be Filled	F	FSP
Structure To Be Filled Special	FSP	R
Structure To Be Removed	R	REC
Structure To Be Reconstructed	REC	RSP
Structure To Be Reconstructed Special	RSP	A
Frame and Grate To Be Adjusted	A	A
Frame and Lid To Be Adjusted	A	A
Domestic Service Box To Be Adjusted	A	A
Valve Vault To Be Adjusted	A	SP
Special Adjustment	SP	AB
Item To Be Abandoned	AB	M
Item To Be Moved	M	REL
Item To Be Relocated	REL	
Pavement Removal and Replacement		

**ALIGNMENT ITEMS**

Baseline	EX	PR
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)		
<b>BOUNDARIES ITEMS</b>	EX	PR
Deeded Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

**CONTOUR ITEMS**

Approx. Index Line	EX	PR
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		
<b>DRAINAGE ITEMS</b>	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Under-drain		
Storm Sewer		
Flowline		
Ditch Check		
Headcut		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
 Sheet 2 of B  
 STANDARD 000001-06

Illinois Department of Transportation  
 ISSUED 1-1-97  
 PASSED January 1, 2011  
 DESIGNED BY [Signature]  
 CHECKED BY [Signature]  
 APPROVED BY [Signature]  
 PROJECT NO. 000001-06

**EROSION & SEDIMENT CONTROL ITEMS**

Cleaning & Grading Limits	PR	EX	PR
Dike			
Erosion Control Fence			
Perimeter Erosion Barrier			
Temporary Fence			
Ditch Check Temporary			
Ditch Check Permanent			
Inlet & Pipe Protection			
Sediment Basin			
Erosion Control Blanket			
Fabric Formed Concrete Treatment Mat			
Turf Reinforcement Mat			
Mulch Temporary			
Mulch Method 1			
Mulch Method 2 Stabilized			
Mulch Method 3 Hydraulic			

**NON-HIGHWAY IMPROVEMENT ITEMS**

Noise Attr./Leaves	EX	PR
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
<b>LANDSCAPING ITEMS</b>		
Contour Mounding Line	EX	PR
Fence		
Fence Post		
Shrubs		
Mowline		
Parasitic Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

**EXISTING LANDSCAPING ITEMS (cont.)**

Seeding Class 5	EX	PR
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstroke w/Sign		
Tree Trunk Protection		
Evergreen Tree		
Shade Tree		
<b>LIGHTING</b>		
Duct		
Conduit		
Electric Aerial Cable		
Electric Buried Cable		
Controller		
Underpass Luminaire		
Power Pole		

Missouri Department of Transportation  
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 PROJECT MANAGER: JAMES W. HARRIS  
 APPROVED: JAMES W. HARRIS  
 MISSOURI DEPARTMENT OF TRANSPORTATION

**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
 (Sheet 3 of 8)  
 STANDARD 000001-06

**LIGHTING**  
(contd.)

Pull Point		<b>PR</b>
Handhole		<b>EX</b>
Heavy Duty Handhole		<b>PR</b>
Junction Box		<b>EX</b>
Light Unit Comb.		<b>PR</b>
Electrical Ground		<b>EX</b>
Traffic Flow Arrow		<b>PR</b>
High Mast Pole (light Size)		<b>EX</b>
Light Unit-1		<b>PR</b>

**PAVEMENT (MISC.)**

Keyed Long. Joint		<b>PR</b>
Keyed Long. Joint w/Tie Bars		<b>PR</b>
Sawed Long. Joint w/Tie Bars		<b>PR</b>
Bituminous Shoulder		<b>PR</b>
Bituminous Taper		<b>PR</b>
Stabilized Driveway		<b>PR</b>
Wicening		<b>PR</b>

**PAVEMENT MARKINGS**

Bike Lane Symbol		<b>EX</b>
Bike Lane Text		<b>EX</b>
Handicap Symbol		<b>EX</b>
RR Crossing		<b>PR</b>
Raised Marker Amber 1 Way		<b>PR</b>
Raised Marker Amber 2 Way		<b>PR</b>
Raised Marker Crystal 1 Way		<b>PR</b>
Two Way Turn Left		<b>PR</b>
Shoulder Diag. Pattern		<b>PR</b>
Skip-Over White		<b>PR</b>
Skip-Over Yellow		<b>PR</b>
Stop Line		<b>PR</b>
Solid Line		<b>PR</b>
Double Centerline		<b>PR</b>
Dotted Lines		<b>PR</b>
CL 21in 2Way RRPM 12.2 m (40') o.c.		<b>PR</b>
CL 21in 2Way RRPM 80' (24.4 m) o.c.		<b>PR</b>
CL Mattlans Div. RRPM 40' (12.2 m) o.c.		<b>PR</b>
CL Mattlans Div. RRPM 80' (24.4 m) o.c.		<b>PR</b>
CL Mattlans Div. Dbl. RRPM 80' (24.4 m) o.c.		<b>PR</b>
CL Mattlans Undiv.		<b>PR</b>
Two Way Turn Left Line		<b>PR</b>

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 APPROVED: [Signature]  
 APPROVED: [Signature]

**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**  
 Sheet 4 of 8  
**STANDARD 000001-06**

**PAVEMENT MARKINGS**  
(continued)

- Urban Combination Left
- Urban Combination Right
- Urban Left Turn Arrow
- Urban Right Turn Arrow
- Urban Left Turn Only
- Urban Right Turn Only
- Urban Thru Only
- Urban U-Turn
- Urban Combined U-Turn
- Rural Combination Left
- Rural Combination Right
- Rural Left Turn Arrow
- Rural Right Turn Arrow
- Rural Left Turn Only
- Rural Right Turn Only
- Rural Thru Only



**RAILROAD ITEMS**

- Abandoned Railroad
- Railroad
- Railroad Point
- Control Box
- Crossing Gate
- Flashing Signal
- Railroad Cont. Mast Arm
- Crossbuck

**REMOVAL ITEMS**

- Removal Tic
- Blindhouse Removal
- Hatch Pattern
- Tree Removal Single

**RIGHT OF WAY ITEMS**

- Future ROW Corner Monument
- ROW Marker
- ROW Line
- Easement
- Temporary Easement

**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**

(Sheet 5 of 8)

STANDARD 000001-96

Illinois Department of Transportation  
 PASSED: [Signature] JANUARY 1, 2011  
 PREPARED BY: [Signature] JUNE 1, 2001  
 AMENDED BY: [Signature] JANUARY 1, 2001  
 PROJECT: I-55/US 41 INTERCHANGE



**SIGNING ITEMS**  
(Cont'd.)

EX	PR
One Way Arrow L-01 (Half Size)	
Two Way Arrow Large W-1-00 (Half Size)	
Detour M-10L-00 (Half Size)	
Detour M-10R-00 (Half Size)	
One Way Left R6-L (Half Size)	
One Way Right R6-R (Half Size)	
Left Turn Lane R3-100L (Half Size)	
Keep Left R4-7AL (Half Size)	
Keep Left R4-7BL (Half Size)	
Keep Right R4-7AR (Half Size)	
Keep Right R4-7BR (Half Size)	
Stop Here On Red R10-5-AL (Half Size)	
Stop Here On Red R10-5-AR (Half Size)	
No Left Turn R3-2 (Half Size)	
No Right Turn R3-1 (Half Size)	
Road Closed R11-2 (Half Size)	
Road Closed Thru Traffic R11-2 (Half Size)	

**STRUCTURES ITEMS**

EX	PR
Box Culvert Barrel	
Box Culvert Headwall	
Bridge Pier	
Bridge	
Retaining Wall	
Temporary Sheet Piling	

**TRAFFIC SHEET ITEMS**

EX	PR
Cable Number	
Left Turn Green	
Left Turn Yellow	
Signal Backplate	
Signal Section 8" (200 mm)	
Signal Section 12" (300 mm)	
Walk/Don't Walk Letters	
Walk/Don't Walk Symbols	

**TRAFFIC SIGNAL ITEMS**

EX	PR
Div. Steel Conduit	
Underground Cable	
Detector Loop Line	
Detector Loop Large	
Detector Loop Small	
Detector Loop Quadrupole	

**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**  
SHEET 7 OF 8  
STANDARD 000001-06

Illinois Department of Transportation  
 PASSED JANUARY 1, 2011  
 PREPARED BY [Signature]  
 APPROVED BY [Signature]  
 ENGINEER OF DESIGN AND CONSTRUCTION  
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TRAFFIC SIGNAL ITEMS (cont'd.)	EX	PR	UTILITY ITEMS (cont'd.)	EX	PR
Detector Roadway			Traffic Signal		
Aluminum Mast Arm			Traffic Signal Control Box		
Steel Mast Arm			Water Meter		
Veh. Detector Magnetic			Water Meter Valve Box		
Conduit Splice			Profile Line		
Controller			Aerial Power Line		
Curb Junction			<b>VEGETATION ITEMS</b>		
Wood Pole			Deciduous Tree		
Temp. Signal Head			Bush or Shrub		
Handhole			Evergreen Tree		
Double Handhole			Stump		
Heavy Duty Handhole			Orchard/Nursery Line		
Junction Box			Vegetation Line		
Ped. Pushbutton Detector			Woods & Bush Line		
Ped. Signal Head			<b>WATER FEATURE ITEMS</b>		
Power Pole Service			Stream or Drainage Ditch		
Priority Veh. Detector			Waters Edge		
Signal Head			Water Surface Indicator		
Signal Head w/Backplate			Water Point		
Signal Post			Disappearing Ditch		
Closed Circuit TV			Marsh		
Video Detector System			Marsh/Swamp Boundary		

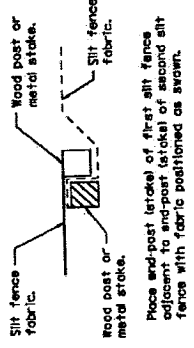
UNDERGROUND UTILITY ITEMS	EX	PR	ABANDONED
Cable TV			
Electric Cable			
Fiber Optic			
Gas Pipe			
Oil Pipe			
Sanitary Sewer			
Telephone Cable			
Water Pipe			

UTILITIES ITEMS	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
Cuyfire or Decidman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

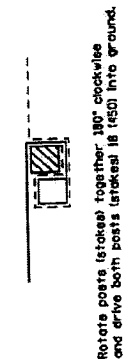
**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
(Sheet 8 of 8)

STANDARD 000001-06

Illinois Department of Transportation  
 PASSED:            JANUARY 1, 2011  
 ENGINEER OF TRAFFIC AND TRANSPORTATION  
 APPROVED:            JANUARY 1, 2011  
 ENGINEER OF DESIGN AND ENVIRONMENT

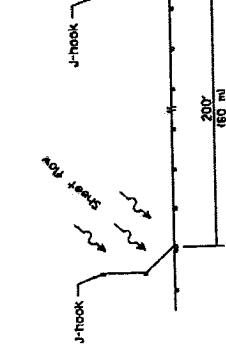


**STEP 1**

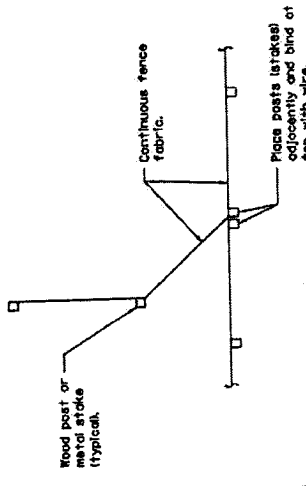


**STEP 2**

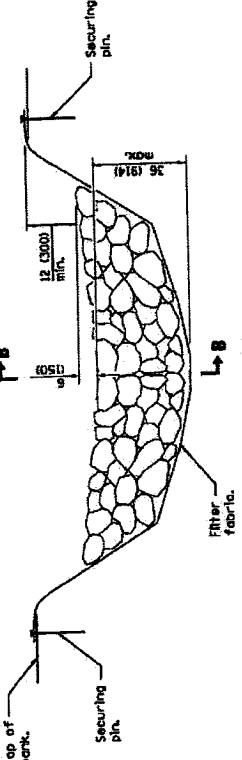
**ATTACHING TWO SILT FILTER FENCES**  
(Not applicable for J-hooks)



**SILT FILTER J-HOOK PLACEMENT**

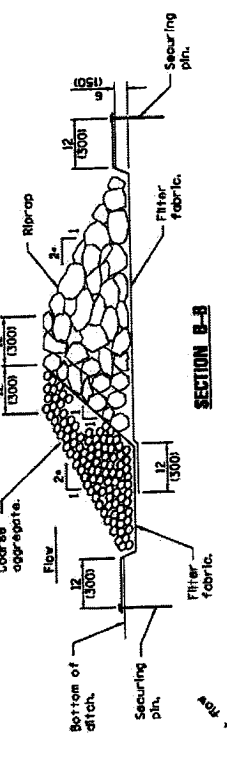


Missouri Department of Transportation  
 ISSUED 1-1-97  
 PASSED: [Signature] 2013  
 MEMBER OF HIGHWAY AND PROCEDURES  
 APPROVED: [Signature] 2013  
 DIVISION OF DESIGN AND ENVIRONMENT



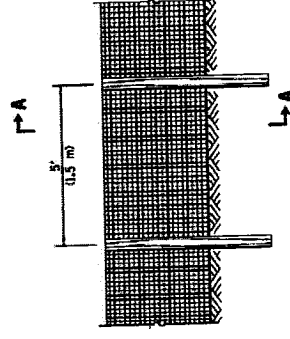
**ELEVATION**

\* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



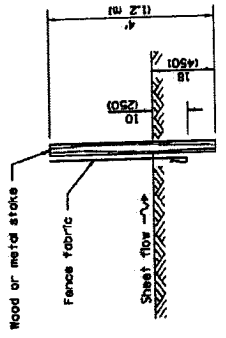
**SECTION B-B**

**AGGREGATE DITCH CHECK**

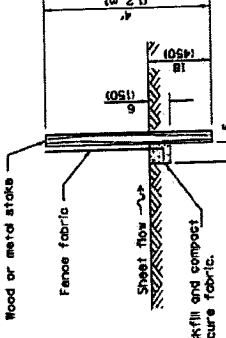


**ELEVATION**

**SILT FILTER FENCE AS A PERIMETER EROSION BARRIER**



**SLICE METHOD**



**TRENCH METHOD**  
**SECTION A-A**

Excavate, backfill and compact trench to secure fabric.

**GENERAL NOTES**

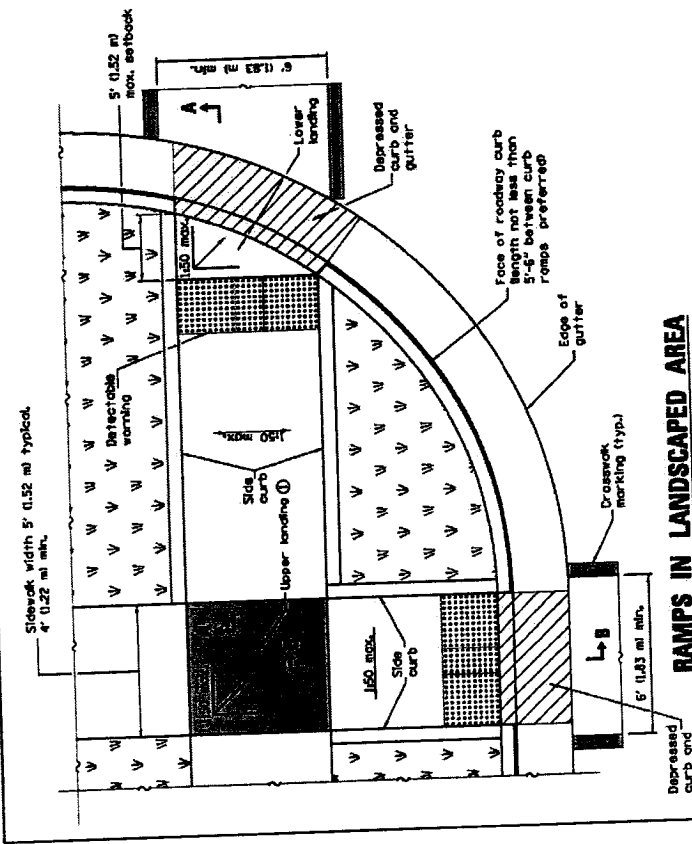
The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeter) unless otherwise shown.

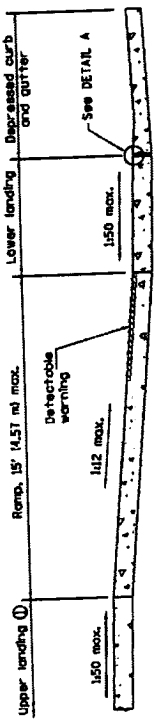
TEMPERARY EROSION CONTROL SYSTEMS	
(Sheet 1 of 2)	
DATE	REVISIONS
1-1-13	Corrected notation for flowline (E) on SEDIMENT BASIN ELEVATION.
1-1-12	Revised hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

**STANDARD 280001-07**



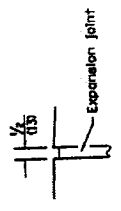


**RAMPS IN LANDSCAPED AREA**  
**SETBACK ≤ 5'**

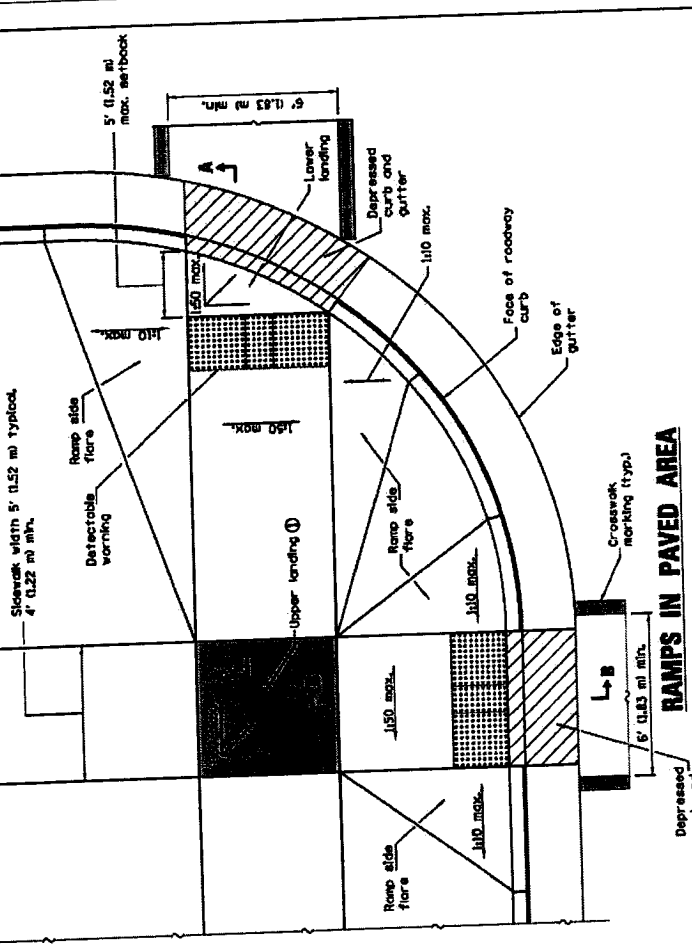


**SECTION A-A**

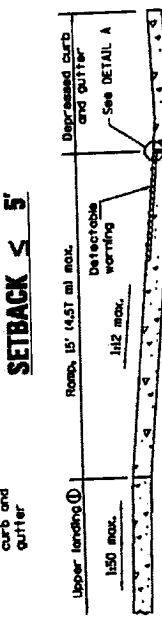
Upper landing not required for ramp slopes flatter than 1:20.



**DETAIL A**



**RAMPS IN PAVED AREA**  
**SETBACK ≤ 5'**



**SECTION B-B**

Upper landing not required for ramp slopes flatter than 1:20.

**GENERAL NOTES**

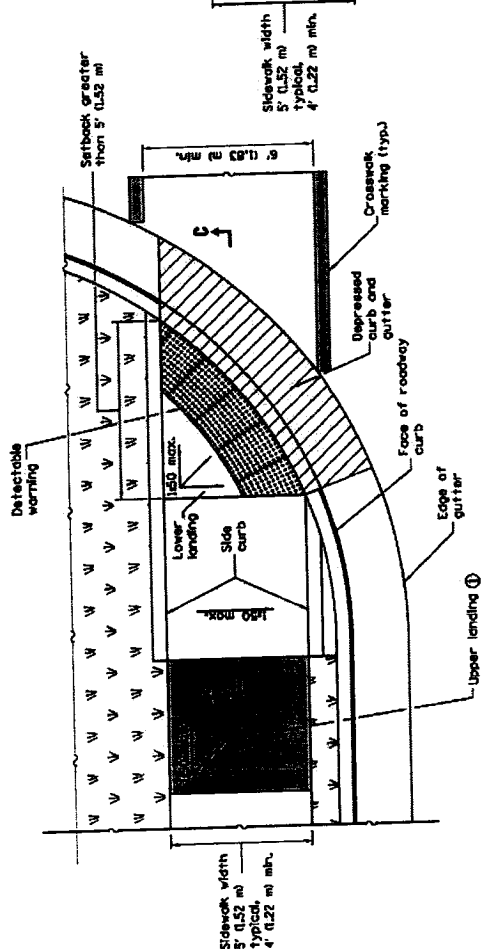
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (1:100).  
Where 1:50 maximum slope is shown, 1:64 is preferred.  
See Standard 608001 for details of depressed curb adjacent to curb ramp.  
All dimensions are in inches unless otherwise shown.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS	
DATE	REVISIONS
1-1-13	Revised crosswalk markings to 6" (1.53 m) min. inside dimension. Rev. Gen. Notes.
1-1-12	Completely revised and reissued standard.

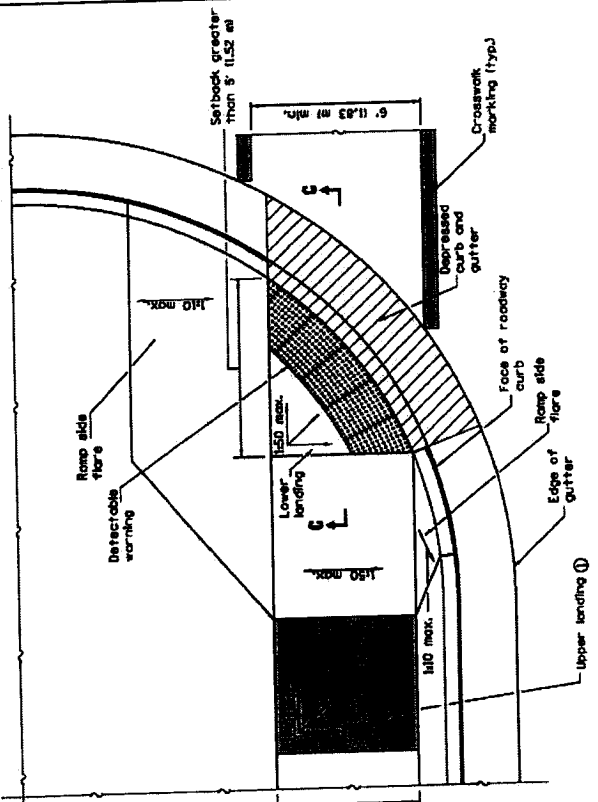
SIDE CURB DETAIL	
DATE	REVISIONS
1-1-13	Revised crosswalk markings to 6" (1.53 m) min. inside dimension. Rev. Gen. Notes.
1-1-12	Completely revised and reissued standard.

Illinois Department of Transportation  
 ISSUED 1-1-13  
 2013  
 ENGINEER OF POLICY AND PROCEDURES  
 APPROVED  
 2013

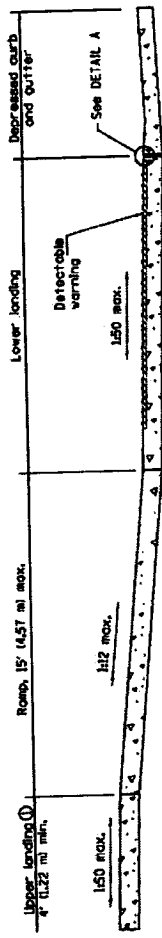
STANDARD 424001-87  
 (Sheet 1 of 2)



**RAMP IN LANDSCAPED AREA**  
**SETBACK > 5'**



**RAMP IN PAVED AREA**  
**SETBACK > 5'**

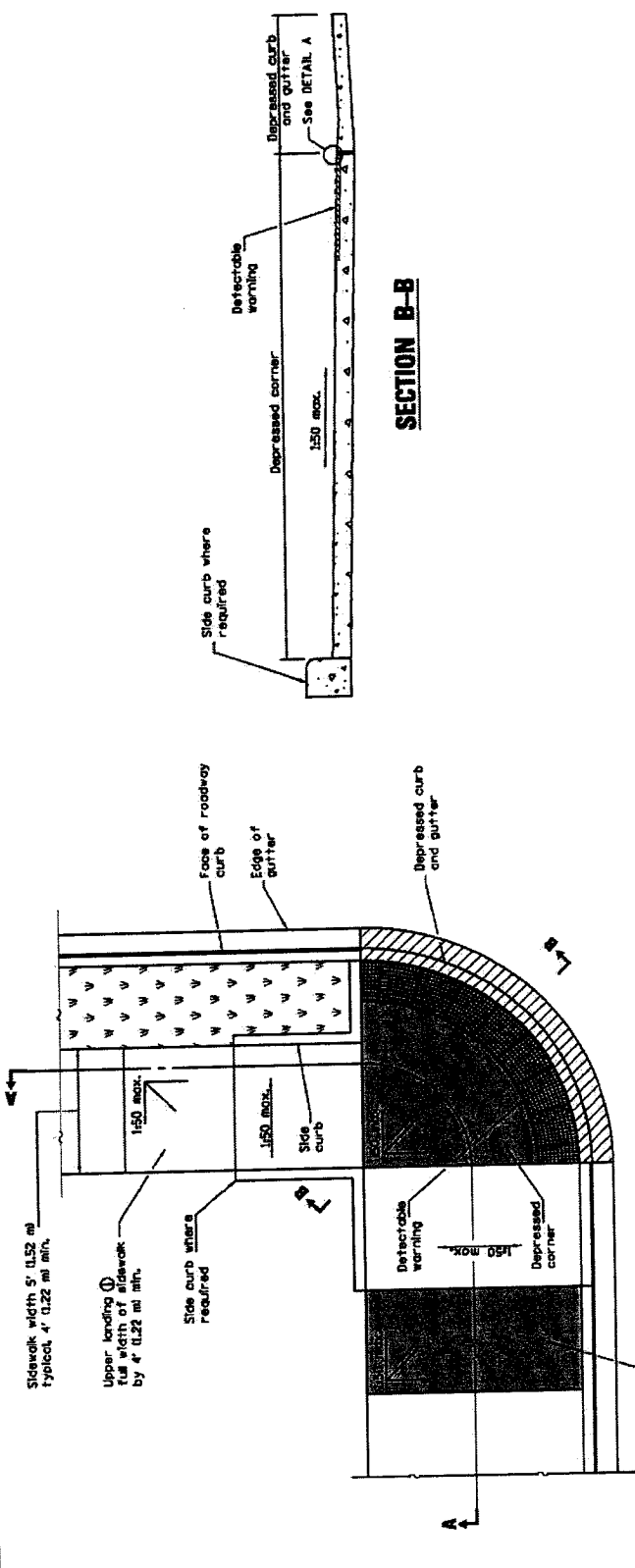


**SECTION C-C**

① Upper landing not required for ramp slopes flatter than 1:20.

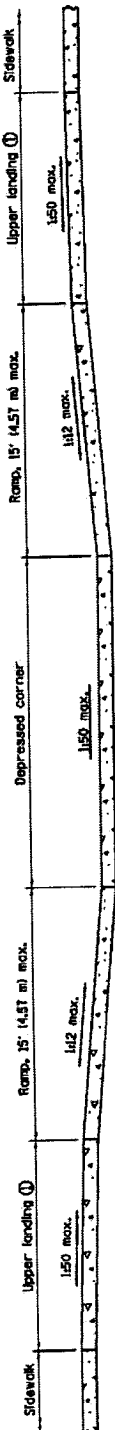
**PERPENDICULAR CURB RAMPS  
 FOR SIDEWALKS**  
 (Sheet 2 of 2)  
 STANDARD 424001-07

	ISSUED 1-1-97
	PASSED: <i>Michael P. ...</i> 2015 PREPARED BY: <i>Michael P. ...</i> APPROVED: <i>Michael P. ...</i> 2015
	PROJECT: <i>...</i> DRAWING NO.: <i>...</i>
	DIVISION OF <i>...</i>



**DEPRESSION CORNER**

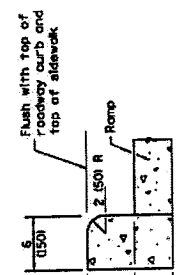
Upper landing full width of sidewalk by 4' (1.22 m min).



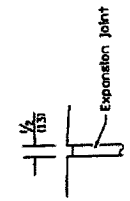
**SECTION B-B**

**SECTION A-A**

Upper landings not required for ramp slopes flatter than 1:20.



**SIDE CURB DETAIL**



**DETAIL A**

**GENERAL NOTES**

This standard shall only be used for curb radii of 6 ft, 0.83 m or greater.  
 All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (1:81).  
 where 1:50 maximum slope is shown, 1:64 is preferred.  
 See Standard 606001 for details of depressed curb adjacent to curb ramp.  
 All dimensions are in inches (millimeters) unless otherwise shown.

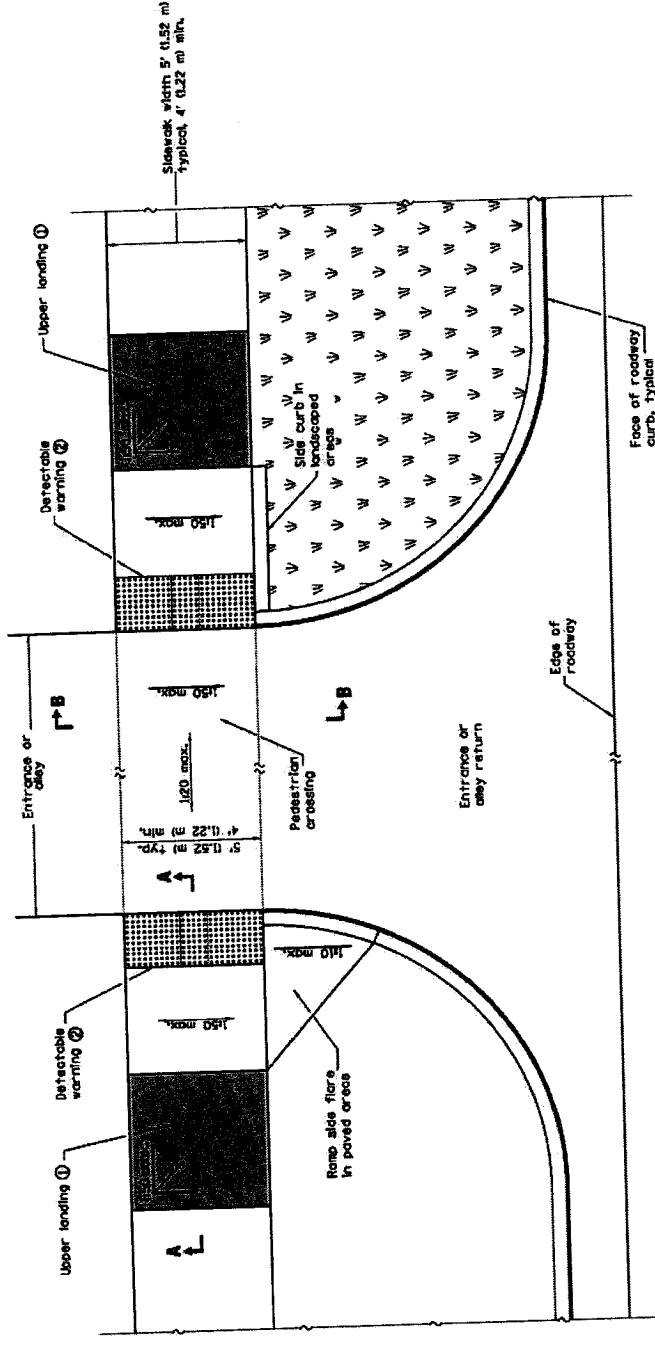
**DEPRESSED CORNER FOR SIDEWALKS**

DATE	REVISIONS
1-1-14	Revised sidewalk width.
	Revised gen. notes to limit curb radii to 6' (1.83 m min).
1-1-13	Revised General Notes.

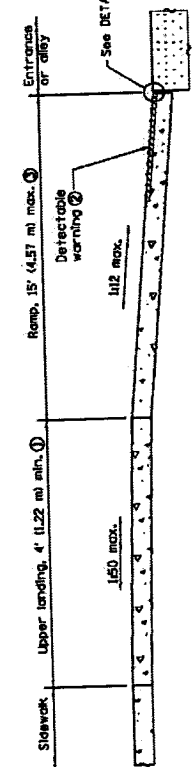
STANDARD 424021-02

ISSUED 1-1-12  
 Illinois Department of Transportation  
 PASSED JANUARY 1, 2014  
 CHIEF OF THE BUREAU OF HIGHWAYS  
 APPROVED [Signature] 2014  
 DIVISION OF DESIGN AND ENVIRONMENT

- ② Detectable warning shall only be installed at entrances/alleys with permanent traffic control devices (i.e. stop signs, signals).
- ③ Where possible, retain the grade of the sidewalk across the ramps/alleys to avoid the need for ramps and upper landings.

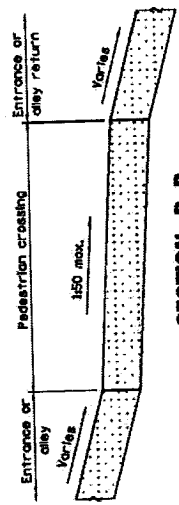


**ENTRANCE /ALLEY PEDESTRIAN CROSSING**



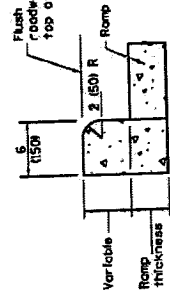
**SECTION A-A**

① Upper landing not required for ramp slopes flatter than 1:20.

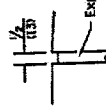


**SECTION B-B**

Flush with top of roadway curb and top of sidewalk



**SIDE CURB DETAIL**



**DETAIL A**

**GENERAL NOTES**  
 All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
 Where 1:50 maximum slope is shown, 1:64 is preferred.  
 All dimensions are in inches (millimeter) unless otherwise shown.

ENTRANCE /ALLEY PEDESTRIAN CROSSINGS	
DATE	REVISIONS
1-1-13	Revised General Notes
1-1-12	New standard.

Illinois Department of Transportation  
 ISSUED 1-1-12  
 PASSED: [Signature] 2013  
 ENGINEER OF TRAFFIC AND MEASUREMENTS  
 APPROVED: [Signature] 2013  
 ENGINEER OF DESIGN AND ENVIRONMENT

**PIPE CULVERT END SECTION DIMENSIONS**

Pipe I.D.	A	R	S	T	Slope of End Section			
					1:2	1:3	1:4	1:6
15	14	25	28	8	5'-2"	7'-11"	10'-4"	15'-2"
(375)	(950)	(371)	(71)	(200)	(1.68 m)	(2.42 m)	(3.16 m)	(4.63 m)
18	15	33	37	10	5'-2"	8'-11"	11'-2"	17'-2"
(450)	(375)	(828)	(93)	(200)	(1.68 m)	(2.72 m)	(3.55 m)	(5.24 m)
21	15	39	44	11	5'-2"	9'-8"	12'-4"	18'-4"
(525)	(375)	(990)	(111)	(200)	(1.68 m)	(2.95 m)	(3.86 m)	(5.69 m)
24	15	45	51	12	5'-2"	10'-5"	13'-8"	20'-2"
(600)	(375)	(1170)	(130)	(200)	(1.68 m)	(3.18 m)	(4.17 m)	(6.15 m)
27	15	51	58	13	5'-2"	11'-2"	14'-11"	22'-8"
(675)	(375)	(1350)	(148)	(200)	(1.68 m)	(3.41 m)	(4.39 m)	(6.43 m)
30	15	57	65	14	5'-2"	11'-10"	15'-11"	23'-8"
(750)	(375)	(1530)	(166)	(200)	(1.68 m)	(3.64 m)	(4.62 m)	(6.79 m)
33	15	63	72	15	5'-2"	12'-5"	16'-4"	24'-8"
(825)	(375)	(1710)	(184)	(200)	(1.68 m)	(3.87 m)	(4.85 m)	(7.02 m)
36	15	69	80	16	5'-2"	13'-0"	17'-0"	25'-8"
(900)	(375)	(1890)	(202)	(200)	(1.68 m)	(4.10 m)	(5.08 m)	(7.25 m)
42	17	81	93	18	5'-2"	14'-4"	18'-4"	27'-8"
(1050)	(425)	(2100)	(234)	(200)	(1.68 m)	(4.41 m)	(5.60 m)	(7.62 m)
48	17	93	108	20	5'-2"	15'-8"	19'-4"	28'-8"
(1200)	(425)	(2310)	(276)	(200)	(1.68 m)	(4.91 m)	(6.10 m)	(8.24 m)
54	18	105	123	22	5'-2"	17'-2"	20'-0"	30'-8"
(1350)	(425)	(2520)	(318)	(200)	(1.68 m)	(5.41 m)	(6.60 m)	(8.86 m)
60	18	117	138	24	5'-2"	18'-6"	21'-0"	32'-8"
(1500)	(425)	(2730)	(360)	(200)	(1.68 m)	(5.91 m)	(7.10 m)	(9.48 m)
66	18	129	153	26	5'-2"	19'-10"	22'-0"	34'-8"
(1650)	(425)	(2940)	(402)	(200)	(1.68 m)	(6.41 m)	(7.60 m)	(10.10 m)
72	18	141	168	28	5'-2"	20'-10"	23'-0"	36'-8"
(1800)	(425)	(3150)	(444)	(200)	(1.68 m)	(6.91 m)	(8.10 m)	(10.72 m)
78	18	153	183	30	5'-2"	21'-10"	24'-0"	38'-8"
(1950)	(425)	(3360)	(486)	(200)	(1.68 m)	(7.41 m)	(8.60 m)	(11.34 m)
84	21	165	208	32	5'-2"	22'-10"	25'-0"	40'-8"
(2100)	(525)	(3570)	(528)	(230)	(1.68 m)	(7.91 m)	(9.10 m)	(11.96 m)

**GENERAL NOTES**

The number of segments shown in elevation is for example only. The length and number of precast sections required to construct the end section shall be determined by the Contractor.

See roadway plans for slope (with end pipe inside diameter).

End section may be hatched up to ± 15 degrees skewed with roadway.

2/4 x 2/4 x 1/2 (56 x 56 x 8) plate washers shall be provided under each nut required for anchor rods. Holes in the wale for the anchor tie assembly may be drilled using carbide bits in lieu of formed holes.

See Standard 54231 for end sections having traversable pipe grove.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

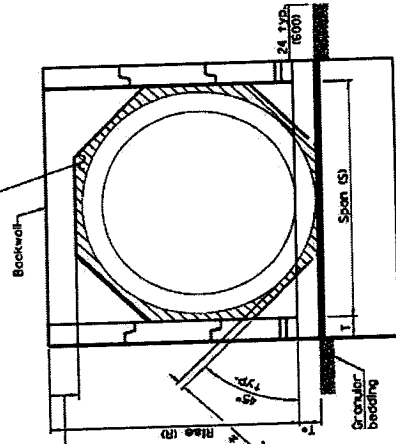
All dimensions are in inches (millimeter) unless otherwise shown.

**CONCRETE END SECTIONS FOR PIPE CULVERTS  
15" (375 mm) THRU 84" (2100 mm) DIA.**

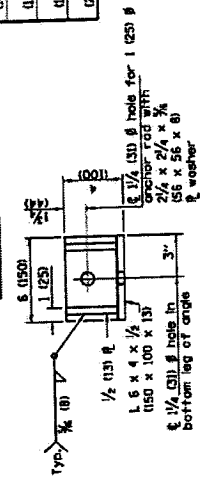
(Sheet 1 of 3)

**STANDARD 542001-04**

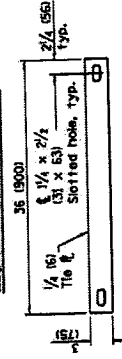
Hatched area indicates void between the pipe and the backwall to be filled with Class SI concrete.



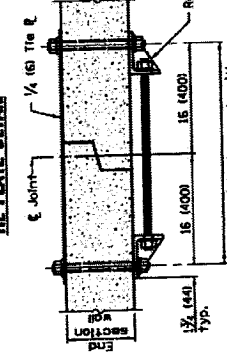
**END VIEW**



**RESTRAINT ANGLE DETAIL**



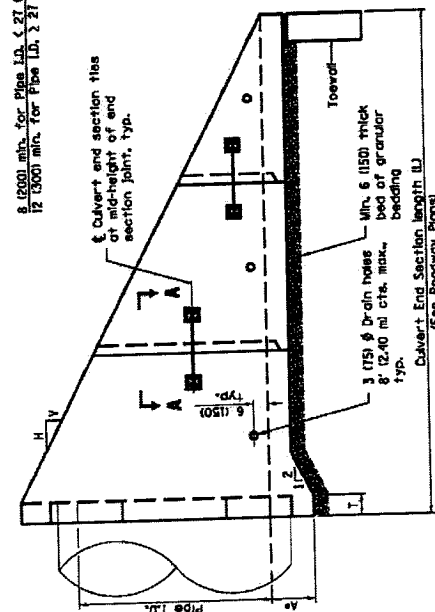
**TIE PLATE DETAIL**



1 (6 x 4 x 1/2 (150 x 100 x 13) # tie rod with 2/4 x 2/4 x 1/2 (56 x 56 x 8) plate washer installed in 1/2 (125) # formed holes in end section wale

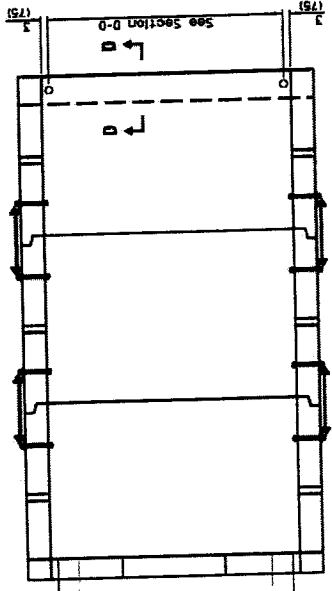
**SECTION A-A**

Showing end section tie details



**ELEVATION**

This dimension shall be increased by 1/2 (30) for CIP field construction. See General Notes.

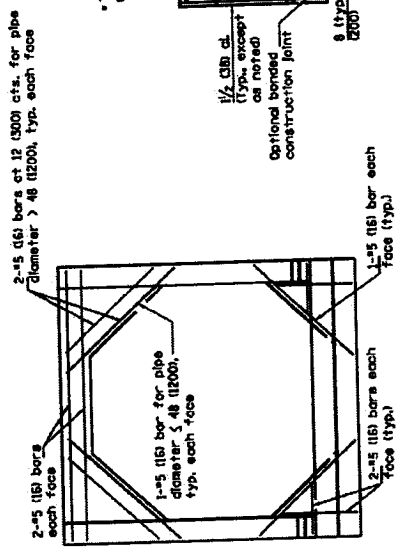


**PLAN**

APPROVED: [Signature] ISSUED 1-1-97  
 Illinois Department of Transportation  
 ENGINEER: [Signature] 204  
 APPROVED: [Signature] 204  
 ENGINEER: [Signature] 204  
 SUPERVISOR: [Signature] 204

**LAP DIMENSION**  
 #4 (13) bar = 17 (425)  
 #5 (16) bar = 21 (525)  
 #6 (19) bar = 25 (625)

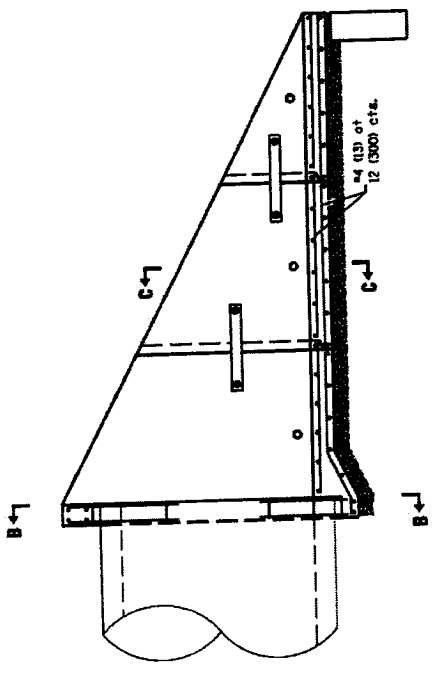
\* The Contractor may use lap splices for the sidewalk reinforcement at the locations shown.



**SECTION C-C**

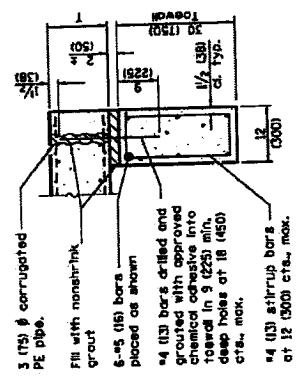
**SECTION B-B**  
 (Showing bottom slab and sidewalk reinforcement only.)  
 (Pipe omitted for clarity.)

**LONGITUDINAL SECTION**  
 (Showing bottom slab and sidewalk reinforcement.)



**REINFORCEMENT SCHEDULE**

Pipe I.D.	Bar Size	Bar Spacing	Asim
15 (375)	#4 (13)	12 (300)	4
18 (450)	#4 (13)	12 (300)	4
21 (525)	#4 (13)	12 (300)	4
24 (600)	#4 (13)	12 (300)	4
27 (675)	#4 (13)	12 (300)	4
30 (750)	#4 (13)	12 (300)	4
33 (825)	#4 (13)	12 (300)	4
36 (900)	#4 (13)	12 (300)	4
39 (975)	#4 (13)	12 (300)	4
42 (1050)	#4 (13)	12 (300)	4
45 (1125)	#4 (13)	12 (300)	4
48 (1200)	#4 (13)	12 (300)	4
51 (1275)	#4 (13)	12 (300)	4
54 (1350)	#4 (13)	12 (300)	4
57 (1425)	#4 (13)	12 (300)	4
60 (1500)	#4 (13)	12 (300)	4
63 (1575)	#4 (13)	12 (300)	4
66 (1650)	#4 (13)	12 (300)	4
69 (1725)	#4 (13)	12 (300)	4
72 (1800)	#4 (13)	12 (300)	4
75 (1875)	#4 (13)	12 (300)	4
78 (1950)	#4 (13)	12 (300)	4
81 (2025)	#4 (13)	12 (300)	4
84 (2100)	#4 (13)	12 (300)	4



**SECTION D-D**

**CONCRETE END SECTIONS FOR PIPE CULVERTS**  
 15" (375 mm) THRU 84" (2100 mm) DIA.  
 (Sheet 2 of 3)

**STANDARD 542001-04**


Illinois Department of Transportation  
 ISSUED 1-1-97  
 APPROVED: [Signature] 2014  
 ENGINEER OF TRAVELING SURVEYORS  
 APPROVED: [Signature] 2014  
 ENGINEER OF DESIGN AND ENVIRONMENT

**QUANTITIES**

Pipe I.D.	Concrete, yd <sup>3</sup> (m <sup>3</sup> )				Reinforcement without Lap Ba. (kg)				Reinforcement with Lap Ba. (kg)			
	Slope of End Section				Slope of End Section				Slope of End Section			
	12	14	16	18	12	14	16	18	12	14	16	18
15	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
17.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
18	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
19.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
21	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
22.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
24	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
25.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
27	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
28.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
30	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
31.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
33	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
35	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
37.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
40	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
42	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
44	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
46	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
48	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
50	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
52.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
55	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
57.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
60	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
62.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
65	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
67.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
70	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
72.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
75	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
77.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
80	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
82.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
85	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
87.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
90	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
92.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
95	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
97.5	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270
100	1.1	2.1	3.1	3.6	190	210	230	250	210	230	250	270

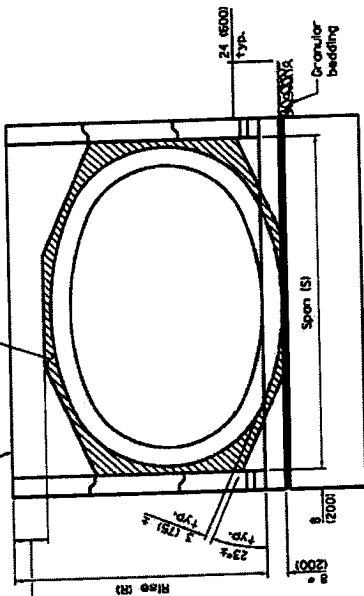
⊕ For cast-in-place construction, increase concrete volumes by approximately 12%.

**CONCRETE END SECTIONS FOR PIPE CULVERTS**  
**15" (375 mm) THRU 84" (2100 mm) DIA.**  
 (Sheet 3 of 3)  
**STANDARD 542001-84**

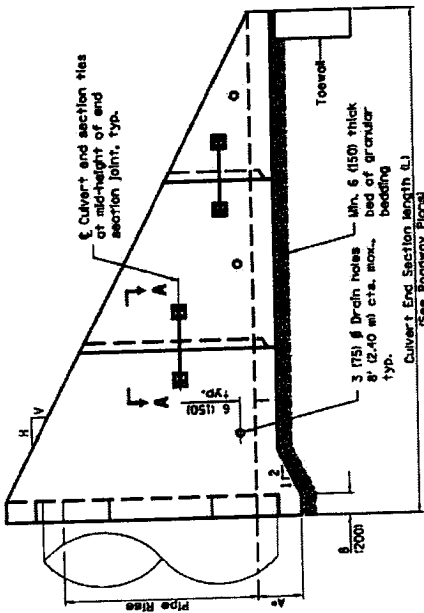

 APPROVED: \_\_\_\_\_ 2014  
 FACILITY ENGINEER AND SUPERVISOR  
 APPROVED: \_\_\_\_\_ 2014  
 PROJECT ENGINEER AND SUPERVISOR

ISSUED 1-1-97

Hatched area indicates void between  
the pipes in the backrest to be  
filled with Class SI concrete.

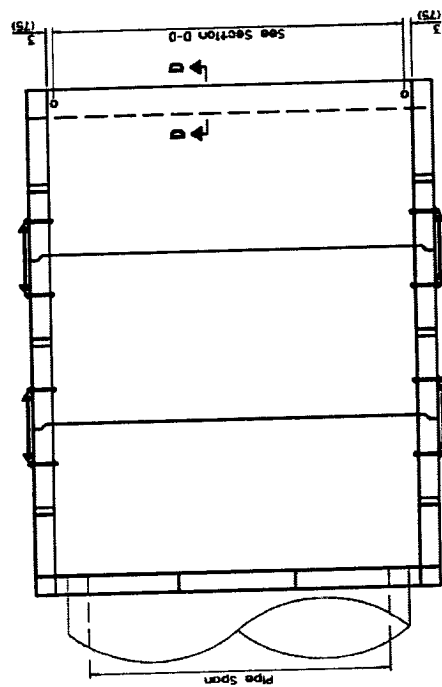


8 (2000) min. for EODS & 21 (525)  
12 (3000) min. for EODS & 21 (525)



**ELEVATION**

• This dimension shall be increased by 1/2 (50) for  
CIP field construction.



Illinois Department of Transportation  
APPROVED 2015  
FORWARDED TO THE FIELD OFFICE  
FORWARDED TO THE FIELD OFFICE  
APPROVED 2015  
FORWARDED TO THE FIELD OFFICE  
FORWARDED TO THE FIELD OFFICE  
ISSUED 1-1-13

See Sheet 3 for GENERAL NOTES.

**CONCRETE END SECTIONS FOR ELLIPTICAL  
PIPE CULVERTS 16" (375 mm)  
THRU 72" (1830 mm) EQUIVALENT DIAMETER**

(Sheet 1 of 2)

**STANDARD 942811**

**PIPE CULVERT END SECTION DIMENSIONS**

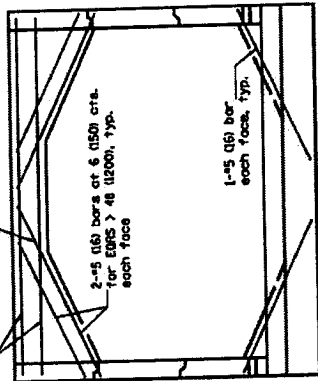
Equivalent Round Size Pipe I.D.	Pipe Span	Pipe Rise	A	R	S	Slope of End Section		
						1:2	1:3	1:4
15	23	14	15	28	35	64-4"	74-8"	84-8"
18	27	16	17	32	40	74-4"	84-8"	94-4"
21	30	18	19	36	45	84-4"	94-4"	104-4"
24	33	20	21	40	50	94-4"	104-4"	114-4"
27	36	22	23	45	55	104-4"	114-4"	124-4"
30	39	24	25	50	60	114-4"	124-4"	134-4"
33	42	26	27	55	65	124-4"	134-4"	144-4"
36	45	28	29	60	70	134-4"	144-4"	154-4"
39	48	30	31	65	75	144-4"	154-4"	164-4"
42	51	32	33	70	80	154-4"	164-4"	174-4"
45	54	34	35	75	85	164-4"	174-4"	184-4"
48	57	36	37	80	90	174-4"	184-4"	194-4"
51	60	38	39	85	95	184-4"	194-4"	204-4"
54	63	40	41	90	100	194-4"	204-4"	214-4"
57	66	42	43	95	105	204-4"	214-4"	224-4"
60	69	44	45	100	110	214-4"	224-4"	234-4"
63	72	46	47	105	115	224-4"	234-4"	244-4"
66	75	48	49	110	120	234-4"	244-4"	254-4"
69	78	50	51	115	125	244-4"	254-4"	264-4"
72	81	52	53	120	130	254-4"	264-4"	274-4"
(8500)	(2175)	(4650)	(475)	(200)	(200)	(4.32 m)	(6.38 m)	(8.44 m)



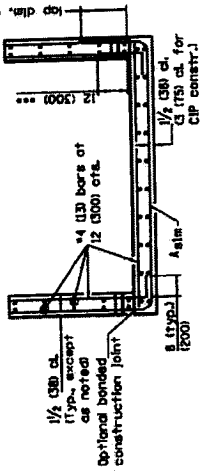
**LAP DIMENSION**

- \*4 (13) bar = 17 (425)
- \*5 (16) bar = 21 (525)
- \*6 (19) bar = 25 (625)

2--5 (16) bars each face



... The Contractor may use lap splices for the elevated reinforcement at the locations shown.



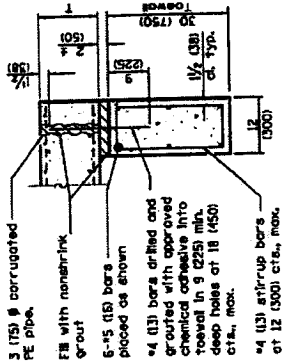
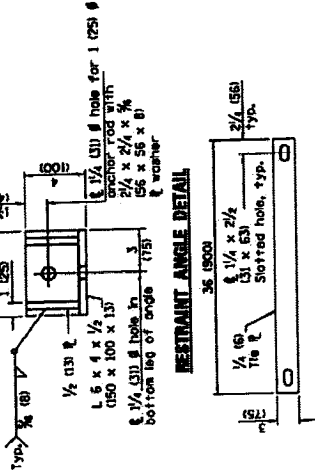
**SECTION C-C**

**SECTION B-B**

(Showing backwall reinforcement only.)  
(Pipe omitted for clarity.)

**LONGITUDINAL SECTION**

(Showing bottom web and backwall reinforcement.)



**SECTION D-D**

**REINFORCEMENT SCHEDULE**

Equivalent Round Size	A Min
15	4
17.5	4
18	4
21	4
24	4
27	4
30	4
36	4
42	4
48	4
54	4
60	4
66	4
72	4
78	4
84	4
90	4
96	4
102	4
108	4
114	4
120	4
126	4
132	4
138	4
144	4
150	4
156	4
162	4
168	4
174	4
180	4
186	4
192	4
198	4
204	4
210	4
216	4
222	4
228	4
234	4
240	4
246	4
252	4
258	4
264	4
270	4
276	4
282	4
288	4
294	4
300	4
306	4
312	4
318	4
324	4
330	4
336	4
342	4
348	4
354	4
360	4
366	4
372	4
378	4
384	4
390	4
396	4
402	4
408	4
414	4
420	4
426	4
432	4
438	4
444	4
450	4
456	4
462	4
468	4
474	4
480	4
486	4
492	4
498	4
504	4
510	4
516	4
522	4
528	4
534	4
540	4
546	4
552	4
558	4
564	4
570	4
576	4
582	4
588	4
594	4
600	4
606	4
612	4
618	4
624	4
630	4
636	4
642	4
648	4
654	4
660	4
666	4
672	4
678	4
684	4
690	4
696	4
702	4
708	4
714	4
720	4
726	4
732	4
738	4
744	4
750	4
756	4
762	4
768	4
774	4
780	4
786	4
792	4
798	4
804	4
810	4
816	4
822	4
828	4
834	4
840	4
846	4
852	4
858	4
864	4
870	4
876	4
882	4
888	4
894	4
900	4
906	4
912	4
918	4
924	4
930	4
936	4
942	4
948	4
954	4
960	4
966	4
972	4
978	4
984	4
990	4
996	4
1002	4
1008	4
1014	4
1020	4
1026	4
1032	4
1038	4
1044	4
1050	4
1056	4
1062	4
1068	4
1074	4
1080	4
1086	4
1092	4
1098	4
1104	4
1110	4
1116	4
1122	4
1128	4
1134	4
1140	4
1146	4
1152	4
1158	4
1164	4
1170	4
1176	4
1182	4
1188	4
1194	4
1200	4

**CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THROUGH 72" (1800 mm) EQUIVALENT DIAMETER**

(Sheet 2 of 3)

**STANDARD 542011**

APPROVED: *[Signature]*  
 PROJECT ENGINEER  
 APPROVED: *[Signature]*  
 PROJECT SUPERVISOR  
 ISSUED: 1-1-15  
 FEDERAL BUREAU OF INVESTIGATION

**QUANTITIES**

Equivalent Round Size Pipe I.D.	Concrete yd <sup>3</sup> (m <sup>3</sup> )						Reinforcement Without Lap Res. (kg)						Reinforcement With Lap Res. (kg)					
	Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section		Slope of End Section	
	1:2	1:3	1:4	1:5	1:6	1:8	1:10	1:12	1:15	1:20	1:25	1:30	1:40	1:50	1:60	1:75	1:100	1:150
15	1.5	1.3	2.3	3.0	3.8	220	270	350	430	510	590	670	750	830	910	990	1070	1150
(375)	(1.1)	(1.6)	(1.8)	(2.3)	(2.9)	(120.8)	(146.3)	(172.9)	(228.5)	(284.1)	(339.7)	(395.3)	(450.9)	(506.5)	(562.1)	(617.7)	(673.3)	(728.9)
18	1.5	1.3	2.3	3.0	3.8	220	270	350	430	510	590	670	750	830	910	990	1070	1150
(450)	(1.1)	(1.6)	(1.8)	(2.3)	(2.9)	(120.8)	(146.3)	(172.9)	(228.5)	(284.1)	(339.7)	(395.3)	(450.9)	(506.5)	(562.1)	(617.7)	(673.3)	(728.9)
21	2.2	2.8	3.5	4.8	6.1	310	380	470	580	700	820	940	1060	1180	1300	1420	1540	1660
(525)	(1.7)	(2.1)	(2.7)	(3.7)	(4.7)	(161.2)	(201.5)	(241.8)	(282.1)	(322.4)	(362.7)	(403.0)	(443.3)	(483.6)	(523.9)	(564.2)	(604.5)	(644.8)
24	2.2	2.8	3.5	4.8	6.1	310	380	470	580	700	820	940	1060	1180	1300	1420	1540	1660
(600)	(1.7)	(2.1)	(2.7)	(3.7)	(4.7)	(161.2)	(201.5)	(241.8)	(282.1)	(322.4)	(362.7)	(403.0)	(443.3)	(483.6)	(523.9)	(564.2)	(604.5)	(644.8)
27	2.5	3.2	4.0	5.4	6.8	370	450	540	660	790	920	1050	1180	1310	1440	1570	1700	1830
(675)	(1.9)	(2.4)	(2.9)	(3.9)	(4.9)	(197.2)	(247.5)	(297.8)	(348.1)	(398.4)	(448.7)	(499.0)	(549.3)	(599.6)	(649.9)	(700.2)	(750.5)	(800.8)
30	3.3	4.1	5.0	6.7	8.4	450	540	640	770	910	1050	1190	1330	1470	1610	1750	1890	2030
(750)	(2.5)	(3.1)	(3.7)	(4.9)	(6.1)	(241.8)	(292.1)	(342.4)	(392.7)	(443.0)	(493.3)	(543.6)	(593.9)	(644.2)	(694.5)	(744.8)	(795.1)	(845.4)
36	4.0	5.0	6.0	8.1	10.1	540	640	750	890	1040	1190	1340	1490	1640	1790	1940	2090	2240
(900)	(3.0)	(3.7)	(4.4)	(5.9)	(7.4)	(282.1)	(332.4)	(382.7)	(433.0)	(483.3)	(533.6)	(583.9)	(634.2)	(684.5)	(734.8)	(785.1)	(835.4)	(885.7)
42	4.7	5.8	6.9	9.3	11.6	630	740	860	1010	1170	1330	1490	1650	1810	1970	2130	2290	2450
(1050)	(3.5)	(4.2)	(5.0)	(6.7)	(8.4)	(322.4)	(372.7)	(423.0)	(473.3)	(523.6)	(573.9)	(624.2)	(674.5)	(724.8)	(775.1)	(825.4)	(875.7)	(926.0)
48	5.3	6.5	7.7	10.3	12.9	730	850	980	1140	1310	1480	1650	1820	1990	2160	2330	2500	2670
(1200)	(4.0)	(4.8)	(5.6)	(7.5)	(9.3)	(362.7)	(413.0)	(463.3)	(513.6)	(563.9)	(614.2)	(664.5)	(714.8)	(765.1)	(815.4)	(865.7)	(916.0)	(966.3)
54	6.1	7.4	8.7	11.6	14.6	840	970	1110	1280	1460	1640	1820	2000	2180	2360	2540	2720	2900
(1350)	(4.5)	(5.4)	(6.3)	(8.4)	(10.4)	(403.0)	(453.3)	(503.6)	(553.9)	(604.2)	(654.5)	(704.8)	(755.1)	(805.4)	(855.7)	(906.0)	(956.3)	(1006.6)
60	6.3	7.7	9.1	12.1	15.3	950	1090	1240	1420	1610	1800	1990	2180	2370	2560	2750	2940	3130
(1500)	(4.7)	(5.6)	(6.5)	(8.7)	(10.7)	(443.3)	(493.6)	(543.9)	(594.2)	(644.5)	(694.8)	(745.1)	(795.4)	(845.7)	(896.0)	(946.3)	(996.6)	(1046.9)
66	7.1	8.6	10.1	13.3	16.7	1070	1220	1380	1570	1770	1970	2170	2370	2570	2770	2970	3170	3370
(1650)	(5.3)	(6.3)	(7.3)	(9.7)	(12.1)	(483.6)	(533.9)	(584.2)	(634.5)	(684.8)	(735.1)	(785.4)	(835.7)	(886.0)	(936.3)	(986.6)	(1036.9)	(1087.2)
72	8.2	9.8	11.4	14.8	18.4	1190	1350	1520	1720	1930	2140	2350	2560	2770	2980	3190	3400	3610
(1800)	(6.1)	(7.1)	(8.1)	(10.7)	(13.3)	(523.9)	(574.2)	(624.5)	(674.8)	(725.1)	(775.4)	(825.7)	(876.0)	(926.3)	(976.6)	(1026.9)	(1077.2)	(1127.5)

① For cast-in-place construction, increase concrete volume by approximately 1%.

**GENERAL NOTES**

The number of segments shown in elevation is for example only. The length and number of precast sections required to construct the end section shall be determined by the Contractor.

See roadway plans for slope (H:1) and pipe inside diameter.

End section may be hatched up to ± 15 degrees skewed with roadway.

2/4 x 2/4 x 1/8 156 x 56 x 8 plate washers and be provided under each nut required for the anchor rods. Holes in the walls for the conduit tie assembly may be drilled using core bits in lieu of formed holes.

See Standard 542311 for end sections having traversable pipe grots.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (H:1).

All dimensions are in inches (millimeters) unless otherwise shown.

**CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER**

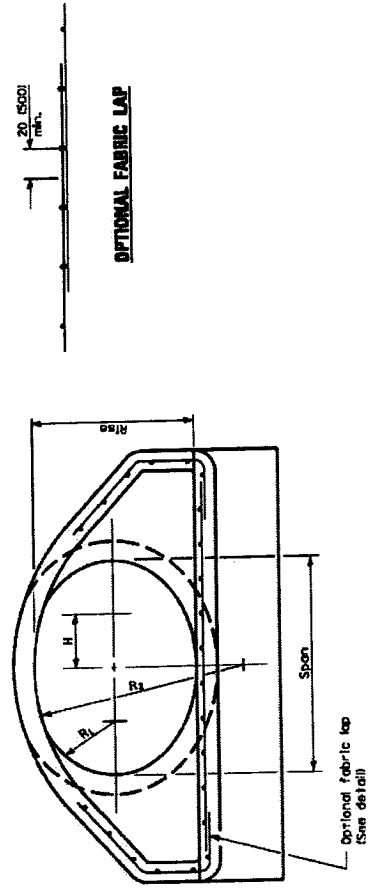
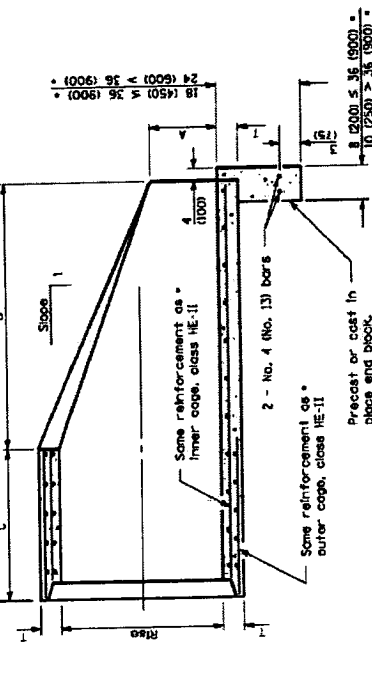
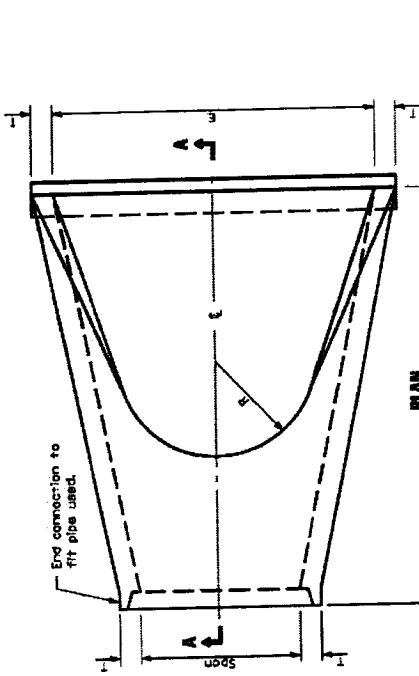
Sheet 3 of 3

STANDARD 542011

Illinois Department of Transportation  
 APPROVED: [Signature] 2013  
 PROJECT: [Signature] FOR CONTRACTORS  
 APPROVED: [Signature] 2013  
 PROJECT: [Signature] AND DISTRICT

ISSUED 1-1-13

SPAN	RISE	EQUIV. DIA.	WALL T	A	B	C	D	E	H	R	R <sub>1</sub>	R <sub>2</sub>	APPROX. SLOPE
23	14	(450)	2 1/4	8	2 1/2	3'-9"	6'-0"	35	5 1/4	6	6	20	11.1
594	(396)	(170)	(203)	(686)	(143)	(1.823 m)	(914)	(914)	(137)	(52)	(52)	(508)	12.8
30	19	(600)	3/4	9	3	4'-0"	6'-0"	4'-0"	6 1/4	7	8 1/4	28 1/4	12.9
(182)	(123)	(303)	(216)	(639)	(130)	(1.829 m)	(1.219 m)	(1.219 m)	(175)	(78)	(81)	(1667)	12.9
34	22	(650)	3/4	9	3 1/2	4'-0"	6'-0"	4'-5"	7 1/4	8	9 1/4	29 1/4	12.9
(196)	(144)	(325)	(229)	(675)	(141)	(1.829 m)	(1.372 m)	(1.372 m)	(187)	(203)	(235)	(1743)	12.9
38	24	(700)	3/4	9 1/2	4'-0"	4'-0"	6'-0"	4'-5"	8 1/4	9	10 1/4	32 1/4	12.9
(248)	(168)	(350)	(241)	(741)	(147)	(1.829 m)	(1.524 m)	(1.524 m)	(219)	(228)	(260)	(1832)	12.7
45	29	(750)	3/4	10 1/4	5'-0"	4'-0"	6'-0"	5'-0"	10 1/4	12	12 1/4	38 1/4	12.6
(300)	(207)	(375)	(261)	(811)	(152)	(1.829 m)	(1.524 m)	(1.524 m)	(235)	(250)	(282)	(2000)	12.7
53	34	(800)	3/4	11 1/4	5'-0"	4'-0"	6'-0"	5'-0"	11 1/4	13	13 1/4	42 1/4	12.6
(352)	(244)	(400)	(271)	(851)	(157)	(1.829 m)	(1.524 m)	(1.524 m)	(251)	(266)	(298)	(2188)	12.7
60	38	(850)	3/4	12 1/4	5'-0"	4'-0"	6'-0"	5'-0"	12 1/4	14	14 1/4	46 1/4	12.6
(404)	(276)	(425)	(281)	(911)	(162)	(1.829 m)	(1.524 m)	(1.524 m)	(267)	(282)	(314)	(2376)	12.6
68	43	(900)	3/4	13 1/4	5'-0"	4'-0"	6'-0"	5'-0"	13 1/4	16	16 1/4	50 1/4	12.6
(456)	(318)	(450)	(291)	(971)	(167)	(1.829 m)	(1.524 m)	(1.524 m)	(283)	(298)	(330)	(2564)	12.6
76	48	(950)	3/4	14 1/4	5'-0"	4'-0"	6'-0"	5'-0"	14 1/4	17	17 1/4	54 1/4	12.6
(508)	(360)	(475)	(301)	(1031)	(172)	(1.829 m)	(1.524 m)	(1.524 m)	(299)	(314)	(346)	(2752)	12.6



**GENERAL NOTES**  
 All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V/H).  
 All dimensions are in inches (millimeters) unless otherwise shown.

DATE		REVISIONS
1-1-09	Switched units to English (metric)	
1-1-07	Soft converted metric reinforcement bars.	

**PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION**

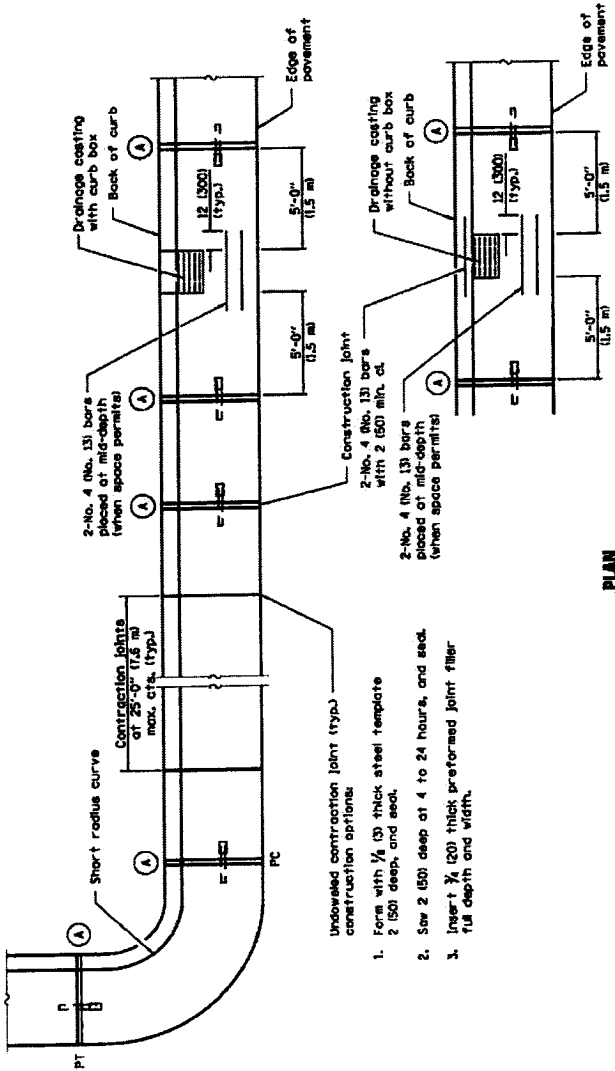
STANDARD 542386-02

ISSUED 1-1-97

APPROVED: [Signature] JANUARY 1, 2009  
 PREPARED: [Signature] JANUARY 1, 2009  
 ENGINEER: [Signature] JANUARY 1, 2009

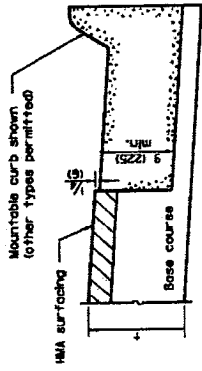
Misses Department of Transportation



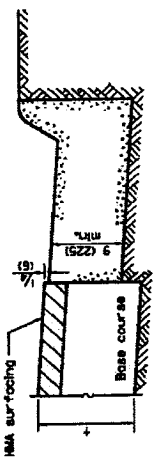


- Undeeked contraction joint (typ.) construction options:
1. Form with  $\frac{1}{4}$  (3) thick steel template 2 (50) deep, and seal.
  2. Saw 2 (50) deep at 4 to 24 hours, and seal.
  3. Insert  $\frac{3}{4}$  (20) thick preformed joint filler 1.0 depth and width.

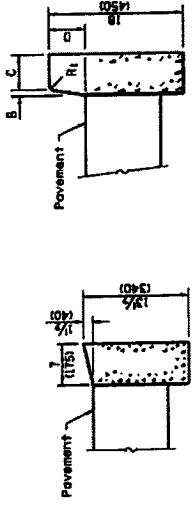
**PLAN**



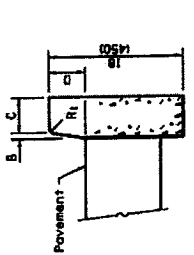
**ON DISTURBED SUBGRADE**



**ON UNDISTURBED SUBGRADE**

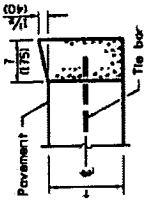


**DEPRESSED CURB**

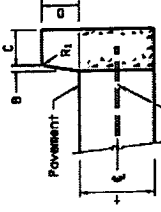


**BARRIER CURB**

**ADJACENT TO FLEXIBLE PAVEMENT**



**DEPRESSED CURB**



**BARRIER CURB**

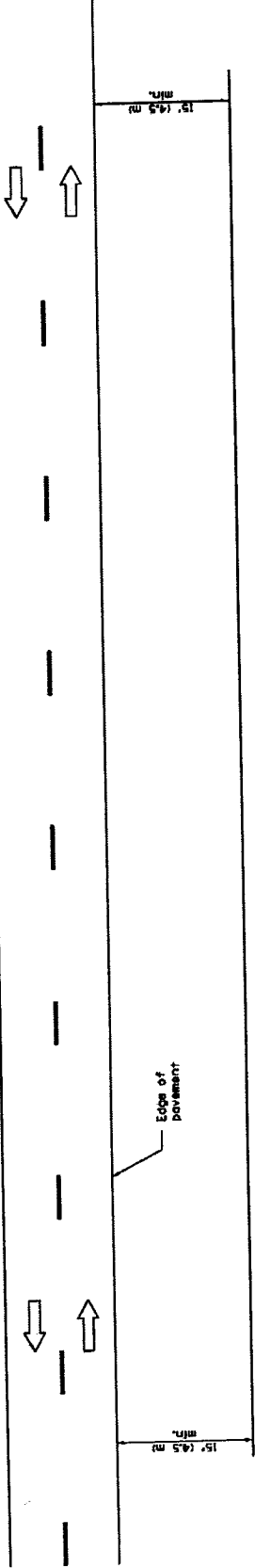
**ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE**

**CONCRETE CURB TYPE B**

Missouri Department of Transportation  
 PASSED: [Signature] 2013  
 APPROVED: [Signature] 2015  
 ISSUED L-1-97  
 ENGINEER OF PUBLIC WORKS  
 ENGINEER OF DESIGN AND INSTRUMENT

**ADJACENT TO FLEXIBLE PAVEMENT**

**CONCRETE CURB TYPE B  
 AND COMBINATION  
 CONCRETE CURB AND GUTTER**  
 (Sheet 2 of 2)  
 STANDARD 60601-05



**TYPICAL APPLICATIONS**

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

**GENERAL NOTES**

This Standard is used where at times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-03	Switched units to English (metric).
1-1-05	Revised title and notes.

**OFF-RD OPERATIONS,  
2L, 2W, MORE THAN  
15' (4.5 m) AWAY**

STANDARD 701001-02

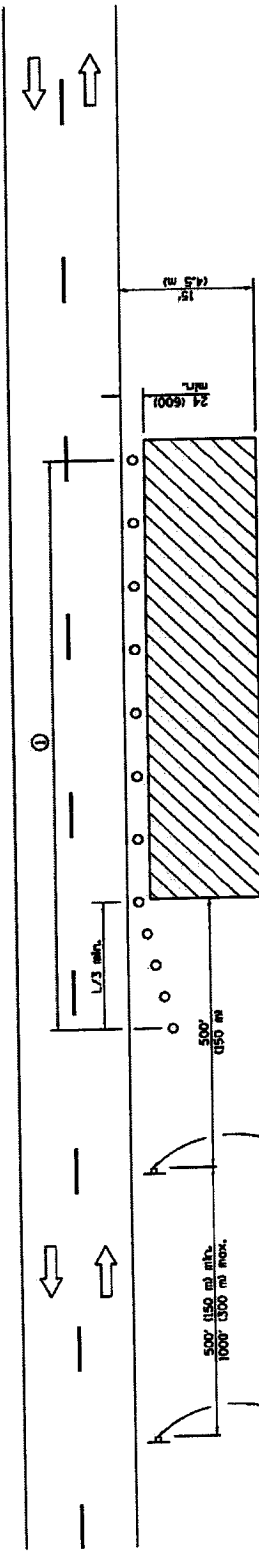
Illinois Department of Transportation

ISSUED 1-1-97

APPROVED: [Signature] JANUARY 1, 2009

APPROVED: [Signature] JANUARY 1, 2009

ENGINEER OF DESIGN AND SURVEYING



- For contract construction projects: W20-1103(K)-48
- For maintenance and utility projects: W20-1103-48
- W21-1103-48

**GENERAL NOTES**

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600 mm) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	English	Metric
40 mph (70 km/h) or less	$L = \frac{WS^2}{80}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater	$L = W(S/10)^2$	$L = 0.65(W/S)^2$

W = Width of offset in feet (meters).  
 S = Normal posted speed in mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

**TYPICAL APPLICATIONS**

- Utility operations
- Curve extensions
- Side slope changes
- General inspection and maintenance
- Demolition operations
- Drainage operations
- Shoulder work
- Sign installation and maintenance

**SYMBOLS**

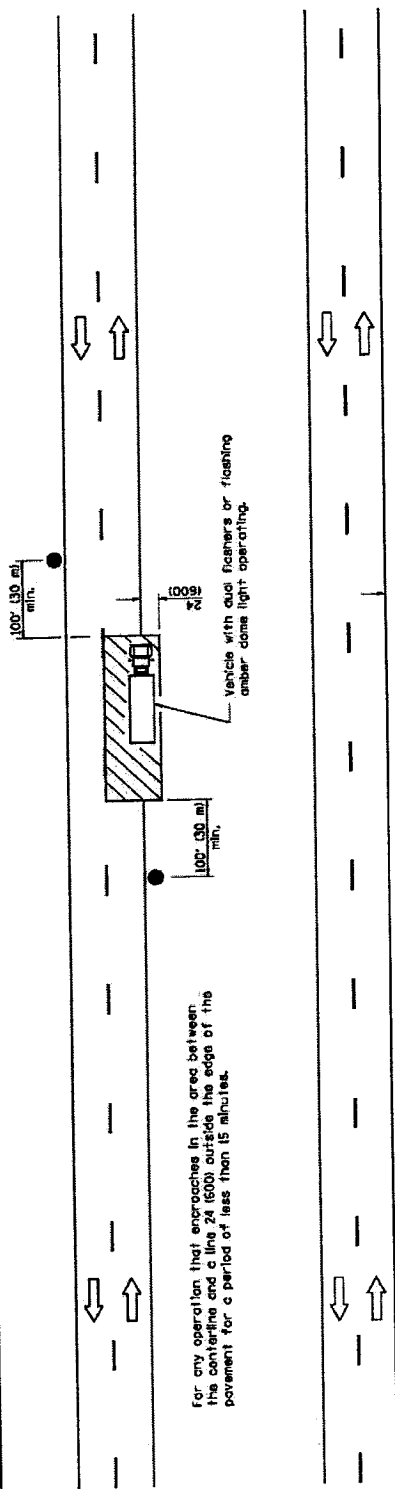
- Work area
- Sign
- Cone, drum or barricade

**OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE**

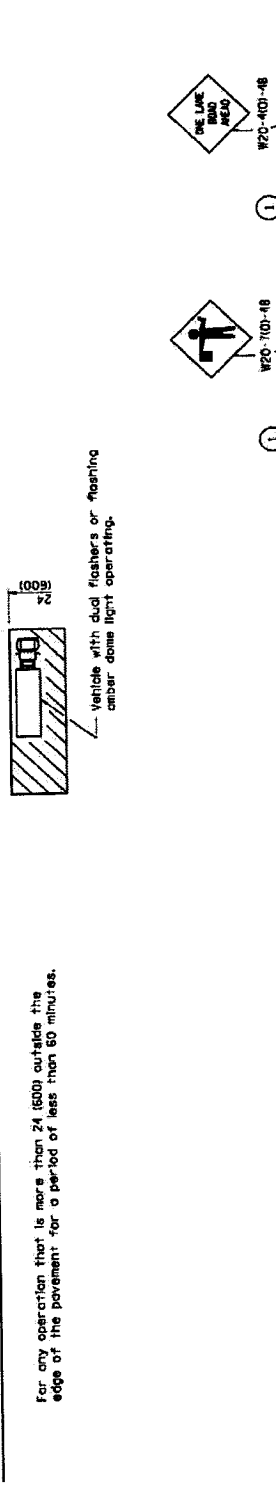
STANDARD 701006-15

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Added text 'WORKERS' sign.

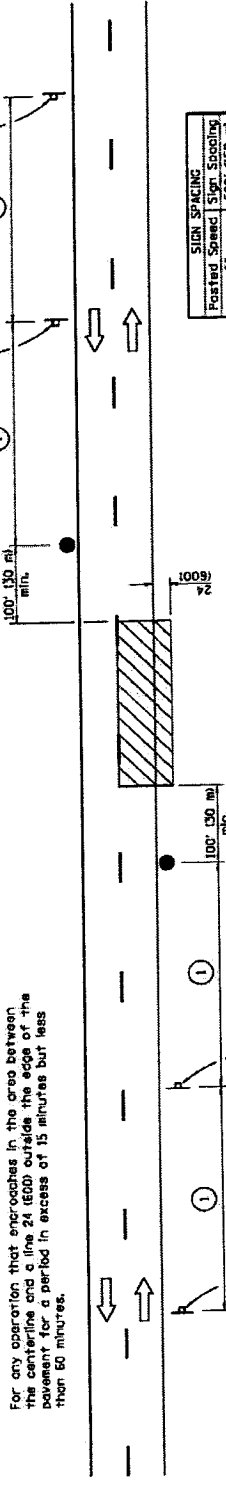
Illinois Department of Transportation  
 ISSUED 1-1-97  
 APPROVED: [Signature] 2014  
 ENGINEER OF SAFETY PERFORMANCE  
 APPROVED: [Signature] 2014  
 DIVISION OF TRAFFIC AND IMPROVEMENT



For any operation that approaches in the area between the centerline and a line 24 (600) outside the edge of the pavement for a period of less than 15 minutes.



For any operation that is more than 24 (600) outside the edge of the pavement for a period of less than 60 minutes.



For any operation that encroaches in the area between the centerline and a line 24 (600) outside the edge of the pavement for a period in excess of 15 minutes but less than 60 minutes.

Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

① = Refer to SIGN SPACING table for distances.

All dimensions are in inches (millimeters) unless otherwise shown.

**TYPICAL APPLICATIONS**

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

**SYMBOLS**

- Work area
- Sign on portable or permanent support
- Frogger with traffic control sign

**LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS**

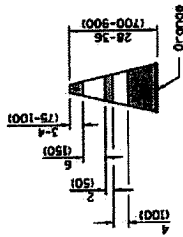
DATE	REVISIONS
1-1-11	Revised frogger sign.
1-1-09	Switched units to English metric.

STANDARD 701301-04

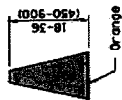
Illinois Department of Transportation  
 APPROVED: [Signature] 2011  
 ENGINEER: [Signature] 2011  
 APPROVED: [Signature] 2011  
 DIVISION OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

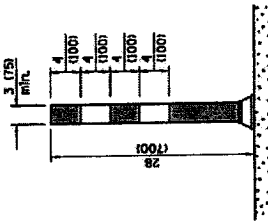




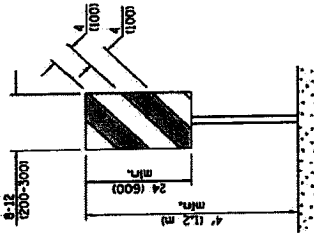
**REFLECTORIZED CONE**



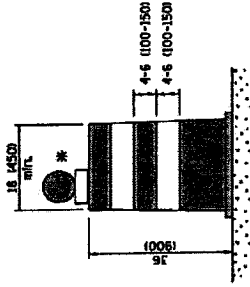
**CONE**



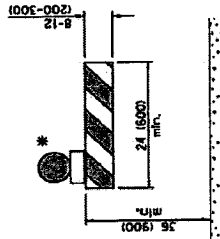
**FLEXIBLE DELINEATOR**



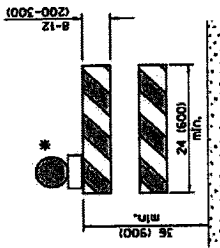
**VERTICAL PANEL POST MOUNTED**



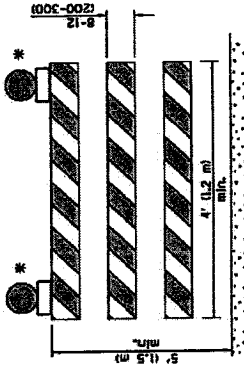
**DRUM**



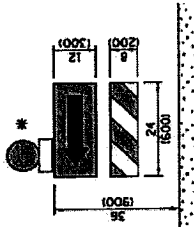
**TYPE I BARRICADE**



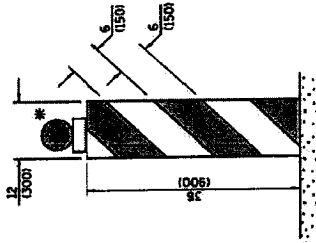
**TYPE II BARRICADE**



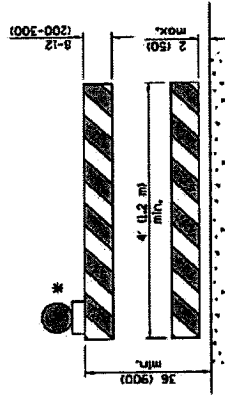
**TYPE III BARRICADE**



**DIRECTION INDICATOR BARRICADE**



**VERTICAL BARRICADE**



**DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE**

\* Warning lights (if required)

**GENERAL NOTES**

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

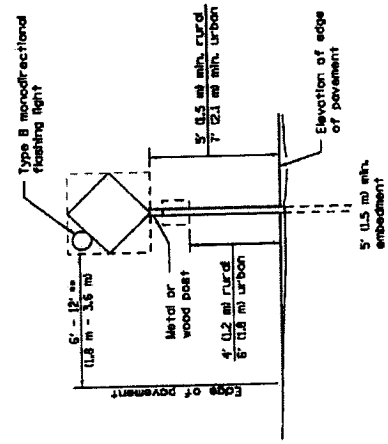
Illinois Department of Transportation APPROVED: [Signature] 2014 ENGINEER OF DISTRICTS APPROVED: [Signature] 2014 ENGINEER OF HIGHWAY CONSTRUCTION	
ISSUED 1-1-97	

DATE	REVISIONS
1-1-14	Modified flagger sign height.
	Added highway construction speed zone signs.
1-1-12	Added DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE.

**TRAFFIC CONTROL DEVICES**

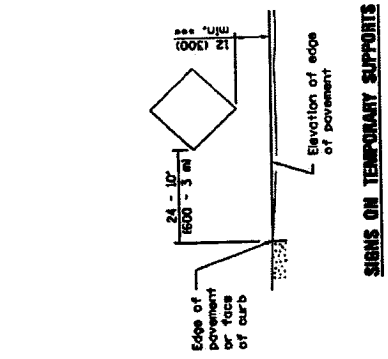
(Sheet 1 of 3)

STANDARD 701501-03



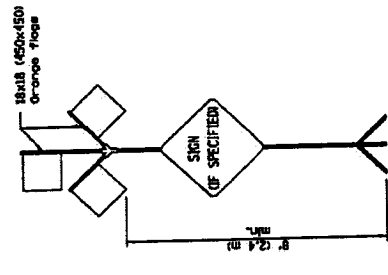
**POST MOUNTED SIGNS**

\*\* When curb or paved shoulder are present this dimension shall be 24 1800 to the face of curb or 5' 11.8 m to the outside edge of the paved shoulder.



**SIGNS ON TEMPORARY SUPPORTS**

\*\*\* When work operations exceed four days, a sign dimension shall be 24 1800. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



**HIGH LEVEL WARNING DEVICE**

**ROAD CONSTRUCTION NEXT X MILES**  
G20-1101-8036

**END CONSTRUCTION**  
G20-2401-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

**ROAD CONSTRUCTION NEXT X MILES** sign shall be placed 500' (150 m) in advance of project limits.

**END CONSTRUCTION** sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

**WORK LIMIT SIGNING**

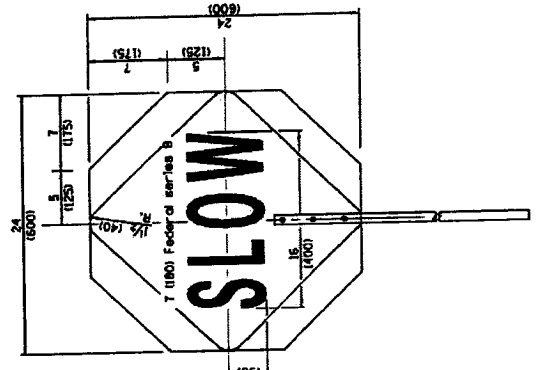
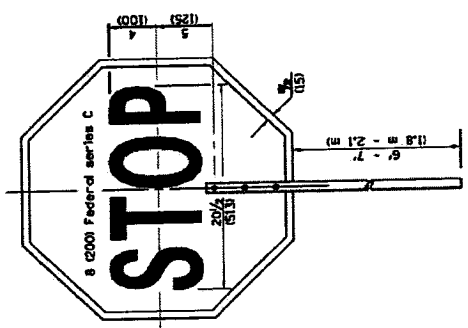
WORK ZONE SPEED LIMIT	W21-1E101-3518
PHOTO ENFORCED	R2-1-3548
XXXX FINE MINIMUM	R10-11046-3518
	R2-11066-3518

Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT	G20-110301-3560
---------------------------	-----------------

This sign shall be used when the above sign assembly is used.

**HIGHWAY CONSTRUCTION SPEED ZONE SIGNS**



**FLAGGED TRAFFIC CONTROL SIGN**

**TRAFFIC CONTROL DEVICES**

Sheet 2 of 31

**STANDARD 701901-03**

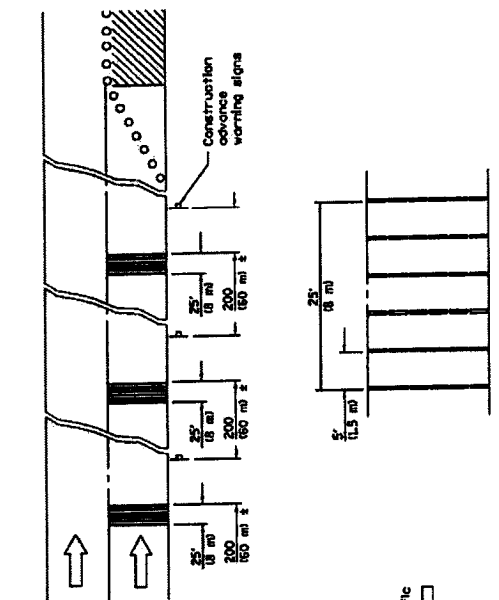
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE

ISSUED 1-1-97

# TRAFFIC CONTROL DEVICES

Sheet 3 of 3

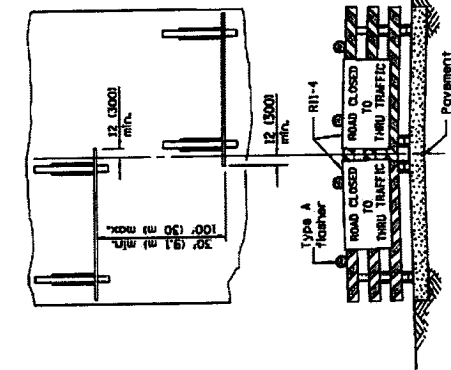
STANDARD 701901-03



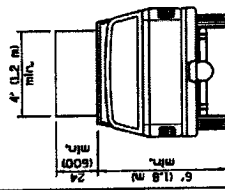
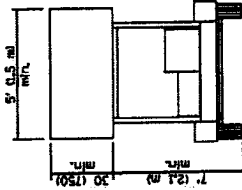
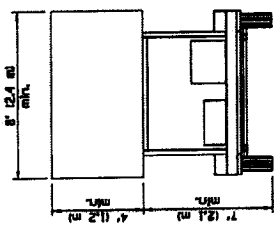
TYPICAL INSTALLATION

## TEMPORARY RUMBLE STRIPS

SECTION A-A



ROAD CLOSED TO THRU TRAFFIC  
 ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

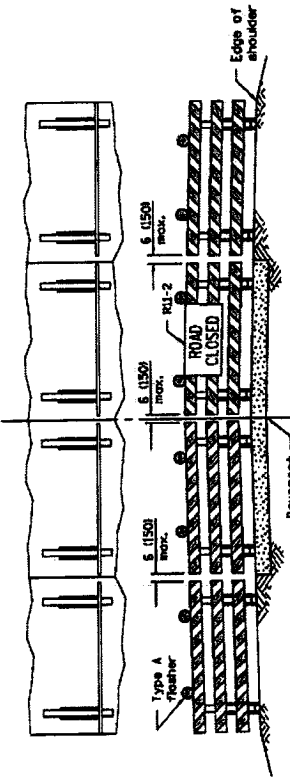


TYPE C TRAILER MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE A ROOF MOUNTED

## ARROW BOARDS

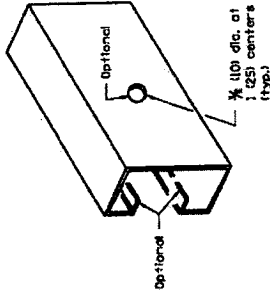


ROAD CLOSED TO ALL TRAFFIC  
 ReflectORIZED striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

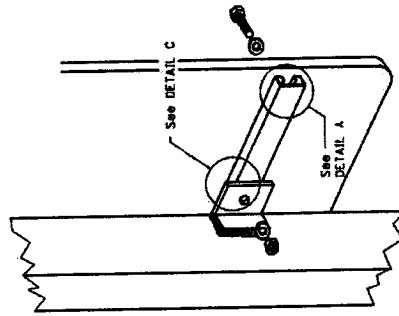
## TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation  
 PROJECT NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 PREPARED BY OPERATIONS \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 ISSUED 1-1-87

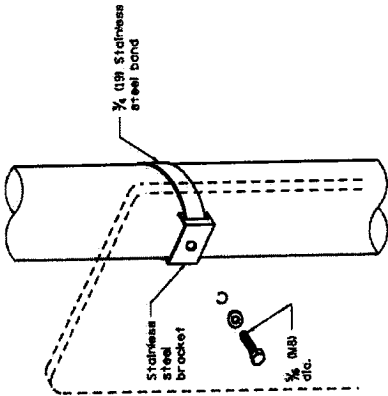
Section modulus (minimum)	Axis A	Axis B
Steel	0.050 in. <sup>3</sup> (819 mm <sup>3</sup> )	0.105 in. <sup>3</sup> (1720 mm <sup>3</sup> )
Aluminum	0.150 in. <sup>3</sup> (2458 mm <sup>3</sup> )	0.315 in. <sup>3</sup> (5152 mm <sup>3</sup> )



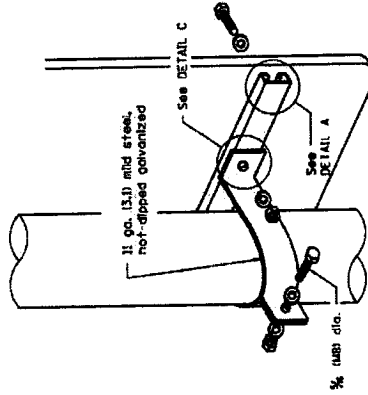
**SUPPORTING CHANNEL DETAILS**



**ROUTE MARKER ASSEMBLY**

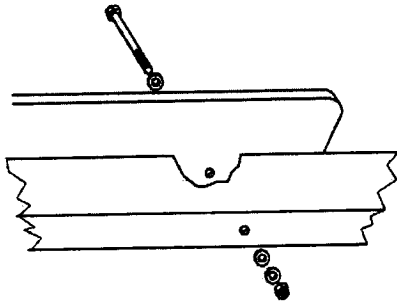


Sign panel 36 (900) wide or less

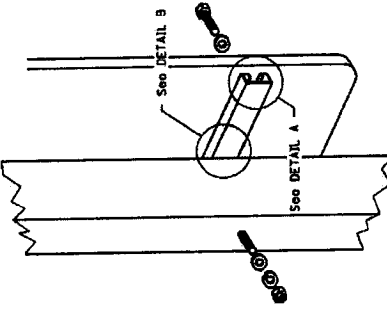


Sign panel over 36 (900) wide

**LIGHT OR SIGNAL STANDARDS**

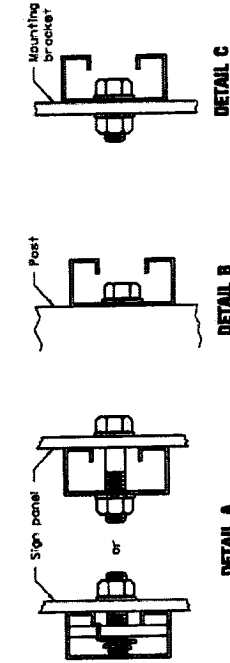


Sign panel 36 (900) wide or less



Sign panel over 36 (900) wide

**WOOD OR TELESCOPING STEEL POSTS**



**BREAKAWAY STEEL TUBING POSTS (AT sign panel sizes)**

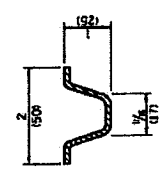
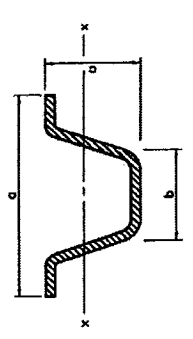
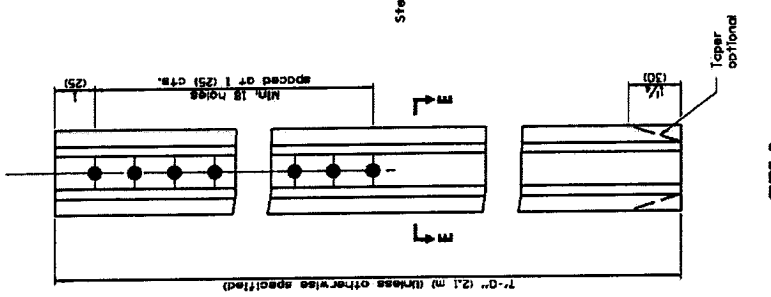
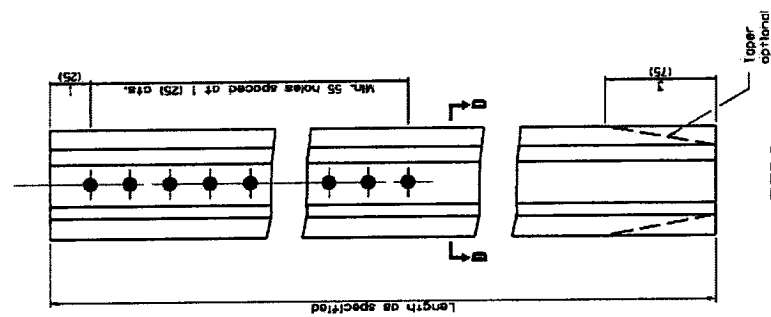
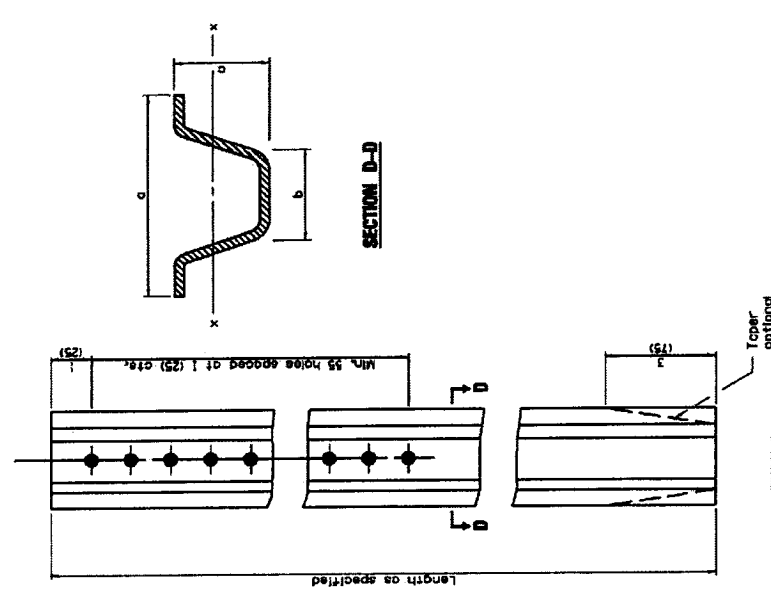
All dimensions are in inches (millimeter) unless otherwise stated.

DATE	REVISIONS
1-1-05	Switched units to English metric.
1-1-97	Revised Standard 2319-6.

APPROVED	ISSUED 1-1-97
APPROVED	
APPROVED	
APPROVED	

**SIGN PANEL MOUNTING DETAILS**

STANDARD 72001-01



**SECTION D-D**

**SECTION E-E**

Steel - 112 ksi/ft. (4.67 kg/cm)

**TYPE A**

**TYPE B**

**TYPE C**

	c	b	a	Sx-x in. <sup>2</sup> (mm <sup>2</sup> )	Wt./ft. (kg/m)
TYPE A	Steel	3/8 (9.5)	1/4 (6.3)	0.20 (0.54)	2.50
	Aluminum	3/8 (9.5)	1/4 (6.3)	0.20 (0.54)	2.50
TYPE B	Steel	3/8 (9.5)	1/4 (6.3)	0.20 (0.54)	2.50
	Aluminum	3/8 (9.5)	1/4 (6.3)	0.20 (0.54)	2.50

**GENERAL NOTES**

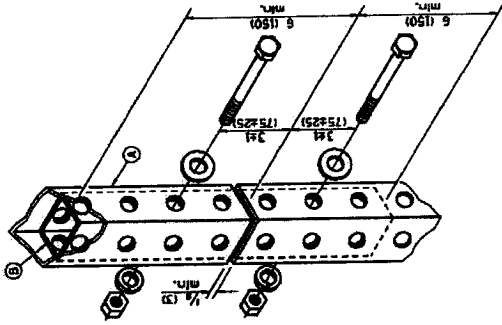
Dimensions shown for cross sections are minimum.  
 All holes are 3/16 (0.1875) in. dia.  
 Sx-x is the minimum section modulus about the x-x axis of the post as shown. For posts in which holes are punched or drilled for more than half their length, Sx-x shall be computed for the net section.  
 All dimensions are in inches (millimeters) unless otherwise shown.

Mills Department of Transportation  
 PASSED: *[Signature]* JANUARY 1, 2009  
 ENGINEER OF PUBLIC WORKS  
 APPROVED: *[Signature]* JANUARY 1, 2009  
 DIVISION OF DESIGN AND CONSTRUCTION

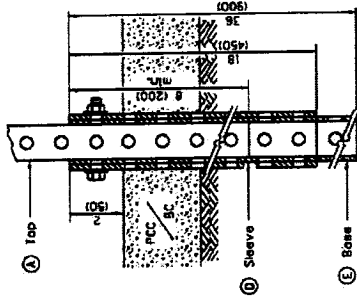
DATE	REVISIONS
1-1-03	Switched units to English (metric).
1-1-97	Revised Standard 2350-4.

**METAL POSTS FOR SIGNS,  
 MARKERS & DELINEATORS**

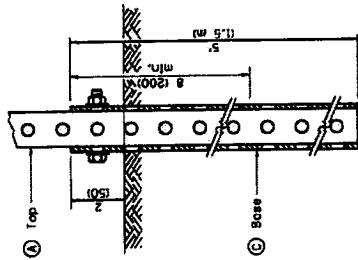
STANDARD 72001-01



**SPUCE DETAIL**



**PAVEMENT MOUNT DETAIL**



**GROUND MOUNT DETAIL**

A	2 x 2 x var. (51 x 51 var.)
B	1 1/2 x 1 1/2 x 12 (44 x 44 x 300)
C	2/4 x 2/4 x 60 (57 x 57 x 1500)
D	2/2 x 2/2 x 18 (64 x 64 x 450)
E	2/4 x 2/4 x 36 (57 x 57 x 900)

**GENERAL NOTES**

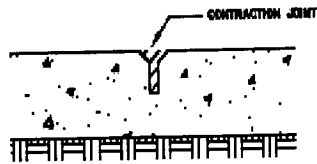
All bolts 3/8 (100) hex head zinc or cadmium plated. All dimensions are in inches (millimeters) unless otherwise shown.

TELESCOPING STEEL SIGN SUPPORT	
STANDARD 720061-01	
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

APPROVED: *[Signature]* 2009  
 PROJECT: *[Signature]*  
 APPROVED: *[Signature]* 2009  
 ENGINEER OF DESIGN AND SUPERVISION

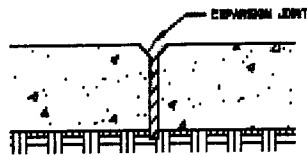
ISSUED 1-1-07

1/2" x 1-1/2" JOINT SHALL BE TOOLED AND SAISED TO A DEPTH OF 1-1/2" AND A BEAD OF ONE PART SELF LEVELING URETHANE SEALANT INSTALLED TO LEVEL OF SURFACE.



SECTION A-A  
CONTRACTION JOINT

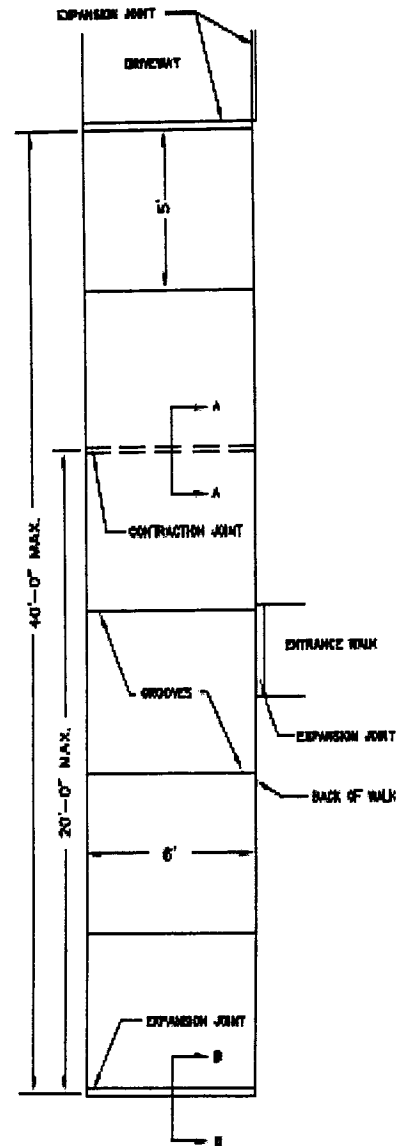
1/2" THICK PREFORMED JOINT FILLER SHALL BE INSTALLED 1/2" BELOW SURFACE OF SIDE WALK AND A BEAD OF ONE PART SELF LEVELING URETHANE SEALANT INSTALLED TO LEVEL OF SURFACE.



SECTION B-B  
EXPANSION JOINT

NOTES:

1. CONTRACTION JOINTS SHALL BE SPACED SO THAT THE DISTANCE TO EXPANSION JOINTS ON EITHER SIDE SHALL NOT EXCEED 20 FEET. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS SHALL NOT EXCEED 40 FEET.



CONTRACTION AND EXPANSION JOINT DETAIL  
P.C.C. SIDEWALK, 4"

 **CITY OF PEORIA**  
PUBLIC WORKS DEPT. — ENGINEERING DIV.  
DESIGN SECTION

P.C.C. SIDEWALK, 4" — JOINT DETAIL

DRAWN BY:

BY:

DATE:

REVISED: