

**CITY OF PEORIA
CONTRACT**

This agreement, made and entered into this 11th day of November, 2014, by and between the City of Peoria, an Illinois Municipal Corporation, Party of The First Part, and Laser Electric Inc., Party of The Second Part for the improvement known as the Sheridan Road Pedestrian Activated Signal;

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 Eighty-Six Thousand, Nine Hundred and Forty-nine dollars and 87/100 (\$86, 949.87).

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). 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.

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

THE CITY OF PEORIA

BY: *Pat UH*
City Manager

ATTEST: *John Ball*
City Clerk

EXAMINED AND APPROVED:
Donald B Leist
Corporation Counsel

PARTY OF THE SECOND PART

Laser Electric, Inc.
(name of individual, firm or corporation)

BY: *Bretchen L. Hammer, Corp. Sec.*
(member of firm or officer of corporation)

(If a Co-Partnership)

(seal)

(seal)

Partners doing business under the firm name
of _____ (seal)
(PARTY OF THE SECOND PART)

(If an Individual)

(seal)
(PARTY OF THE SECOND PART)

CITY OF PEORIA
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, That I/we LASER ELECTRIC, INC.
an individual, of _____
a co-partnership, of _____
a corporation organized under the laws of the State of Illinois
as Principal, and Old Republic Surety 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 Eighty-Six Thousand, Nine Hundred and
Forty-nine dollars and 87/100 -- (\$86,949.87)

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 Sheridan Road Pedestrian Activated Signal 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, THEREFORE, 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 21 day of
November, 2014.

FOR THE CITY OF PEORIA

EXAMINED AND APPROVED:

Donald B. Leisk
Corporation Counsel

Laser Electric, Inc.
Principal

Gretchen L Hammer, Corp. Sec.

Old Republic Surety Company
Sureties

MDA
Michael G. Strode, Attorney-In-Fact

STATE OF Illinois)
) SS
COUNTY OF Peoria)

I, Christine S. Stafford, a Notary Public in and for said County, in the State aforesaid, do hereby certify that Michael G. Strode, who is personally known to me to be the same person who signed the above foregoing instrument as the Attorney in Fact for Old Republic Surety Company, appeared before me this day in person and acknowledged that he signed the name of

Michael G. Strode, 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 21 day of November, 2014.



Christine S. Stafford
Notary Public



OLD REPUBLIC SURETY COMPANY

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint:

WILLIAM C. VOORHEES, STEVEN R. MALPEDE, MICHAEL G. STRODE, OF PEORIA, IL

its true and lawful Attorney(s)-in-Fact, with full power and authority, not exceeding \$20,000,000, for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, asbestos abatement contract bonds, waste management bonds, hazardous waste remediation bonds or black lung bonds), as follows:

ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED AN AGGREGATE OF THREE MILLION DOLLARS(\$3,000,000)----- FOR ANY SINGLE OBLIGATION, REGARDLESS OF THE NUMBER OF INSTRUMENTS ISSUED FOR THE OBLIGATION.

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This document is not valid unless printed on colored background and is multi-colored. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president, or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
- (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
- (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.

RESOLVED FURTHER, that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 18TH day of JUNE, 2013.

OLD REPUBLIC SURETY COMPANY

Phyllis M. Johnson
Assistant Secretary



Alan Pavlic
President

STATE OF WISCONSIN, COUNTY OF WAUKESHA-SS

On this 18TH day of JUNE, 2013, personally came before me, Alan Pavlic and Phyllis M. Johnson, to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say; that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.



Kathryn R. Pearson
Notary Public

My commission expires: 9/28/2014

CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

40-1829



Signed and sealed at the City of Brookfield, WI this 21 day of November, 2014.

Janet E. Sherman
Assistant Secretary

HEDIGER & MEYERS, INC.

Page left blank intentionally

TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
PROPOSAL ITEMS	
NOTICE TO CONTRACTORS	2
PROPOSAL	3-6
SCHEDULE OF PRICES	7
SIGNATURE PAGE	8
BID BOND	9
SUB-CONTRACTOR UTILIZATION STATEMENT	10-11
M/WBE PARTICIPATION WAIVER REQUEST	12
GENERAL CONDITIONS	
LOCATION MAP	14
DESCRIPTION OF WORK	15
DEFINITION OF TERMS	15
FAILURE TO COMPLETE WORK ON TIME	16
RESPONSIBILITY FOR DAMAGE CLAIMS	16
QUALIFICATION OF CONTRACTORS	16
CONTRACTOR'S INSURANCE	17-18
PROOF OF CARRIAGE OF INSURANCE	18
GURANTEE PERIOD	19
PROSECUTION AND PROGRESS OF WORK	19
EXISTING UNDERGROUND FACILITIES	19
COOPERATION WITH UTILITY COMPANIES	19
NOTIFICATION OF UTILITIES PRIOR TO CONSTRUCTION	20
J.U.L.I.E. SYSTEM	20
CERTIFIED PAYROLL REQUIREMENTS	20
PREVAILING WAGE PROVISION	20-25
SUBSTANCE ABUSE PREVENTION PROGRAM	26
PROTECTION OF THE PUBLIC	26
ITEMS DESIGNATED OR REMOVAL AND EXCAVATION	26
CITY SIGNS	26
TRAFFIC CONTROL & PROTECTION	27
DAMAGE TO EXISTING TREES	28
VAULTS	28
SAWCUTTING	28
CONTACT PERSON	28
EQUAL OPPORTUNITY REQUIREMENTS	
EEO CONTRACT COMPLIANCE CLAUSE	30-31
REQUIREMENTS FOR GOOD FAITH EFFORTS	32-38
HUMAN RIGHTS ACT	39
ROADWORK SPECIAL PROVISIONS	
SALVAGING EXISTING MATERIAL	42
CONSTRUCTION DEBRIS	42
CONSTRUCTION LAYOUT	42
EROSION CONTROL	42
EARTH EXCAVATION	43
SIDEWALK REMOVAL	43

TABLE OF CONTENTS (cont.)

<u>ITEM</u>	<u>PAGE</u>
CURB REMOVAL, COMBINATION CURB & GUTTER REMOVAL.....	43
SUBBASE GRANULAR MATERIAL.....	44
REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL & PLACEMENT OF SUBBASE GRANULAR MATERIAL	44
P.C.C. SIDEWALK, 4".....	44
COMBINATION CONCRETE CURB & GUTTER.....	45
INCIDENTAL HOT MIX ASPHALT SURFACING (SPECIAL)	45
CURING COMPOUND	45
CONCRETE FIBERS.....	46
SEEDING & MULCHING.....	46
SIDEWALK RAMPS FOR THE DISABLED	45
DETECTABLE WARNINGS	46-47
ELECTRIC SERVICE INSTALLATION.....	48
ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE-USE) I/C NO. 6.....	48
CONCRETE FOUNDATION, TYPE E.....	49
TRAFFIC SIGNAL BACKPLATE	50
PEDESTRIAN HYBRID TRAFFIC SIGNAL HEAD	50
TRAFFIC SIGNAL CABINET	50-52
INTERCEPT EXISTING CONDUIT.....	52
 APPENDIX A	
EEO DOCUMENTS	
EMPLOYER REPORT CC-1	55
MINORITY AND WOMEN BUSINESS ENTERPRISE DIRECTORY	56
EQUAL EMPLOYMENT OPPORTUNITY.....	56
MINORITY AND FEMALE WORKFORCE UTILIZATION.....	56
 CONTRACT DELIVERABLES	
SUBCONTRACTOR PAYMENT FORM.....	58
MONTHLY WORKFORCE ANALYSIS.....	59
NOTIFICATION OF CHANGE IN PARTICIPATION	60
 MISCELLANEOUS	
SAMPLE CONTRACT.....	63
 STANDARDS	
STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	67-74
MID-BLOCK CURB RAMPS FOR SIDEWALKS	75
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	76-77
OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE	78
OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY.....	79
URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE.....	80-81
URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE	82-85
URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN.....	86-87

TABLE OF CONTENTS (cont.)

<u>ITEM</u>	<u>PAGE</u>
SIDEWALK, CORNER OR CROSSWALK CLOSURE	88-89
TRAFFIC CONTROL DEVICES	90-92
SIGN PANEL MOUNTING DETAILS	93
SIGN PANEL ERECTION DETAILS	94
METAL POSTS FOR SIGNS, MARKERS & DELINEATORS	95
TELESCOPING STEEL SIGN SUPPORT	96
TYPICAL PAVEMENT MARKINGS	97-98
ELECTRICAL SERVICE INSTALLATION DETAILS	99
HANDHOLES	100
STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES	101-102
TRAFFIC SIGNAL GROUNDING & BONDING	103
STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'	104
CONCRETE FOUNDATION DETAILS	105-106
TRAFFIC SIGNAL MOUNTING DETAILS	107
PCC SIDEWALK 4" - JOINT DETAILS	108

Page left blank intentionally

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., October 3rd, 2014** and at that time publicly opened and read.

2. Description of Work.
 - (A) Proposed improvement is officially known as **SHERIDAN ROAD HAWK SIGNAL**
 - (B) The proposed improvement consists of the installation of a new pedestrian hybrid signal adjacent to the Peoria Notre Dame High School crosswalk on Sheridan Road. The work under this contract shall consist of removal of concrete sidewalks, curb and gutter and pavement markings and the installation of a hybrid pedestrian traffic signal, a signal interconnection and associated appurtenances, new signing, pavement markings, concrete sidewalk and ramps, detectable warnings, curb and gutter and other work necessary to complete construction as shown in the plans and as required by the specifications.

3. Instructions to Bidders.
 - (A) Plans and proposal forms may be obtained electronically by emailing a request to pwdropbox@peoriagov.org or as a hard copy or 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 Laser Electric, Inc. POB 5008 Peoria, IL 61601
i. (Name and Address of Bidder)
For the improvement, designated in Paragraph 2 below, by the construction of sidewalk, combination curb and sidewalk, combination curb and gutter, curb, gutter flag, driveway pavement, ADA access ramps and adjustments are to be improved.
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 September 2014, which contract documents, are designated as **SHERIDAN ROAD HAWK SIGNAL**.
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 **April 17, 2015** unless additional time is granted in accordance with Article 108.08 of the Specifications. In addition, the Contractor agrees to complete all electrical work by January 31, 2015. The time from January 31 to April 17, 2015 can be used to complete non-electrical tasks and site cleanup.
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 attached.

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: CCC 140930
33-111231

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

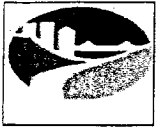
15. The City of Peoria can increase or decrease this contract up to 25% to meet its budgetary needs.
16. The undersigned submits herewith this Schedules of Prices covering the work to be performed under this contract:
17. The undersigned submits herewith this Schedule of Prices covering the work to be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

Page left blank intentionally

RETURN WITH BID

SCHEDULE OF PRICES

Proposal For:
Laser Electric, Inc



COUNTY Peoria
LOCAL PUBLIC AGENCY City of Peoria
SECTION _____
Route _____

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
25200110	SODDING, SALT TOLERANT	SQ YD	16.000	59.99	\$959.84
25200200	SUPPLEMENTAL WATERING	UNIT	0.800	131.50	\$105.20
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5.000	521.20	\$2,606.00
42400100	PORTLAND CEMENT CONC SIDEWALK 4 IN	SF	699.000	8.53	\$5,962.47
42400800	DETECTABLE WARNING	SQ FT	40.000	44.10	\$1,764.00
44000500	COMB CURB AND GUTTER REMOVAL	FOOT	58.000	21.10	\$1,223.80
44000600	SIDEWALK REMOVAL	SQ FT	610.000	4.35	\$2,653.50
60605000	COMB CURB AND GUTTER TY B-6.24	FOOT	58.000	61.96	\$3,593.68
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.000	4,890.00	\$4,890.00
81028330	UNDRGRD C PVC 1 1/4	FOOT	109.000	36.98	\$4,030.82
81028370	UNDRGRD C PVC 3	FOOT	107.000	57.60	\$6,163.20
81400100	HANDHOLE	EACH	2.000	1,338.00	\$2,676.00
81702110	EC C XLP USE 1C 10	FOOT	369.000	0.97	\$357.93
87301235	ELCBL C SIGNAL 14 2C	FOOT	159.000	2.33	\$370.47
87301235	ELCBL C SIGNAL 14 4C	FOOT	608.000	2.20	\$1,337.60
87301245	ELCBL C SIGNAL 14 5C	FOOT	215.000	2.20	\$473.00
87301580	ELCBL C COMMUNICATION 14 3PR	FOOT	1,030.000	0.50	\$515.00
87301900	ELCBL C EGC 6 1C	FOOT	224.000	3.04	\$680.96
87700190	S MAA & P 30	EACH	2.000	4,491.00	\$8,982.00
87800200	CONC FDN TY D	FOOT	3.000	457.00	\$1,371.00
87800415	CONC FDN TY E 36D	FOOT	22.000	265.00	\$5,830.00
880301X1	PED SIG HYBRID TS HEAD LED 1F 3S MAM	EACH	4.000	1,063.50	\$4,254.00
880301X2	PED SIG HYBRID TS HEAD LED 1F 3S BM	EACH	2.000	1,016.50	\$2,033.00
88102825	PED SIG HD P LED 1F BM	EACH	2.000	793.50	\$1,587.00
88800100	PED PUSH-BUTTON	EACH	2.000	264.70	\$529.40
X7010208	TRAF CONT & PROT SPL	L SUM	1.000	2,325.00	\$2,325.00
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1.000	740.00	\$740.00
X8570226	FAC T4 CAB SPL	EACH	1.000	13,495.00	\$13,495.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000	5,440.00	\$5,440.00
				TOTAL	\$86,949.87



Proposal For:
Laser Electric, Inc

COUNTY Peoria
LOCAL PUBLIC AGENCY City of Peoria
SECTION _____
Route _____

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
25200110	SODDING, SALT TOLERANT	SQ YD	16.000	59.99	\$959.84
25200200	SUPPLEMENTAL WATERING	UNIT	0.800	131.50	\$105.20
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5.000	521.20	\$2,606.00
42400100	PORTLAND CEMENT CONC SIDEWALK 4 IN	SF	699.000	8.53	\$5,962.47
42400800	DETECTABLE WARNING	SQ FT	40.000	44.10	\$1,764.00
44000500	COMB CURB AND GUTTER REMOVAL	FOOT	58.000	21.10	\$1,223.80
44000600	SIDEWALK REMOVAL	SQ FT	610.000	4.35	\$2,653.50
60605000	COMB CURB AND GUTTER TY B-6.24	FOOT	58.000	61.96	\$3,593.68
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.000	4,890.00	\$4,890.00
81028330	UNDRGRD C PVC 1 1/4	FOOT	109.000	36.98	\$4,030.82
81028370	UNDRGRD C PVC 3	FOOT	107.000	57.60	\$6,163.20
81400100	HANDHOLE	EACH	2.000	1,338.00	\$2,676.00
81702110	EC C XLP USE 1C 10	FOOT	369.000	0.97	\$357.93
87301235	ELCBL C SIGNAL 14 2C	FOOT	159.000	2.33	\$370.47
87301235	ELCBL C SIGNAL 14 4C	FOOT	608.000	2.20	\$1,337.60
87301245	ELCBL C SIGNAL 14 5C	FOOT	215.000	2.20	\$473.00
87301580	ELCBL C COMMUNICATION 14 3PR	FOOT	1,030.000	0.50	\$515.00
87301900	ELCBL C EGC 6 1C	FOOT	224.000	3.04	\$680.96
87700190	S MAA & P 30	EACH	2.000	4,491.00	\$8,982.00
87800200	CONC FDN TY D	FOOT	3.000	457.00	\$1,371.00
87800415	CONC FDN TY E 36D	FOOT	22.000	265.00	\$5,830.00
880301X1	PED SIG HYBRID TS HEAD LED 1F 3S MAM	EACH	4.000	1,063.50	\$4,254.00
880301X2	PED SIG HYBRID TS HEAD LED 1F 3S BM	EACH	2.000	1,016.50	\$2,033.00
88102825	PED SIG HD P LED 1F BM	EACH	2.000	793.50	\$1,587.00
88800100	PED PUSH-BUTTON	EACH	2.000	264.70	\$529.40
X7010208	TRAF CONT & PROT SPL	L SUM	1.000	2,325.00	\$2,325.00
X8100863	INTERCEPT EXISTING CONDUIT	EACH	1.000	740.00	\$740.00
X8570226	FAC T4 CAB SPL	EACH	1.000	13,495.00	\$13,495.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000	5,440.00	\$5,440.00
				TOTAL	\$86,949.87

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 Laser Electric, Inc.

Signed by Michael E. Snyder v.p.

Business Address 3611 SW Adams St.
P.O. Box 5008, Peoria, IL 61601

Insert Names
of Officers:

Valerie J. Martin
President
Gretchen L. Hammer

Secretary
Gretchen L. Hammer

Treasurer

Michael E. Snyder

Jerry R. Martin

Thaddeus L. Martin

Vice President(s)

Attest: Gretchen L. Hammer
Secretary



Proposal Bid Bond

RETURN WITH BID

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

WE LASER ELECTRIC, INC. P.O. BOX 5008 PEORIA, IL 61601

as PRINCIPAL, an OLD REPUBLIC SURETY COMPANY

1503 42nd ST., SUITE 100 WEST DES MOINES, IA 50266 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 3rd day of OCTOBER A.D. 2014

Principal

LASER ELECTRIC, INC.

(Company Name)

By: Gretchen Hammer Corp. Sec. (Signature and Title)

(Company Name) (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

OLD REPUBLIC SURETY COMPANY

(Name of Surety)

By: Mr. D. G. Strode (Signature of Attorney-in-Fact) MICHAEL G. STRODE

STATE OF ILLINOIS,

COUNTY OF PEORIA

I, CHRISTINE S. STAFFORD, a Notary Public in and for said county,

do hereby certify that GRETCHEN HAMMER / MICHAEL G. STRODE (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.

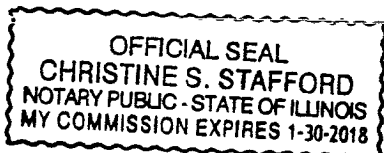
Given under my hand and notarial seal this 3rd day of OCTOBER A.D. 2014

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 JANUARY 30, 2018

Christine S. Stafford (Notary Public)





OLD REPUBLIC SURETY COMPANY

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and point:

WILLIAM C. VOORHEES, STEVEN R. MALPEDE, MICHAEL G. STRODE, OF PEORIA, IL

its true and lawful Attorney(s)-in-Fact, with full power and authority, not exceeding \$20,000,000, for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, asbestos abatement contract bonds, waste management bonds, hazardous waste remediation bonds or black lung bonds), as follows:

ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED AN AGGREGATE OF THREE MILLION DOLLARS(\$3,000,000)----- FOR ANY SINGLE OBLIGATION, REGARDLESS OF THE NUMBER OF INSTRUMENTS ISSUED FOR THE OBLIGATION.

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This document is not valid unless printed on colored background and is multi-colored. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president, or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

- RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company
- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
 - (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
 - (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.

RESOLVED FURTHER, that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 18TH day of JUNE, 2013.

OLD REPUBLIC SURETY COMPANY

Phyllis M. Johnson
Assistant Secretary



Alan Pavlic
President

STATE OF WISCONSIN, COUNTY OF WAUKESHA-SS

On this 18TH day of JUNE, 2013, personally came before me, Alan Pavlic and Phyllis M. Johnson, to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say, that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.



Kathryn R. Pearson
Notary Public

My commission expires: 9/28/2014

CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

40-1829



Signed and sealed at the City of Brookfield, WI this 3rd day of October, 2014.

James C. Phernoy
Assistant Secretary

HEDIGER & MEYERS, INC.



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: Laser Electric, Inc.
 Address: POB 5008 Peoria, IL 61601
 Phone: 309-693-2400
 Contact Person: Mike Snyder
 Email: mike.snyder@laserelectricinc.com

Name: Sheridan Road Hawk Signal
 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
<u>CJL LANDSCAPING</u>	<u>WBE</u>	<u>\$ 989.00</u>	<u>1.2 %</u>	<u>SOD, WATERING</u>
<u>MILLENNIA ENG</u>	<u>WBE</u>	<u>\$ 4810.00</u>	<u>5.3 %</u>	<u>LAYOUT</u>
TOTALS				

**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
<i>see attached</i>	<i>fax & telephone</i>	

**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.

Bretchen S. Hammer
Signature of Prime Contractor

Oct. 3, 2014
Date

Org.: May 2008
Revised: Feb. 2011

For Office Use Only
Reviewed by: _____

FACSIMILE TRANSMISSION COVER SHEET

From: Laser Electric, Inc.

P.O. Box 5008
Peoria, IL 61601-5008
Telephone (309) 693-2400
Facsimile (309) 676-7732

e-mail: mike.snyder@laserelectricinc.com

Date: September 19, 2014



Total number of pages including this cover sheet: 1

This information is intended for the addressee only and may be considered confidential or privileged information. If you receive this information in error, please contact us at (309) 693-2400 to arrange for return.

Millenia Professional Services
Fax (309) 321-8142

City of Peoria
Sheridan Road Hawk Signal
10/03/2014 Bid Date

Z0013798 Construction Layout L SUM 1.0

Plans and specifications are available at our office for review or from the City of Peoria.
Please return your quote to our office no later than Weds., October 1, 2014

Contact Mike Snyder with questions.

FACSIMILE TRANSMISSION COVER SHEET

From: Laser Electric, Inc.

P.O. Box 5008
Peoria, IL 61601-5008
Telephone (309) 693-2400
Facsimile (309) 676-7732

e-mail: mike.snyder@laserelectricinc.com

Date: September 19, 2014

FAXED

Total number of pages including this cover sheet: 1

This information is intended for the addressee only and may be considered confidential or privileged information. If you receive this information in error, please contact us at (309) 693-2400 to arrange for return.

Wards Custom Landscaping
Fax (309)671-5281

City of Peoria
Sheridan Road Hawk Signal
10/03/2014 Bid Date

25200110 SODDING, SALT TOLERANT SQ YD 16.0
25200200 SUPPLEMENTAL WATERING UNIT .08

Plans and specifications are available at our office for review or from the City of Peoria.
Please return your quote to our office no later than Weds., October 1, 2014

Contact Mike Snyder with questions.

TRANSACTION REPORT

SEP/19/2014/FRI 08:27 AM

FAX (TX)

#	DATE	START T.	RECEIVER	COM. TIME	PAGE	TYPE/NOTE	FILE
	SEP/19	07:54AM	6715281			MEMORY BUSY	9024

THE FOLLOWING DATA COULD NOT BE SENT.
PLEASE GIVE THIS TRANSACTION REPORT TO SENDER.

FACSIMILE TRANSMISSION COVER SHEET

From: Laser Electric, Inc.

Date: September 19, 2014

P.O. Box 5008
Peoria, IL 61601-5008
Telephone (309) 693-2400
Facsimile (309) 676-7732
e-mail: mike.snyder@laserelectricinc.com

Total number of pages including this cover sheet: 1

This information is intended for the addressee only and may be considered confidential or privileged information. If you receive this information in error, please contact us at (309) 693-2400 to arrange for return.

Wards Custom Landscaping
Fax (309)671-5281

City of Peoria
Sheridan Road Hawk Signal
10/03/2014 Bid Date

25200110 SODDING, SALT TOLERANT SQ YD 16.0
25200200 SUPPLEMENTAL WATERING UNIT .08

Plans and specifications are available at our office for review or from the City of Peoria.
Please return your quote to our office no later than Weds., October 1, 2014

Contact Mike Snyder with questions.

FACSIMILE TRANSMISSION COVER SHEET

From: Laser Electric, Inc.

P.O. Box 5008
Peoria, IL 61601-5008
Telephone (309) 693-2400
Facsimile (309) 676-7732

e-mail: mike.snyder@laserelectricinc.com

Date: September 19, 2014

FAXED

Total number of pages including this cover sheet: 1

This information is intended for the addressee only and may be considered confidential or privileged information. If you receive this information in error, please contact us at (309) 693-2400 to arrange for return.

CJL Landscaping
10902 W Us Highway 150
Brimfield, IL 61517
Fax (309)691-5131

City of Peoria
Sheridan Road Hawk Signal
10/03/2014 Bid Date

25200110 SODDING, SALT TOLERANT SQ YD 16.0
25200200 SUPPLEMENTAL WATERING UNIT .08

Plans and specifications are available at our office for review or from the City of Peoria. Please return your quote to our office no later than Weds., October 1, 2014

Contact Mike Snyder with questions.

Mike Snyder

To: bharmon@mcstraffic.com
Subject: City of Peoria Sheridan Road Hawk Signal
Attachments: MX-2600N_20140919_080320.pdf


Please quote TCC&P

Michael Snyder

Vice President, Operations
Laser Electric, Inc.
PO Box 5008
Peoria, IL 61601-5008
(309)693-2400 ph
(309)676-7732 fax
mike.snyder@laserelectricinc.com

CONFIDENTIALITY NOTICE: This email and any attached files are intended only for the use of the individual or entity to which they are addressed and may contain information that is confidential, proprietary, privileged and/or exempt from disclosure under applicable law. If you are not the intended recipient you are notified that any distribution, copying, disclosure, use of, or reliance on the contents of this transmission is strictly prohibited. If you have received this transmission in error, please notify the sender immediately by return e-mail (or email mike.snyder@laserelectricinc.com) and destroy the transmission by deleting the original message attachments and all copies.

Mike Snyder

 **To:** Paul Moreno (pmoreno@mps-il.com)
Subject: City of Peoria Sheridan Road Hawk Signal
Attachments: MX-2600N_20140919_080320.pdf

Importance: High

Interested in the concrete, etc. on this
Bids 10/03
Plans & specs at city or our office

Michael Snyder

Vice President, Operations
Laser Electric, Inc.
PO Box 5008
Peoria, IL 61601-5008
(309)693-2400 ph
(309)676-7732 fax
mike.snyder@laserelectricinc.com

CONFIDENTIALITY NOTICE: This email and any attached files are intended only for the use of the individual or entity to which they are addressed and may contain information that is confidential, proprietary, privileged and/or exempt from disclosure under applicable law. If you are not the intended recipient you are notified that any distribution, copying, disclosure, use of, or reliance on the contents of this transmission is strictly prohibited. If you have received this transmission in error, please notify the sender immediately by return e-mail (or email mike.snyder@laserelectricinc.com) and destroy the transmission by deleting the original message attachments and all copies.

FACSIMILE TRANSMISSION COVER SHEET

From: **Laser Electric, Inc.**

P.O. Box 5008

Peoria, IL 61601-5008

Telephone (309) 693-2400

Facsimile (309) 676-7732

e-mail: mike.snyder@laserelectricinc.com

Date: September 19, 2014

Total number of pages including this cover sheet: 1

This information is intended for the addressee only and may be considered confidential or privileged information. If you receive this information in error, please contact us at (309) 693-2400 to arrange for return.

PA Atherton Construction Inc.

City of Peoria

Sheridan Road Hawk Signal

10/03/2014 Bid Date

See attached Schedule of Quantities

Plans and specifications are available at our office for review or from the City of Peoria. Please return your quote to our office no later than Weds., October 1, 2014

Contact Mike Snyder with questions.

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

PRIME CONTRACTOR

Name: Laser Electric, Inc.
Address: POB 5008, Peoria, IL 61601
Phone: 309-693-2400
Contact Person: Mike Snyder

PROJECT

Name: Sheridan Road Hawk Signal

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) _____

X **LIMITED RESPONSE**

SIGNED: *Mitchell J. Hamner*
(Company Official)

DATE: October 3, 2014

FOR OFFICE USE ONLY

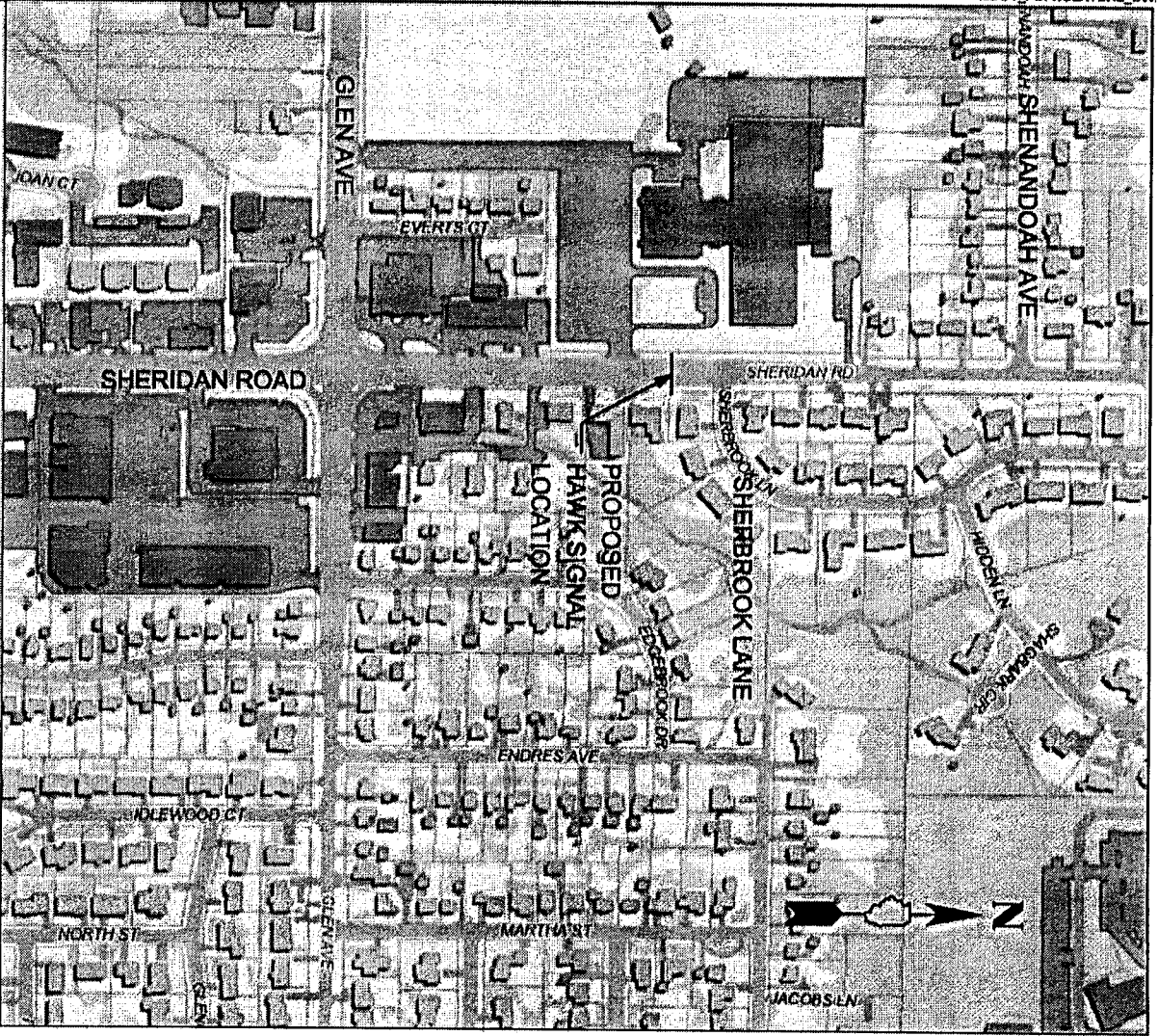
APPROVED


DISAPPROVED

REVIEWED BY _____

DATE _____

GENERAL CONDITIONS



CITY OF PEORIA	
SHERIDAN ROAD HAWK SIGNAL LOCATION MAP	
SCALE: NO SCALE	TERRA PROJ. NO. 13-183
DATE 08/13/14	
PREPARED BY: CL	
CHECKED BY: CL	
 TERRA ENGINEERING LTD.	FIGURE 1

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 SHERIDAN ROAD HAWK SIGNAL, 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 improvements are located along Sheridan Road between Glen Avenue and Sherbrook Lane in the City of Peoria, Peoria County, IL.

The work under this contract shall consist of:

- The installation of a new pedestrian hybrid signal equipment and associated facilities;
- Construct a signal interconnection between the existing controller at Sheridan/Glen intersection and the Hawk Signal controller adjacent to Peoria Notre Dame School by utilizing an existing 3" PVC conduit;
- Removal of curb and gutter, concrete sidewalk and pavement markings;
- The Construction of curb and gutter, concrete sidewalk and concrete ramps, pavement markings and signing; and
- Other work necessary to complete construction as shown in the plans and required by the specifications.

The work shall include all labor, materials tools and equipment necessary for the proper execution and completion of the work as shown in the plans and as specified.

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 or 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 **April 17, 2015**. 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.

Furthermore, the City of Peoria requires that all electrical improvements be completed by January 31, 2015.

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 September 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	6.100	11.43	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		33.650	35.650	1.5	1.5	1.5	10.30	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
PILEDRIIVER		BLD		31.380	33.630	1.5	1.5	2.0	8.000	14.71	0.000	0.520
PILEDRIIVER		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
S-> NOT IN EFFECT	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
TUCK POINTER	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, bricksetters, cutting torchman (electric & acetylene), men setting lines to level forms, form setters, gunite nozzle man & sandblasting nozzle man, power man, and rip-rapping by hand.

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Drivers on 2 axle trucks hauling less than 9 ton. Air compressor and welding machines and brooms, including those pulled by separate units, truck driver helpers, warehouse employees, mechanic helpers, greasers and tiremen, pickup trucks when hauling materials, tools, or workers to and from and on-the-job site, and fork lifts up to 6,000 lb. capacity.

Class 2. Two or three axle trucks hauling more than 9 ton but hauling less than 16 ton. A-frame winch trucks, hydrolift trucks, vactor trucks or similar equipment when used for transportation purposes. Fork lifts over 6,000 lb. capacity, winch trucks, four axle combination units, and ticket writers.

Class 3. Two, three or four axle trucks hauling 16 ton or more. Drivers on water pulls, articulated dump trucks, mechanics and working forepersons, and dispatchers. Five axle or more combination units.

Class 4. Low Boy and Oil Distributors.

Class 5. Drivers who require special protective clothing while employed on hazardous waste work.

TRUCK DRIVER - OIL AND CHIP RESEALING ONLY.

This shall encompass laborers, workers and mechanics who drive contractor or subcontractor owned, leased, or hired pickup, dump, service, or oil distributor trucks. The work includes transporting materials and equipment (including but not limited to, oils, aggregate supplies, parts, machinery and tools) to or from the job site; distributing oil or liquid asphalt and aggregate; stock piling material when in connection with the actual oil and chip contract. The Truck Driver (Oil & Chip Resealing) wage classification does not include supplier delivered materials.

OPERATING ENGINEERS - BUILDING

Class 1. Cranes; Overhead Cranes; Gradall; All Cherry Pickers; Mechanics; Central

Concrete Mixing Plant Operator; Road Pavers (27E -Dual Drum - Tri Batcher); 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; Pumpcrete-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 - Koehring 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, SPECIAL

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:

(701101, 701006; 701502; 701602; 701606; 701801; 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 operations to provide access to all businesses and residences 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, SPECIAL will be paid for as a lump sum item which price

shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

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.

- (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 EEO) 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 EEO and/or the FEHC.
- (H) That it will permit access to all relevant books, records, accounts and work sites by EEO 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 EEO 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 EEO 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 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.

org. 05/08/08
rev. 04/17/12

HUMAN RIGHTS ACT

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

- a. The illegality of sexual harassment;
- b. The definition of sexual harassment under State law;
- c. A description of sexual harassment, utilizing examples;
- d. The bidder's internal complaint process including penalties;
- e. The legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission;
- f. Directions on how to contact the Department and the Commission;
- g. Protection against retaliation as provided in the Act.

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

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

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.

CONSTRUCTION LAYOUT

Construction Layout shall meet the requirements of CHECK SHEET #9, SPECIAL PROVISION FOR CONSTRUCTION LAYOUT STAKES EXCEPT FOR BRIDGES, as found in the Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2014, by the Illinois Department of Transportation.

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.

SIDEWALK REMOVAL

This work shall consist of the removal of all 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.

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 associated for which granular material is required.

*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 **not** be paid for separately but included in the cost of the item associated for which granular material is required.

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 for which the granular material is required.

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 SQUARE FOOT 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. Unless otherwise specified, all disturbed areas not designated to receive sodding, shall receive seeding and mulching.

SIDEWALK RAMPS FOR THE DISABLED

Sidewalk ramps shall be constructed per ADA requirement. Details of ramps are per Highway Standard, 424016-01 (Standards 424001-07, 424006-01, 424011-01, 424021-01, 424026-01, and 424031-01 are not anticipated, but shall be included if their use warrants). 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.

ELECTRIC SERVICE INSTALLATION

This work shall be performed in accordance with the Sections 804 and 805 of the Standard Specifications. This work will consist of supplying a service connection from the Ameren transformer located at Station 208+64.50, 52' LT along Sheridan Road, this new service connection shall be added to supply the proposed Traffic Signal Controller cabinet located on the west side of the Sheridan Road. The proposed traffic signal cabinet shall be supplied with 120V service. The meter for the proposed traffic signals shall be mounted to the outside of the traffic controller cabinet.

The work described herein and as shown in the plans, including any charges by the utility company to provide electrical service and/or meter connection fees, will be paid for at the contract unit price per each for ELECTRIC SERVICE INSTALLATION.

ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) I/C NO. 6

This specification applies only to cable used for the proposed traffic signal system grounding.

Description

This work shall consist of furnishing and installing electric cables in conduit, complete with all splicing, identifications, and terminations, in accordance with Section 817 of the Standard Specifications, as detailed in the plans, and the following additions or exceptions.

The single conductor number 6 AWG electric cable shall be used for the system grounding conductor. The conductor shall be copper in accordance with Article 1066.02(b) of the Standard Specifications.

The cable shall be exothermically welded to all ground rods within the component traffic signal system. All required exothermic welds shall be included in the cost of Electric Cable in Conduit, 600V (XLP-Type USE) I/C No. 6.

Cable splices will only be permitted in concrete handholes and double handholes unless otherwise directed by the Engineer. Cable splices shall be in accordance with Article 1066.06 of the Standard Specifications.

The cable shall be marked with green electrical tape in all pole and post handholes, all concrete handholes and double handholes, and the traffic signal controller cabinet.

Measurement and Payment

This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE-USE) I/C NO. 6, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

CONCRETE FOUNDATION, TYPE E

Description

This work shall be performed in accordance with Section 878 of the Standard Specifications, the details in the plans (Highway Standard 878011), and the following additions or exceptions. The length of the foundation as provided in the plans is estimated. Actual field length of foundation will be provided by the engineer pending a sub-surface soil investigation to evaluate the in-place conditions. Increase or decrease in plan quantity shall not constitute a change in the established contract unit price to perform this work.

The mast arm pole shall be connected to the ground rod using a number 6 AWG copper conductor exothermically welded to the ground rod. No traffic system component shall be grounded within 11 feet of the controller cabinet, unless the controller cabinet is mounted to a traffic signal pole or mast arm. All other foundations within 11 feet of the controller cabinet shall not include a ground rod.

The number 6 AWG copper conductor that connects the mast arm pole to the ground rod and the required exothermic weld at the ground rod shall be included in the cost of the foundation.

The contractor shall be responsible for reviewing and inspecting the mast arm assemblies and the required pole-to-foundation connection prior to setting and pouring the concrete foundation

Measurement and Payment

This work will be paid for at the contract unit price per foot of depth of CONCRETE FOUNDATION, TYPE E, of the diameter specified, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

TRAFFIC SIGNAL BACKPLATE

This work shall consist of furnishing and installing a traffic signal back plate in accordance with Sections 882 and 1078.03 of the Standard Specifications for Road and Bridge Construction and the following exceptions.

The traffic signal back plates shall be of the same material as the traffic signal heads as specified on the plans.

A three (3) inch wide strip of reflective sheeting shall be applied to the outside perimeter of the face of the back plates. The reflective tape shall be fluorescent yellow in color and shall consist of type AZ sheeting.

Basis of Payment: This item will be paid for at the contract unit price each for TRAFFIC SIGNAL BACKPLATE for supplying and installing the traffic signal back plate with reflective tape to the satisfaction of the Engineer.

PEDESTRIAN HYBRID TRAFFIC SIGNAL HEAD

Description

This work shall be performed in accordance with Section 880 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

All circular signal modules shall measure 12" in diameter. .

The lens for a red or yellow signal module shall be tinted red or yellow.

All housings and connections shall be black in color, except for the brackets for mast arm mounted signal heads, which shall be unpainted. Bracket mounted signal heads shall be mounted with a PELCO Astro-Brac Articulated Serrated Assembly capable of supporting a 3- section cluster, cable or band-mount and internal wiring capability (model AB-0162- modified). The contractor shall submit shop drawings prior to ordering and installing mounting hardware.

Measurement and Payment

This work will be paid for at the contract unit price each for PEDESTRIAN HYBRID SIGNAL- TRAFFIC SIGNAL HEAD, 3- SECTION, of the method of mounting specified, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

TRAFFIC SIGNAL CABINET

Description

This work shall be in accordance with Section 857 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

The controller provided must be capable of controlling the operations of the Pedestrian Hybrid Beacon function. In addition the controller must be cable of allowing for an interconnection to the signal controller at the intersection of Glen and Sheridan which will provide the master control to this location.

The controller cabinet shall contain separate ground and neutral buses. The neutral bus shall be electrically isolated from ground. The controller cabinet shall be grounded to the system grounding conductor in accordance with the NEC and the NESC. All references to proposed traffic signal controller in the specifications shall mean **Full Actuated Controller and Type IV Cabinet, Special**. The meter box installation shall be a separate meter box similar or equal to a TESCO Pad Mounted Type 27-100 III AF.

The controller cabinet shall contain a surge protector. The controller cabinet shall contain a minimum of one circuit breaker rated 10A for the control equipment and one circuit breaker rated 40A for the signal load in accordance with Article 1074.03(b)(3) of the Standard Specifications.

Hybrid Pedestrian Flasher

The Hybrid Pedestrian Flasher is a combination beacon flasher and pedestrian signal for marked pedestrian crossings. It is an extension of the traditional school bus flashing warning signal where children are crossing the road. The beacon signal consists of a signal head with a configuration of a horizontal RED -RED lens at the top with a YELLOW lens located centered underneath. The pedestrian signal indication is the typical DON'T WALK- WALK signal with countdown timer.

The beacon signal is DARK and the pedestrian signal is DON'T WALK until actuated by a pedestrian. When actuated by a pedestrian, the beacon signal begins a FLASHING YELLOW indication to warn vehicle driver

the signal is about to change. The FLASHING YELLOW is followed by a SOLID YELLOW indication advising vehicle drivers to prepare to stop. The beacon signal then changes to a SOLID RED indication and an all-red clearance interval is provided for vehicles and pedestrians. Then the pedestrian signal changes from DON'T WALK to WALK while the vehicle indication remains SOLID RED. When the pedestrian signal changes from WALK to FLASHING DON'T WALK, the beacon signal changes from SOLID RED to ALTERNATING FLASHING RED, allowing the vehicle drivers to proceed when safe after stopping at the cross walk. When the pedestrian signal completes the pedestrian clearance interval it changes to DON'T WALK and the vehicular indication goes DARK until activated again.

The following represents the sequence when Phase 1 is the 'Vehicle' Phase and Phase 2 is the 'Pedestrian' Phase:

Interval	1	2	3	4	5	6	7	1
LS1	G	FY	Y	R	R	FR	FR	G
LS2	G	FY	Y	R	R	FR	FR	G
LS3	DW	DW	DW	DW	W	FDW	D	DW

The Flashing Red (FR) in intervals 6 and 7 are alternating between LS1 & LS2.

The following represents the signal hookup for the sequence:

Beacon Red 1	LS1 - Red
Beacon Red 2	LS2 - Red
Beacon Yellow	LS1 - Yellow
Ped Don't Walk	LS3 - Red
Ped Walk	LS3 - Green

Notes:

- Interval 1 is timed by Phase 1 Walk.
- Interval 2 is timed by Phase 1 Pedestrian Clear
- Interval 3 is timed by Phase 1 Yellow Change
- Interval 4 is timed by Phase 1 Red Clear
- Interval 5 is timed by Phase 2 Walk
- Interval 6 is timed by Phase 2 Pedestrian Clear
- Interval 7 is timed by Phase 2 Red Clear

Phase 1 is programmed for Pedestrian Recall and Actuated Rest In Walk

Phase 2 is programmed for Extended Ped Clear through Yellow Change

LS1 Green output is not used but provided to enable monitoring and must have a load resistor installed.
 LS2 Green & Yellow outputs are not used but provided to enable monitoring and must have a load resistors installed

Monitor Channels for LS1 & LS2 must be programmed as Permissive.

Proposed signal timings shall be provided by the engineer to the contractor to be programmed into the furnished controller.

Measurement and Payment

This work will be paid for at the contract unit price each for FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

INTERCEPT EXISTING CONDUIT

Description

This work shall including placing a new handhole in accordance with Section 814 of the Standard Specifications, the details in the plans, but will require locating the existing 3-inch interconnect conduit along the east side of Sheridan Road and placing the new handhole over the existing conduit.

When intercepting existing conduit, adequate support must be provided in order to prevent damage to the conduit and cables. If the conduit run to be intercepted is concrete encased, carefully remove all existing concrete. Generally, the encasement can be removed without damage to plastic, HDG, or similar conduit materials. The cable inside the handhole must be disconnected from the signal controller at Glen and Sheridan and pulled back to a handhole located on the north side of the location of interception likely the intersection of Sheridan and Sherbrook.

The conduit within the handhole shall be removed after installation of the handhole to allow for cable to be accessed within the new handhole.

Subsequent to interception of the conduit and installation of the handhole the disconnected cables from the Glen and Sheridan signal controller shall be run back to the controller and reconnected in the same configuration as prior to the disconnection.

Measurement and Payment

This work will be paid for at the contract unit price each for INTERCEPT EXISTING CONDUIT, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

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 1st, 2006, in accordance with recent changes to chapter 17 of the Peoria Municipal Code, a fifty-dollar (\$50.00) processing fee will be charged with each submission of the Employer Report Form CC-1 and the Renewal Application. The only exception to payment of the processing fee is neighborhood associations.

Method of Processing Fee Payment: The City of Peoria Treasurer's office will only accept check, money order, and cash payment. Make checks payable to the "City of Peoria".

Who needs to fill out the Employer Report Form CC-1 or the Renewal Application? Any business providing a good or service to the City for remuneration or any business receiving financial assistance from the City.

Under what legal authority does the City of Peoria require this application? The filing requirement is authorized under chapter 17, Peoria Municipal Code, section 17-120(b).

Which form do I submit?

Employer Report Form CC-1: If your company has not received an EEO Certification Number from the City of Peoria, you need to complete the Employer Report Form CC-1. You will also need to submit a copy of your company's **Sexual Harassment Policy** (for specific instructions on the sexual harassment policy, see the Sexual Harassment Policy Information Sheet).

Renewal Application: If your company currently has an EEO Certification Number from the City of Peoria that has expired, or is about to expire, you only need to complete the Renewal Application form. If you are submitting the Renewal Application you do not need submit the Sexual Harassment Policy as it is already on file.

Submittal Instructions: Either mail or hand deliver your completed materials.

Mail: Mail forms and payment to the Office of Equal Opportunity. The EO Office will review the forms. If they are complete and correct, the EO Office will process your forms and mail, fax, or email you a copy of your EEO certificate. Send forms and payment to:

City of Peoria
Office of Equal Opportunity
419 Fulton Street, Room 303
Peoria, IL 61602-1276

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 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 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

Name: _____
 Address: _____
 Phone: _____
 Contact Person: _____

PROJECT

Name: _____
 Pay Estimate No: _____
 Percent Complete: _____ %
 Work Period: _____ to _____

INSTRUCTIONS: Complete the table below. If additional space is needed attach extra pages as needed and included all information listed in the table below; along with project name and prime contractor.

Subcontractor (Name)	Payment Amount	Payment Type (F-full/ P-partial)
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
Total Payment Amount for Work Completed	\$	

This form is to verify the work completed and the amount paid to a subcontractor utilized on the above listed project. Under penalty of law for perjury or falsification, the undersigned certifies that the payment reported herein was made to the subcontractors listed.

 Signature of Prime Contractor

 Date

CITY OF PEORIA MONTHLY WORKFORCE ANALYSIS

Check appropriate status

Contractor
 Subcontractor

Month Ending _____

Name: _____

Address: _____

Contact Person: _____ Phone: _____

Project: _____

Date Work Started: _____ Percent Complete: _____ %

Job Categories	Number of Employees				Hours of Employment									
	Total # of Employees		Total Minorities		African American		Asian/Pacific Islander		American Indian/Alaskan Native		Hispanic		White	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Foremen														
Electricians														
Glaziers														
Iron Workers														
Laborers														
Teamsters														
Millwrights														
Pipe Fitters														
Plumbers														
Plasterers														
Painters														
Roofers														
Operating Engs														
Tile Layers														
Sheet Metal Wkrs														
TOTALS														

Instructions: The total number of hours worked on the project (Hours of Employment), and the total number of individuals working on the project during the reporting period (Number of Employees) should be submitted on this form to the Project Resident Engineer 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 _____
_____ Subcontractor. Complete Part 1
_____ Self-Performance. Complete Part 2

Date: _____

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: _____
Contractor Title

MISCELLANEOUS

Page left blank intentionally

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

BY: _____
City Manager

ATTEST: _____
City Clerk

EXAMINED AND APPROVED:

Corporation Counsel

PARTY OF THE SECOND PART

(name of individual, firm, or corporation)

BY: _____
(member of firm or officer of corporation)

(If a Co-Partnership)

(seal)
(seal)

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

(If an Individual)

(Party of the second part) (seal)

STANDARDS

Page left blank intentionally

AB / ABOVE	CU YD CUBIC YARD	HD HEAD	PEB PEDESTAL	STD STANDARD
AC ACCESS CONTROL	CU.V CULVERT	HDW HEADWALL	PNT POINT	SBI STATE BOND ISSUE
AD ACRE	C&G CURB & GUTTER	HNU HEAVY DUTY	PC POINT OF CURVATURE	SR STATE ROUTE
ADJ ADJUST	D DEGREE OF CURVE	HO HECTARE	PI POINT OF INTERSECTION OF HORIZONTAL CURVE	STA STATION
AS AERIAL SURVEYS	DC DEPRESSED CURVE	HMA HOT MIX ASPHALT	PRC POINT OF REVERSE CURVE	SPGR STEEL PLATE BEAM GUARDRAIL
AGG AGGREGATE	DET DETECTOR	HNY HIGHWAY	PT POINT OF TANGENCY	SS STORM SEWER
AH AHEAD	DIA DIAMETER	HORIZ HORIZONTAL	POT POINT ON TANGENT	STY STORY
APF APARTMENT	DIST DISTRICT	HSE HOUSE	POLYETH POLYETHYLENE	STR STREET
ASPH ASPHALT	DOM DOMESTIC	IL ILLINOIS	PCC PORTLAND CEMENT CONCRETE	STR STRUCTURE
AUX AUXILIARY	DBL DOUBLE	IMP IMPROVEMENT	PP POWER POLE OR PRINCIPAL POINT	# SUPERELEVATION RATE
AGV AUXILIARY GAS VALVE (SERVICE)	DSEL DOWNSTREAM ELEVATION	IN DIA INCH DIAMETER	PRM PRIME	S.E. RUN. SURF. SUPERELEVATION RUNOFF LENGTH
AV. AVENUE	DSFL DOWNSTREAM FLOWLINE	INL INLET	PE PRIVATE ENTRANCE	SMK SURFACE SURVEY MARK
AX AXIS OF ROTATION	DR DRAINAGE OR DRAIN	INST INSTALLATION	PROF PROFILE	T TANGENT DISTANCE
BK BACK	DI DRAINAGE INLET OR DROP INLET	IDS INTERSECTION DESIGN STUDY	PGL PROFILE GRADELINE	T.R. TANGENT RUNOUT DISTANCE
B-L BACK TO BACK	DRV DRIVEWAY	INV INVERT	PROJ PROJECT	TEL TELEPHONE
BK-L BACKPLATE	DCT DUCT	IP IRON PIPE	P.C. PROPERTY CORNER	TB TELEPHONE BOX
B BARN	EA EACH	IR IRON ROD	PL PROPERTY LINE	TP TELEPHONE POLE
BAH BARRICADE	EB EASTBOUND	JI JOINT	PR PROPOSED	TEMP TEMPORARY
BC-I BEGIN	EOP EDGE OF PAVEMENT	Kg KILOGRAM	R RADIUS	TBM TEMPORARY BENCH MARK
BM BENCHMARK	E-CL EDGE TO CENTERLINE	Km KILOMETER	RR RAILROAD	TD TILE DRAIN
BIND BINDER	E-E EDGE TO EDGE	LS LANDSCAPING	RHS RAILROAD SPIKE	TBE TO BE EXTENDED
BIT BITUMINOUS	EL ELEVATION	LN LANE	RPS REFERENCE POINT STAKE	TBR TO BE REMOVED
BTM BOTTOM	ENR ENTRANCE	LT LEFT	REF REFLECTIVE	TBS TO BE SAVED
BLYD BOULEVARD	EXC EXCAVATION	LP LIGHT POLE	REINF REINFORCED CONCRETE CULVERT PIPE	TWP TOWNSHIP
BR BRICK	EX EXISTING	LGT LIGHTING	REMO REMOVAL	TR TOWNSHIP ROAD
BR-X BUFFALO BOX	EXPWY EXPRESSWAY	LF LINEAL FEET OR LINEAR FEET	RC REMOVE CROWN	TS TRAFFIC SIGNAL
BULD BUILDING	E EXTERNAL DISTANCE OF HORIZONTAL CURVE	L LITER OR CURVE LENGTH	REP REPLACEMENT	TSCB TRAFFIC SIGNAL CONTROL BOX
CB CAST IRON PIPE	E OFFSET DISTANCE TO VERTICAL CURVE	L.C LONG CHORD	REST RESTAURANT	TSC TRAFFIC SYSTEMS CENTER
CB CATCH BASIN	F-F FACE TO FACE	LNG LONGITUDINAL	RESURF RESURFACING	TRV TRANSVERSE
C-C CENTER TO CENTER	FA FEDERAL AID	L SUM LUMP SUM	RET RETAINING	TRVL TRAVEL
CL CENTERLINE OR CLEARANCE	FBI FEDERAL AID INTERSTATE	MACH MACHINE	RT RIGHT	TRM TURN
CL-E CENTERLINE TO EDGE	FAP FEDERAL AID PRIMARY	MB MAIL BOX	ROW RIGHT-OF-WAY	TY TYPE
CL-F CENTERLINE TO FACE	FAS FEDERAL AID SECONDARY	MH MAIL HANDLE	RD ROAD	TYP TYPICAL
CTS CENTERS	FAUS FEDERAL AID URBAN SECONDARY	MATL MATERIAL	RDMW ROADWAY	UNDCND UNDERGROUND
CERT CERTIFIED	FP FENCE POST	MED MEDIUM	RTE ROUTE	USGS U.S. GEOLOGICAL SURVEY
CHSLD CHISELED	FE FIELD ENTRANCE	METH METER	SAN SANITARY	USEL UPSTREAM ELEVATION
CS CITY STREET	FH FIRE HYDRANT	M MID-ORDINATE	SANS SANITARY SEWER	USFL UPSTREAM FLOWLINE
CP CLAY PIPE	FL FLOW LINE	mm MILLIMETER	SEC SECTION	UTIL UTILITY
CLS.D CLOSED	FB FOOT BRIDGE	mm DIA MILLIMETER DIAMETER	SEED SEEDING	VBOX VALVE BOX
CLID CLOSED LID	FON FOUNDATION	MIX MIXTURE	SHAP SHAPING	VV VALVE VAULT
CT COAT OR COURT	FR FRAME	MH1 MOBILE HOME	S SIEDE	VLT VAULT
CO/B COMBINATION	F&G FRAME & GRATE	MOD MODIFIED	SH SHEET	VEH VEHICLE
C COMMERCIAL BUILDING	FRWAY FREEWAY	MFT MOTOR FUEL TAX	SHLD SHOULDER	VP VENT PIPE
CE COMMERCIAL ENTRANCE	GAL GALLON	N & DC MAIL & BOTTLE CAP	SW SIDEWALK OR SOUTHWEST	VERT VERTICAL
CONC CONCRETE	GALV GALVANIZED	N & C MAIL & CAP	SIG SIGNAL	VC VERTICAL CURVE
CONST CONSTRUCT	GA GAS METER	N & W MAIL & WASHER	SOD SODDING	VPC VERTICAL POINT OF CURVATURE
CONTD CONTINUED	GV GAS VALVE	NAAA NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION	SM SOLID MEDIUM	VPI VERTICAL POINT OF INTERSECTION
CONT CONTINUOUS	GRAN GRANULAR	NC NORMAL CROWN	SB SOUTHBOUND	VPT VERTICAL POINT OF TANGENCY
COH CORNER	OR GRATE	NB NORTHBOUND	SE SOUTHEAST	WM WATER METER
COH.R CORRUGATED	GRV GRAVEL	NE NORTHEAST	SPL SPECIAL	WV WATER VALVE
CM.P CORRUGATED METAL PIPE	GRV.GRAVEL	NW NORTHWEST	SD SPECIAL DITCH	WMAIN WATER MAIN
CNTY COUNTY	GND GROUND	OLD OPEN LID	SQ FT SQUARE FEET	WB WESTBOUND
CH COUNTY HIGHWAY	GRV.GRAVEL	PAT PATTERN	m 2 SQUARE METER	WDLFL WILDFLOWERS
CSE COURSE	GRV.GRAVEL	PVD PAVED	mm 2 SQUARE MILLIMETER	W WITH
XSE CT CROSS SECTION	GP GUY POLE	PVMT PAVEMENT	SO YD SQUARE YARD	WO WITHOUT
m 3 CUBIC METER	GW GUY WIRE	PM PAVEMENT MARKING	STB STABILIZED	
mm 3 CUBIC MILLIMETER	HH HANDHOLE			
	HATCH HATCHING			

Illinois Department of Transportation

DESIGNED BY: *Michael B. ...* DATE: 11/11/2011

APPROVED BY: *...* DATE: 11/11/2011

PROJECT: *...*

SCALE: *...*

PROJECT NO.: *...*

DATE: *...*

PROJECT: *...*

SCALE: *...*

PROJECT NO.: *...*

DATE: *...*

DATE	REVISIONS	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 1 of 8)
1-1-11	Updated abbreviations and symbols.	
1-1-08	Updated abbreviations and symbols.	

STANDARD 000001-06

ADJUSTMENT ITEMS		EX	PR	ALIGNMENT ITEMS		EX	PR	CONTOUR ITEMS		EX	PR
Structure To Be Adjusted			ADJ	Baseline	_____	_____	_____	Approx. Index Line	-----	-----	-----
Structure To Be Cleaned			C	Centerline	-----	-----	-----	Approx. Intermediate Line	-----	-----	-----
Main Structure To Be Filled			FM	Centerline Break Circle	o	o	o	Index Contour	=====	=====	=====
Structure To Be Filled			F	Baseline Symbol	B	B	B	Intermediate Contour	=====	=====	=====
Structure To Be Filled Special			FSP	Centerline Symbol	C	C	C	DRAINAGE ITEMS			
Structure To Be Removed			R	PI Indicator	▲	▲	▲	Channel or Stream Line	-----	-----	-----
Structure To Be Reconstructed			REC	Point Indicator	o	o	o	Culvert Line	-----	-----	-----
Structure To Be Reconstructed Special			RSP	Horizontal Curve Data (Half Size)	CURVE P.I. STA- O+ O+ H+ T+ L+ E+ B+ T.R.+ S.E. RUN+ P.C. STA+ P.T. STA+	CURVE P.I. STA+ O+ O+ R+ T+ L+ E+ B+ T.R.+ S.E. RUN+ P.C. STA+ P.T. STA+	Grading & Shaping Ditches	-----	-----	-----	
Frame and Grate To Be Adjusted			A	BOUNDARIES ITEMS			EX	PR	Paved Ditch	-----	-----
Frame and Lid To Be Adjusted			A	Dashed Property Line	-----	-----	-----	PR	Aggregate Ditch	-----	-----
Domestic Service Box To Be Adjusted			A	Solid Property/Lot Line	-----	-----	-----		Pipe Underdrain	-----	-----
Valve Vault To Be Adjusted			A	Solid Property/Lot Line	-----	-----	-----		Storm Sewer	-----	-----
Special Adjustment			SP	Section/Grant Line	-----	-----	-----		Flowline	-----	-----
Item To Be Abandoned			AB	Quarter Section Line	-----	-----	-----		Ditch Check	-----	-----
Item To Be Moved			M	Quarter/Quarter Section Line	-----	-----	-----		Headwall	-----	-----
Item To Be Relocated			REL	County/Township Line	-----	-----	-----		Inlet	-----	-----
Pavement Removal and Replacement				State Line	-----	-----	-----		Manhole	-----	-----
				Iron Pipe Found	o	o	o		Summit	-----	-----
				Iron Pipe Set	o	o	o		Roadway Ditch Flow	-----	-----
				Survey Marker	o	o	o		Swale	-----	-----
				Property Line Symbol	P	P	P		Catch Basin	-----	-----
				Same Ownership Symbol (Half Size)	o	o	o		Culvert End Section	-----	-----
				Northwest Quarter Corner (Half Size)	o	o	o		Water Surface Indicator	-----	-----
				Section Corner (Half Size)	o	o	o		Riprap	-----	-----
				Southeast Quarter Corner (Half Size)	o	o	o			-----	-----

**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
(Sheet 2 of 8)
STANDARD 000001-06

Wisconsin Department of Transportation
 PASSED: January 1, 2011
 PROJECT: *Michael Bond*
 APPROVED: *January 1, 2011*
 DIVISION OF DESIGN AND ENVIRONMENT

<u>EROSION & SEDIMENT CONTROL ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>NON-HIGHWAY IMPROVEMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>EXISTING LANDSCAPING ITEMS (contd.)</u>		<u>EX</u>	<u>PR</u>
Cleaning & Grading Limits				Noise Affn./Levee				Seeding Class 5			
Dike				Field Line				Seeding Class 7			
Erosion Control Fence				Fence				Seedlings Type 1			
Perimeter Erosion Barrier				Base of Levee				Seedlings Type 2			
Temporary Fence				Mailbox				Seedlings Type 2			
Ditch Check Temporary				Multiple Mailboxes				Sodding			
Ditch Check Permanent				Pay Telephone				Mowstake w/Sign			
Inlet & Pipe Protection				Advertising Sign				Tree Trunk Protection			
Sediment Basin								Evergreen Tree			
Erosion Control Blanket				<u>LANDSCAPING ITEMS</u>		<u>EX</u>	<u>PR</u>	Shade Tree			
Fabric Formed Concrete Reinforcement Mat				Contour Mounding Line							
Turf Reinforcement Mat				Fence							
Mulch Temporary				Fence Post							
Mulch Method 1				Shrubs							
Mulch Method 2 Stabilized				Mowline							
Mulch Method 3 Hydraulic				Parental Plants							
				Seeding Class 2							
				Seeding Class 2A							
				Seeding Class 4							
				Seeding Class 4 & 5 Combined							
								<u>LIGHTING</u>		<u>EX</u>	<u>PR</u>
								Duct			
								Conduit			
								Electrical Aerial Cable			
								Electrical Buried Cable			
								Controller			
								Underpass Luminaire			
								Power Pole			

Illinois Department of Transportation
 PASSED: January 1, 2011
 PROJECT: Michael B. ...
 ENGINEER OF DESIGN AND CONSTRUCTION
 APPROVED: January 1, 2011
 ENGINEER OF DESIGN AND CONSTRUCTION

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

**LIGHTING
(contd.)**

	EX	PR
Pull Point		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (H/M/P Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keved Long. Joint		
Keved Long. Joint w/Tie Bars		
Saved Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Topar		
Stabilized Driveway		
Wearing		

PAVEMENT MARKINGS

	EX	PR
Bike Lane Symbol		
Bike Lane Text		
Handicap Symbol		
RR Crossing		
Recessed Marker Amber 1 Way		
Recessed Marker Amber 2 Way		
Recessed Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
CL Multilane Div. RRPM 40' (12.2 m) o.c.		
CL Multilane Div. RRPM 80' (24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
CL Multilane Indiv.		
Two Way Turn Left Line		

Illinois Department of Transportation
 PASSED: January 11, 2011
 PROJECTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION
 APPROVED: January 11, 2011
 DIVISION OF DESIGN AND CONSTRUCTION

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

PAVEMENT MARKINGS

(contd.)

	EX		PR
Urban Combination Left			
Urban Combination Right			
Urban Left Turn Arrow			
Urban Right Turn Arrow			
Urban Left Turn Only		ONLY ONLY 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		ONLY ONLY ONLY	
Rural Right Turn Only			
Rural Thru Only			

RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant, Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tie		
Blotinous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 5 of 8)

STANDARD 000001-06

State Department of Transportation
 PASSED: January 1, 2011
 PROJECT: *Market Road*
 APPROVED: January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

RIGHT OF WAY ITEMS
(contd.)

	EX	PR
Access Control Line	— AC —	— AC —
Access Control Line & ROW	— AC —	— AC —
Access Control Line & ROW with Fence	— AR —	— AC —
Excess ROW Line		— XS —

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier	— ○ —	— ● —
Concrete Barrier	— [] —	— [] —
Edg of Pavement	— - - - -	— - - - -
Bit Shoulders, Medians and C&G Line	— - - - -	— - - - -
Aggregate Shoulder	— - - - -	— - - - -
Sidewalks, Driveways	— - - - -	— - - - -
Guardrail	— ○ —	— ● —
Guardrail Post	u	
Traffic Sign	h	h
Corrugated Median	[]	[]
Impact Attenuator		[]
North Arrow with District Office (Half Size)	N	
Marker Line		STA. 45+00
Slope Limit Line	— - - - -	
Typical Cross-Section Line	— - - - -	— - - - -

ROADWAY PROFILES

	EX	PR
P.I. Indicator	*	*
Point Indicator	*	*
Earthworks Balance Point		⊙
Begin Point		⊙
Vert. Curve Data	VP1 = ELEV: = PI =	VP1 = ELEV: = PI =
Ditch Profile Left Side	— - - - -	— - - - -
Ditch Profile Right Side	— - - - -	— - - - -
Roadway Profile Line	— - - - -	— - - - -
Storm Sewer Profile Left Side	— - - - -	— - - - -
Storm Sewer Profile Right Side	— - - - -	— - - - -

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		o
Barricade Type II		[]
Barricade Type III		[]
Barricade with Edge Line		[]
Flashing Light Sign		○
Panel I		[]
Panel II		[]
Direction of Traffic		→
Sign Flag (Half Size)		◇

SIGNING ITEMS
(contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		◇
Reverse Right W1-4R (Half Size)		◇
Two Way Traffic Sign W6-3 (Half Size)		◇
Detour Ahead W20-2(0) (Half Size)		◇
Left Lane Closed Ahead W20-5L(0) (Half Size)		◇
Right Lane Closed Ahead W20-5R(0) (Half Size)		◇
Road Closed Ahead W20-3(0) (Half Size)		◇
Road Construction Ahead W20-1-(0) (Half Size)		◇
Single Lane Ahead (Half Size)		◇
Transition Left W4-2L (Half Size)		◇
Transition Right W4-2R (Half Size)		◇

Ohio Department of Transportation
 PASSY: Secretary I, 201
 PROJECT OF PUBLIC WORKS
 APPROVED: Secretary II, 201
 DIVISION OF DESIGN AND CONSTRUCTION

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 6 of 8)
 STANDARD 000001-06

SIGNING ITEMS
(contd.)

EX

PR

One Way Arrow Lrg. W1-6-10
(Half Size)



Two Way Arrow Large W1-7-10
(Half Size)



Defour M4-10L-10
(Half Size)



Defour M4-10R-10
(Half Size)



One Way Left R6-1L
(Half Size)



One Way Right R6-1R
(Half Size)



Left Turn Lane R3-1100L
(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 R10-6-AL
(Half Size)



Stop Here On Red R10-6-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)



Illinois Department of Transportation

ISSUED: January 31, 2011

DESIGNED BY: Michael B. ...

PROJECT: ...

APPROVED: ...

DATE: January 31, 2011

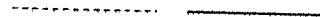
ENGINEER: ...

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

Galv. Steel Conduit



Underground Cable



Detector Loop Line



Detector Loop Large



Detector Loop Small



Detector Loop Quadrangle



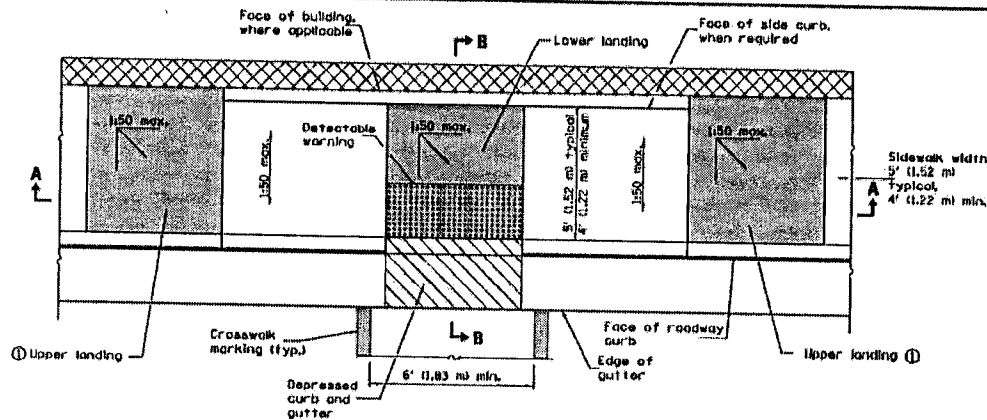
**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
(Sheet 7 of 8)

STANDARD 000001-08

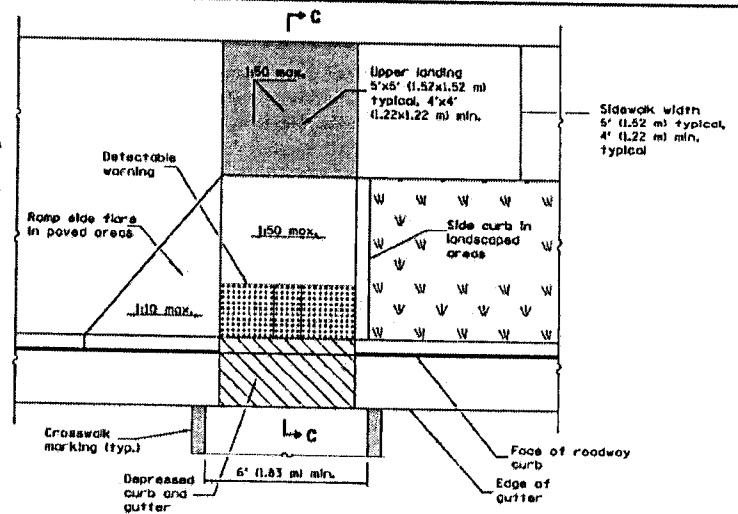
<u>TRAFFIC SIGNAL ITEMS (contd.)</u>			<u>UNDERGROUND UTILITY ITEMS</u>			<u>UTILITY ITEMS (contd.)</u>			
	<u>EX</u>	<u>PR</u>		<u>EX</u>	<u>PR</u>	<u>ABANDONED</u>		<u>EX</u>	<u>PR</u>
Detector Raceway			Cable TV				Traffic Signal		
Aluminum Mast Arm			Electric Cable				Traffic Signal Control Box		
Steel Mast Arm			Fiber Optic				Water Meter		
Van Detector Magnetic			Gas Pipe				Water Meter Valve Box		
Conduit Splice			Oil Pipe				Profile Line		
Controller			Sanitary Sewer				Aerial Power Line		
Guilfoix Junction			Telephone Cable				<u>VEGETATION ITEMS</u>		
Wood Pole			Water Pipe				<u>EX</u>	<u>PR</u>	
Temp. Signal Head			<u>UTILITIES ITEMS</u>			<u>EX</u>	<u>PR</u>		
Handhole			Controller				Deciduous Tree		
Double Handhole			Double Handhole				Bush or Shrub		
Heavy Duty Handhole			Fire Hydrant				Evergreen Tree		
Junction Box			CuyWire or Deadman Anchor				Stump		
Ped. Pushbutton Detector			Handhole				Orchard/Nursery Line		
Ped. Signal Head			Heavy Duty Handhole				Vegetation Line		
Power Pole Service			Junction Box				Woods & Bush Line		
Priority Van. Detector			Light Pole				<u>WATER FEATURE ITEMS</u>		
Signal Head			Manhole				<u>EX</u>	<u>PR</u>	
Signal Head w/Backplate			Pipeline Warning Sign				Stream or Drainage Ditch		
Signal Post			Power Pole				Waters Edge		
Closed Circuit TV			Power Pole with Light				Water Surface Indicator		
Video Detector System			Sanitary Sewer Cleanout				Water Point		
			Splice Box Above Ground				Disappearing Ditch		
			Telephone Splice Box Above Ground				Marsh		
			Telephone Pole				Marsh/Swamp Boundary		

Vehicle Department of Transportation
 PASSED BY Michael Bond January 31, 2011
 PROJECT # 011111
 APPROVED BY [Signature] January 31, 2011
 ENGINEER OF DESIGN AND CONSTRUCTION

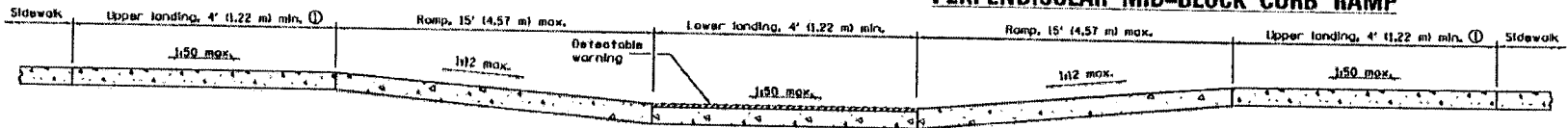
STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 8 of 8)
STANDARD 000001-06



PARALLEL MID-BLOCK CURB RAMP

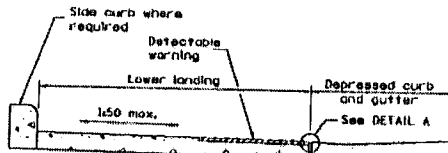


PERPENDICULAR MID-BLOCK CURB RAMP

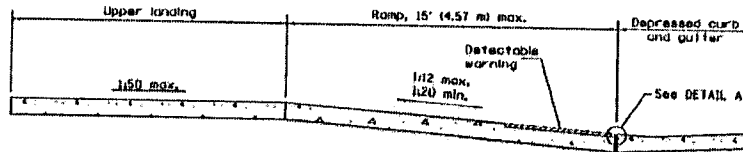


SECTION A-A

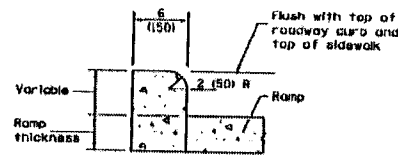
① Upper landing not required for ramp slopes flatter than 1:20.



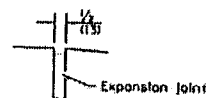
SECTION B-B



SECTION C-C



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.

See Standard 506001 for details of depressed curb adjacent to curb ramp.

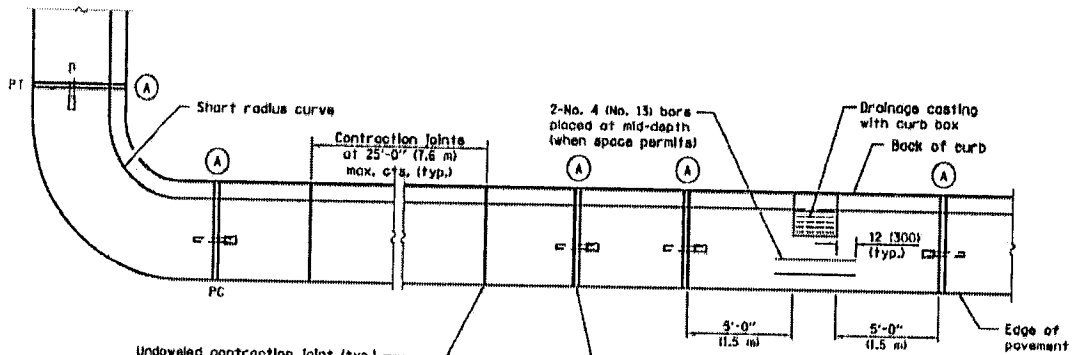
All dimensions are in inches (millimeters) unless otherwise shown.

MID-BLOCK CURB RAMPs FOR SIDEWALKS

STANDARD 424016-01

California Department of Transportation	
PASSER: <i>Michael J. ...</i> 2013 ENGINEER OF POLICY AND PROCEDURE APPROVED: <i>...</i> 2013 ENGINEER OF DESIGN AND ENVIRONMENT	DIVISION: <i>...</i>

DATE	REVISIONS
1-1-13	Widened crosswalk markings to 6' (1.83 m) min. inside dimension. Rev. Gen. Notes.
1-1-12	New standard.

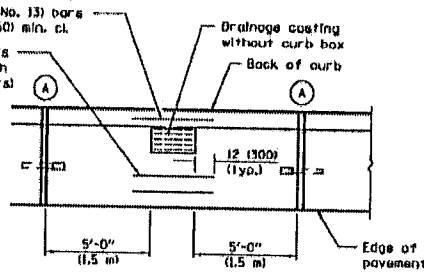


Undeveloped contraction joint (typ.) construction options:

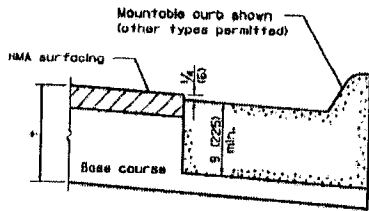
1. Form with $\frac{1}{8}$ (3) thick steel template 2 (50) deep, and seal.
2. Saw 2 (50) deep at 4 to 24 hours, and seal.
3. Insert $\frac{1}{4}$ (20) thick preformed joint filler full depth and width.

Construction Joint

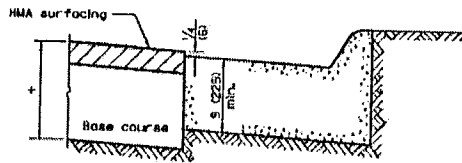
- 2-No. 4 (No. 13) bars with 2 (50) min. cl.
2-No. 4 (No. 13) bars placed at mid-depth (when space permits)



PLAN

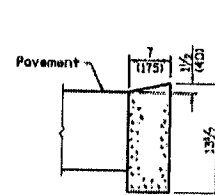


ON DISTURBED SUBGRADE

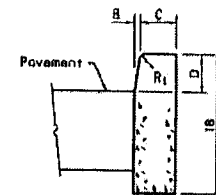


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

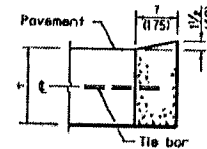


DEPRESSED CURB

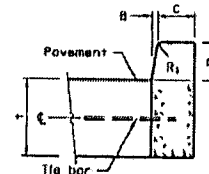


BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

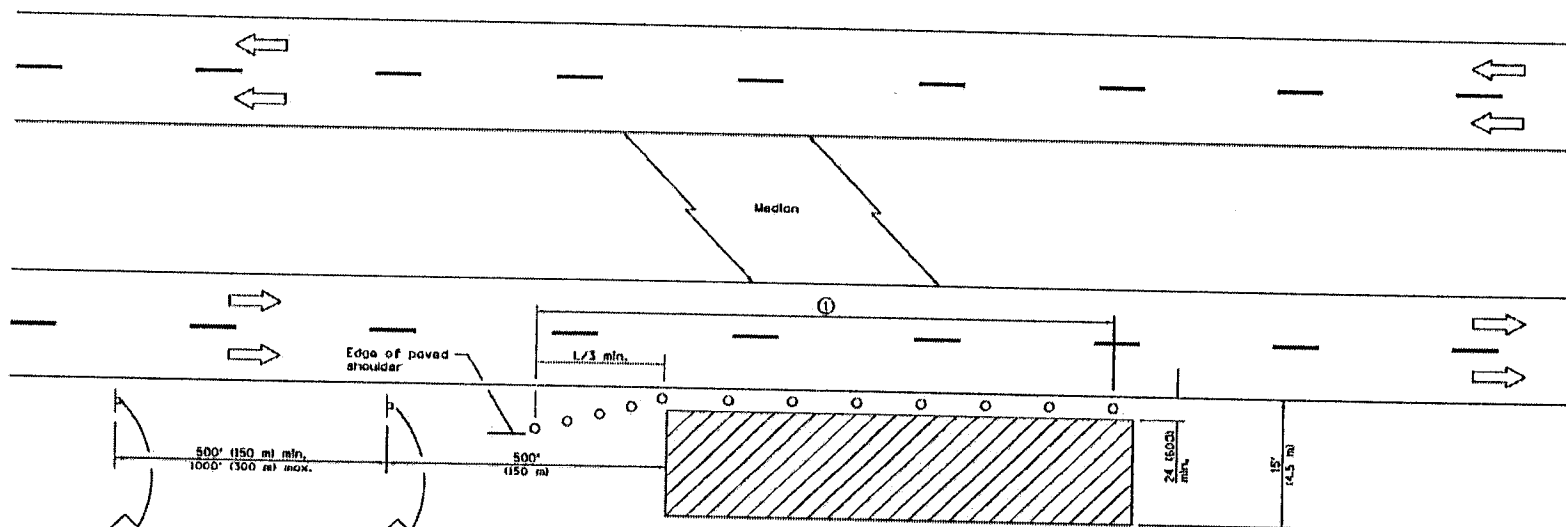
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

**CONCRETE CURB TYPE B
AND COMBINATION
CONCRETE CURB AND GUTTER**
(Sheet 2 of 2)

STANDARD 606001-05

Michigan Department of Transportation	
PASSED BY: <i>Jeffrey L. 2013</i> ENGINEER OF POLICY AND PROCEDURES	APPROVED BY: <i>Jeffrey L. 2013</i> ENGINEER OF DESIGN AND ENVIRONMENT



For contract construction projects



W20-1103(101)-48



W21-1(101)-48

For maintenance and utility projects



W20-1(101)-48

TYPICAL APPLICATIONS

Utility operations
 Culvert extensions
 Side slope changes
 Guardrail installation and maintenance
 delineator installation
 Landscaping operations
 Shoulder repair
 Sign installation and maintenance

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.

SYMBOLS

Work area

Sign

Cone, drum or barricade

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) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT

FORMULAS

English Metric

40 mph (70 km/h) or less

$$L = \frac{WS^2}{60} \quad L = \frac{WS^2}{150}$$

45 mph (80 km/h) or greater

$$L = (WS) \quad L = 0.65(WS)$$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

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

**OFF-ROAD OPERATIONS, MULTILANE,
 15' (4.5 m) TO 24' (600 mm)
 FROM PAVEMENT EDGE**

STANDARD 701101-04

State Department of Transportation

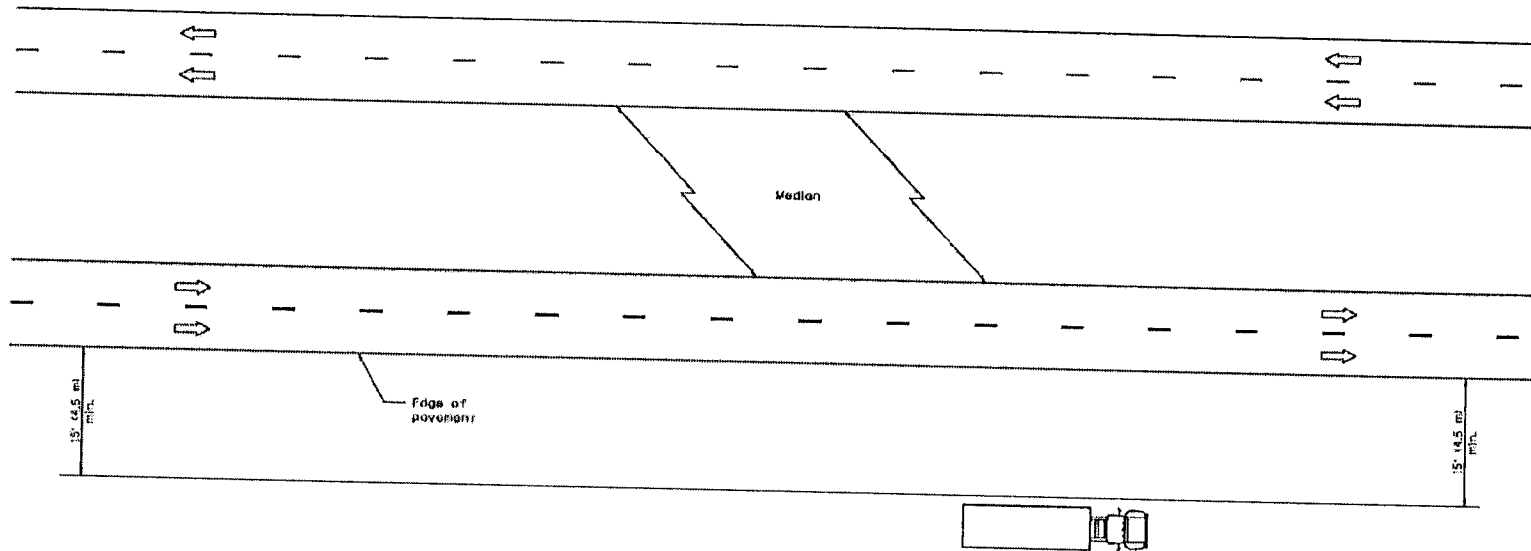
APPROVED: *[Signature]* 2014

ENGINEER OF SAFETY ENGINEERING

APPROVED: *[Signature]* 2014

ENGINEER OF DESIGN AND ENVIRONMENT

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



TYPICAL APPLICATIONS

Landscaping work
Utility work
Fencing contracts

GENERAL NOTES

This Standard is used where or 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 70110.

This Standard also applies to work performed in the median more than 15' (4.5 m) from either pavement.

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

**OFF-ROAD OPERATIONS, MULTILANE,
MORE THAN 15' (4.5 m) AWAY**

STANDARD 701106-02

Illinois Department of Transportation

APPROVED BY: [Signature] JUNE 1, 2008

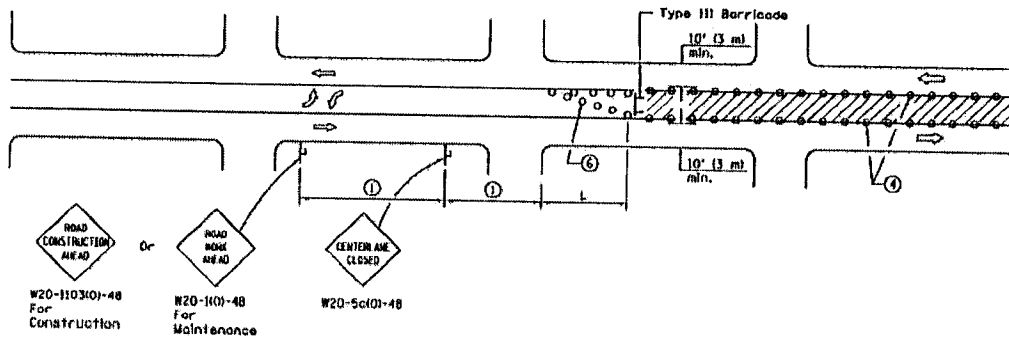
ENGINEER OF OPERATIONS

APPROVED BY: [Signature] JUNE 1, 2008

ENGINEER OF DESIGN AND ENVIRONMENT

DATE: [Blank]

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



CASE I
 (Signs required for both directions)

Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
245	200' (60 m)

SYMBOLS

- Work area
- Barricade or drum with flashing light
- Flagger with traffic control sign
- Cone, drum or barricade (Cone for daytime use only)
- Sign on portable or permanent support

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph (70 km/h).
- ③ Required if work extends 500' (154 m) or 1 block.
- ④ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 15 m (50') centers. When drums or type I or II barricades are used, the interval between devices may be doubled.
- ⑤ For approved shoulder closures.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Use flagger sign only when flagger is present.

GENERAL NOTES

This Standard is used to close one lane of an urban, two lane, two way roadway with a bidirectional turn lane.

Case I applies when no workers are present. When workers are present, two lanes shall be closed and traffic control shall be according to Standard 701501.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	Metric
40 mph (70 km/h) or less	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater	$L = (WKS)$	$L = 0.65(WKS)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

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

Illinois Department of Transportation

APPROVED: [Signature] JANUARY 1, 2014

ENGINEER OF SAFETY ENGINEERING

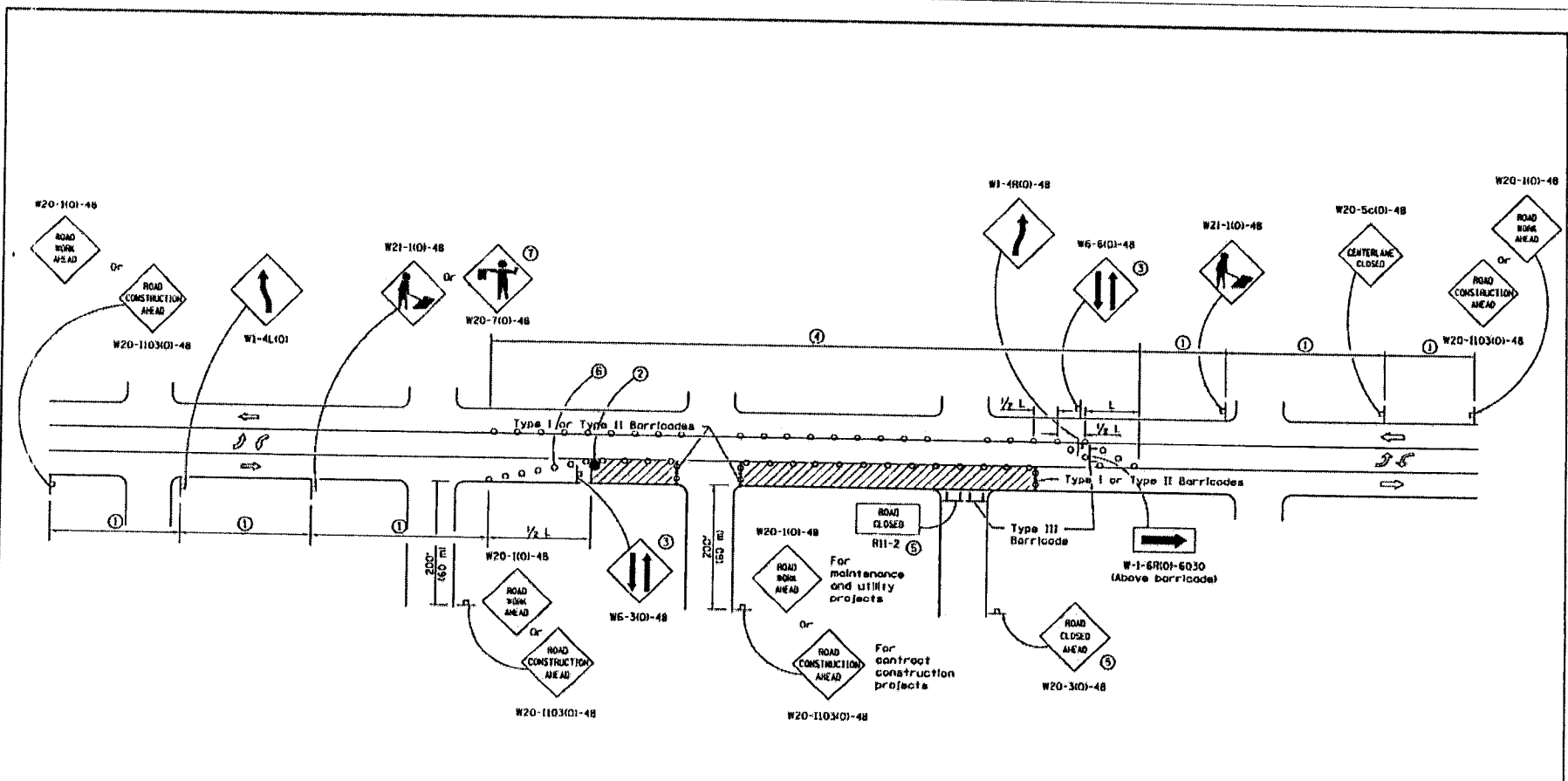
APPROVED: [Signature] JANUARY 1, 2014

ILLINOIS DEPARTMENT OF REVENUE AND ENVIRONMENT

DATE	REVISIONS
1-1-14	Omitted original note ④.
	Rev. workers sign no. 10 agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

**URBAN LANE CLOSURE,
 2L, 2W, WITH BIDIRECTIONAL
 LEFT TURN LANE**
 (Sheet 1 of 2)

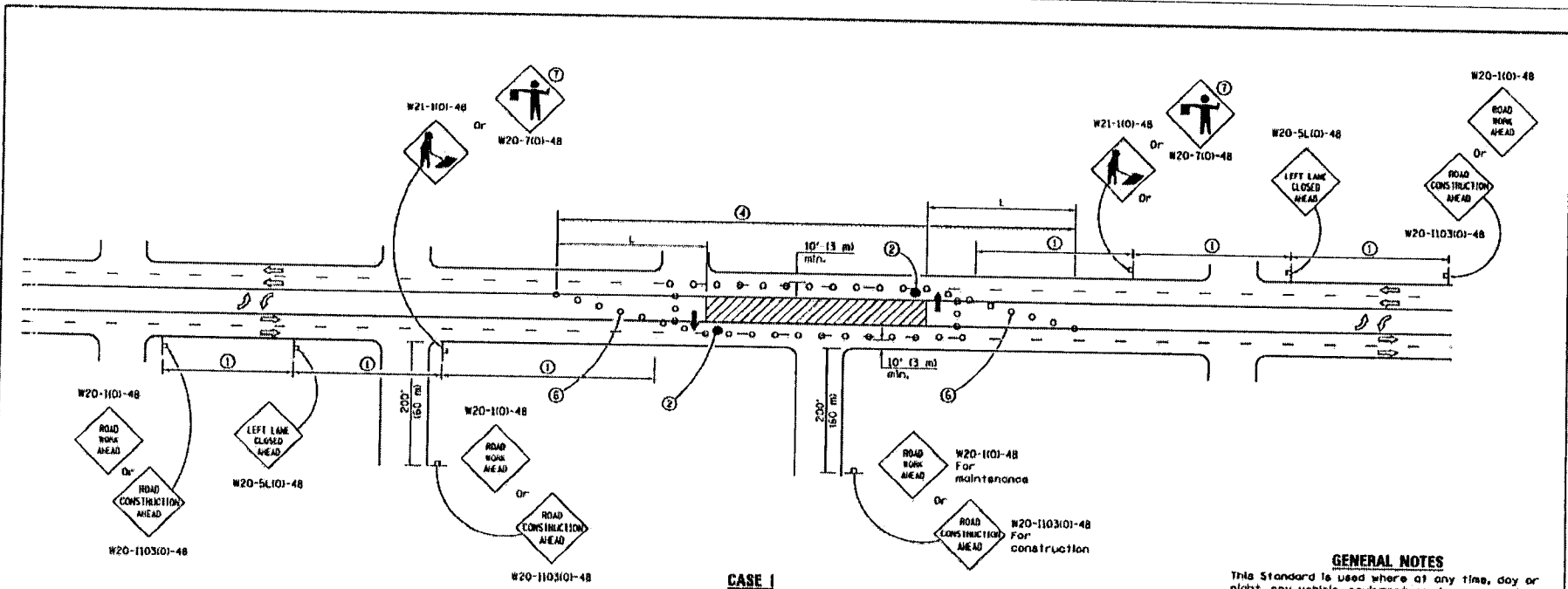
STANDARD 701502-06



CASE II

Michigan Department of Transportation
 APPROVED: January 5, 2014
 ENGINEER OF SAFETY ENGINEERING
 APPROVED: January 5, 2014
 DIVISION OF DESIGN AND ENVIRONMENT

**URBAN LANE CLOSURE,
 2L, 2W, WITH BIDIRECTIONAL
 LEFT TURN LANE**
 (Sheet 2 of 2)
STANDARD 701502-08



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

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊕ Barricade or drum with steady burning unidirectional light
- Flogger with traffic control sign
- Cone, drum or barricade (Cones for daytime use only)
- ⊥ Sign on portable or permanent support
- ⊥ Type III Barricade

CASE I

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph (70 km/h).
- ③ Required if work exceeds 500' (164 m) or 1 block, repeat every 1 mile (1.6 km).
- ④ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers, when drums or type I or II barricades are used, the interval between devices may be doubled.
- ⑤ For approved alternate closures.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Use flogger sign only when flogger is present.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

If the work operation is performed between 5:00 a.m. and 5:00 p.m. and does not exceed 15 min. Traffic protection shall be as shown for Standard 701426.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	Metric
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (WS)$	$L = 0.65(WS)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

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

Illinois Department of Transportation

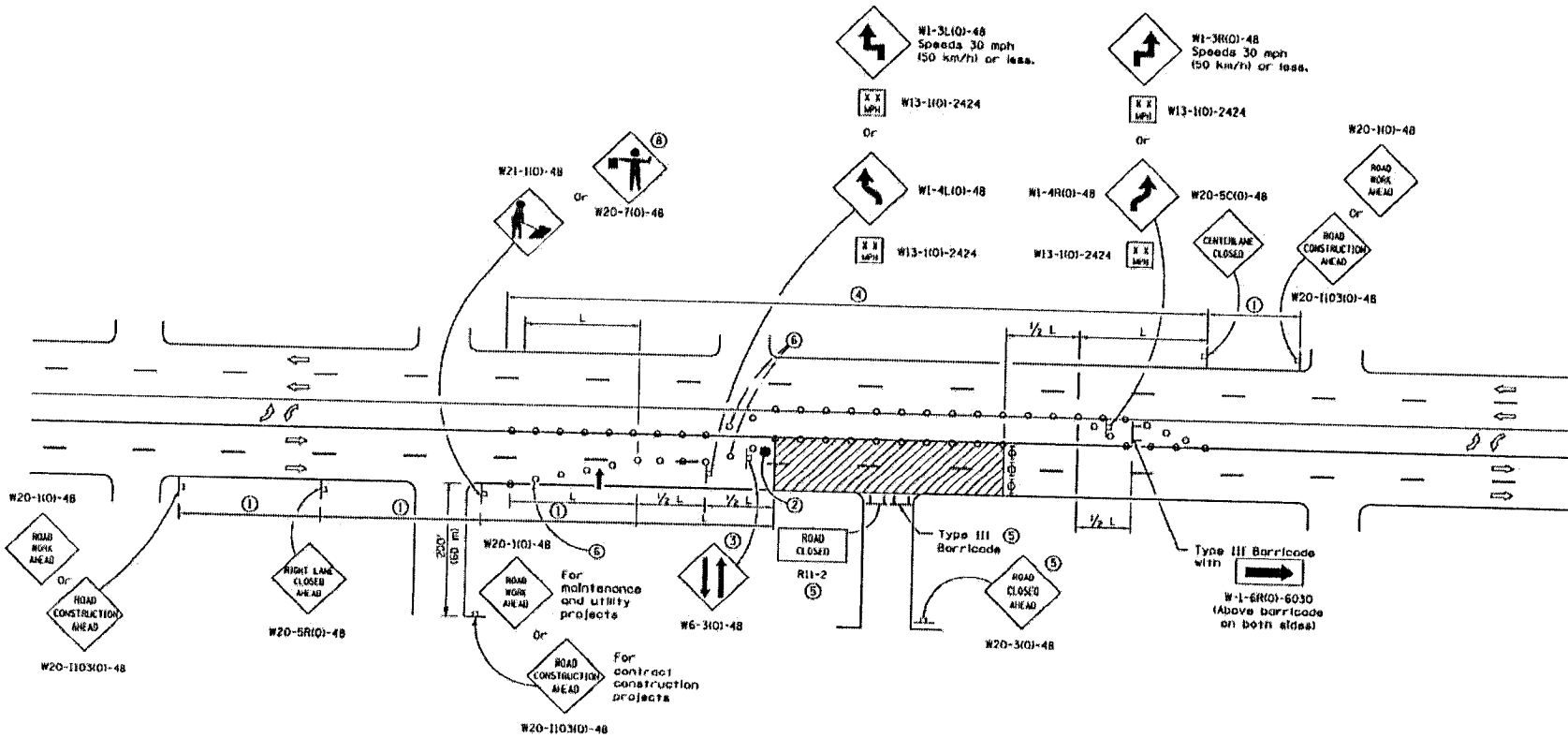
APPROVED: [Signature] 2014
 ENGINEER OF SAFETY ENGINEERING

APPROVED: [Signature] 2014
 PROJECT MANAGER

DATE	REVISIONS
1-1-14	Omitted original note (C).
	Rev. workers sign no. to agree with current MUTCD.
1-1-13	Omitted text 'W/SHIKHS' sign.

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
 (Sheet 1 of 4)

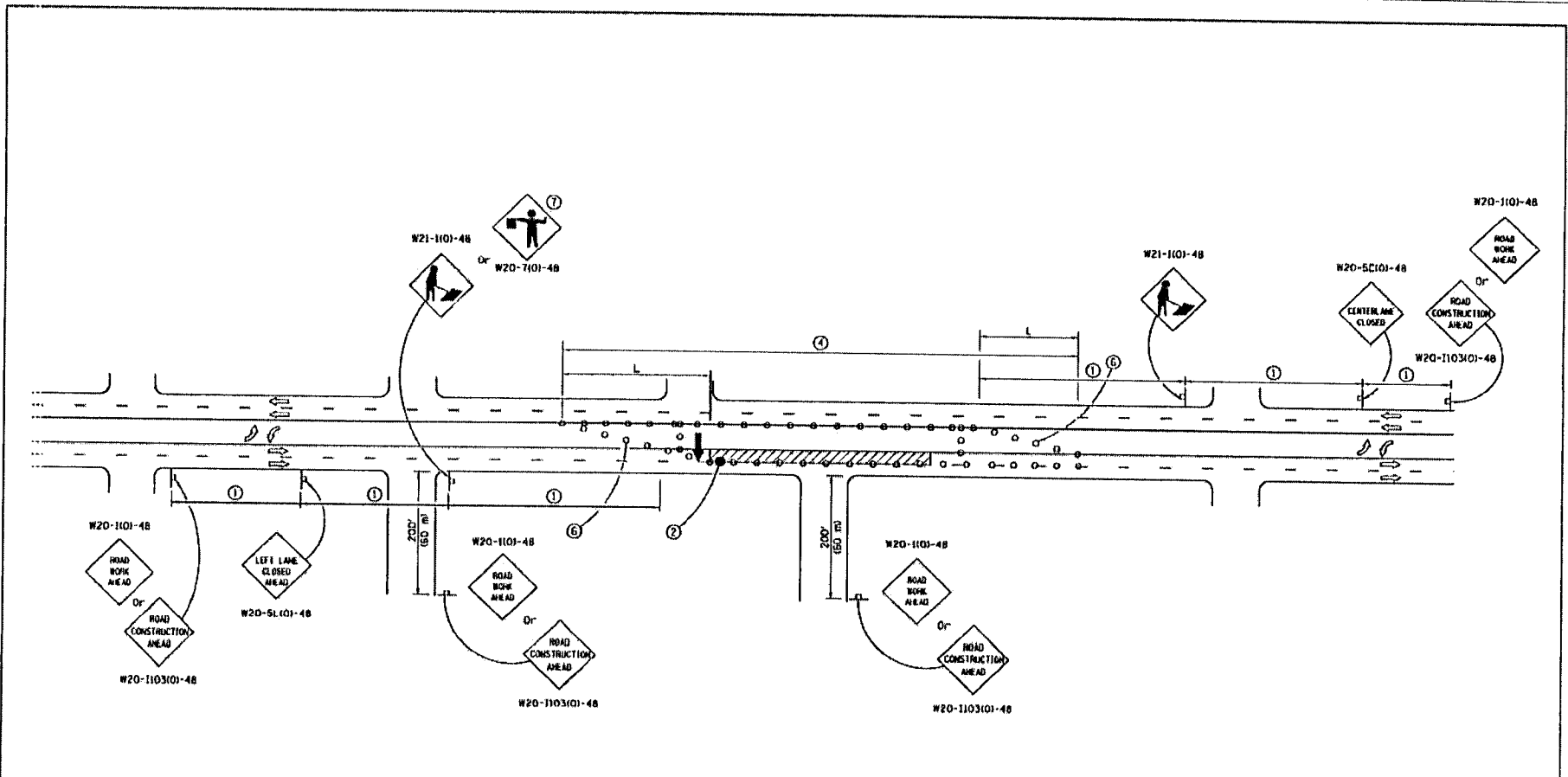
STANDARD 701502-07



CASE II

Illinois Department of Transportation
 APPROVED: [Signature] 2014
 ENGINEER OF SAFETY ENGINEERING
 APPROVED: [Signature] 2014
 DIVISION OF RESEARCH AND DEVELOPMENT

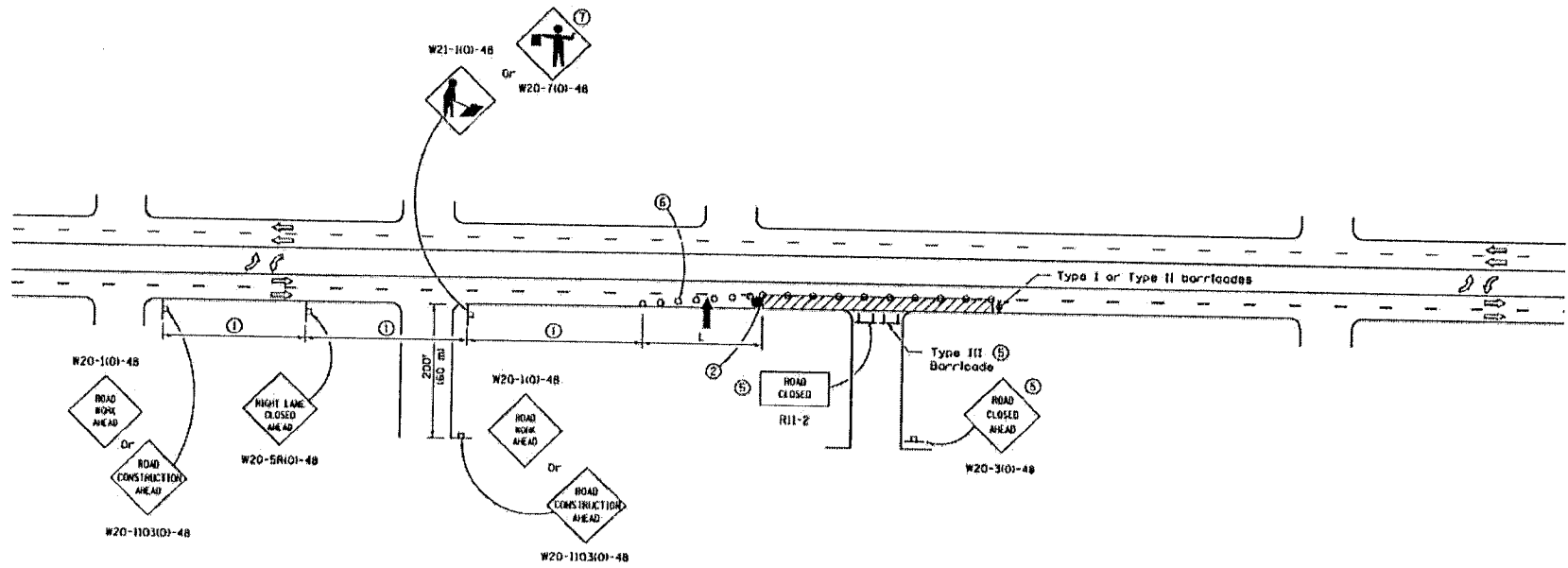
**URBAN LANE CLOSURE,
 MULTILANE, 2W WITH
 BIDIRECTIONAL LEFT TURN LANE**
 (Sheet 2 of 4)
STANDARD 701602-07



CASE III

Florida Department of Transportation APPROVED January 1, 2014 ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 2014 PROJECT NO. 701602-07		DATE 01/01/14
---	--	------------------

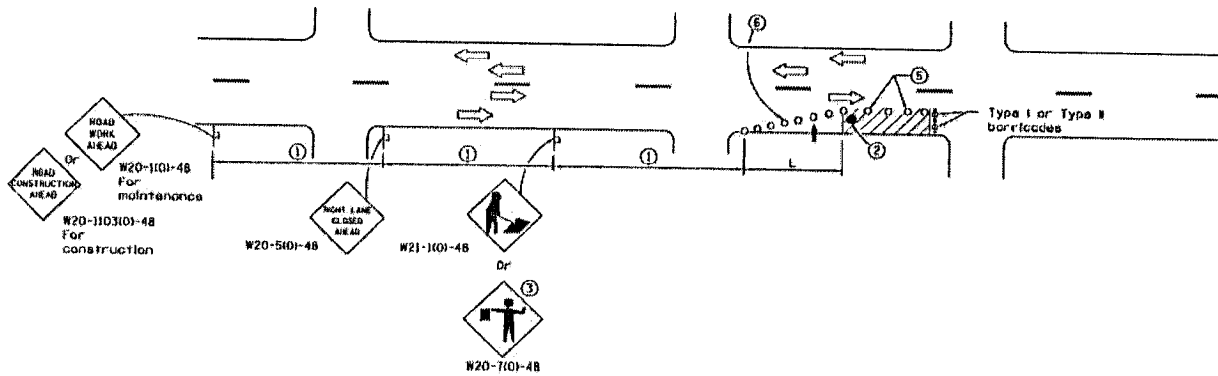
**URBAN LANE CLOSURE,
 MULTILANE, 2W WITH
 BIDIRECTIONAL LEFT TURN LANE**
(Sheet 3 of 4)
STANDARD 701602-07



CASE IV

Illinois Department of Transportation	
APPROVED: <i>[Signature]</i> ENGINEER OF SAFETY ENGINEERING APPROVED: <i>[Signature]</i> PROJECT ENGINEER	DATE: 2014 ID: 11-11-11

**URBAN LANE CLOSURE,
MULTILANE, 2W WITH
BIDIRECTIONAL LEFT TURN LANE**
(Sheet 4 of 4)
 STANDARD 701602-07



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

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Type III barricade with flashing lights
- Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph.
- ③ Use flagger sign only when flagger is present.
- ④ For approved alternate closures.
- ⑤ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Repeat every 1 mile (1.6 km).

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one or more traffic lanes in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

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

Michigan Department of Transportation

APPROVED: *[Signature]* SECRETARY 1, 2014

ENGINEER OF SAFETY ENGINEERING

APPROVED: *[Signature]* SECRETARY 1, 2014

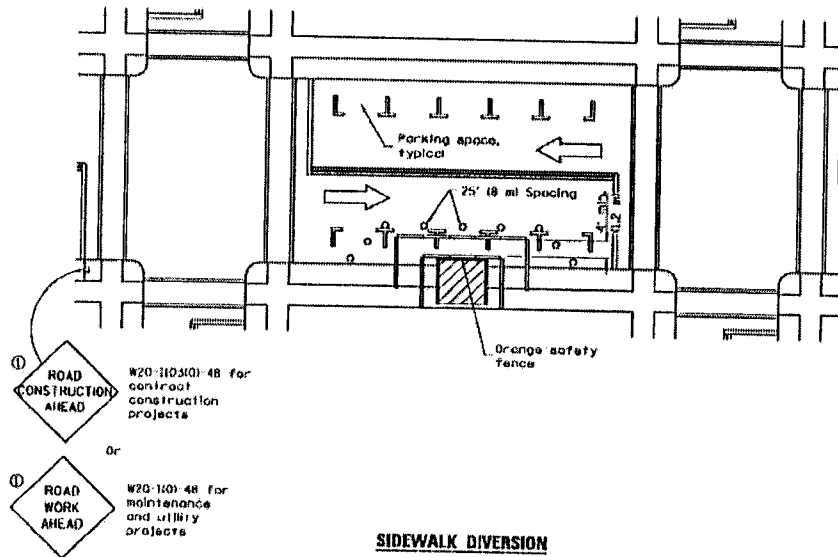
PROJECT NO. 09-0000-0000000000

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTC.
1-1-12	Corrected dimension in note (6). Omitted W21-1110 sign. Added W-1-6R sign.

URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

(Sheet 1 of 2)

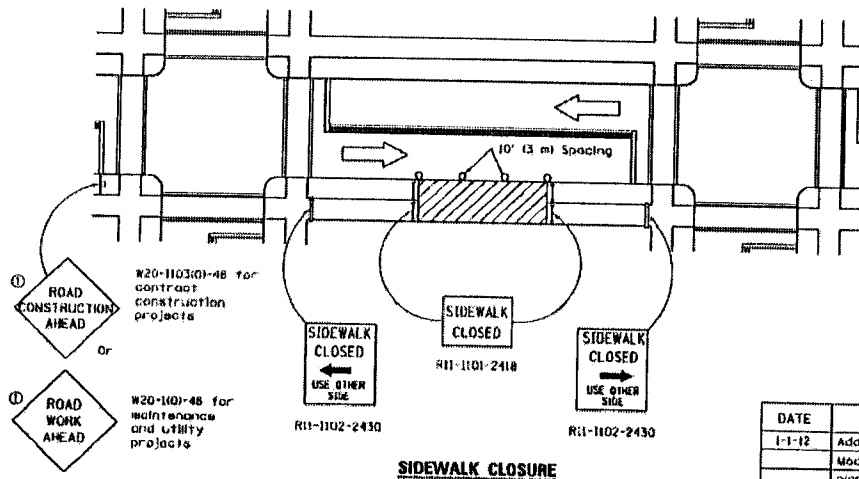
STANDARD 701606-09



① Omit whenever duplicated by road work traffic control.

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type II barricade
- Detectable pedestrian channelizing barricade



SIDEWALK CLOSURE

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the sign shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type II barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

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

Illinois Department of Transportation

APPROVED: *[Signature]* 2012

FACTORY OF SAFETY ENGINEERING

APPROVED: *[Signature]* 2012

FIGURE 2 (2) DESIGN AND DIMENSIONS

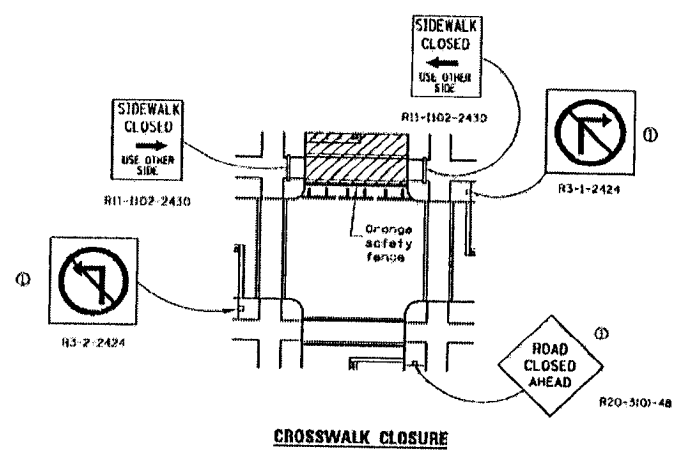
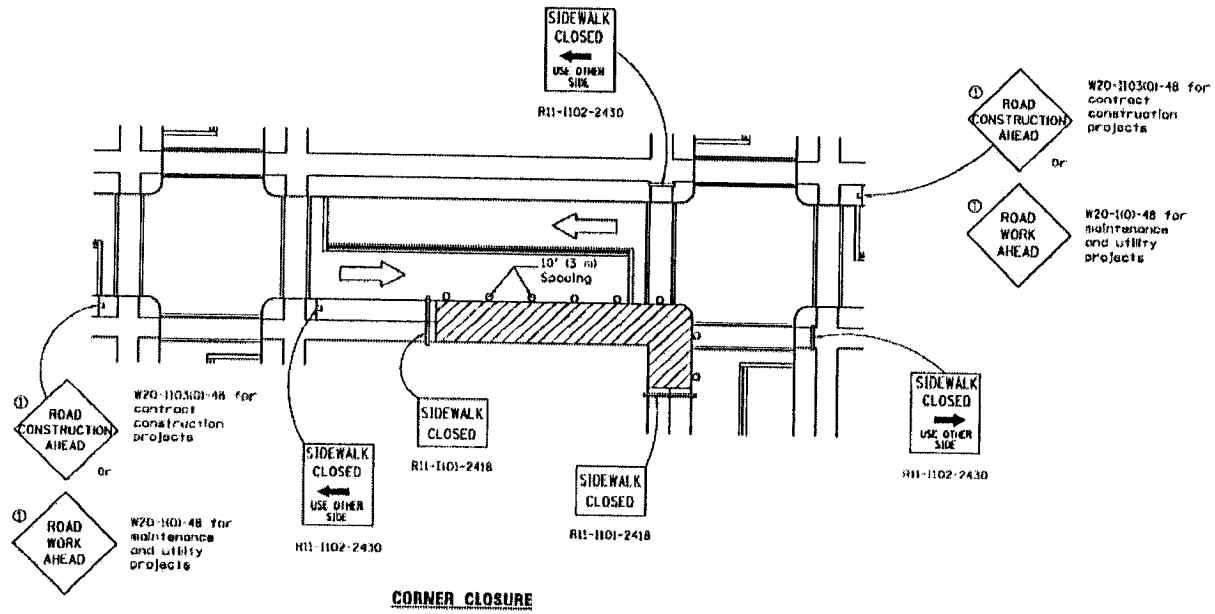
161-1-0103(0)

DATE	REVISIONS
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Renamed Std.
1-1-09	Switched units to English (metric).
	702801 to 701901.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-05

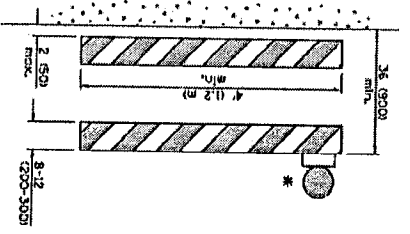


SIDEWALK, CORNER OR CROSSWALK CLOSURE
(Sheet 2 of 2)
STANDARD 701801-05

California Department of Transportation	
APPROVED BY: <i>[Signature]</i> ENGINEER OF SAFETY ENGINEERING APPROVED DATE: January 1, 2012	18-1-1-0000
DIVISION OF HIGHWAY AND TRANSPORTATION	

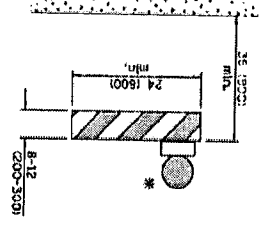
PROJECT: Department of Transportation
 APPROVED: [Signature]
 PROJECT OPERATIONS: [Signature]
 DATE: January 1, 2014
 1-1-14 DREVISE

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

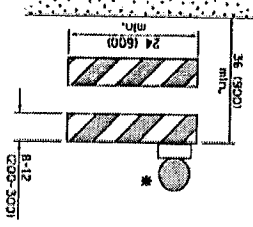


* Warning lights if required

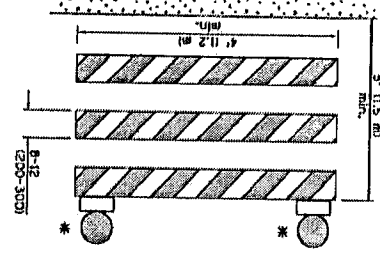
TYPE I BARRICADE



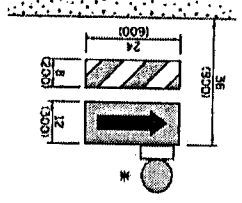
TYPE II BARRICADE



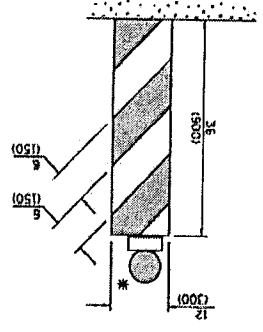
TYPE III BARRICADE



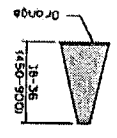
DIRECTION INDICATOR BARRICADE



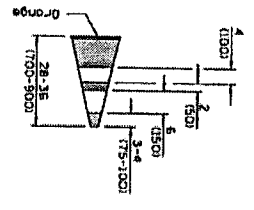
VERTICAL BARRICADE



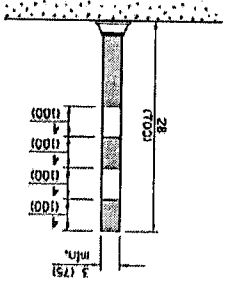
CONE



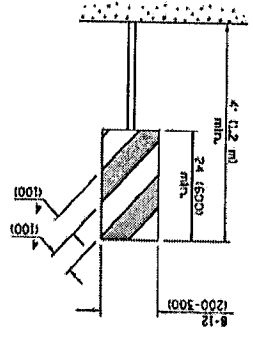
REFLECTORIZED CONE



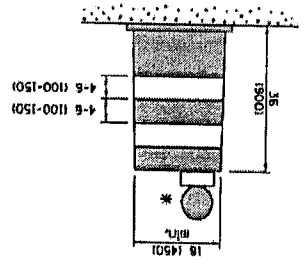
FLEXIBLE DELINEATOR



VERTICAL PANEL POST MOUNTED



DRUM



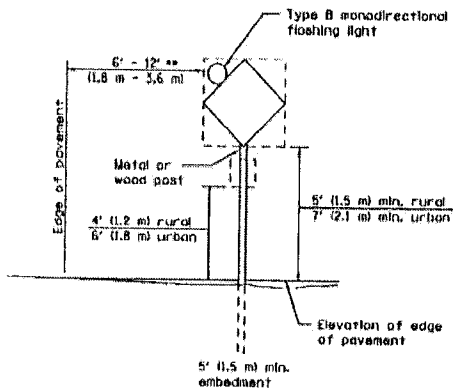
TRAFFIC CONTROL DEVICES

DATE	REVISIONS
1-1-14	Modified flagger sign height.
1-1-12	Added highway construction speed zone signs.
1-1-12	Added detectable pedestrian channelizing barricade.

GENERAL NOTES
 All heights shown shall be measured above the pavement surface.
 All dimensions are in inches (millimeter) unless otherwise shown.

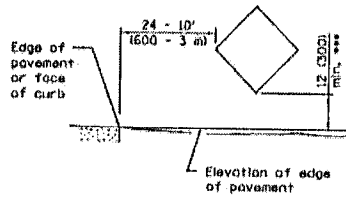
STANDARD 701901-03

(Sheet 1 of 3)



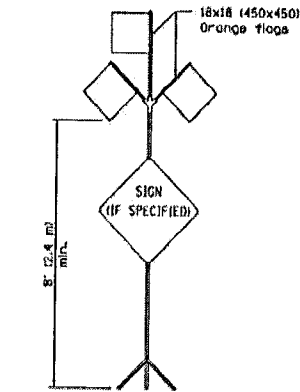
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

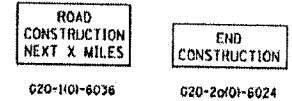


SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.

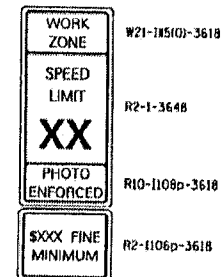


HIGH LEVEL WARNING DEVICE

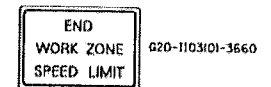


This signing is required for all projects 2 miles (3200 m) or more in length.
 ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.
 END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).
 Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

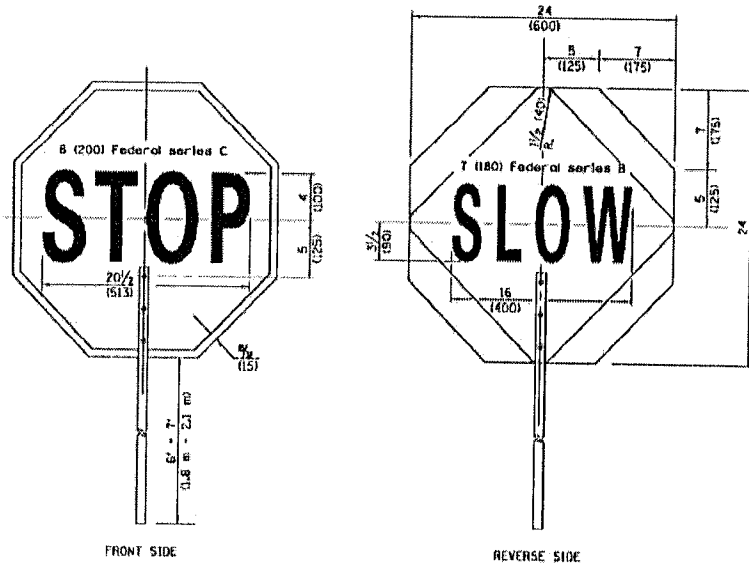


Sign assembly as shown on Standard or as allowed by District Operations.



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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-03

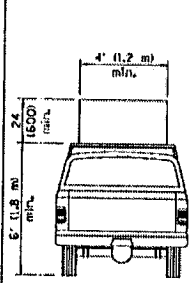
Michigan Department of Transportation

APPROVED: [Signature] 2014

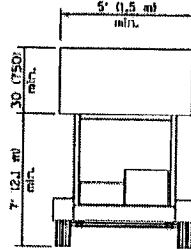
ENGINEER IN CHARGE OF OPERATIONS

APPROVED: [Signature] 2014

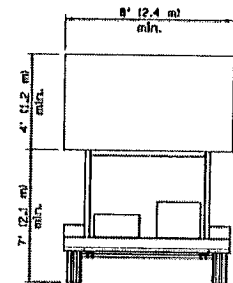
ENGINEER IN CHARGE OF DESIGN AND ENVIRONMENT



**TYPE A
ROOF
MOUNTED**

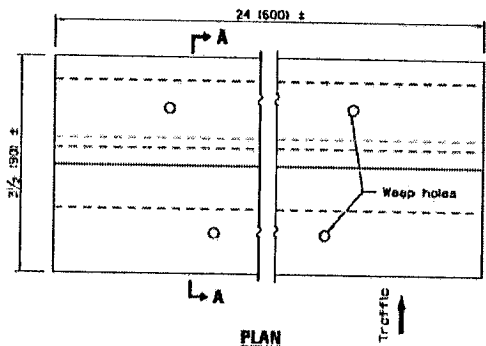


**TYPE B
ROOF OR TRAILER
MOUNTED**

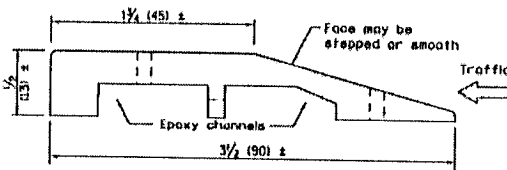


**TYPE C
TRAILER
MOUNTED**

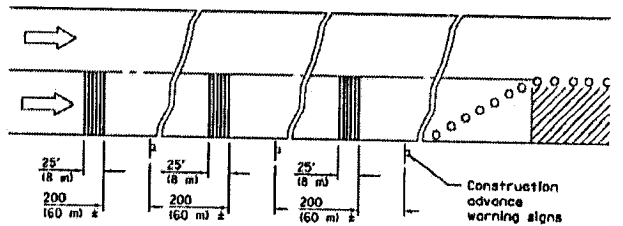
ARROW BOARDS



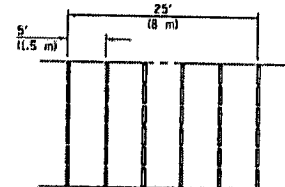
PLAN



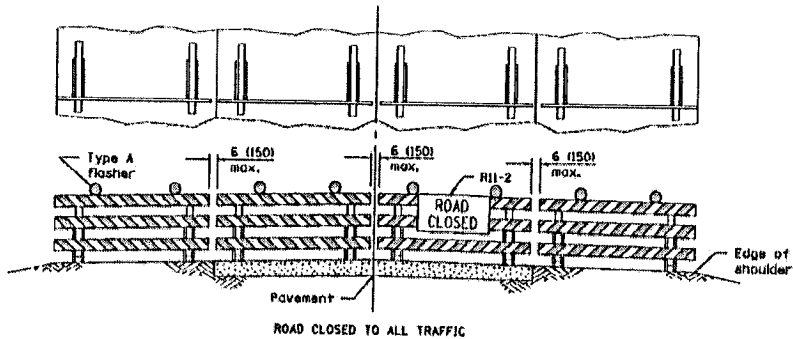
SECTION A-A



TYPICAL INSTALLATION



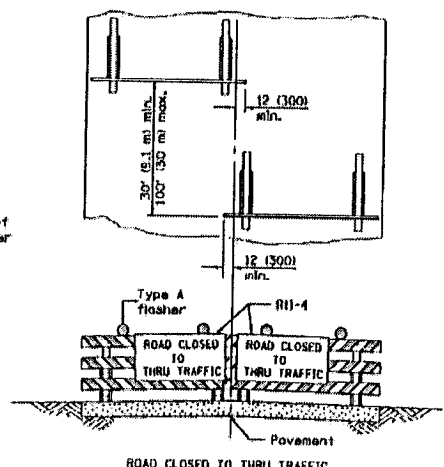
TEMPORARY RUMBLE STRIPS



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 sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

**TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD**



ROAD CLOSED TO THRU TRAFFIC

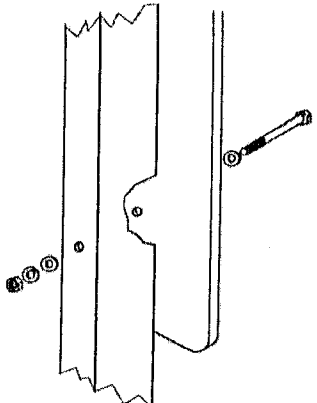
ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

**TRAFFIC CONTROL
DEVICES**

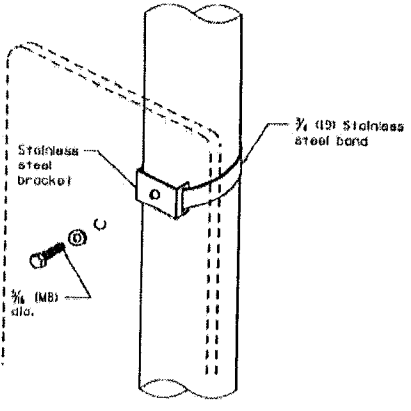
(Sheet 3 of 3)

STANDARD 701901-03

Illinois Department of Transportation
 APPROVED: [Signature] January 3, 2014
 ENGINEER OF OPERATIONS
 APPROVED: [Signature] January 3, 2014
 CHIEF OF DIVISION AND ENVIRONMENT

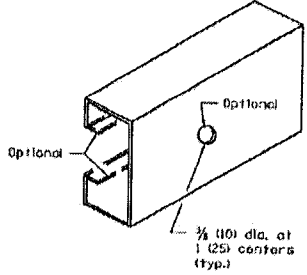
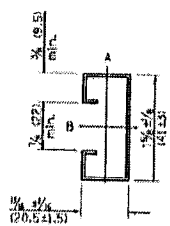


Sign panel 36 (900) wide or less

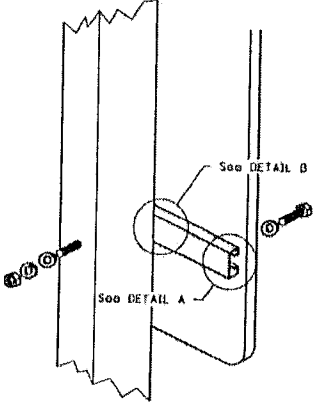


Sign panel 36 (900) wide or less

Section Modulus (minimum)	Axis A	Axis B
Steel	0.050 in. ³ (819 mm ³)	0.105 in. ³ (1720 mm ³)
Aluminum	0.150 in. ³ (2458 mm ³)	0.315 in. ³ (5162 mm ³)

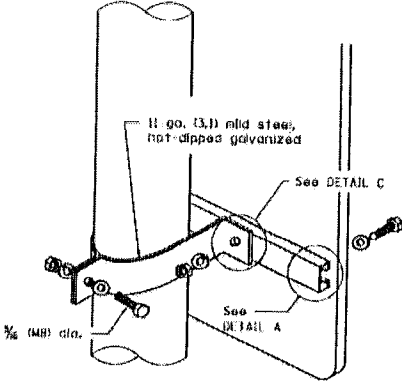


SUPPORTING CHANNEL DETAILS



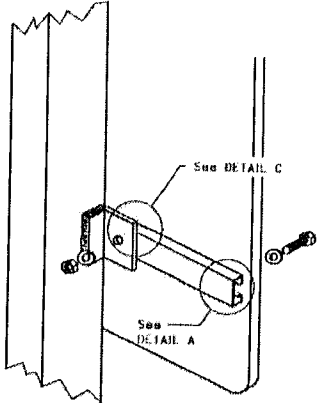
Sign panel over 36 (900) wide

WOOD OR TELESCOPING STEEL POSTS

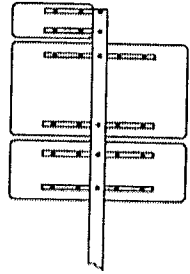


Sign panel over 36 (900) wide

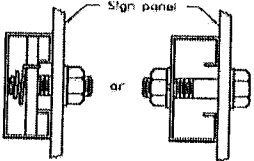
LIGHT OR SIGNAL STANDARDS



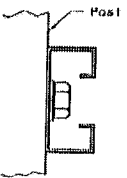
BREAKAWAY STEEL TUBING POSTS
(All sign panel sizes)



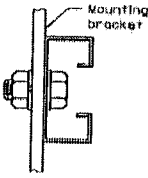
ROUTE MARKER ASSEMBLY



DETAIL A



DETAIL B



DETAIL C

Federal Department of Transportation
 APPROVED BY: [Signature] SECRETARY, J. 2008
 DIRECTOR OF OPERATIONS
 APPROVED BY: [Signature] SECRETARY, J. 2008
 ENGINEER OF DESIGN AND TECHNOLOGY

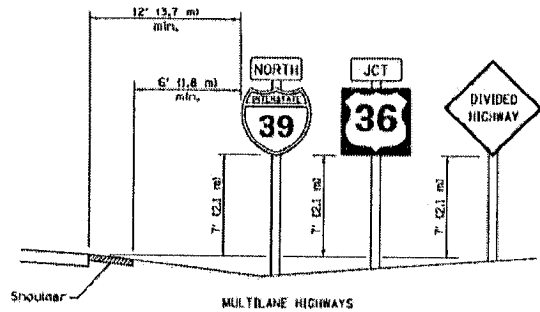
48-C-00850

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Revised Standard 2319-6.

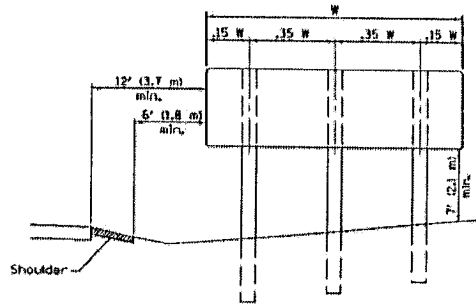
All dimensions are in inches (millimeters) unless otherwise shown.

SIGN PANEL MOUNTING DETAILS

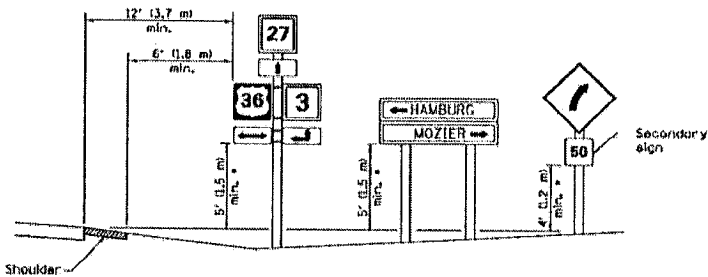
STANDARD 720001-01



MULTILANE HIGHWAYS

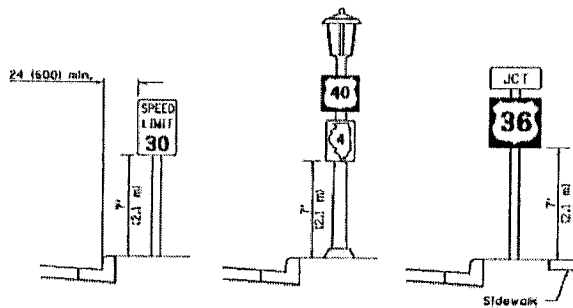


POST SPACING FOR NON-FREEWAY SIGN PANELS



* In any area where parking is likely to occur or where there are obstructions to view or where signs are located over sidewalks, the height shall be at least 7' (2.1 m).

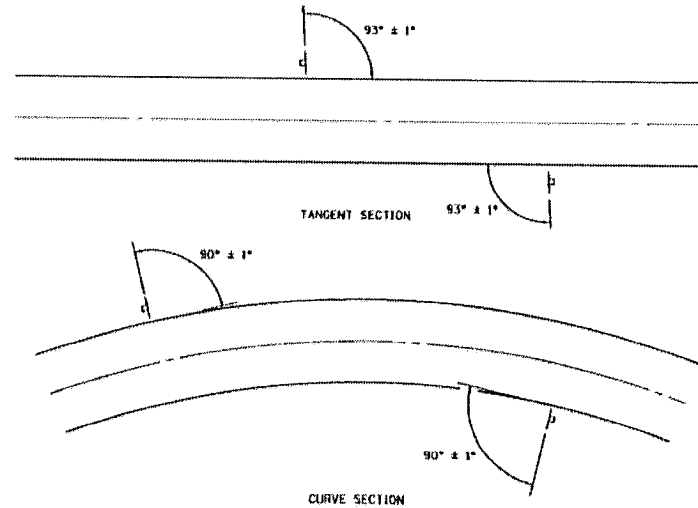
TWO LANE RURAL HIGHWAYS



URBAN LOCATIONS

TYPICAL INSTALLATIONS

Signs in any area shall be erected to a uniform height above the edge of the pavement.



GROUND MOUNT SIGN POSITIONING

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

State Department of Transportation

APPROVED: _____ DATE: _____ 2014

ENGINEER OF SPECIALTY

APPROVED: _____ DATE: _____ 2014

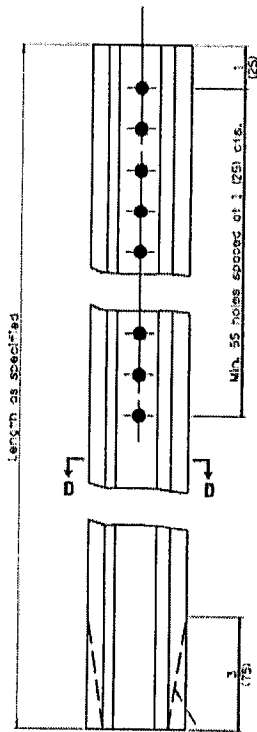
ENGINEER OF DESIGN AND ENVIRONMENT

11-1-13 2013

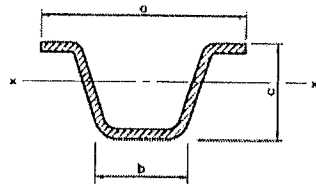
DATE	REVISIONS
1-1-14	Added shoulders and slopes, Changed sign distances from roadway and shoulder.
1-1-12	Rev. sign elev. for multilane hwy's. Revised sign elev. and dist. to curb for rural loc.

SIGN PANEL ERECTION DETAILS

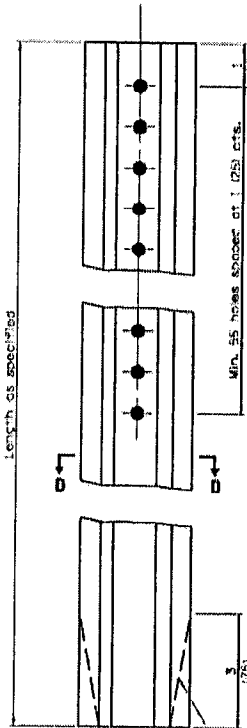
STANDARD 720006-04



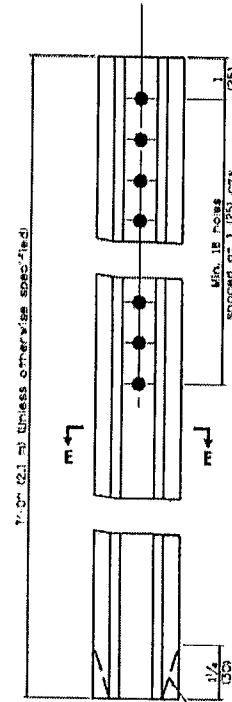
TYPE A



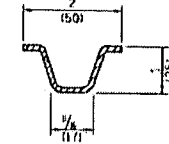
SECTION D-D



TYPE B



TYPE C



SECTION E-E

Steel - 1.12 lbs./ft. (1.67 kg/m)

	a	b	c	Sx-x in. ² (mm ²)	lb./ft. (kg/m)	
TYPE A	Steel	3/8 (10)	1/4 (25)	1 1/8 (30)	0.225 (3.30)	2.00 (2.98)
	Aluminum	3/8 (10)	1/4 (25)	1 1/8 (30)	0.455 (7.28)	0.90 (1.31)
TYPE B	Steel	1/2 (13)	1/2 (25)	1 1/2 (38)	0.341 (5.68)	3.00 (4.46)
	Aluminum	1/2 (13)	1/2 (25)	1 1/2 (38)	0.888 (14.82)	1.30 (1.83)

GENERAL NOTES

Dimensions shown for cross sections are minimum.

All holes are 3/8 (10).

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 less than half their length, Sx-x shall be computed for the net section.

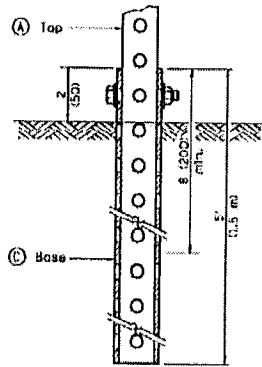
All dimensions are in inches (millimeters) unless otherwise shown.

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

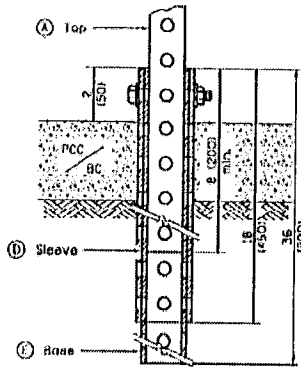
STANDARD 720011-01

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Retain Standard 7200-4.

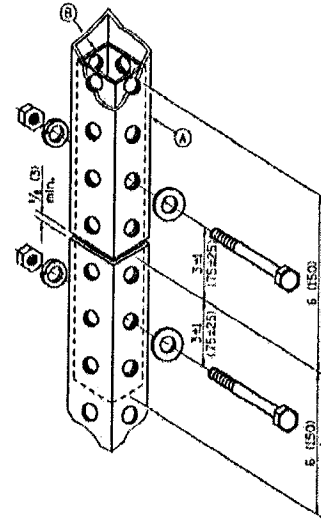
State Department of Transportation
 PASSED January 1, 2009
 FACILITY OF POLICE AND VEHICLES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT



GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

Ⓐ	2 x 2 x var. (51 x 51 var.)
Ⓑ	1 3/4 x 1 3/4 x 12 (44 x 44 x 300)
Ⓒ	2 1/4 x 2 1/4 x 60 (57 x 57 x 1500)
Ⓓ	2 1/2 x 2 1/2 x 18 (64 x 64 x 450)
Ⓔ	2 1/4 x 2 1/4 x 36 (57 x 57 x 900)

GENERAL NOTES

All bolts 3/8 (M10) hex head zinc or cadmium plated.

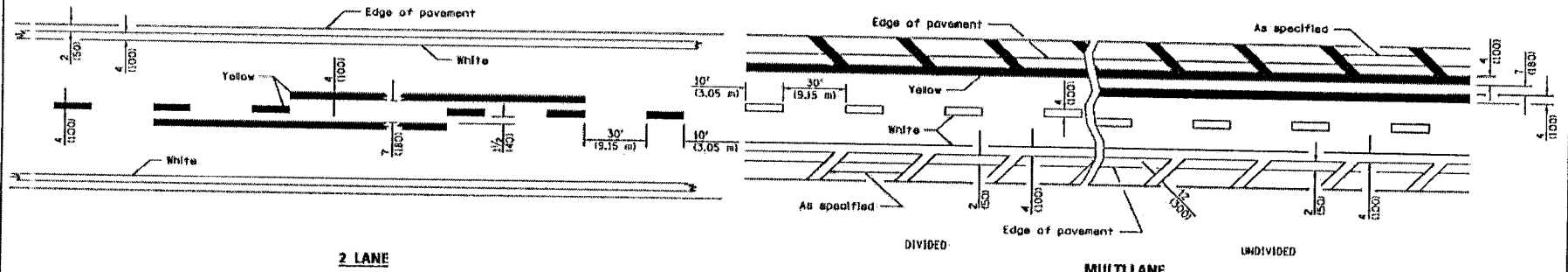
All dimensions are in inches (millimeters) unless otherwise shown.

**TELESCOPING STEEL
SIGN SUPPORT**

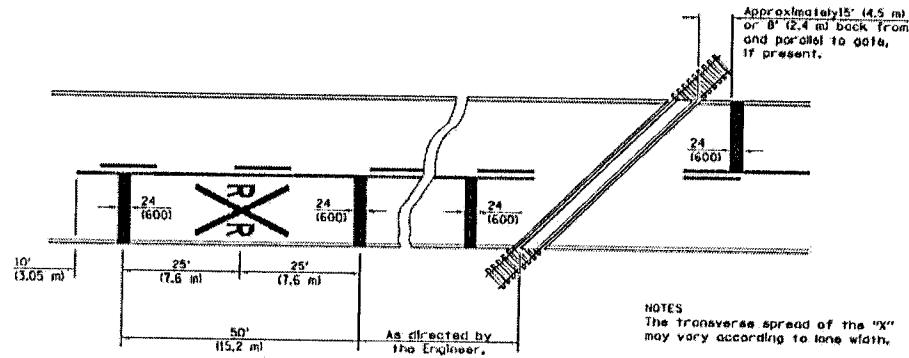
STANDARD 720001-01

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

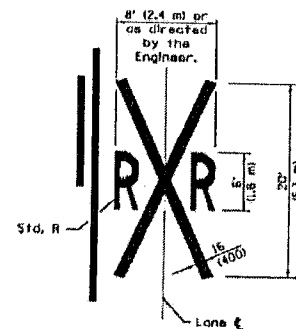
Pennsylvania Department of Transportation	
APPROVED: <i>[Signature]</i> JAMES J. JENKINS ENGINEER OF OPERATIONS	2009
APPROVED: <i>[Signature]</i> JAMES J. JENKINS ENGINEER OF DESIGN AND ENVIRONMENT	2009
AD-101-CR-003	



LANE AND EDGE LINES



NOTES
 The transverse spread of the "X" may vary according to lane width.
 On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.
 When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.



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

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

Illinois Department of Transportation

APPROVED: [Signature] DATE: [Date] 2014

ENGINEER IN CHARGE OPERATIONS

APPROVED: [Signature] DATE: [Date] 2014

PROJECT NO. 08-0000-0000-0000

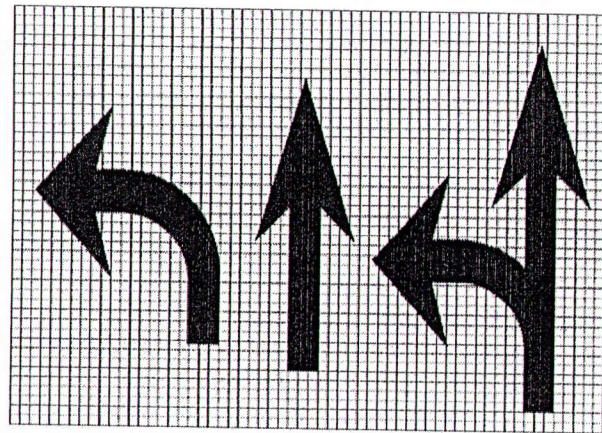
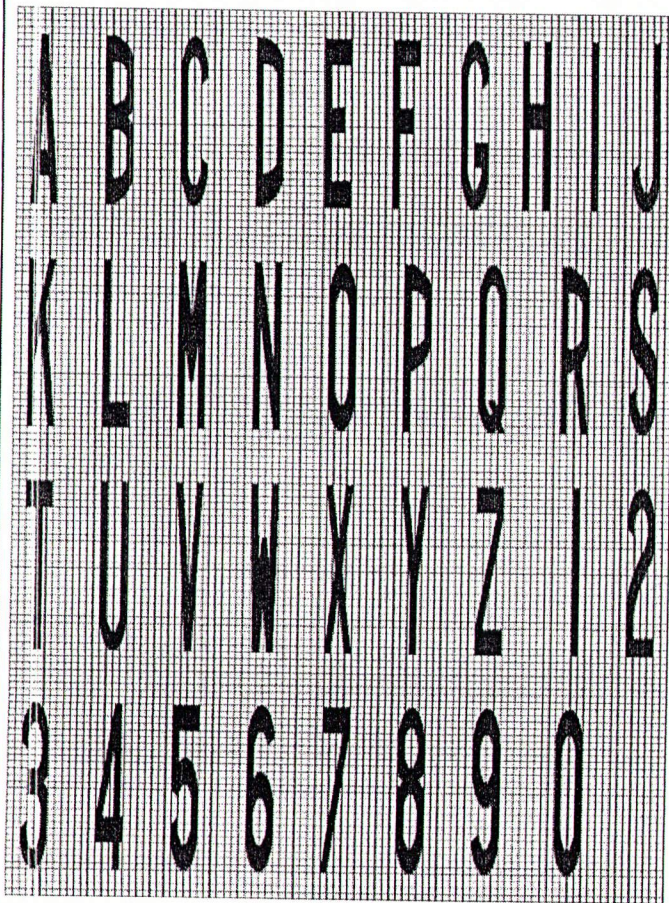
DESIGN CENTER

DATE	REVISIONS
1-1-14	Added bike symbol, Renamed 'LANE DROP ARROW' detail to 'LANE-REDUCTION ARROW'.
1-1-12	Updated reference to current MUTCD table in notes.

TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 2)

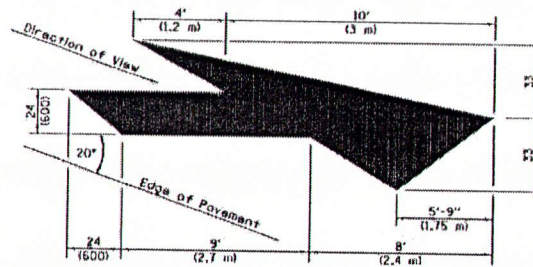
STANDARD 780001-04



Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

LETTER AND ARROW GRID SCALE

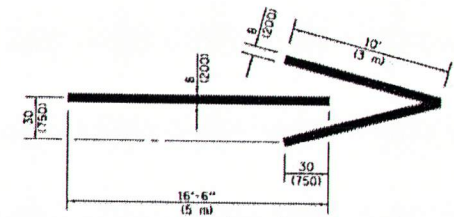


LANE-REDUCTION ARROW

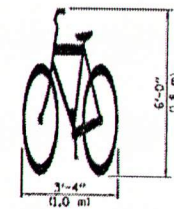
Right lane-reduction arrow shown. Use mirror image for left lane.



WORD AND ARROW LAYOUT



WRONG WAY ARROW



BIKE SYMBOL

TYPICAL PAVEMENT MARKINGS

(Sheet 2 of 2)

STANDARD 780001-04

Florida Department of Transportation

APPROVED: _____ 2014

ENGINEER OPERATIONS

APPROVED: _____ 2014

FIELD OFFICE

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED:	REVISION:	DATE:
APPROVED:	REVISION:	DATE:
APPROVED:	REVISION:	DATE:

ENGINEER OF DESIGN AND ENVIRONMENT
 PROJECT NO. 2003
 SHEET NO. 2003
 20-14 CONCRETE

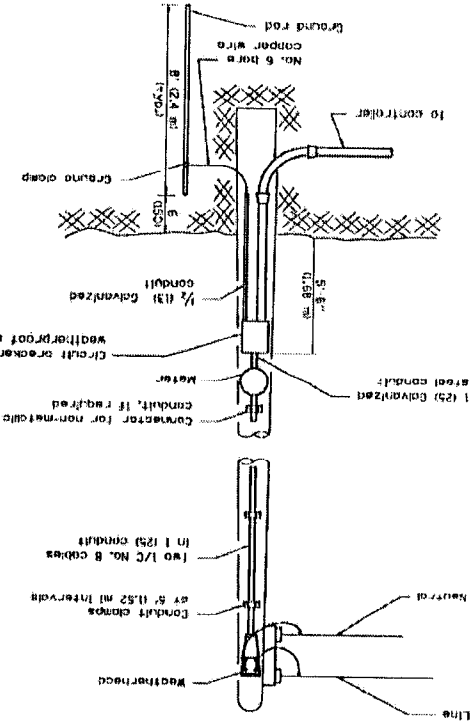
**ELECTRICAL SERVICE
 INSTALLATION DETAILS**

STANDARD 805001-01

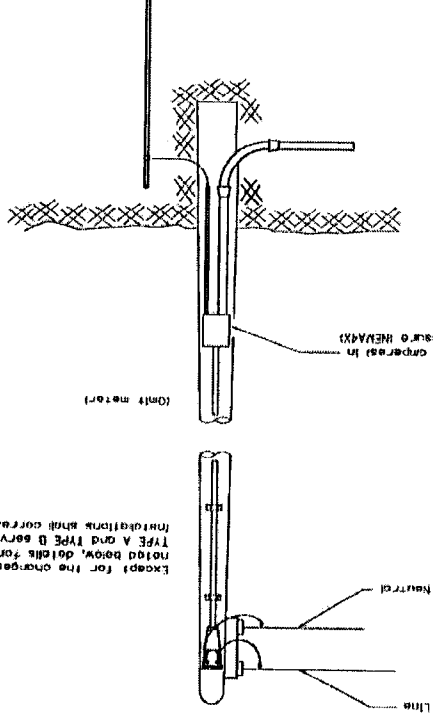
DATE	REVISIONS
1-1-09	Switched with to English (metric)
1-1-02	Revised, Standard 2373-1.

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

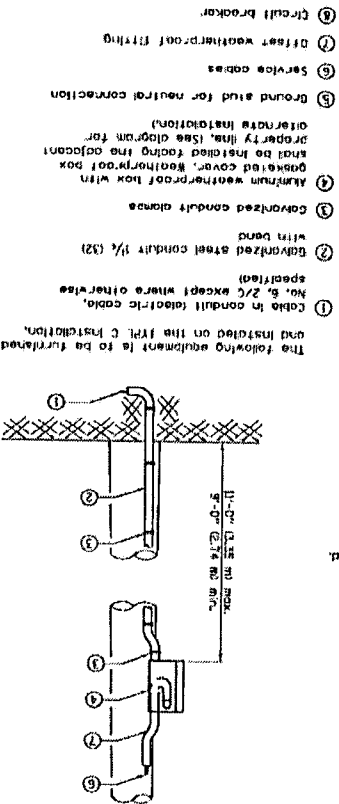
TYPE A



TYPE B

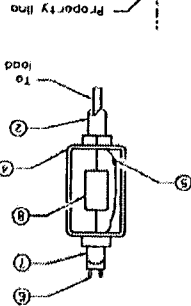
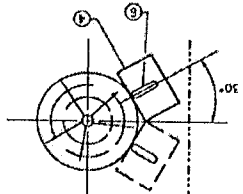


TYPE C

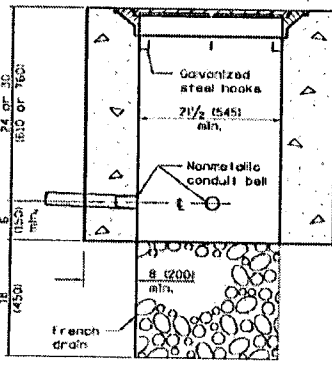
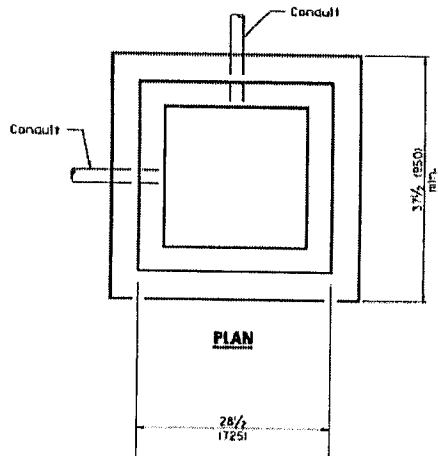


ALTERNATE INSTALLATION

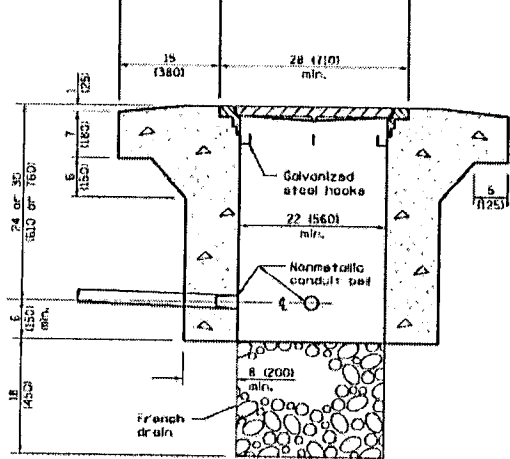
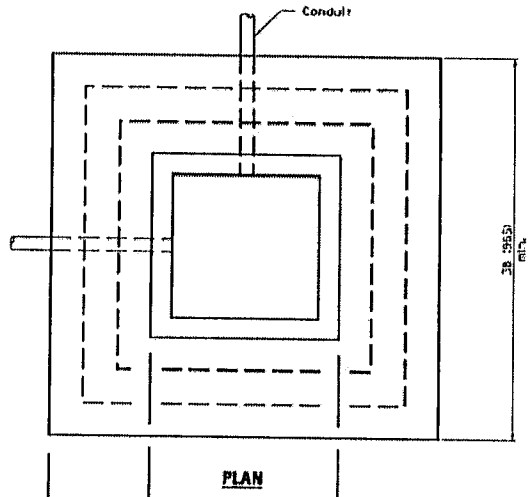
(Installation when weatherproof box cannot be installed using the adjacent structure)



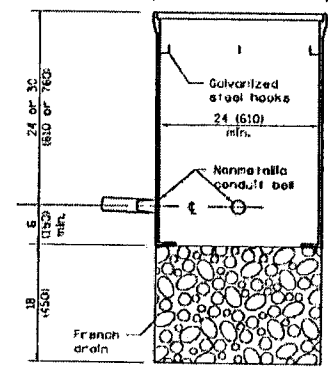
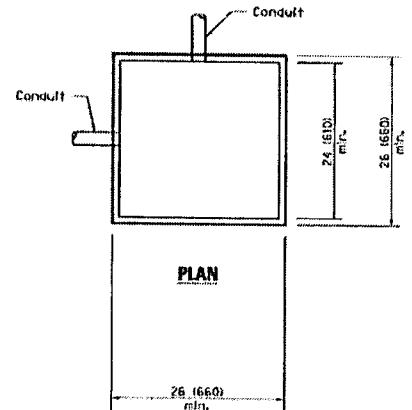
Except for the changes noted below, details for TYPE A and TYPE B service installations shall correspond.



PORTLAND CEMENT CONCRETE



**PORTLAND CEMENT CONCRETE
HEAVY DUTY**



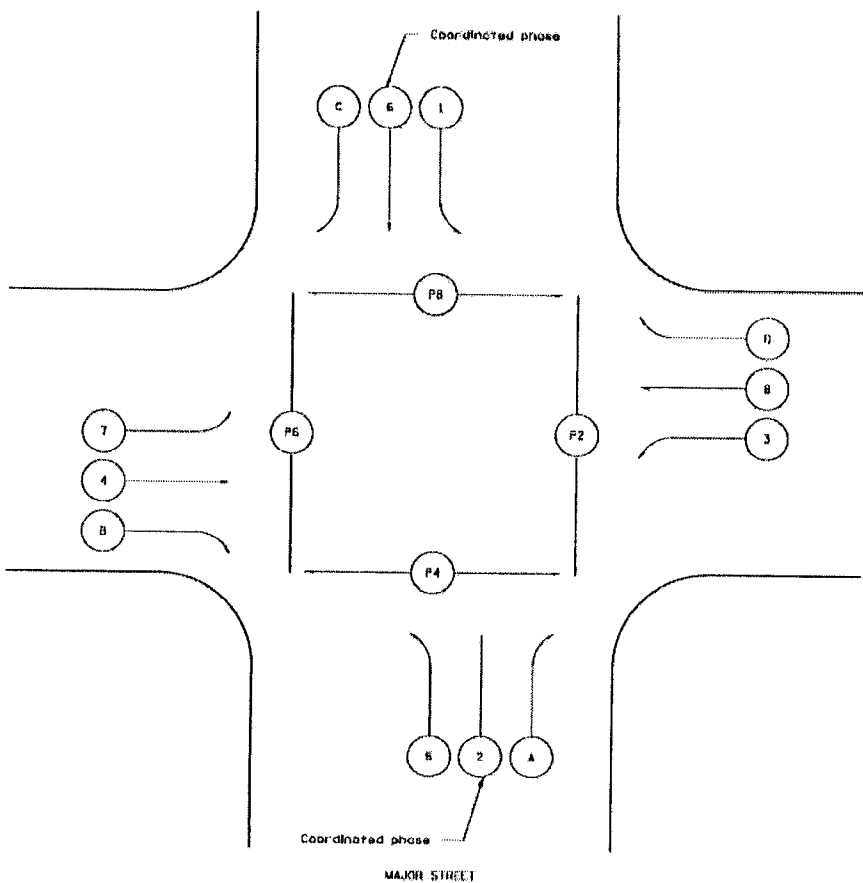
COMPOSITE CONCRETE

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

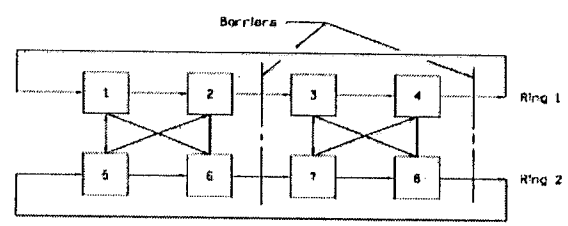
State Department of Transportation	
APPROVED	DATE
<i>[Signature]</i>	SEP 27, 2009
DIRECTOR OF OPERATIONS	
APPROVED	DATE
<i>[Signature]</i>	SEP 27, 2009
ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	Revised composite conc. handhole. Rev. weights of frames and covers.

HANDHOLES
STANDARD 814001-02



STANDARD PHASE DESIGNATION DIAGRAM (NEMA)



**NEMA EIGHT PHASE DUAL RING
ACTUATED CONFIGURATION**

LEGEND

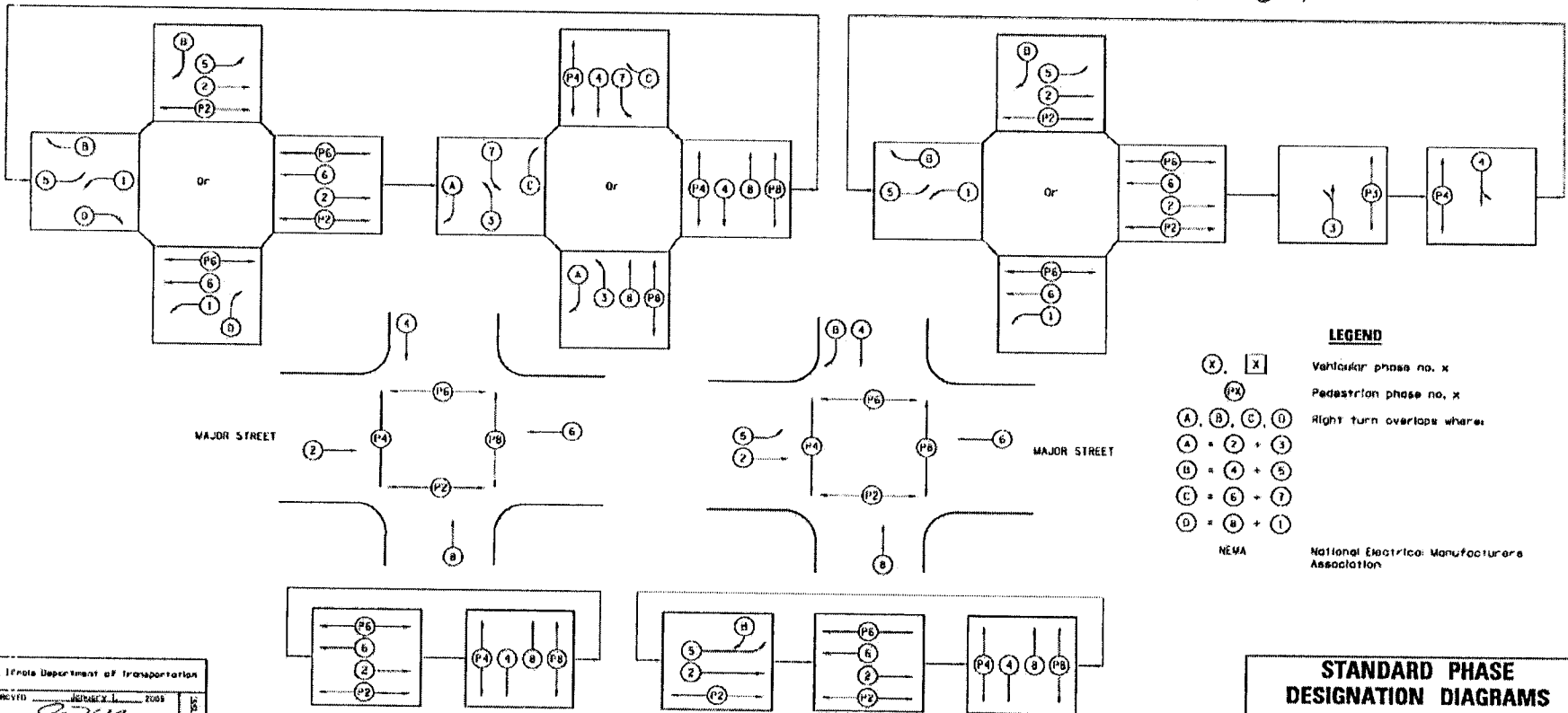
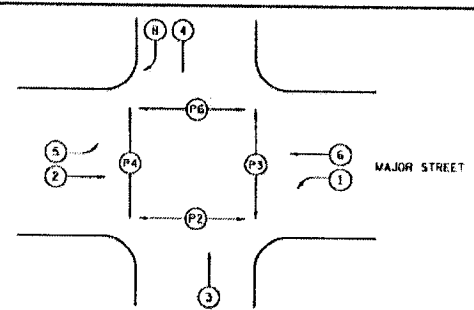
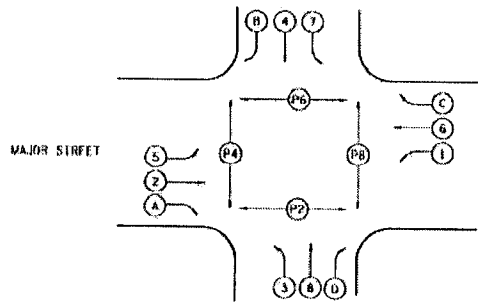
- (X), [X] Vehicular phase no. x
- (PX) Pedestrian phase no. x
- (A), (B), (C), (D) Right turn overlaps where:
 - (A) = (2) + (3)
 - (B) = (4) + (5)
 - (C) = (6) + (7)
 - (D) = (8) + (1)

NEMA National Electrical Manufacturers Association

Illinois Department of Transportation
 APPROVED January 1, 2008
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2008
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-09	Added note regarding width of length.
1-1-97	Revised Standard 7393-2.

**STANDARD PHASE
DESIGNATION DIAGRAMS
AND PHASE SEQUENCES**
 (Sheet 1 of 2)
STANDARD 857001-01



LEGEND

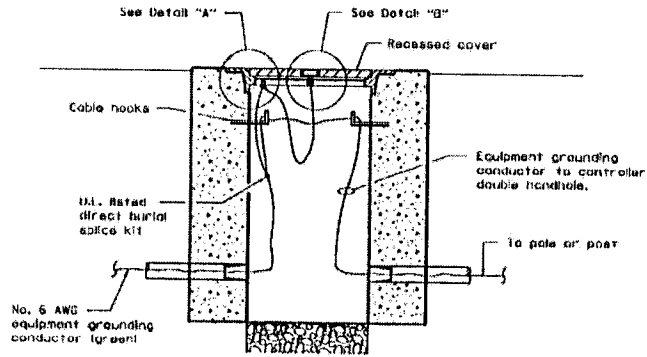
- (X), [X] Vehicle phase no. x
- (PX) Pedestrian phase no. x
- (A), (B), (C), (D) Right turn overlaps where:
 - (A) = 2 + 3
 - (B) = 4 + 5
 - (C) = 6 + 7
 - (D) = 8 + 1

NEMA National Electrical Manufacturers Association

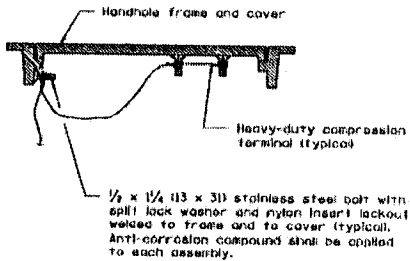
Illinois Department of Transportation
 APPROVED: [Signature] January 1, 2009
 ENGINEER OF DESIGN
 APPROVED: [Signature] January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

PHASE DESIGNATION DIAGRAMS AND CORRESPONDING PHASE SEQUENCES

STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
 (Sheet 2 of 2)
STANDARD 857001-01



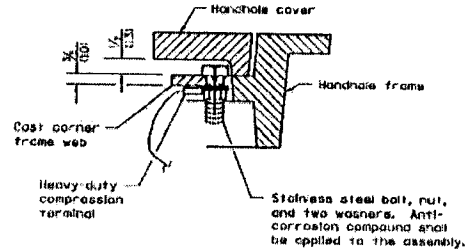
BONDING A HANDHOLE COVER & FRAME



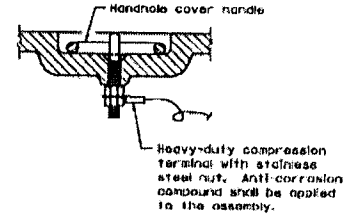
BONDING AN EXISTING HANDHOLE COVER & FRAME



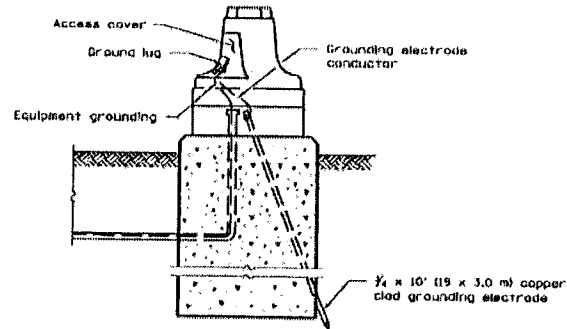
HEAVY-DUTY COMPRESSION TERMINAL



DETAIL "A"



DETAIL "B"



GROUNDING A MAST ARM POLEPOST



1/4 (19) Clamp Size

HEAVY-DUTY GROUND ROD CLAMP

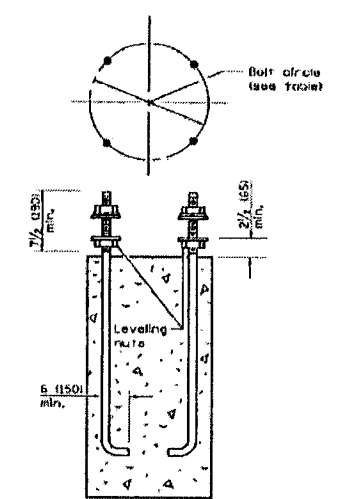
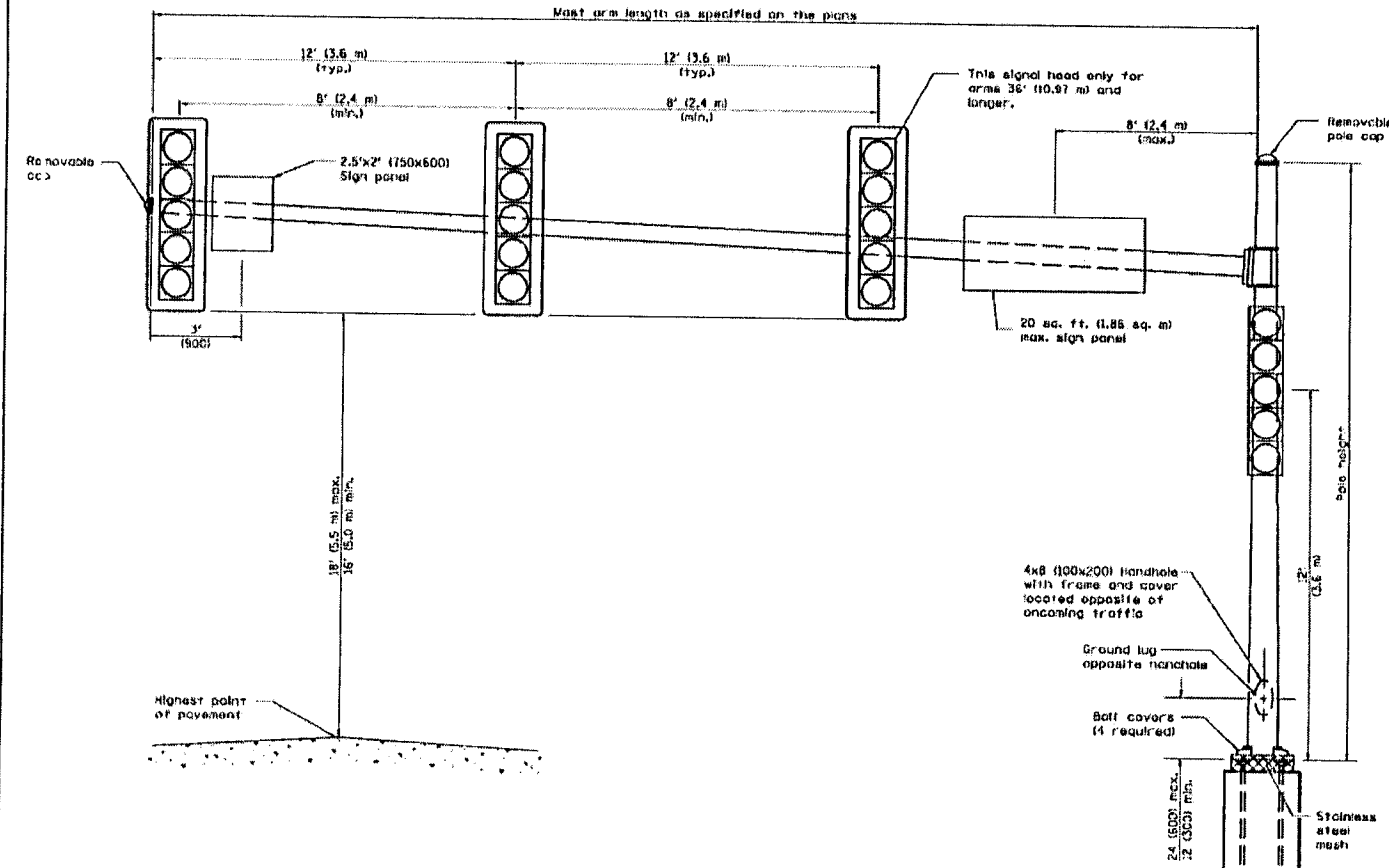
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation	
APPROVED	January 1, 2008
ENGINEER OF OPERATIONS	
APPROVED	January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-09	Switched units to English metric.
1-1-07	Revised terminology.

**TRAFFIC SIGNAL
GROUNDING & BONDING**

STANDARD 879001-02



ANCHOR ROD DETAIL

MAST ARM LENGTH	BOLT CIRCLE	ANCHOR ROD SIZE
16' thru 20' 4.87 m thru 6.10 m	15 (380)	1 1/2 x 5' 38 x 1.5 m
22' thru 30' 6.71 m thru 9.14 m	16 (450)	1 1/2 x 5' 38 x 1.5 m
32' thru 40' 9.75 m thru 12.20 m	18 (450)	1 3/4 x 7' 44 x 2.10 m
42' thru 55' 12.80 m thru 16.80 m	21 (535)	1 3/4 x 7' 44 x 2.10 m

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m). All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-12	Changed 2.5'x8' sign panel to 20 sq. ft. (1.86 sq. m) max.
1-1-09	Switched units to English (metric).

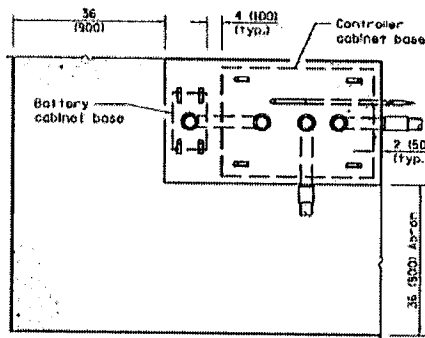
STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

STANDARD 877001-05

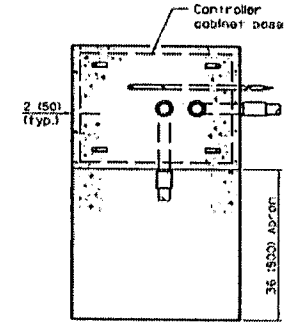
Illinois Department of Transportation

APPROVED: *[Signature]* JUNE 1, 2012
 ENGINEER/OPERATIONS

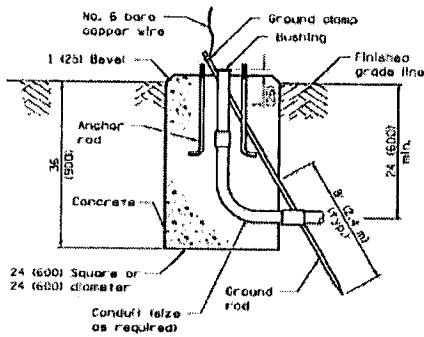
APPROVED: *[Signature]* JUNE 1, 2012
 ENGINEER/DESIGN AND ENVIRONMENT



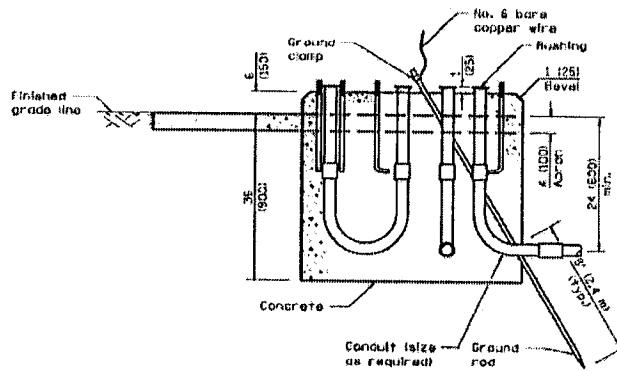
TOP VIEW



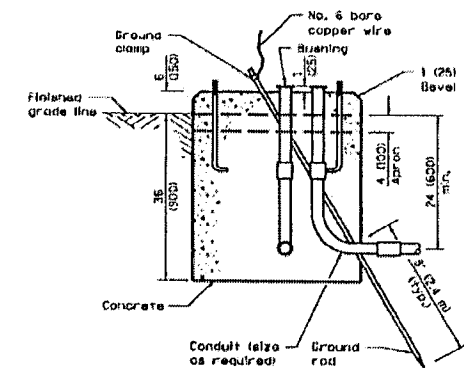
TOP VIEW



TYPE A



**TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET**

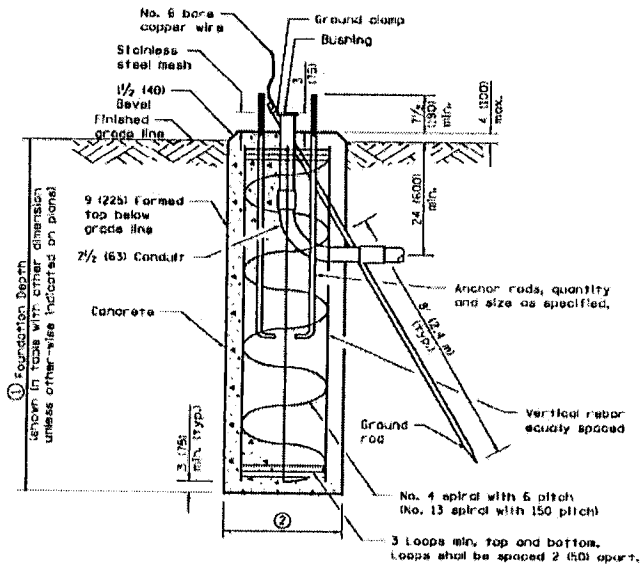
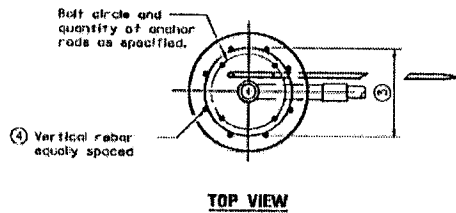
All dimensions are in inches (millimeters) unless otherwise shown.

California Department of Transportation	
APPROVED: _____ DATE: _____ ENGINEER OF OPERATIONS	APPROVED: _____ DATE: _____ ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-12	Revised rebar No.'s with 'various' for TYPE E foundation detail.
1-1-10	Revised note for foundation depth in tbl.
	Revised sizes of rebars.

CONCRETE FOUNDATION DETAILS
(Sheet 1 of 2)

STANDARD 878001-09



TYPE E

Moat Arm Length	① Foundation Depth *	② Foundation Diameter	③ Spiral Diameter	④ Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30 (750)	24 (600)	8	6 (19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30 (750)	24 (600)	8	6 (19)
	11'-0" (3.4 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36 (900)	30 (750)	12	7 (22)
	15'-0" (4.6 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42 (1060)	36 (900)	16	8 (25)
	25'-0" (7.6 m)	42 (1060)	36 (900)	16	8 (25)

* For standard and combination moat arm assemblies. Foundation depths for standard dual moat arms with the longest arm length up to and including 55' (16.8 m) shall be increased by 1' (0.3 m) of that shown in the table, based on the longer of the two arms.

These foundation depths are for sites which have cohesive soils (clayey silty sand, sandy clay, etc.) along the length of the shaft, with an average unconfined Compressive Strength (q_u) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.

Illinois Department of Transportation

APPROVED: *[Signature]* JANUARY 3, 2012

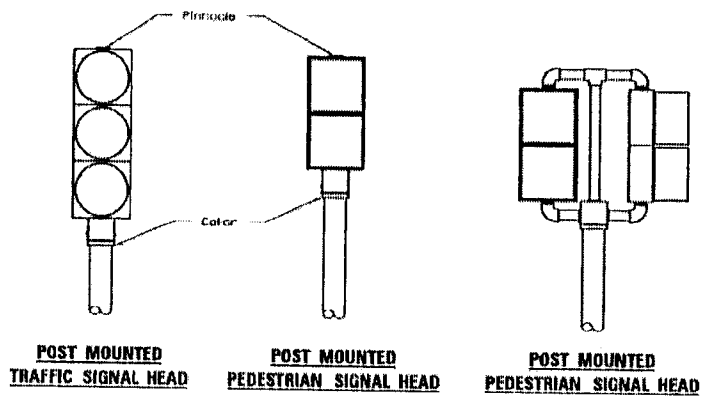
ENGINEER IN CHARGE OPERATIONS

APPROVED: *[Signature]* JANUARY 3, 2012

ENGINEER IN CHARGE DESIGN AND ENVIRONMENT

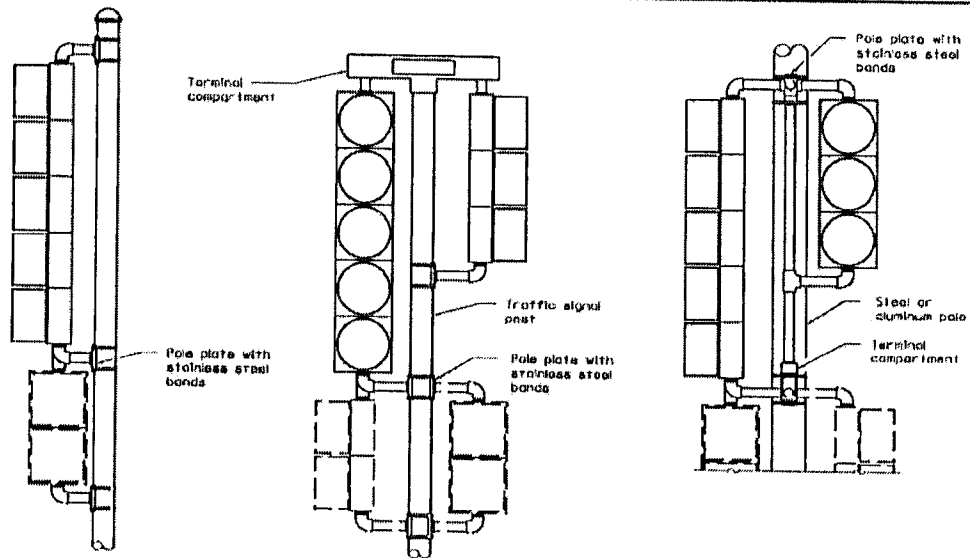
**CONCRETE
FOUNDATION DETAILS**
(Sheet 2 of 2)

STANDARD 878001-09



ONE WAY

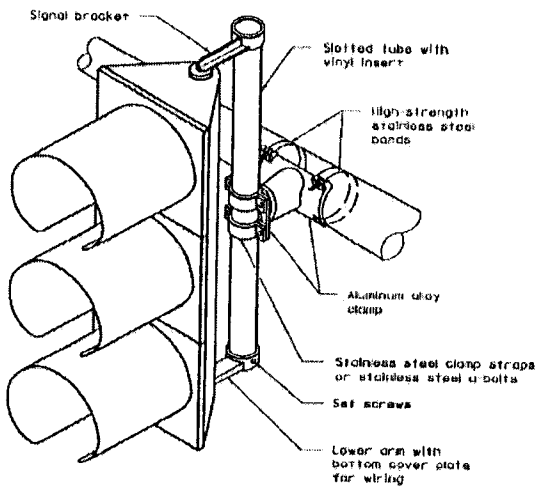
TWO WAY



BRACKET MOUNTED TRAFFIC SIGNAL HEAD

ONE WAY

TWO WAY



STEEL MAST ARM MOUNTING

State Department of Transportation

APPROVED January 1, 2009

ENGINEER OF OPERATIONS

APPROVED January 1, 2009

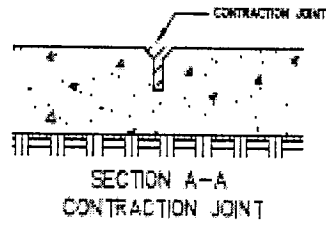
DESIGNER OF DESIGN AND CONSTRUCTION

DATE	REVISIONS
1-1-09	Added note regarding units of length.
1-1-02	Revised Standard #40006.

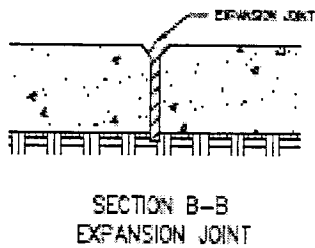
TRAFFIC SIGNAL MOUNTING DETAILS

STANDARD 880006-01

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

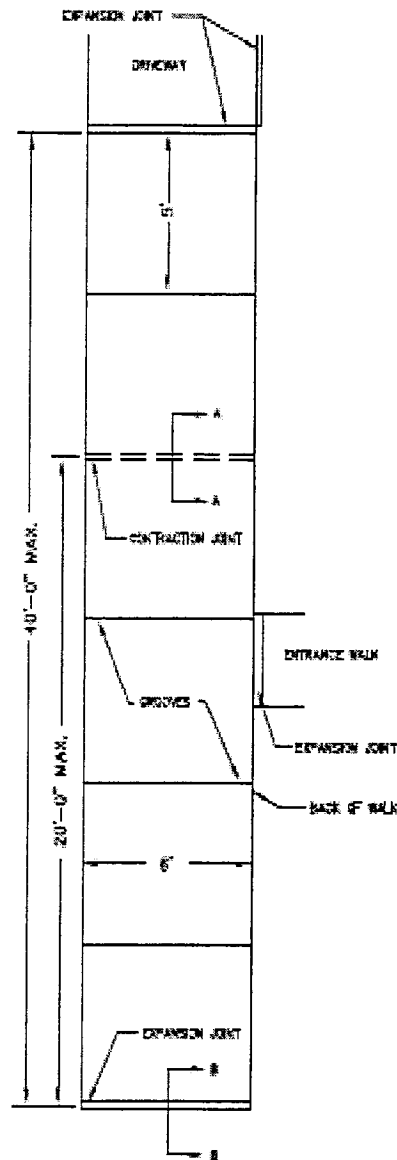


1/2" THICK PREPARED JOINT FILLER SHALL BE INSTALLED 1/2" BELOW SURFACE OF SIDE WALK AND A BEAD OF ONE PART SELF LEVELING URETHANE SEALANT INSTALLED TO LEVEL OF SURFACE



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: