Illinois Department of Transportation

Local Public Agency
Formal Contract Proposal

COVER SHEET

Proposal Submitted By:

Contractor's Name

Contractor's Address | City | State | Zip Code

STATE OF ILLINOIS

Local Public Agency: County of DuPage | County: DuPage | Section Number: 20-SDWLK-05-SW

Route(s) (Street/Road Name): C.H. 3 Warrenville Road | Type of Funds: Local Gas Tax

☐ Proposal Only ☐ Proposal and Plans ☒ Proposal only, plans are separate

Submitted/Approved
For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

County Engineer
on behalf of IDOT pursuant to
Agreement of Understanding
Dated August 7, 2012

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature & Date

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

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	20-SDWLK-05-SW	Warrenville Road Sidewalk

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of the DuPage County Division of Transportation
(Name of Office)

421 N. County Farm Road, 2nd Floor, Weaton, IL 60187 (Address) until 2:00 PM (Time) on 02/28/23 (Date)

Sealed proposals will be opened and read publicly at the office of the DuPage County Division of Transportation
(Name of Office)

421 N. County Farm Road, 2nd Floor, Weaton, IL 60187 (Address) at 2:00 PM (Time) on 02/28/23 (Date)

DESCRIPTION OF WORK

Location: I-88 BRIDGE TO IL ROUTE 53

Project Length: 0.18 miles

Proposed Improvement:

Installation of new sidewalk on the north side of Warrenville Road including slope wall removal and reconstruction, curb & gutter removal and replacement, drainage structure repairs, pavement marking, and all appurtenances to complete the work.

1. Plans and proposal forms will be available in the office of

on line at http://www.dupagecounty.gov/DOT/bids/
or by contacting the Division of Transportation at (630)-407-6900

2. ☑ Prequalification

   If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following Forms shall be returned by the bidder to the Awarding Authority:
   a. Local Public Agency Formal Contract Proposal (BLR 12200)
   b. Schedule of Prices (DuPage County version of BLR 12201)
   c. Proposal Bid Bond (BLR 12230) (if applicable)
   d. DuPage County Apprenticeship and Training Program Certification (all Apprenticeship/Training Registration Number(s) and/or Certificate(s) need to be included with this form)
   e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
   f. DuPage County – Required Vendor Ethics Disclosure Statement
   g. IRS Form W-9: Request for Taxpayer Identification Number and Certification
   h. Three (3) References Form

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.

8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	20-SDWLK-05-SW	Warrenville Road Sidewalk

PROPOSAL

1. Proposal of _____
Contractor's Name

_____.
Contractor's Address

2. The plans for the proposed work are those prepared by DuPage County Division of Transportation and approved by the Department of Transportation on _____.

3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the " Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.

4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.

5. The undersigned agrees to complete the work within 20 working days or by _____ unless additional time is granted in accordance with the specifications.

6. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.

7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.

8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.

9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: County Treasurer of DuPage.

The amount of the check is _____ (_____).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number 20-SDWLK-05-SW.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	20-SDWLK-05-SW	Warrenville Road Sidewalk

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.

2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State of Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter or 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.

4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
County of DuPage	DuPage	20-SDWLK-05-SW	Warrenville Road Sidewalk

SIGNATURES

(If an individual)

Bidder Signature & Date

Business Address

City | State | Zip Code

(If a partnership)

Firm Name

Signature & Date

Title

Business Address

City | State | Zip Code

Insert the Names and Addresses of all Partners

(If a corporation)

Corporate Name

Signature & Date

Title

Business Address

City | State | Zip Code

Insert Names of Officers

President

Secretary

Treasurer

Attest:

Secretary

RETURN WITH BID

Illinois Department of Transportation

SCHEDULE OF PRICES

Contractor's Name:

Local Public Agency: **County of DuPage**

County: **DuPage**

Section: **20-SDWLK-05-SW**

Route: **Warrenville Road Sidewalk**

Schedule for Multiple Bids

Combination Letter	Sections included in Combinations	Total

Schedule for Single Bid

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

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TEMPORARY FENCE	FOOT	200		$ -
2	EARTH EXCAVATION	CU YD	276		$ -
3	TRENCH BACKFILL	CU YD	4		$ -
4	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1248		$ -
5	NITROGEN FERTILIZER NUTRIENT	POUND	16		$ -
6	POTASSIUM FERTILIZER NUTRIENT	POUND	16		$ -
7	SODDING	SQ YD	1142		$ -
8	SODDING, SALT TOLERANT	SQ YD	282		$ -
9	SUPPLEMENTAL WATERING	UNIT	10		$ -
10	TEMPORARY DITCH CHECKS	FOOT	40		$ -
11	PERIMETER EROSION BARRIER	FOOT	106		$ -
12	INLET AND PIPE PROTECTION	EACH	3		$ -
13	INLET FILTERS	EACH	6		$ -

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
14	SUBBASE GRANULAR MATERIAL, TYPE B. 2"	SQ YD	646		$ -
15	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5809		$ -
16	DETECTABLE WARNINGS	SQ FT	45		$ -
17	COMBINATION CURB AND GUTTER REMOVAL	FOOT	78		$ -
18	MEDIAN REMOVAL	SQ FT	457		$ -
19	SLOPE WALL REMOVAL	SQ YD	367		$ -
20	STRUCTURE EXCAVATION	CU YD	200		$ -
21	CONCRETE STRUCTURES	CU YD	1		$ -
22	PROTECTIVE COAT	SQ YD	191		$ -
23	REINFORCEMENT BARS, EPOXY COATED	POUND	45		$ -
24	SLOPE WALL 4 INCH	SQ YD	191		$ -
25	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	17		$ -
26	GRANULAR BACKFILL FOR STRUCTURES	CU YD	18.4		$ -
27	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	1		$ -
28	GRATES, TYPE 8	EACH	1		$ -
29	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	22		$ -
30	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	56		$ -
31	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	171		$ -
32	NON-SPECIAL WASTE DISPOSAL	CU YD	45		$ -
33	SOIL DISPOSAL ANALYSIS	EACH	1		$ -
34	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		$ -
35	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		$ -
36	REGULATED SUBSTANCES MONITORING	CAL DA	3		$ -
37	CHANGEABLE MESSAGE SIGN	CAL DA	56		$ -

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
38	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	400		$ -
39	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	60		$ -
40	HANDHOLE	EACH	1		$ -
41	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		$ -
42	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1688		$ -
43	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1718		$ -
44	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	76		$ -
45	DRILL EXISTING HANDHOLE	EACH	3		$ -
46	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6		$ -
47	PEDESTRIAN PUSH BUTTON	EACH	6		$ -
48	MODIFY EXISTING CONTROLLER	EACH	1		$ -
49	MODIFY EXISTING CONTROLLER CABINET	EACH	1		$ -
50	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		$ -
51	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1		$ -
52	PEDESTRIAN SIGNAL POST, 10FT	EACH	3		$ -
53	SAWCUT CURB	FOOT	106		$ -
54	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L SUM	1		$ -
55	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6		$ -
56	CONCRETE FOUNDATION, TYPE A 12 INCH DIAMETER	FOOT	12		$ -
57	TEST HOLE	EACH	2		$ -
58	CONSTRUCTION LAYOUT	L SUM	1		$ -
59	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	1		$ -
60	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	2		$ -
61	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1		$ -

RETURN WITH BID

Item No.	Items	Unit	Quantity	Unit Price	Total
62	TEMPORARY INFORMATION SIGNING	SQ FT	103		$ -
63	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		$ -
64	STORM SEWER AND PIPE CULVERT REMOVAL	FOOT	11		$ -
65	TEMPORARY STONE	TON	1		$ -
	Bidder's proposal for making entire improvements **(BASE BID)**				

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

Illinois Department of Transportation

Local Public Agency Proposal Bid Bond

E-mail | Reset Form

Local Public Agency	County	Section Number
County of DuPage	DuPage	20-SDWLK-05-SW

WE, _____ as PRINCIPAL, and

_____ as SURETY, are held jointly, severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA 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 LPA 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 LPA 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 LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA 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 _____ of _____
Day Month and Year

Principal

Company Name	Company Name
Signature & Date	Signature & Date
By:	By:
Title	Title

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

Surety

Name of Surety	Signature of Attorney-in-Fact Signature & Date
	By:

STATE OF IL

COUNTY OF

I _____ , a Notary Public in and for said county do hereby certify that

_____
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

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

Given under my hand and notarial seal this _____ day of _____ .
Day Month and Year

Notary Public Signature & Date

(SEAL, if required by the LPA)

Date commission expires _____

Local Public Agency	County	Section Number
County of DuPage	DuPage	20-SDWLK-05-SW

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LPA if electronic bid bond is allowed)**

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

Electronic Bid Bond ID Code

Company/Bidder Name

Signature & Date

Title

Apprenticeship and Training Program Certification

RETURN WITH BID

Local Public Agency	County	Street Name/Road Name	Section Number
County of DuPage	DuPage	Warrenville Road Sidewalk	20-SDWLK-05-SW

All contractors are required to complete the following certification

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

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

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

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.

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

3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work.

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

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

Bidder

Signature

Date

Title

Address

City

State

Zip Code

DuPage County form in lieu of BLR 12325 (Rev. 01/21/21)

Illinois Department of Transportation

Affidavit of Illinois Business Office

E-mail | Reset Form

Local Public Agency	County	Street Name/Road Name	Section Number
County of DuPage	DuPage	Warrenville Road Sidewalk	20-SDWLK-05-SW

I, _____ of _____, _____,
Name of Affiant | City of Affiant | State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the _____ of _____.
Officer or Position | Bidder

2. That I have personal knowledge of the facts herein stated.

3. That, if selected under the proposal described above, _____, will maintain a business office in the
Bidder

State of Illinois, which will be located in _____ County, Illinois.
County

4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.

5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

Print Name of Affiant

Notary Public

State of IL

County _____

Signed (or subscribed or attested) before me on _____ by
(date)

_____, authorized agent(s) of
(name/s of person/s)

_____.
Bidder

Notary Public Signature & Date

(SEAL)

My commission expires _____

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 02/28/23

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

☐ Add pages for additional contracts

Required Vendor Ethics Disclosure Statement

Failure to complete and return this form may result in delay or cancellation of the County's Contractural Obligation.

Date: _____

Bid/Contract/PO #: 20-SDWLK-05-SW

Company Name:	Company Contact:
Contact Phone:	Contact Email:

The DuPage County Procurement Ordinance requires the following written disclosures prior to award:

1. Every contractor, union, or vendor that is seeking or has previously obtained a contract, change orders to one (1) or more contracts, or two (2) or more individual contracts with the county resulting in an aggregate amount at or in excess of $25,000, shall provide to Procurement Services Division a written disclosure of all political campaign contributions made by such contractor, union, or vendor within the current and previous calendar year to any incumbent county board member, county board chairman, or countywide elected official whose office the contract to be awarded will benefit. The contractor, union or vendor shall update such disclosure annually during the term of a multi-year contract and prior to any change order or renewal requiring approval by the county board. For purposes of this disclosure requirement, "contractor or vendor" includes owners, officers, managers, lobbyists, agents, consultants, bond counsel and underwriters counsel, subcontractors and corporate entities under the control of the contracting person, and political action committees to which the contracting person has made contributions.

☐ **NONE (check here) - If no contributions have been made**

Recipient	Donor	Description (e.g. cash, type of item, in-kind services, etc.)	Amount/Value	Date Made

2. All contractors and vendors who have obtained or are seeking contracts with the county shall disclose the names and contact information of their lobbyists, agents and representatives and all individuals who are or will be having contact with county officers or employees in relation to the contractor bid and shall update such disclosure with any changes that may occur.

☐ **NONE (check here) - If no contacts have been made**

Lobbyists, Agents and Representatives and all individuals who are or will be having contact with county officers or employees in relation to the contract or bid	Telephone	Email

A contractor or vendor that knowingly violates these disclosure requirements is subject to penalties which may include, but are not limited to, the immediate cancellation of the contract and possible disbarment from future county contracts.

Continuing disclosure is required, and I agree to update this disclosure form as follows:

- If information changes, within five (5) days of change, or prior to county action, whichever is sooner
- 30 days prior to the optional renewal of any contract
- Annual disclosure for multi-year contracts on the anniversary of said contract
- With any request for change order except those issued by the county for administrative adjustments

The full text for the county's ethics and procurement policies and ordinances are available at:
http://www.dupageco.org/CountyBoard/Policies/

I hereby acknowledge that I have received, have read, and understand these requirements.

Authorized Signature _____

Printed Name _____

Title _____

Date _____

Attach additional sheets if necessary. Sign each sheet and number each page. Page _____ of _____ (total number of pages)

REFERENCES

All bidders must provide three (3) projects of a similar nature as being performed in the immediate past five (5) years with the name, address and telephone number of the contact person having knowledge of the project or three (3) references (name, address, and telephone number) with knowledge of the integrity and business practices of the contractor.

PROJECT	
FIRM	
ADDRESS	
CONTACT	
TELEPHONE	

PROJECT	
FIRM	
ADDRESS	
CONTACT	
TELEPHONE	

PROJECT	
FIRM	
ADDRESS	
CONTACT	
TELEPHONE	

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► **Go to *www.irs.gov/FormW9* for instructions and the latest information.**

Give Form to the requester. Do not send to the IRS.

Print or type. See **Specific Instructions** on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

Requester's name and address (optional)

6 City, state, and ZIP code

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

		–							

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	**Signature of U.S. person** ►	**Date** ►

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9.*

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting,* later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.

2. The treaty article addressing the income.

3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.

4. The type and amount of income that qualifies for the exemption from tax.

5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,

2. You do not certify your TIN when required (see the instructions for Part II for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code,* later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships,* earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code,* later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)

2—The United States or any of its agencies or instrumentalities

3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

4—A foreign government or any of its political subdivisions, agencies, or instrumentalities

5—A corporation

6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession

7—A futures commission merchant registered with the Commodity Futures Trading Commission

8—A real estate investment trust

9—An entity registered at all times during the tax year under the Investment Company Act of 1940

10—A common trust fund operated by a bank under section 584(a)

11—A financial institution

12—A middleman known in the investment community as a nominee or custodian

13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over $600 required to be reported and direct sales over $5,000[1]	Generally, exempt payees 1 through 5[2]
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester,* later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at *www.SSA.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/Businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. Go to *www.irs.gov/Forms* to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to *www.irs.gov/OrderForms* to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code,* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account[1]
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor[2]
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee[1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner[1]
6. Sole proprietorship or disregarded entity owned by an individual	The owner[3]
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	**Give name and EIN of:**
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity[4]
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships,* earlier.

***Note:** The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

- TABLE OF CONTENTS
- SPECIAL PROVISIONS

TABLE OF CONTENTS

Index for Supplemental Specifications and Recurring Special Provisions

Check Sheet for Recurring Special Provisions

Check Sheet for Recurring Local Roads and Streets Special Provisions
DuPage County Prevailing Wage effective for January 18, 2023 (for use with LRS Check Sheet #12)

Local Roads and Streets Special Provisions
LR 109-2 Special Provision for Bituminous Materials Cost Adjustment (Local Letting Only)
LR 406 Filling HMA Core Holes with Non-shrink Grout
LR 702 Construction and Maintenance Signs

BDE Special Provisions
Accessible Pedestrian Signals (APS)
Blended Finely Divided Minerals
Compensable Delay Costs
Construction Air Quality - Diesel Retrofit
Subcontractor Mobilization Payments
Vehicle and Equipment Warning Lights
Work Zone Traffic Control Devices
Working Days

Traffic Signal Special Provisions
Traffic Signal General Requirements
Grounding of Traffic Signal Systems
Handholes
Light Emitting Diode (LED) Pedestrian Signal Head
Maintenance of Existing Traffic Signal and Flashing Beacon Installation
Remove Existing Traffic Signal Equipment
Re-Optimize Traffic Signal System
Traffic Signal Post
Modify Existing Controller Cabinet
Pedestrian Push-button
Electric Cable
Concrete Foundation
89502375 Remove Existing Traffic Signal Equipment

Environmental Sampling Analysis and Documentation

LPC-662 Source Site Certification by Owner or Operator for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation

LPC-663 Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation

Highway Standards

000001-08 Standard Symbols, Abbreviations and Patterns
001006 Decimal of an Inch and of a Foot
280001-07 Temporary Erosion Control Systems
424001-11 Perpendicular Curb Ramps for Sidewalks
424011-04 Corner Parallel Curb Ramps for Sidewalks
602001-02 Catch Basin Type A
604036-03 Grate, Type 8
606001-08 Concrete Type B and Combination Concrete Curb and Gutter
701101-05 Off-Road Operations, Multilane, 15' (4.5 M) To 24" (600mm) From Pavement Edge
701106-02 Off-Road Operations, Multilane, More Than 15' (4.5 mm) Away
701601-09 Urban Lane Closure, Multilane, 1w or 2w With Nontraversable Median
701701-10 Urban Lane Closure, Multilane Intersection
701801-06 Sidewalk, Corner or Crosswalk Closure
701901-08 Traffic Control Devices
720001-01 Sign Panel Mounting Details
720006-04 Sign Panel Erection Details
720011-01 Metal Posts for Signs, Markers and Delineators
728001-01 Telescoping Steel Sign Support
729001-01 Applications of Types A and B Metal Posts (For Signs & Markers)
780001-05 Typical Pavement Markings
873001-02 Traffic Signal Grounding & Bonding
876001-04 Pedestrian Push Button Post
878001-11 Concrete Foundation Details
880006-01 Traffic Signal Mounting Details

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein which apply to and govern the proposed improvement designated as Section 20-SDWLK-05-SW, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

(Illinois Department of Transportation Bureau of Local Roads and Streets Special Provision for BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS LRS Check Sheet #6)

Add the following to the section **Prequalification of Bidders**: “Prequalification is required. The Certificate of Eligibility shall be accompanied by a Request for Authorization to Bid form completed by the prospective bidder. The Certificate of Eligibility and Request for Authorization to Bid shall be submitted at least one business day prior to the public opening of proposals. Authorization to bid will be issued by the DuPage County Division of Transportation to prospective bidders who are qualified to perform the work, as evidenced by the Certificate of Eligibility.”

Revise the first sentence of the section **Preparation of the Proposal** to read: "Bidders shall submit their proposals on the form furnished by the Awarding Authority or on a form approved by the Awarding Authority prior to submittal of the Proposal."

Add the following to the section **Preparation of the Proposal**: "Unit prices shall only be accepted rounded to the nearest one-hundredth (0.01) of a dollar."

Add the following to the section **Preparation of the Proposal**: “The low bidder shall complete and submit the IRS W-9 form included in this proposal within 48 hours of being notified as the low bidder. The form shall be emailed to Department at DOTBidInfo@dupageco.org. All bidders may either submit the W-9 form with their bid proposal or wait to be notified that they are the low bidder.

Add the following to the section **Public Opening of Proposals**: “Proposals will only be accepted by bidders who have been issued an authorization to bid by the DuPage County Division of Transportation. Proposals submitted without authorization to bid will be returned unopened.”

Add the following to after the first sentence of the section **Consideration of Proposals**: “If the Proposal includes quantities and unit prices for multiple agencies, then the summation to be compared shall include all items and not just the items for a single agency.”

SECTION 107 LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC

Add the following to Article 107.01: The Department will provide forms or a website for the Contractor and Subcontractors to enter and submit vendor information to comply with Public Act 102-0265.

Article 107.20 Protection and Restoration of Property. Add the following after the first paragraph of this Article:
"The Contractor shall maintain conveyance of all flows during construction of this project. When existing drainage facilities are disturbed, the Contractor shall provide and maintain temporary inlets, outlets, and connections for all private and public drains, sewers, culverts, and other drainage facilities. The Contractor shall provide facilities to take in all storm water which will be received by these drains and sewers, and discharge the same. The Contractor shall provide and maintain a pumping plant, if necessary, and a temporary outlet and be prepared at all time to dispose of water received from these temporary connections until such time that the permanent drainage facilities are in service."

Revise the last paragraph of this Article to read:
"The cost of all materials and equipment required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit bid prices of the contract, and no additional compensation will be allowed. "

Article 107.26 Indemnification. In addition to the requirements of this Article, for any activity occurring on an easement or any other property not owned by the Department, the indemnification shall also be extended to the property owners and any tenants thereon.

Article 107.27 Insurance. In addition to the requirements of this Article, the policies of insurance for Commercial (Comprehensive) General Liability and Commercial (Comprehensive) Automobile Liability shall include an additional insured endorsement naming the County of DuPage, its officers and employees *Village of Lisle, Illinois State Toll Highway Authority* as additional insureds. The endorsements shall be on forms acceptable to the County of DuPage. This additional insured is to be on a primary and non-contributory basis and include a Waiver of Subrogation endorsement.

Employer's Liability insurance shall be in an amount not less than one million ($1,000,000.00) dollars each accident/injury and one million ($1,000,000.00) dollars each employee/disease.

Limits of Umbrella Excess Liability (over primary) shall not be less than an amount that in combination with Commercial General Liability totals $6,000,000 of liability insurance per occurrence. The Umbrella Excess Liability Policy shall include in the "Who is Insured" pages of the policy wording such as "Any other person or organization you have agreed in a written contract to provide additional insurance" or wording to that affect. The contractor shall provide a copy of said section of the excess/umbrella liability policy upon request by the County of DuPage.

The Contractor shall require all subcontractors to maintain the same insurance coverage required of the contractor. The County of DuPage retains the right to obtain evidence of subcontractor insurance coverage at any time.

Replace the second sentence of the second paragraph (third to last paragraph) of this article with the following: "It is the duty of the Contractor to immediately notify the County of DuPage if any insurance required under this contract has been cancelled, materially changed, or renewal has been refused, and the Contractor shall immediately suspend all work in progress and take the necessary steps to purchase, maintain and provide the required insurance coverage. If a suspension of work should occur due to insurance requirements, upon verification by the County of DuPage of the required insurance coverage, the County of DuPage shall notify the Contractor that the Contractor can proceed with the work that is a part of this contract. Failure to provide and maintain the required insurance coverage could result in the immediate cancellation of this contract, and the Contractor shall accept and bear all costs that may result from the cancellation of this contact due to Contractor's failure to provide and maintain the required insurance."

Article 107.36 Dust Control. Add the following to the second paragraph of this article:
"The Contractor will be required to have available a water truck or similar equipment to control dust. If necessary, the Contractor shall be required to control dust during non-working hours."

SECTION 108 PROSECUTION AND PROGRESS

Article 108.03 Prosecution of the Work. Revise the first sentence of this Article to read, "The Contractor shall not begin the work to be performed under the contract without written authorization from the DuPage County Division of Transportation to proceed with the work, and shall commence work not later than 10 days after receiving the authorization to proceed."

SECTION 109 MEASUREMENT AND PAYMENT

Article 109.08 Acceptance and Final Payment. Add the following to this Article: "Prior to final payment, an affidavit from the Contractor will be required."

SECTION 202 EARTH AND ROCK EXCAVATION

Add the following to Article 202.03:
"Excess material (broken concrete, culvert pipe, surplus material from sewer trenches, etc..) shall not be disposed of within the limits of the Right-Of-Way. It shall be the Contractor's responsibility to select dump sites and obtain permission and all necessary permits to use such dump sites."

SECTION 208 TRENCH BACKFILL

Revise Article 208.01 to read:
"208.01 Description. This work shall consist of furnishing aggregate for backfilling all trenches made in the subgrade of the proposed improvement, and all trenches where the inner edge of trench is within a zone extending at a 1H:1V slope from the proposed or existing edge of pavement, curb, gutter, curb and gutter, stabilized shoulder, sidewalk, or path."

Article 208.02 Materials. The use of stone screenings will not be permitted.

SECTION 280 TEMPORARY EROSION AND SEDIMENT CONTROL

Add the following to Article 280.08:
"Erosion control systems replaced due to sediment loading will be paid for at the applicable contract unit prices. Replacement of erosion control systems required due to the Contractor's action or inaction will not be paid for. The cost of removing sediment from erosion control systems shall be included in the contract unit price for the applicable erosion control item."

SECTION 311 GRANULAR SUBBASE

Article 311.02 Materials. The materials for Subbase Granular Material shall be restricted to crushed CA-6.

SECTION 440 REMOVAL OF EXISTING PAVEMENT AND APPURTENANCES

Article 440.07(B) Add the following to first paragraph of this article:
"When not provided as specific pay items, removal of existing aggregate or HMA pavements, including driveways and paths, shall not be measured for payment under Section 440, but shall be considered Earth Excavation and measured according to Article 202.07."

SECTION 550 STORM SEWERS

Article 550.02 Materials. All storm sewer pipe shall be reinforced concrete pipe, unless otherwise noted.

Article 550.06 Laying Sewer Pipe. Extensions to existing storm sewers shall meet either an existing bell or spigot or shall be supplied with a concrete collar, a mission band seal, or approved coupling. The cost of equipment, labor and materials to complete this work shall be included in the contract unit price for the storm sewer installed

SECTION 602 CATCH BASIN, MANHOLE, INLET, DRAINAGE STRUCTURE, VALVE VAULT CONSTRUCTION, ADJUSTMENT AND RECONSTRUCTION

Article 602.08 Steps. Omit steps in all structures.

Article 602.09 Wooden Baffles. Baffles are required where shown in the standard drawings. Non-wooden baffles may be substituted with the approval of the Engineer.

Article 602.10 Flat Slab Tops. Flat slab tops shall be provided when the depth, measured between the rim elevation and any invert elevation, is less than six feet.

Article 602.11 Furnishing and Placing Castings. Add the following: "Structures adjusted within the pavement where the pavement is removed to allow for adjustment shall be backfilled with Class SI Concrete

or as directed by the Engineer. Structures to be adjusted shall be completed in the outside travel lane and this lane opened to traffic prior to breaking out structures in the adjacent travel lane."

Article 602.16 Basis of Payment. The contract unit price each for Catch Basins, Manholes, Inlets, Drainage Structures or Valve Vaults will not include the cost of furnishing and installing the specified frames and grates, or lids. The cost of furnishing and installing the frames and grates or lids will be paid for at the contract unit price each in accordance with Section 604 of the Standard Specifications. The contract unit price each for Catch Basins to be Reconstructed, Manholes to be Reconstructed, Inlets to be Reconstructed, Drainage Structures to be Reconstructed or Valve Vaults to be Reconstructed shall include the removal and disposal and/or addition of full-diameter structure sections, flat-slab tops, or "cone" sections.

Adjustment or Reconstruction shall include the removal and replacement of all unsuitable two foot diameter adjusting rings.

Adjustment of domestic water valve boxes (Buffalo Boxes) shall not be paid for separately.

The cost of poured inverts in Manholes and Inlets shall be included in the cost of said structures.

SECTION 604 FRAMES, GRATES, AND MEDIAN INLETS

Add the following to Article 604.01 Description. Where closed lids are provided, they shall be furnished with 2-inch raised letters cast into the lid reading "RESTRICTOR", "SANITARY", "STORM", or "WATER" as appropriate.

SECTION 671 MOBILIZATION

Article 671.02 Basis of Payment. Revise this article to read: "Basis of Payment. This work will not be paid for separately, but shall be included in the various items of work."

SECTION 1105 PAVEMENT MARKING EQUIPMENT

Delete the last sentence of Article 1105.01(b).

CONSTRUCTION LAYOUT STAKES

In addition to the requirements of the SPECIAL PROVISION FOR CONSTRUCTION LAYOUT STAKES (Illinois Department of Transportation Check Sheet #10), the Contractor shall establish, monument, and tie all control points used to complete the work as specified (including all PI's, PC's, PT's, and POT's) after construction is complete.

The type of monumentation used will be PK nails, iron pipes, RR spikes or as approved by the Engineer.

DRAINAGE STRUCTURE TO BE ADJUSTED
DRAINAGE STRUCTURE TO BE RECONSTRUCTED

Description. This work shall consist of the adjustment or reconstruction of manholes, inlets, and catch basins in accordance with Section 602 of the Standard Specifications.

Construction Requirements. In addition to Section 602 of the Standard Specifications, the following shall apply:

Work completed under these items shall include the removal and disposal of unsuitable adjusting rings, brick, or block down to the top of the original structure and rebuilding the structure using adjusting rings, masonry brick or inlet block and setting the frame with grate or lid to finish grade.

Reconstruction shall also include the removal and disposal and/or addition of full-diameter structure sections, flat-slab tops, or "cone" sections.

Only Portland cement mortar shall be used.

The existing frames and grates not used in construction shall become the property of the Contractor and shall be disposed of outside the limits of the right-of-way.

The cost of pavement removal and replacement adjacent to drainage structures adjusted or reconstructed shall be included in the contract unit price for DRAINAGE STRUCTURE TO BE ADJUSTED or DRAINAGE STRUCTURE TO BE RECONSTRUCTED. The material used to replace the pavement shall be Class SI Concrete unless otherwise directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price EACH for DRAINAGE STRUCTURE TO BE ADJUSTED or DRAINAGE STRUCTURE TO BE RECONSTRUCTED.

DRAINAGE STRUCTURE TO BE REMOVED

Description. This work shall consist of the removal and disposal of existing manholes, catch basins and inlets.

Construction Requirements. The drainage structures shall be removed and disposed of as specified in Section 605 of the Standard Specifications and the GENERAL NOTES.
The excavated area shall be backfilled as specified in the plans and specifications.

Basis of Payment. This work will be paid for at the contract unit price per EACH for DRAINAGE STRUCTURE TO BE REMOVED.

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (project specific)

Description. This work shall consist of the removal and disposal of regulated substances according to Section 669 of the Standard Specifications as revised below.

Contract Specific Sites. The excavated soil and groundwater within the areas listed below shall be managed as either "uncontaminated soil", hazardous waste, special waste or non-special waste. For stationing, the lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit, whichever is less.

Soil Disposal Analysis. When the waste material requires sampling for landfill disposal acceptance, the Contractor shall secure a written list of the specific analytical parameters and analytical methods required by the landfill The Contractor shall collect and analyze the required number of samples for the parameters required by the landfill using the appropriate analytical procedures. A copy of the required parameters and analytical methods (from landfill email or on landfill letterhead) shall be provided as Attachment 4A of the BDE 2733 (Regulated Substances Final Construction Report). The price shall include all sampling materials and effort necessary for collection and management of the samples, including transportation of samples from the job site to the laboratory. The Contractor shall be responsible for determining the specific disposal facilities to be utilized; and collect and analyze any samples required for disposal facility acceptance using a NELAP certified analytical laboratory registered with the State of Illinois.

Site 4053-COV-3: ROW – 4000 Block of IL 53 (NW Quadrant of Intersection of IL 53 and Warrenville Road), Lisle, DuPage County

- Station 209+00 to Station 212+00 (measured as shown on construction plans), 0 to 15 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminants of concern sampling parameters: VOCs, SVOCs and Metals.

Work Zones

Three distinct OSHA HAZWOPER work zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within sites with documented leaking underground storage tank (LUST) incidents, or sites under management in accordance with the requirements of the Site Remediation Program (SRP), Resource Conservation and Recovery Act (RCRA), or Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or as deemed necessary. For this project, the work zones apply for the following ISGS PESA Sites**: None**

SAWCUT CURB

Description. This work shall consist of providing depressed curb openings for entrances or sidewalk ramps for the handicapped as shown in Highway Standard 424001, or depressed curb in advance and adjacent to Traffic Barrier Terminal, Type 1 Special. The work may be completed by the complete removal and replacement of the curb (or curb and gutter) as shown in Highway Standard 606001 or by an acceptable sawcut method. If the contractor elects to use a sawcut method, the method must be approved by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for SAWCUT CURB.

STORM SEWER AND PIPE CULVERT REMOVAL

Description. This work shall consist of the removal and disposal of existing storm sewers, including laterals and pipe culverts, including headwalls and end sections.

Construction Requirements. The pipe culverts and storm sewers shall be removed and disposed of as specified in Sections 501 and 551 of the Standard Specifications and the GENERAL NOTES.

The trenches resulting from the removal of the storm sewers and culverts shall be backfilled in accordance with Article 550.07 of the Standard Specifications.

Basis of Payment. This work will be paid at the contract unit price per foot (meter) for STORM SEWER AND PIPE CULVERT REMOVAL, measured as removed.

Trench Backfill will be paid for in accordance with Article 208.04 of the Standard Specifications.

TEMPORARY STONE

Description. This work shall consist of furnishing, placing, salvaging, and maintaining aggregate for temporary roads and approaches as shown on the plans or as directed by the Engineer. The Engineer may require Temporary Stone to be relocated for use at more than one location.

Materials. The material for this item shall be restricted to CA-1, CA-5, or CA-6.

Maintenance. The Contractor shall be required to maintain the Temporary Stone to the satisfaction of the Engineer during the construction period

Salvage. The Contractor shall, when required by the Engineer or the sequence of operations, salvage for re-use at the same or other locations within the limits of construction, previously placed Temporary Stone.

Basis of Payment. This work will be paid for at the contract unit price per ton (metric ton) for TEMPORARY STONE. The contract unit price shall include all equipment, labor and materials necessary to complete this work as specified including the cost of removing and disposing of the material used for Temporary Stone.

TEST HOLE

Description. This item shall consist of excavation for the purpose of locating existing utilities at locations where conflict is possible with the proposed construction.

Construction Requirements. Test holes shall be dug at locations authorized by the Engineer. The

Contractor shall be responsible for notifying the utility concerned.

The test hole shall be of a size and depth sufficient to identify and establish the location of the existing utility. Utility damage by the Contractor shall be repaired at the expense of the Contractor.

After the location of the utility has been verified by the Engineer, the test hole shall be backfilled with either the excavated material or Trench Backfill, as directed by the Engineer. Any excess material shall be disposed of in accordance with Article 202.03 of the Standard Specifications and the General Notes.

Basis of Payment. This work will be paid for at the contract unit price each for TEST HOLE.
Trench Backfill will be paid for in accordance with Article 208.04 of the Standard Specifications.

TRAFFIC CONTROL AND PROTECTION

Description: The traffic control and protection for this project shall be performed in accordance with the plans, project Traffic Control Plan and Section 701 of the Standard Specifications as amended by the Special Provision for the Work Zone Traffic Control (Illinois Department of Transportation Check Sheet #LRS 3).

The furnishing, placing, and removal of material, or any temporary concrete barrier and impact attenuators not shown on the plans but required in order to meet the drop off requirements shall be included in the contract unit price for Traffic Control and Protection, (Special).

The cost of supplying, erecting, and maintaining barricade, warning lights, and signs will be included in the contract unit price for Traffic Control and Protection, (Special).

Details: All Construction signs used shall meet the MUTCD, IDOT Highway Traffic Control Standards and Standard Specifications for Roadway and Bridge Construction Specifications for size, distances and placement. If at any time the signs are in place but not applicable, they shall either be removed, knocked face down to the ground, turned from the view of motorists or covered as directed by the Engineer.

At the preconstruction meeting, the Contractor shall furnish the name and 24 hour contact information of the individual in its direct employ who is to be responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the Contractor of the requirement to have a responsible individual in its direct employ supervise this work. The Engineer will provide the Contractor the name of its representative who will be responsible for the administration of the Traffic Control Plan.

Method of Measurement: Traffic Control and Protection, (Special) will not be measured by location or per Standard.

Basis of Payment: The cost of Traffic Control and Protection, (Special) provided with the plans, Traffic Control Plan and Section 701 WORK ZONE TRAFFIC CONTROL will be paid for at the contract LUMP SUM price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

TRAFFIC CONTROL PLAN

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the Engineer at least 72 hours in advance of beginning work.

STANDARDS:
701011-05 Off-Rd Operations, Multilane, 15’ (4.5m) to 24” (600mm) from Pavement Edge
701106-02 Off-Rd Operations, Multilane, more than 15’ (4.5m) away
701601-09 Urban Lane Closure, Multilane, 1W or 2W with Non traversable Median
701701-10 Urban Lane Closure, Multilane Intersection
701801-06 Sidewalk, Corner or Crosswalk Closure
701901-08 Traffic Control Devices

DETAILS:
TC-13 District One Typical Pavement Markings
TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
TC-22 Arterial Road Information Sign

SPECIAL PROVISIONS:
TEMPORARY INFORMATION SIGNING (D-1)
PUBLIC CONVENIENCE AND SAFETY (D-1)
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

MAINTENANCE OF ROADWAYS (D-1)

Effective: September 30, 1985
Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

PUBLIC CONVENIENCE AND SAFETY (D-1)

Effective: May 1, 2012
Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

"If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

"The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

"On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical."

TEMPORARY INFORMATION SIGNING (D-1)

Effective: November 13, 1996
Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	Item	Article/Section
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.
This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.
This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

TOLLWAY PERMIT AND BOND (D-1)
Effective: January 13, 1989

The Contractor will be required to obtain a permit from the Illinois State Toll Highway Authority (ISTHA) according to Article 107.04 of the Standard Specifications prior to initiating any lane closures on the Tollway or doing any work on the ISTHA right of way. As part of the permit, the Contractor will be required to post a surety bond with the ISTHA and meet insurance requirements.

The Contractor will furnish a copy of the authorized permit to the Engineer. No permit fee will be charged.

- CHECK SHEET FOR RECURRING SPECIAL PROVISIONS
- CHECKSHEET FOR LOCAL ROADS AND STREETS SPECIAL PROVISIONS
- LOCAL ROADS SPECIAL PROVISIONS
- BDE SPECIAL PROVISIONS

Illinois Department of Transportation

Check Sheet for Recurring Special Provisions

Print With Instructions | Reset Form

Local Public Agency	County	Section Number
County of DuPage	DuPage	20-SDWLK-05-SW

☐ **Check this box for lettings prior to 01/01/2022.**

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

	Check Sheet #		Reference Page No.
1	☐	Additional State Requirements for Federal-Aid Construction Contracts	1
2	☐	Subletting of Contracts (Federal-Aid Contracts)	4
3	☐	EEO	5
4	☐	Specific EEO Responsibilities Non Federal-Aid Contracts	15
5	☐	Required Provisions - State Contracts	20
6	☐	Asbestos Bearing Pad Removal	26
7	☐	Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	27
8	☐	Temporary Stream Crossings and In-Stream Work Pads	28
9	☑	Construction Layout Stakes	29
10	☐	Use of Geotextile Fabric for Railroad Crossing	32
11	☐	Subsealing of Concrete Pavements	34
12	☐	Hot-Mix Asphalt Surface Correction	38
13	☐	Pavement and Shoulder Resurfacing	40
14	☐	Patching with Hot-Mix Asphalt Overlay Removal	41
15	☐	Polymer Concrete	43
16	☐	PVC Pipeliner	45
17	☐	Bicycle Racks	46
18	☐	Temporary Portable Bridge Traffic Signals	48
19	☐	Nighttime Inspection of Roadway Lighting	50
20	☐	English Substitution of Metric Bolts	51
21	☐	Calcium Chloride Accelerator for Portland Cement Concrete	52
22	☐	Quality Control of Concrete Mixtures at the Plant	53
23	☑	Quality Control/Quality Assurance of Concrete Mixtures	61
24	☐	Digital Terrain Modeling for Earthwork Calculations	77
25	☐	Preventive Maintenance - Bituminous Surface Treatment (A-1)	79
26	☐	Temporary Raised Pavement Markers	85
27	☐	Restoring Bridge Approach Pavements Using High-Density Foam	86
28	☐	Portland Cement Concrete Inlay or Overlay	89
29	☐	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	93
30	☐	Longitudinal Joint and Crack Patching	96
31	☐	Concrete Mix Design - Department Provided	98
32	☐	Station Numbers in Pavements or Overlays	99

Local Public Agency	County	Section Number
County of DuPage	DuPage	20-SDWLK-05-SW

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

	Check Sheet #		Page No.
LRS 1		**Reserved**	101
LRS 2	☐	Furnished Excavation	102
LRS 3	☑	Work Zone Traffic Control Surveillance	103
LRS 4	☑	Flaggers in Work Zones	104
LRS 5	☑	Contract Claims	105
LRS 6	☑	Bidding Requirements and Conditions for Contract Proposals	106
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	112
LRS 8		**Reserved**	118
LRS 9	☐	Bituminous Surface Treatments	119
LRS 10		**Reserved**	123
LRS 11	☑	Employment Practices	124
LRS 12	☑	Wages of Employees on Public Works	126
LRS 13	☑	Selection of Labor	128
LRS 14	☐	Paving Brick and Concrete Paver Pavements and Sidewalks	129
LRS 15	☑	Partial Payments	132
LRS 16	☑	Protests on Local Lettings	133
LRS 17	☑	Substance Abuse Prevention Program	134
LRS 18	☐	Multigrade Cold Mix Asphalt	135
LRS 19	☐	Reflective Crack Control Treatment	136

DuPage County Prevailing Wage Rates posted on 1/18/2023

						Overtime								
Trade Title	**Rg**	**Type**	**C**	**Base**	**Foreman**	**M-F**	**Sa**	**Su**	**Hol**	**H/W**	**Pension**	**Vac**	**Trng**	**Other Ins**
ASBESTOS ABT-GEN	All	ALL		47.40	48.40	1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		39.60	42.77	1.5	1.5	2.0	2.0	14.77	13.59	0.00	0.86	
BOILERMAKER	All	BLD		53.66	58.48	2.0	2.0	2.0	2.0	6.97	23.69	0.00	2.67	
BRICK MASON	All	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10	
CARPENTER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
CEMENT MASON	All	ALL		49.75	51.75	2.0	1.5	2.0	2.0	17.08	20.74	0.00	1.00	
CERAMIC TILE FINISHER	All	BLD		44.18	44.18	1.5	1.5	2.0	2.0	12.25	14.77	0.00	1.00	
CERAMIC TILE LAYER	All	BLD		51.44	55.44	1.5	1.5	2.0	2.0	12.25	18.48	0.00	1.08	
COMMUNICATION TECHNICIAN	All	BLD		35.92	38.72	1.5	1.5	2.0	2.0	13.60	24.04	3.20	0.83	
ELECTRIC PWR EQMT OP	All	ALL		47.56	64.89	1.5	1.5	2.0	2.0	7.00	13.32	0.00	1.19	1.43
ELECTRIC PWR GRNDMAN	All	ALL		36.53	64.89	1.5	1.5	2.0	2.0	7.00	10.23	0.00	0.92	1.10
ELECTRIC PWR LINEMAN	All	ALL		57.17	64.89	1.5	1.5	2.0	2.0	7.00	16.01	0.00	1.43	1.72
ELECTRIC PWR TRK DRV	All	ALL		37.86	64.89	1.5	1.5	2.0	2.0	7.00	10.61	0.00	0.95	1.14
ELECTRICIAN	All	BLD		43.08	47.33	1.5	1.5	2.0	2.0	13.60	27.57	7.13	1.20	
ELEVATOR CONSTRUCTOR	All	BLD		62.47	70.28	2.0	2.0	2.0	2.0	16.03	20.21	5.00	0.65	
FENCE ERECTOR	NE	ALL		46.89	48.89	1.5	1.5	2.0	2.0	13.68	17.42	0.00	0.75	
FENCE ERECTOR	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
GLAZIER	All	BLD		48.75	50.25	1.5	2.0	2.0	2.0	15.19	24.43	0.00	1.70	
HEAT/FROST INSULATOR	All	BLD		52.80	55.97	1.5	1.5	2.0	2.0	14.77	16.76	0.00	0.86	
IRON WORKER	E	ALL		55.81	57.81	2.0	2.0	2.0	2.0	16.05	25.31	0.00	0.49	
IRON WORKER	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
LABORER	All	ALL		47.40	48.15	1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
LATHER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
MACHINIST	All	BLD		53.18	57.18	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47	
MARBLE FINISHER	All	ALL		38.00	51.41	1.5	1.5	2.0	2.0	12.10	19.60	0.00	0.60	
MARBLE SETTER	All	BLD		48.96	53.86	1.5	1.5	2.0	2.0	12.10	21.03	0.00	0.78	
MATERIAL TESTER I	All	ALL		37.40		1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
MATERIALS TESTER II	All	ALL		42.40		1.5	1.5	2.0	2.0	17.05	15.21	0.00	0.90	
MILLWRIGHT	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
OPERATING ENGINEER	All	BLD	1	55.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	2	53.80	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	

OPERATING ENGINEER	All	BLD	3	51.25	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	4	49.50	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	5	58.85	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	6	56.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	BLD	7	58.10	59.10	2.0	2.0	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	FLT		41.00	41.00	1.5	1.5	2.0	2.0	20.90	17.85	2.00	2.15	
OPERATING ENGINEER	All	HWY	1	53.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	2	52.75	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	3	50.70	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	4	49.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	5	48.10	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	6	56.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
OPERATING ENGINEER	All	HWY	7	54.30	57.30	1.5	1.5	2.0	2.0	22.15	19.30	2.00	2.55	
ORNAMENTAL IRON WORKER	E	ALL		53.32	55.82	2.0	2.0	2.0	2.0	14.23	25.00	0.00	1.75	
ORNAMENTAL IRON WORKER	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
PAINTER	All	ALL		50.30	52.30	1.5	1.5	1.5	2.0	19.73	4.15	0.00	1.55	
PAINTER - SIGNS	All	BLD		41.55	46.67	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00	
PILEDRIVER	All	ALL		52.01	54.01	1.5	1.5	2.0	2.0	11.79	24.76	1.50	0.80	
PIPEFITTER	All	BLD		53.00	56.00	1.5	1.5	2.0	2.0	11.85	22.85	0.00	2.92	
PLASTERER	All	BLD		49.85	52.84	1.5	1.5	2.0	2.0	12.10	21.48	0.00	1.09	
PLUMBER	All	BLD		54.80	58.10	1.5	1.5	2.0	2.0	16.70	17.04	0.00	1.58	
ROOFER	All	BLD		48.00	53.00	1.5	1.5	2.0	2.0	11.83	15.26	0.00	0.99	
SHEETMETAL WORKER	All	BLD		53.33	56.00	1.5	1.5	2.0	2.0	11.85	19.43	0.00	1.59	2.54
SPRINKLER FITTER	All	BLD		54.55	57.30	1.5	1.5	2.0	2.0	14.20	18.70	0.00	0.75	
STEEL ERECTOR	E	ALL		55.81	57.81	2.0	2.0	2.0	2.0	16.05	25.31	0.00	0.49	
STEEL ERECTOR	W	ALL		48.83	52.74	2.0	2.0	2.0	2.0	13.31	25.25	0.00	1.28	
STONE MASON	All	BLD		49.81	54.79	1.5	1.5	2.0	2.0	12.10	21.56	0.00	1.10	
TERRAZZO FINISHER	All	BLD		45.57	45.57	1.5	1.5	2.0	2.0	12.25	17.14	0.00	1.03	
TERRAZZO MECHANIC	All	BLD		49.41	52.91	1.5	1.5	2.0	2.0	12.25	18.60	0.00	1.07	
TRAFFIC SAFETY WORKER I	All	HWY		39.30	40.90	1.5	1.5	2.0	2.0	9.65	9.10	0.00	0.10	
TRAFFIC SAFETY WORKER II	ALL	HWY		40.30	41.90	1.5	1.5	2.0	2.0	9.65	9.10	0.00	0.10	
TRUCK DRIVER	All	ALL	1	41.06	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15	
TRUCK DRIVER	All	ALL	2	41.21	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15	
TRUCK DRIVER	All	ALL	3	41.41	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15	
TRUCK DRIVER	All	ALL	4	41.61	41.61	1.5	1.5	2.0	2.0	10.83	14.15	0.00	0.15	
TUCKPOINTER	All	BLD		49.53	50.53	1.5	1.5	2.0	2.0	9.04	21.06	0.00	1.07	

Legend
Rg Region
Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers
C Class
Base Base Wage Rate
OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.
OT Sa Overtime pay required for every hour worked on Saturdays
OT Su Overtime pay required for every hour worked on Sundays
OT Hol Overtime pay required for every hour worked on Holidays
H/W Health/Welfare benefit
Vac Vacation
Trng Training
Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

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.

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.

TRAFFIC SAFETY Worker I

Traffic Safety Worker I - work associated with the delivery, installation, pick-up and servicing of safety devices during periods of roadway construction, including such work as set-up and maintenance of barricades, barrier wall reflectors, drums, cones, delineators, signs, crash attenuators, glare screen and other such items, and the layout and application or removal of conflicting and/or temporary roadway markings utilized to control traffic in construction zones, as well as flagging for these operations.

TRAFFIC SAFETY WORKER II

Work associated with the installation and removal of permanent pavement markings and/or pavement markers including both installations performed by hand and installations performed by truck.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines;

Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro

Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yeards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the

mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

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.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

BDE SPECIAL PROVISIONS
For the January 20, 2023 and March 10, 2023 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
80099	1	☑	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274	2	☐	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192	3	☐	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	☐	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426	5	☐	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
80436	6	☑	Blended Finely Divided Minerals	April 1, 2021	
* 80241	7	☐	Bridge Demolition Debris	July 1, 2009	
* 5053I	8	☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 5026I	9	☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80384	10	☑	Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	11	☐	Completion Date (via calendar days)	April 1, 2008	
* 80199	12	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80261	13	☑	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80434	14	☐	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
* 80029	15	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
80229	16	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80447	17	☐	Grading and Shaping Ditches	Jan. 1, 2023	
80433	18	☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80443	19	☐	High Tension Cable Median Barrier Removal	April 1, 2022	
80446	20	☐	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	
80438	21	☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	Sept. 2, 2021
80045	22	☐	Material Transfer Device	June 15, 1999	Jan. 1, 2022
80441	23	☐	Performance Graded Asphalt Binder	Jan. 1, 2023	
* 3426I	24	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80445	25	☐	Seeding	Nov. 1, 2022	
80340	26	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	27	☐	Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397	28	☐	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	29	☑	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80437	30	☐	Submission of Payroll Records	April 1, 2021	Nov. 1, 2022
80435	31	☐	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
80410	32	☐	Traffic Spotters	Jan. 1, 2019	
* 20338	33	☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429	34	☐	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	35	☑	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80440	36	☐	Waterproofing Membrane System	Nov. 1, 2021	
80302	37	☐	Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
80427	38	☑	Work Zone Traffic Control Devices	Mar. 2, 2020	
* 80071	39	☑	Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

File Name	Special Provision Title	Effective	Revised
5048I	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010

The following special provisions are in the 2023 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80293	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	Articles 540.04 & 540.06	April 1, 2012	July 1, 2016
80311	Concrete End Sections for Pipe Culverts	Articles 540.07, 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2013	April 1, 2016
80422	High Tension Cable Median Barrier	Articles 644.02, 644.05, 782.01, 782.04, 782.07 & 1097.02	Jan. 1, 2020	Jan. 1, 2022
80442	Hot-Mix Asphalt	Articles 1030.09 & 1030.10	Jan. 1, 2022	Aug. 1, 2022
80444	Hot-Mix Asphalt – Patching	Errata – Article 442.08(b)	April 1, 2022	
80411	Luminaires, LED	Articles 801.05(a), 821.02(d), 821.03, 821.08 & 1067.01-1067.06	April 1, 2019	Jan. 1, 2022
80418	Mechanically Stabilized Earth Retaining Walls	Articles 1003.07 & 1004.06	Nov. 1, 2019	Nov. 1, 2020
80430	Portland Cement Concrete – Haul Time	Article 1020.11(a)(7)	July 1, 2020	
80395	Sloped Metal End Section for Pipe Culverts	Articles 540.07, 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2018	
80318	Traversable Pipe Grate for Concrete End Sections	Articles 540.04, 540.07, 540.08 & 542.01, 542.02, 542.07, 542.11 & 542.12	Jan. 1, 2013	Jan. 1, 2018

ACCESSIBLE PEDESTRIAN SIGNALS (APS) (BDE)

Effective: April 1, 2003
Revised: January 1, 2022

Description. This work shall consist of furnishing and installing accessible pedestrian signals (APS). Each APS shall consist of an interactive vibrotactile pedestrian pushbutton with speaker, an informational sign, a light emitting diode (LED) indicator light, a solid-state electronic control board, a power supply, wiring, and mounting hardware. The APS shall meet the requirements of the MUTCD and Sections 801 and 888 of the Standard Specifications, except as modified herein.

Electrical Requirements. The APS shall operate with systems providing 95 to 130 VAC, 60 Hz and throughout an ambient air temperature range of -29 to +160 °F (-34 to +70 °C).

The APS shall contain a power protection circuit consisting of both fuse and transient protection.

Audible Indications. A pushbutton locator tone shall sound at each pushbutton and shall be deactivated during the associated walk indication and when associated traffic signals are in flashing mode. Pushbutton locator tones shall have a duration of 0.15 seconds or less and shall repeat at 1-second intervals. Each actuation of the pushbutton shall be accompanied by the speech message "Wait".

If two accessible pedestrian pushbuttons are placed less than 10 ft (3 m) apart or placed on the same pole, the audible walk indication shall be a speech walk message. This message shall sound throughout the WALK interval only. The verbal message shall be modeled after: "'Street Name.' Walk Sign is on to cross "Street Name'." For signalized intersections utilizing exclusive pedestrian phasing, the verbal message shall be "Walk sign is on for all crossings". In addition, a speech pushbutton information message shall be provided by actuating the APS pushbutton when the WALK interval is not timing. This verbal message shall be modeled after: "Wait. Wait to cross 'Street Name' at 'Street Name'".

Where two accessible pedestrian pushbuttons are separated by at least 10 ft (3 m), the walk indication shall be an audible percussive tone. It shall repeat at 8 to 10 ticks per second with a dominant frequency of 880 Hz.

Automatic volume adjustments in response to ambient traffic sound level shall be provided up to a maximum volume of 100 dBA. Locator tone and verbal messages shall be no more than 5 dB louder than ambient sound.

At locations with railroad interconnection, an additional speech message stating "Walk time shortened when train approaches" shall be used after the speech walk message. At locations with emergency vehicle preemption, an additional speech message "Walk time shortened when emergency vehicle approaches" shall be used after the speech walk message.

Pedestrian Pushbutton. Pedestrian pushbuttons shall be at least 2 in. (50 mm) in diameter or width. The force required to activate the pushbutton shall be no greater than 3.5 lb (15.5 N).

A red LED shall be located on or near the pushbutton which, when activated, acknowledges the pedestrians request to cross the street.

Signage. A sign shall be located immediately above the pedestrian pushbutton and parallel to the crosswalk controlled by the pushbutton. The sign shall conform to one of the following standard MUTCD designs: R10-3, R10-3a, R10-3e, R10-3i, R10-4, and R10-4a.

Tactile Arrow. A tactile arrow, pointing in the direction of travel controlled by a pushbutton, shall be provided on the pushbutton.

Vibrotactile Feature. The pushbutton shall pulse when depressed and shall vibrate continuously throughout the WALK interval.

Method of Measurement. This work will be measured for payment as each, per pushbutton.

Basis of Payment. This work will be paid for at the contract unit price per each for ACCESSIBLE PEDESTRIAN SIGNALS.

80099

BLENDED FINELY DIVIDED MINERALS (BDE)

Effective: April 1, 2021

Revise the second paragraph of Article 1010.01 of the Standard Specifications to read:

"Different sources or types of finely divided minerals shall not be mixed or used alternately in the same item of construction, except as a blended finely divided mineral product according to Article 1010.06."

Add the following article to Section 1010 of the Standard Specifications:

"**1010.06 Blended Finely Divided Minerals.** Blended finely divided minerals shall be the product resulting from the blending or intergrinding of two or three finely divided minerals. Blended finely divided minerals shall be according to ASTM C 1697, except as follows.

(a) Blending shall be accomplished by mechanically or pneumatically intermixing the constituent finely divided minerals into a uniform mixture that is then discharged into a silo for storage or tanker for transportation.

(b) The blended finely divided mineral product will be classified according to its predominant constituent or the manufacturer's designation and shall meet the chemical requirements of its classification. The other finely divided mineral constituent(s) will not be required to conform to their individual standards."

80436

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017
Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

"(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

(1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.

(2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.

(3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days."

Revise Article 107.40(c) of the Standard Specifications to read:

"(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

(1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

(2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

(3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

(1) When adverse weather prevents work on the controlling item.

(2) When job conditions due to recent weather prevent work on the controlling item.

(3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.

(4) When delays caused by utility or railroad adjustments prevent work on the controlling item.

(5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.

(6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

"(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited."

Add the following to Section 109 of the Standard Specifications.

"**109.13 Payment for Contract Delay.** Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

(a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.

(b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.

(1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to $5,000,000	One Project Superintendent
Over $ 5,000,000 - up to $25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over $25,000,000 - up to $50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over $50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 [1/]	600-749	2002
	750 and up	2006
June 1, 2011 [2/]	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 [2/]	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017
Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

"This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than $10,000	25%
$10,000 to less than $20,000	20%
$20,000 to less than $40,000	18%
$40,000 to less than $60,000	16%
$60,000 to less than $80,000	14%
$80,000 to less than $100,000	12%
$100,000 to less than $250,000	10%
$250,000 to less than $500,000	9%
$500,000 to $750,000	8%
Over $750,000	7%"

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021
Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

"The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations."

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports .....1106.02"

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

"For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer's specifications."

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

"**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer's self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device."

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

"**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact

attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019."

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

"(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department's qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis."

80427

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 20 working days.

80071

- **TRAFFIC SIGNAL SPECIAL PROVISIONS**

TRAFFIC SIGNAL SPECIAL PROVISIONS

TABLE OF CONTENTS

PAGE

TRAFFIC SIGNAL GENERAL REQUIREMENTS
Effective: May 22, 2002
Revised: March 25, 2016
800.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

These Traffic Signal Special Provisions and the "District One Standard Traffic Signal Design Details" supplement the requirements of the State of Illinois "Standard Specifications for Road and Bridge Construction." The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations.

- All material furnished shall be new unless otherwise noted herein.
- Traffic signal construction and maintenance work shall be performed by personnel holding current IMSA Traffic Signal Technician Level II certification. A copy of the certification shall be immediately available upon request of the Engineer.
- The work to be done under this contract consists of furnishing, installing, and maintaining all traffic signal work and items as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Definitions of Terms.

Add the following to Section 101 of the Standard Specifications:

101.56 Vendor. Company that sells a particular type of product directly to the contractor or the Equipment Supplier.

101.57 Equipment supplier. Company that supplies, represents and provides technical support for IDOT District One approved traffic signal controllers and other related equipment. The Equipment Supplier shall be located within IDOT District One and shall:

- Be full service with on-site facilities to assemble, test and trouble-shoot traffic signal controllers and cabinet assemblies.
- Maintain an inventory of IDOT District One approved controllers and cabinets.
- Be staffed with permanent sales and technical personnel able to provide traffic signal controller and cabinet expertise and support.
- Technical staff shall hold current IMSA Traffic Signal Technician Level III certification and shall attend traffic signal turn-ons and inspections with a minimum 14 calendar day notice.

Submittals.

Revise Article 801.05 of the Standard Specifications to read:

All material approval requests shall be submitted electronically through the District's SharePoint System unless directed otherwise by the Engineer. Electronic material submittals shall follow the District's Traffic Operations Construction Submittals guidelines. General requirements include:

1. All material approval requests shall be made prior to or no later than the date of the preconstruction meeting. A list of major traffic signal items can be found in Article 801.05. Material or equipment which is similar or identical shall be the product of the same manufacturer, unless necessary for system continuity. Traffic signal materials and equipment shall bear the U.L. label whenever such labeling is available.

2. Product data and shop drawings shall be assembled by pay item. Only the top sheet of each pay item submittal will be stamped by the Department with the review status, except shop drawings for mast arm pole assemblies and the like will be stamped with the review status on each sheet.

3. Original manufacturer published product data and shop drawing sheets with legible dimensions and details shall be submitted for review.

4. When hard copy submittals are necessary, four complete copies of the manufacturer's descriptive literatures and technical data for the traffic signal materials shall be submitted. For hard copy or electronic submittals, the descriptive literature and technical data shall be adequate for determining whether the materials meet the requirements of the plans and specifications. If the literature contains more than one item, the Contractor shall indicate which item or items will be furnished.

5. When hard copy submittals are necessary for structural elements, four complete copies of the shop drawings for the mast arm assemblies and poles, and the combination mast arm assemblies and poles showing, in detail, the fabrication thereof and the certified mill analyses of the materials used in the fabrication, anchor rods, and reinforcing materials shall be submitted.

6. Partial or incomplete submittals will be returned without review.

7. Certain non-standard mast arm poles and special structural elements will require additional review from IDOT's Central Office. Examples include ornamental/decorative, non-standard length mast arm pole assemblies and monotube structures. The Contractor shall account for the additional review time in his schedule.

8. The contract number or permit number, project location/limits and corresponding pay code number must be on each sheet of correspondence, catalog cuts and mast arm poles and assemblies drawings.

9. Where certifications and/or warranties are specified, the information submitted for approval shall include certifications and warranties. Certifications involving inspections and/or tests of material shall be complete with all test data, dates, and times.

10. After the Engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status as 'Approved', 'Approved-As-Noted', 'Disapproved', or 'Incomplete'. Since the Engineer's review is for conformance with the design concept only, it is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop, working, layout drawings, or other documents by the Department's approval thereof. The Contractor must still be in full compliance with contract and specification requirements.

11. The Contractor shall secure approved materials in a timely manner to assure construction schedules are not delayed.

12. All submitted items reviewed and marked 'APPROVED AS NOTED', 'DISAPPROVED', or 'INCOMPLETE' are to be resubmitted in their entirety, unless otherwise indicated within the submittal comments, with a disposition of previous comments to verify contract compliance at no additional cost to the contract.

13. Exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is

superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.

14. Contractor shall not order major equipment such as mast arm assemblies prior to Engineer approval of the Contractor marked proposed traffic signal equipment locations to assure proper placement of contract required traffic signal displays, push buttons and other facilities. Field adjustments may require changes in proposed mast arm length and other coordination.

Marking Proposed Locations.

Revise "Marking Proposed Locations for Highway Lighting System" of Article 801.09 to read "Marking Proposed Locations for Highway Lighting System and Traffic Signals."

Add the following to Article 801.09 of the Standard Specifications:

It shall be the Contractor's responsibility to verify all dimensions and conditions existing in the field prior to ordering materials and beginning construction. This shall include locating the mast arm foundations and verifying the mast arms lengths.

Inspection of Electrical Systems.

Add the following to Article 801.10 of the Standard Specifications:

(c) All cabinets including temporary traffic signal cabinets shall be assembled by an approved equipment supplier in District One. The Department reserves the right to request any controller and cabinet to be tested at the equipment supplier's facility prior to field installation, at no extra cost to this contract.

Maintenance and Responsibility.

Revise Article 801.11 of the Standard Specifications to read:

a. Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, County, Private Developer, Municipality or Transit Agency in which they are located. Once the Contractor has begun any work on any portion of the project, all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation," "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation," shall become the full responsibility of the Contractor. The Contractor shall supply the Engineer, Area Traffic Signal Maintenance and Operations Engineer, IDOT ComCenter and the Department's Electrical Maintenance Contractor with two 24-hour emergency contact names and telephone numbers.

b. Automatic Traffic Enforcement equipment such as red lighting running, and railroad crossing camera systems are owned and operated by others and the Contractor shall not be responsible for maintaining this equipment.

c. Regional transit, county, and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.

d. When the project has a pay item for "Maintenance of Existing Traffic Signal Installation," "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation," the Contractor must notify both the Area Traffic Signal Maintenance and Operations Engineer at (847) 705-4424 and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. The Department will attempt to fulfill the Contractor's inspection date request(s), however workload and other conditions may prevent the Department from accommodating specific dates or times. The Contractor shall not be entitled to any other compensation if the requested inspection date(s) cannot be scheduled by the Department. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection, otherwise the traffic signal installation will not be accepted.

e. The Contractor is advised that the existing and/or temporary traffic signal installation must remain in operation during all construction stages, except for the most essential down time. Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

f. The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals and other equipment noted herein. Any inquiry, complaint, or request by the Department, the Department's Electrical Maintenance Contractor, or the public shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of $1,000 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of $1,000 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department may inspect any signalizing device on the Department's highway system at any time without notification.

g. Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings, which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

h. The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display or access to traffic signal equipment.

i. The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries. Temporary power to critical locations shall not be paid for separately but shall be included in the contract.

Damage to Traffic Signal System.

Add the following to Article 801.12(b) of the Standard Specifications:

Any traffic signal control equipment damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices are only allowed at the bases of post and mast arms.

Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement company per Permit agreement.

Traffic Signal Inspection (TURN-ON).

Revise Article 801.15(b) of the Standard Specifications to read:

It is the intent to have all electric work completed and equipment field tested by the Equipment Supplier prior to the Department's "turn-on" field inspection. In the event the Engineer determines work is not complete and the inspection will require more than two (2) hours to complete, the inspection shall be canceled, and the Contractor will be required to reschedule at another date. The maintenance of the traffic signals will not be accepted until all punch list work is corrected and re-inspected.

When the road is open to traffic, except as otherwise provided in Section 850 of the Standard Specifications, the Contractor may request a turn-on and inspection of the completed traffic signal installation at each separate location. This request must be made to the Area Traffic Signal Maintenance and Operations Engineer at (847) 705-4424 a minimum of seven (7) working days prior to the time of the requested inspection. The Department will attempt to fulfill the Contractor's turn-on and inspection date request(s); however, workload and other conditions may prevent the Department from accommodating specific dates or times. The Contractor shall not be entitled to any other compensation if the requested turn-on and inspection date(s) cannot be scheduled by the Department. The Department will not grant a field inspection until written or electronic notification is provided from the Contractor that the equipment has been field-tested and the intersection is operating according to Contract requirements. The Contractor must invite local fire department personnel to the turn-on when Emergency Vehicle Preemption (EVP) is included in the project. When the contract includes the item RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, OPTIMIZE TRAFFIC SIGNAL

SYSTEM, or TEMPORARY TRAFFIC SIGNAL TIMINGS, the Contractor must notify the SCAT Consultant of the turn-on/detour implementation schedule, as well as stage changes and phase changes during construction.

The Contractor must have all traffic signal work completed and the electrical service installation connected by the utility company prior to requesting an inspection and turn-on of the traffic signal installation. The Contractor shall be responsible to provide a police officer to assist with traffic control at the time of testing.

The Contractor shall provide a representative from the control equipment vendor's office who is knowledgeable of the cabinet design and controller functions to attend the traffic signal inspection for both permanent and temporary traffic signal turn-ons.

Upon demonstration that the signals are operating, and all work is completed in accordance with the Contract and to the satisfaction of the Engineer, the Engineer will then allow the signals to be placed in continuous operation. The Agency that is responsible for the maintenance of each traffic signal installation will assume the maintenance upon successful completion of this inspection.

The District requires the following Final Project Documentation from the Contractor at traffic signal turn-ons in electronic format in addition to hard copies where noted. A CD/DVD shall be submitted with separate folders corresponding to each numbered title below. The CD/DVD shall be labelled with date, project location, company and contract or permit number. Record Drawings, Inventory and Material Approvals shall be submitted prior to traffic signal turn-on for review by the Department as described herein.

Final Project Documentation:

1. Record Drawings. Signal plans of record with field revisions marked in red ink. One hard copy set of 11" x 17" record drawings shall also be provided.
2. Inventory. Inventory of new and existing traffic signal equipment, including cabinet types and devices within cabinets, in an Excel spread sheet format. One hard copy shall also be provided.
3. Pictures. Digital pictures a minimum of 12-megapixel resolution of each intersection approach showing all traffic signal displays and equipment. Pictures shall include controller cabinet equipment in enough detail to clearly identify manufacturer and model of major equipment.
4. Field Testing. Written notification from the Contractor and the equipment vendor of satisfactory field testing with corresponding material performance measurements, such as for detector loops and fiber optic systems (see Article 801.13). One hard copy of all contract-required performance measurement testing shall also be provided.
5. Materials Approval. The material approval letter. A hard copy shall also be provided.
6. Manuals. Operation and service manuals of the signal controller and associated control equipment. One hard copy shall also be provided.
7. Cabinet Wiring Diagram and Cable Logs. Five (5) hard copies 11" x 17" of the cabinet wiring diagrams shall be provided along with electronic PDF and dgn files of the cabinet wiring diagram. Five hard copies of the cable logs and electronic excel files shall be provided with cable #, number of conductors and spares, connected device/signal head and intersection location.
8. Controller Programming Settings. The traffic signal controller's timings; backup timings; coordination splits, offsets, and cycles; TBC Time of Day, Week and Year Programs; Traffic Responsive Program, Detector Phase Assignment, Type and Detector Switching; and any other functions programmable from the keyboard. The controller manufacturer shall also supply a printed form, not to exceed 11" x 17" for recording that data noted above. The form

shall include a location, date, manufacturer's name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.

9. Warrantees and Guarantees. All manufacturer and contractor warrantees and guarantees required by Article 801.14.
10. GPS coordinate of traffic signal equipment as describe in the Record Drawings section herein.

Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal "turn on", completeness of the required documentation and successful operation during a minimum 72 hour "burn-in" period following activation of the traffic signal. If approved, traffic signal acceptance shall be verbal at the "turn on" inspection followed by written correspondence from the Engineer. The Contractor shall be responsible for all traffic signal equipment and associated maintenance thereof until Departmental acceptance is granted.

All equipment and/or parts to keep the traffic signal installation operating shall be furnished by the Contractor. No spare traffic signal equipment is available from the Department.

All punch list work shall be completed within two (2) weeks after the final inspection. The Contractor shall notify the Electrical Maintenance Contractor to inspect all punch list work. Failure to meet these time constraints shall result in liquidated damage charges of $500 per month per incident.
All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices under which the subject materials and signal equipment are paid and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements shall be subject to removal and disposal at the Contractor's expense.

Record Drawings.

The requirements listed for Electrical Installation shall apply for Traffic Signal Installations in Article 801.16. Revise the second paragraph of Article 801.16 of the Standard Specifications to read:

"When the work is complete, and seven days before the request for a final inspection, the reduced-size set of contract drawings, stamped "RECORD DRAWINGS," shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval. If the contract consists of multiple intersections, each intersection shall be saved as an individual PDF file with TS# and location name in its file name.

In addition to the record drawings, copies of the final catalog cuts which have been Approved or Approved as Noted shall be submitted in PDF format along with the record drawings. The PDF files shall clearly indicate the pay item either by filename or PDF Table of Contents referencing the respective pay item number for multi-item PDF files. Specific part or model numbers of items which have been selected shall be clearly visible."

As part of the record drawings, the Contractor shall inventory all traffic signal equipment, new or existing, on the project and record information in an Excel spreadsheet. The inventory shall include equipment type, model numbers, software manufacturer and version and quantities.

Add the following to Article 801.16 of the Standard Specifications:

"In addition to the specified record drawings, the Contactor shall record GPS coordinates of the following traffic signal components being installed, modified or being affected in other ways by this contract:

- All Mast Arm Poles and Posts
- Traffic Signal Wood Poles
- Rail Road Bungalow
- UPS
- Handholes
- Conduit Roadway Crossings
- Controller Cabinets
- Communication Cabinets
- Electric Service Disconnect Locations
- CCTV Camera Installations
- Fiber Optic Splice Locations
- Conduit Crossings

Datum to be used shall be North American 1983.

Data shall be provided electronically and in print form. The electronic format shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places. Each coordinate shall have the following information:

- File shall be named: TSXXX-YY-MM-DD (i.e., TS22157_15-01-01)
- Each intersection shall have its own file
- Row 1 should have the location name (i.e. IL 31 @ Klausen)
- Row 2 is blank
- Row 3 is the headers for the columns
- Row 4 starts the data
- Column A (Date) – should be in the following format: MM/DD/YYYY
- Column B (Item) – as shown in the table below
- Column C (Description) – as shown in the table below
- Column D and E (GPS Data) – should be in decimal form, per the IDOT special provisions

Examples:

Date	Item	Description	Latitude	Longitude
01/01/2015	MP (Mast Arm Pole)	NEQ, NB, Dual, Combination Pole	41.580493	-87.793378
01/01/2015	HH (Handhole)	Heavy Duty, Fiber, Intersection, Double	41.558532	-87.792571
01/01/2015	ES (Electrical Service)	Ground mount, Pole mount	41.765532	-87.543571
01/01/2015	CC (Controller Cabinet)		41.602248	-87.794053
01/01/2015	RSC (Rigid Steel Crossing)	IL 31 east side crossing south leg to center HH at Klausen	41.611111	-87.790222
01/01/2015	PTZ (PTZ)	NEQ extension pole	41.593434	-87.769876

01/01/2015	POST (Post)		41.651848	-87.762053
01/01/2015	MCC (Master Controller Cabinet)		41.584593	-87.793378
01/01/2015	COMC (Communication Cabinet)		41.584600	-87.793432
01/01/2015	BBS (Battery Backup System)		41.558532	-87.792571
01/01/2015	CNCR (Conduit Crossing)	4-inch IL 31 n/o of Klausen	41.588888	-87.794440

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 1 foot. Upon verification, data collection can begin. Data collection can be made as construction progresses or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping-grade. A handheld mapping-grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 1 foot accuracy after post processing.

GPS receivers integrated into cellular communication devices, recreational, and automotive GPS devices are not acceptable.

The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years."

Delete the last sentence of the third paragraph of Article 801.16.

Locating Underground Facilities.

Revise Section 803 to the Standard Specifications to read:

IDOT traffic signal facilities are not part of any of the one-call locating service such as J.U.L.I.E or Digger. If this Contract requires the services of an Electrical Contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT electrical facilities prior to performing any work. If this Contract does not require the services of an Electrical Contractor, the Contractor may request one free locate for existing IDOT electrical facilities from the District One Electrical Maintenance Contractor prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted: in the City of Chicago contact Digger at (312) 744-7000, and for all other locations contact J.U.L.I.E. at 1-800-892-0123 or 811.

Restoration of Work Area.

Add the following article to Section 801 of the Standard Specifications:

801.17 Restoration of work area. Restoration of the traffic signal work area shall be included in the related pay items such as foundation, conduit, handhole, underground raceways, etc. All roadway surfaces, such as shoulders, medians, sidewalks, pavement, etc., shall be replaced in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded. All brick pavers disturbed in the work area shall be restored to their original configuration as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer. Restoration of the work area shall be included in the contract without any extra compensation allowed to the Contractor.

Bagging Signal Heads.

Light tan colored traffic and pedestrian signal reusable covers shall be used to cover dark/un-energized signal sections and visors. Covers shall be made of outdoor fabric with urethane coating for repelling water, have elastic fully sewn around the cover ends for a tight fit over the visor, and have a minimum of two straps with buckles to secure the cover to the backplate. A center mesh strip allows viewing without removal for signal status testing purposes. Covers shall include a message indicating the signal is not in service.

GROUNDING OF TRAFFIC SIGNAL SYSTEMS

Effective: May 22, 2002
Revised: July 1, 2015
806.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

Revise Section 806 of the Standard Specifications to read:

General.

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the NEC. This work shall be in accordance with IDOT's District One Traffic Signal Design Details.

The grounding electrode system shall include a ground rod installed with each traffic signal controller concrete foundation and all mast arm and post concrete foundations. An additional ground rod will be required at locations were measured resistance exceeds 25 ohms. Ground rods are included in the applicable concrete foundation or service installation pay item and will not be paid for separately.

Testing shall be according to Article 801.13 (a) (4) and (5).

(a) The grounded conductor (neutral conductor) shall be white color coded. This conductor shall be bonded to the equipment grounding conductor only at the Electric Service Installation. All power cables shall include one neutral conductor of the same size.

(b) The equipment grounding conductor shall be green color coded. The following is in addition to Article 801.04 of the Standard Specifications.

1. Equipment grounding conductors shall be bonded to the grounded conductor (neutral conductor) only at the Electric Service Installation. The equipment grounding conductor is paid for separately and shall be continuous. The Earth shall not be used as the equipment grounding conductor.

2. Equipment grounding conductors shall be bonded, using a UL Listed grounding connector, to all traffic signal mast arm poles, traffic signal posts, pedestrian posts, pull boxes, handhole frames and covers, conduits, and other metallic enclosures throughout the traffic signal wiring system, except where noted herein. Bonding shall be made with a splice and pigtail connection, using a sized compression type copper sleeve, sealant tape, and heat-shrinkable cap. A UL listed electrical joint compound shall be applied to all conductors' terminations, connector threads and contact points. Conduit grounding bushings shall be installed at all conduit terminations including spare or empty conduits.

3. All metallic and non-metallic raceways shall have a continuous equipment grounding conductor, except raceways containing only detector loop lead-in circuits, circuits under 50 volts and/or fiber optic cable will not be required to include an equipment grounding conductor.

4. Individual conductor splices in handholes shall be soldered and sealed with heat shrink. When necessary to maintain effective equipment grounding, a full cable heat shrink shall be provided over individual conductor heat shrinks.

(c) The grounding electrode conductor shall be similar to the equipment grounding conductor in color coding (green) and size. The grounding electrode conductor is used to connect the ground rod to the equipment grounding conductor and is bonded to ground rods via exothermic welding, UL listed pressure connectors, and UL listed clamps.

HANDHOLES
Effective: January 01, 2002
Revised: July 1, 2018
814.01TS

Description.
Add the following to Section 814 of the Standard Specifications:

All conduits shall enter the handhole at a depth of 30 inches (762 mm) except for the conduits for detector loops when the handhole is less than 5 feet (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

Steel cable hooks shall be coated with hot-dipped galvanization in accordance with AASHTO Specification M111. Hooks shall be a minimum of 1/2 inch (13 mm) diameter with two 90 degree bends and extend into the handhole at least 6 inches (152 mm). Hooks shall be placed a minimum of 12 inches (305 mm) below the lid or lower if additional space is required.

Precast round handholes shall not be used unless called out on the plans.

The cover of the handhole frame shall be labeled "Traffic Signals" with legible raised letters. Only handholes serving IDOT traffic signal equipment shall have this label. Handhole covers for Red Light Running Cameras shall be labeled "RLRC".

Revise the third paragraph of Article 814.03 of the Standard Specifications to read:

"Handholes shall be constructed as shown on the plans and shall be cast-in-place, or precast concrete units. Heavy duty handholes shall be either cast-in-place or precast concrete units."

Add the following to Article 814.03 of the Standard Specifications:

"(c) Precast Concrete. Precast concrete handholes shall be fabricated according to Article 1042.17. Where a handhole is contiguous to a sidewalk, preformed joint filler of 1/2 inch (13 mm) thickness shall be placed between the handhole and the sidewalk."

Cast-In-Place Handholes.
All cast-in-place handholes shall be concrete, with inside dimensions of 21-1/2 inches (546 mm) minimum. Frames and lid openings shall match this dimension.

For grounding purposes the handhole frame shall have provisions for a 7/16 inch (11 mm) diameter stainless steel bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole cover.

The minimum wall thickness for heavy duty hand holes shall be 12 inches (305mm).

Precast Round Handholes.
All precast handholes shall be concrete, with inside dimensions of 30 inches (762mm) diameter. Frames and covers shall have a minimum opening of 26 inches (660mm) and no larger than the inside diameter of the handhole.

For grounding purposes the handhole frame shall have provisions for a 7/16 inch (11 mm) diameter stainless steel bolt cast into the frame. For the purpose of attaching the grounding conductor to the handhole cover, the covers shall either have a 7/16 inch (11 mm) diameter stainless steel bolt cast into the cover or a stainless steel threaded stint extended from an eye hook assembly. A hole may be drilled for the bolt if one cannot be cast into the frame or cover. The head of the bolt shall be flush or lower than the top surface of the cover.

The minimum wall thickness for precast heavy duty hand holes shall be 6 inches (152 mm).

Precast round handholes shall be only produced by an approved precast vendor.

Materials.
Add the following to Section 1042 of the Standard Specifications:

"1042.17 Precast Concrete Handholes. Precast concrete handholes shall be according to Articles 1042.03(a)(c)(d)(e)."

LIGHT EMITTING DIODE (LED) PEDESTRIAN SIGNAL HEAD

Effective: May 22, 2002
Revised: July 1, 2015
881.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

Add the following to the third paragraph of Article 881.03 of the Standard Specifications:

No mixing of different types of pedestrian traffic signals or displays will be permitted.

Add the following to Article 881.03 of the Standard Specifications:

(a) Pedestrian Countdown Signal Heads.

(1) Pedestrian Countdown Signal Heads shall not be installed at signalized intersections where traffic signals and railroad warning devices are interconnected.

(2) Pedestrian Countdown Signal Heads shall be 16-inch (406-mm) x 18-inch (457-mm), for single units with glossy yellow or black polycarbonate housings. All pedestrian head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on.

(3) Each pedestrian signal LED module shall be fully MUTCD-compliant and shall consist of double overlay message combining full LED symbols of an Upraised Hand and a Walking Person. "Egg Crate" type sun shields are not permitted. Numerals shall measure 9 inches (229 mm) in height and easily identified from a distance of 120 feet (36.6 m).

Materials.

Add the following to Article 1078.02 of the Standard Specifications:

General.

1. The module shall operate in one mode: Clearance Cycle Countdown Mode Only. The countdown module shall display actual controller programmed clearance cycle and shall start counting when the flashing clearance signal turns on and shall countdown to "0" and turn off when the steady Upraised Hand (symbolizing Don't Walk) signal turns on. Module shall not have user accessible switches or controls for modification of cycle.

2. At power on, the module shall enter a single automatic learning cycle. During the automatic learning cycle, the countdown display shall remain dark.

3. The module shall reprogram itself if it detects any increase or decrease of Pedestrian Timing. The counting unit will go blank once a change is detected and then take one complete pedestrian cycle (with no counter during this cycle) to adjust its buffer timer.

4. If the controller preempts during the Walking Person (symbolizing Walk), the countdown will follow the controller's directions and will adjust from Walking Person to flashing Upraised Hand. It will start to count down during the flashing Upraised Hand.

5. If the controller preempts during the flashing Upraised Hand, the countdown will continue to count down without interruption.

6. The next cycle, following the preemption event, shall use the correct, initially programmed values.

7. If the controller output displays Upraised Hand steady condition and the unit has not arrived to zero or if both the Upraised Hand and Walking Person are dark for some reason, the unit suspends any timing and the digits will go dark.

8. The digits will go dark for one pedestrian cycle after loss of power of more than 1.5 seconds.

9. The countdown numerals shall be two (2) "7 segment" digits forming the time display utilizing two rows of LEDs.

10. The LED module shall meet the requirements of the Institute of Transportation Engineers (ITE) LED purchase specification, "Pedestrian Traffic Control Signal Indications - Part 2: LED Pedestrian Traffic Signal Modules," or applicable successor ITE specifications, except as modified herein.

11. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.

12. In the event of a power outage, light output from the LED modules shall cease instantaneously.

13. The LEDs utilized in the modules shall be AlInGaP technology for Portland Orange (Countdown Numerals and Upraised Hand) and GaN technology for Lunar White (Walking Person) indications.

14. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

Basis of Payment.

Add the following to the first paragraph of Article 881.04 of the Standard Specifications:

The price shall include furnishing the equipment described above, all mounting hardware and installing them in satisfactory operating condition.

Add the following to Article 881.04 of the Standard Specifications:

If the work consists of retrofitting an existing polycarbonate pedestrian signal head and pedestrian countdown signal head with light emitting diodes (LEDs), it will be paid for as a PEDESTRIAN SIGNAL HEAD, LED, RETROFIT, of the type specified and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition.

MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND FLASHING BEACON INSTALLATION

Effective: May 22, 2002
Revised: July 1, 2015
850.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

General.

1. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the Contract or any portion thereof. If Contract work is started prior to a traffic signal inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection.

2. The Contractor shall have electricians with IMSA Level II certification on staff to provide signal maintenance. A copy of the certification shall be immediately available upon request of the Engineer.

3. This item shall include maintenance of all traffic signal equipment and other connected and related equipment such as flashing beacons, emergency vehicle pre-emption equipment, master controllers, uninterruptable power supply (UPS and batteries), PTZ cameras, vehicle detection, handholes, lighted signs, telephone service installations, communication cables, conduits to adjacent intersections, and other traffic signal equipment.

4. Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers, radios and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.

5. Maintenance shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment. This equipment is operated and maintained by the local municipality and should be deactivated while on contractor maintenance.

6. The energy charges for the operation of the traffic signal installation shall be paid for by the Contractor.

Maintenance.

1. The Contractor shall check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to ensure that they are functioning properly. The Contractor shall check signal system communications and phone lines to assure proper operation. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. The Contractor shall maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs. Prior to the traffic signal maintenance transfer, the contractor shall supply a detailed maintenance schedule that includes dates, locations, names of electricians providing the required checks and inspections along with any other information requested by the Engineer.

2. The Contractor is advised that the existing and/or span wire traffic signal installation must remain in operation during all construction stages, except for the most essential down time. Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

3. The Contractor shall provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power

is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor shall be required to place stop signs (R1-1-36) at each approach of the intersection as a temporary means of regulating traffic. When the signals operate in flash, the Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of stop signs as specified herein. The Contractor shall maintain a sufficient number of spare stop signs in stock at all times to replace stop signs which may be damaged or stolen.

4. The Contractor shall provide the Engineer with 2 (two) 24-hour telephone numbers for the maintenance of the traffic signal installation and for emergency calls by the Engineer.

5. Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.

6. The Contractor shall respond to all emergency calls from the Department or others within one (1) hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the contract. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's Electrical Maintenance Contractor perform the maintenance work. The Contractor shall be responsible for all of the State's Electrical Maintenance Contractor's costs and liquidated damages of $1000 per day per occurrence. The State's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.

7. Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

8. Equipment included in this item that is damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and provided by the Contractor at no additional cost to the Contract and/or owner of the traffic signal system, all as approved by the Engineer. Final replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted. Cable splices outside the controller cabinet shall not be allowed.

9. Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.

10. The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display or access to traffic signal equipment.

11. The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries. Temporary power to critical locations shall not be paid for separately but shall be included in the contract.

12. Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.

Basis of Payment. This work will be paid for at the contract unit price per each for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION. At the intersection of Warrenville Road and Illinois Route 53 temporary power shall be provided and is to be included in the cost of the item. Each intersection will be paid for separately. Maintenance of a standalone and or not connected flashing beacon shall be paid for at the contract unit price for MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION. Each flashing beacon will be paid for separately.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

Effective: May 22, 2002
Revised: July 1, 2015
895.02TS

Add the following to Article 895.05 of the Standard Specifications:

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of outside the right-of-way at the Contractor's expense.

All equipment to be returned to the State shall be delivered by the Contractor to the State's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the State's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide one hard copy and one electronic file of a list of equipment that is to remain the property of the State, including model and serial numbers, where applicable. The Contractor shall also provide a copy of the Contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned according to these requirements, it will be rejected by the State's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the State's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The Contractor shall safely store and arrange for pick up or delivery of all equipment to be returned to agencies other than the State. The Contractor shall package the equipment and provide all necessary documentation as stated above.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM
Effective: May 22, 2002
Revised: July 1, 2015
800.03TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

Description.

This work shall consist of re-optimizing a closed loop traffic signal system according to the following Levels of work.

LEVEL I applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system. The purpose of this work is to integrate the improvements to the subject intersection into the signal system while minimizing the impacts to the existing system operation. This type of work would be commonly associated with the addition of signal phases, pedestrian phases, or improvements that do not affect the capacity at an intersection.

LEVEL II applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system and detailed analysis of the intersection operation is desired by the engineer, or when a new signalized or existing signalized intersection is being added to an existing system, but optimization of the entire system is not required. The purpose of this work is to optimize the subject intersection, while integrating it into the existing signal system with limited impact to the system operations. This item also includes an evaluation of the overall system operation, including the traffic responsive program.

For the purposes of re-optimization work, an intersection shall include all traffic movements operated by the subject controller and cabinet.

After the signal improvements are completed, the signal shall be re-optimized as specified by an approved Consultant who has previous experience in optimizing Closed Loop Traffic Signal Systems for District One of the Illinois Department of Transportation. The Contractor shall contact the Traffic Signal Engineer at (847) 705-4424 for a listing of approved Consultants. Traffic signal system optimization work, including fine-tuning adjustments of the optimized system, shall follow the requirements stated in the most recent IDOT District 1 SCAT Guidelines, except as note herein.

A listing of existing signal equipment, interconnect information, phasing data, and timing patterns may be obtained from the Department, if available and as appropriate. The existing SCAT Report is available for review at the District One office and if the Consultant provides blank computer discs, copies of computer simulation files for the existing optimized system and a timing database will be made for the Consultant. The Consultant shall confer with the Traffic Signal Engineer prior to optimizing the system to determine if any extraordinary conditions exist that would affect traffic flows in the vicinity of the system, in which case, the

Consultant may be instructed to wait until the conditions return to normal or to follow specific instructions regarding the optimization.

(a) LEVEL I Re-Optimization

1. The following tasks are associated with LEVEL I Re-Optimization.
   a. Appropriate signal timings shall be developed for the subject intersection and existing timings shall be utilized for the rest of the intersections in the system.
   b. Proposed signal timing plan for the modified intersection(s) shall be forwarded to IDOT for review prior to implementation.
   c. Consultant shall conduct on-site implementation of the timings at the turn-on and make fine-tuning adjustments to the timings of the subject intersection in the field to alleviate observed adverse operating conditions and to enhance operations. The consultant shall respond to IDOT comments and public complaints for a minimum period of 60 days from date of timing plan implementation.

2. The following deliverables shall be provided for LEVEL I Re-Optimization.
   a. Consultant shall furnish to IDOT a cover letter describing the extent of the re-optimization work performed.
   b. Consultant shall furnish an updated intersection graphic display for the subject intersection to IDOT and to IDOT's Traffic Signal Maintenance Contractor.

(b) LEVEL II Re-Optimization

1. In addition to the requirements described in the LEVEL I Re-Optimization above, the following tasks are associated with LEVEL II Re-Optimization.
   a. Traffic counts shall be taken at the subject intersection(s) after the traffic signals are approved for operation by the Area Traffic Signal Operations Engineer. Manual turning movement counts shall be conducted from 6:30 a.m. to 9:30 a.m., 11:00 a.m. to 1:00 p.m., and 3:30 p.m. to 6:30 p.m. on a typical weekday from midday Monday to midday Friday and on a Saturday and/or Sunday, as directed by the Engineer, to account for special traffic generators such as shopping centers, educational institutes and special event facilities. The turning movement counts shall identify cars, and single-unit, multi-unit heavy vehicles, and transit buses.
   b. As necessary, the intersection(s) shall be re-addressed, and all system detectors reassigned in the master controller according to the current standard of District One.
   c. Traffic responsive program operation shall be evaluated to verify proper pattern selection and lack of oscillation and a report of the operation shall be provided to IDOT.

2. The following deliverables shall be provided for LEVEL II Re-Optimization.
   a. Consultant shall furnish to IDOT one (1) copy of a technical memorandum for the optimized system. The technical memorandum shall include the following elements:
      (1) Brief description of the project
      (2) Printed copies of the analysis output from Synchro (or other appropriate, approved optimization software file)
      (3) Printed copies of the traffic counts conducted at the subject intersection
   b. Consultant shall furnish to IDOT two (2) CDs for the optimized system. The CDs shall include the following elements:
      (1) Electronic copy of the technical memorandum in PDF format
      (2) Revised Synchro files (or other appropriate, approved optimization software file) including the new signal and the rest of the signals in the closed loop system
      (3) Traffic counts conducted at the subject intersection(s)

(4) New or updated intersection(s) graphic display file for the subject intersection(s)
(5) The CD shall be labeled with the IDOT system number and master location, as well as the submittal date and the consultant logo. The CD case shall include a clearly readable label displaying the same information securely affixed to the side and front.

Basis of Payment. This work shall be paid for at the contract unit price each for RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL I or RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL II, which price shall be payment in full for performing all work described herein per intersection. Following completion of the timings and submittal of specified deliverables, 100 percent of the bid price will be paid. Each intersection will be paid for separately.

TRAFFIC SIGNAL POST

Effective: May 22, 2002
Revised: July 14, 2021
875.01TS

Revise Article 1077.01 (c) of the Standard Specifications to read:

(c) Anchor Rods. The anchor rods shall be a minimum of 5/8 in. in diameter and 16 in. long and shall be according to Article 1006.09. The anchor rods shall be threaded approximately 6 in. at one end and have a bend at the other end. The first 12 in. at the threaded end shall be galvanized. One each galvanized nut and trapezoidal washer shall be furnished with each anchor rod. The washer shall be properly sized to fully engage and sit flush on all sides of the slot of the base plate.

Revise the first sentence of Article 1077.01 (d) of the Standard Specifications to read:

All posts shall be steel and bases shall be cast iron. All posts and bases shall be hot dipped galvanized according to AASHTO M 111. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions.

PEDESTRIAN SIGNAL POST

Effective: January 1, 2020
Revised:
875.02TS

Description.
This work shall consist of furnishing and installing a metal pedestrian signal post. All installations shall meet the requirements of the "District One Standard Traffic Signal Design Details".

Materials.

a. General. The pedestrian signal post shall be designed to support the traffic signal loading shown on the plans. The design and fabrication shall be according to the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, as published by AASHTO.

b. Post. The post shall be made of steel or aluminum and have an outside diameter of 4 1/2 in. The post shall be threaded for assembly to the base. Aluminum posts shall be according to the

specifications for Schedule 80 aluminum pipe. Steel posts shall be according to the specifications for Schedule 40 steel pipe.

c. Base. The base of a steel post shall be cast iron. The base of an aluminum post shall be aluminum. The base shall be threaded for the attachment to the threaded post. The base shall be approximately 10 in. high and 6 3/4 in. square at the bottom. The bottom of the base shall be designed to accept four 5/8 in. diameter anchor rods evenly spaced in a 6 in. diameter circle. The base shall be true to pattern, with sharp clean cutting ornamentation, and equipped with access doors for cable handling. The door shall be fastened to the base with stainless steel screws. A grounding lug shall be provided inside the base.

d. Anchor Rods. The anchor rods shall be 5/8 in. in diameter and 16 in. long and shall be according to Article 1006.09. The anchor rods shall be threaded approximately 6 in. at one end and have a bend at the other end. The first 12 in. at the threaded end shall be galvanized. One each galvanized nut and trapezoidal washer shall be furnished with each anchor rod. The washer shall be properly sized to fully engage and sit flush on all sides of the slot of the base plate.

The aluminum post and base shall be drilled at the third points around the diameter and 1/4 in. by 2 in. stainless steel bolts shall be inserted to prevent the post from turning and wobbling.

Finish. The steel post, steel post cap and the cast iron base shall be hot-dipped galvanized according to AASHTO M 111. If the Department approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with 851.01TS TRAFFIC SIGNAL PAINTING Special Provisions. If the post and the base are threaded after the galvanization, the bare exposed metal shall be immediately cleaned to remove all cutting solvents and oils, and then spray painted with two coats of an approved galvanized paint.

The aluminum post shall have a natural finish, 100 grit or finer.

Installation.

The pedestrian signal post shall be erected plumb, securely bolted to a concrete foundation, and grounded to a ground rod according to the details shown on the plans. No more than 3/4 in. of the post threads shall protrude above the base.

A post cap shall be furnished and installed on the top of the post. The post cap shall match the material of the post. The Contractor shall apply an anti-seize paste compound on all nuts and bolts prior to assembly.

Prior to the assembly, the Contractor shall apply two additional coats of galvanized paint on the threads of the post and the base. The Contractor shall use a fabric post tightener to screw the post to the base.

Basis of Payment.

This work will be paid for at the contract unit price per each for PEDESTRIAN SIGNAL POST, of the length specified.

MODIFY EXISTING CONTROLLER CABINET
Effective: May 22, 2002
Revised: July 1, 2015
895.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

The work shall consist of modifying an existing controller cabinet as follows:

(a) Uninterruptable Power Supply (UPS). The addition of uninterruptable power supply (UPS) to an existing controller cabinet could require the relocation of the existing controller cabinet items to allow for the installation of the uninterruptable power supply (UPS) components inside the existing controller cabinet as outlined under Sections 862 and 1074.04 of the Standard Specifications and the wiring of UPS alarms.

(b) Light Emitting Diode (LED) Signal Heads, Light Emitting Diode (LED) Optically Programmed Signal Heads and Light Emitting Diode (LED) Pedestrian Signal Heads. The contractor shall verify that the existing load switches meet the requirements of Section 1074.03(b)(2) of the Standard Specifications and the recommended load requirements of the light emitting diode (LED) signal heads that are being installed at the existing traffic signal. If any of the existing load switches do not meet these requirements, they shall be replaced as directed by the Engineer.

(c) Light Emitting Diode (LED), Signal Head, Retrofit. The contractor shall verify that the existing load switches meet the requirements of Section 1074.03(b)(2) of the Standard Specifications and the recommended load requirements of light emitting diode (LED) traffic signal modules, pedestrian signal modules, and pedestrian countdown signal modules as specified in the plans. If any of the existing load switches do not meet these requirements, they shall be replaced as directed by the Engineer.

(d) This item shall include the upgrade of all non-railroad controller software to the latest version available at the time of the signal TURN-ON.

Basis of Payment.

Modifying an existing controller cabinet will be paid for at the contract unit price per each for MODIFY EXISTING CONTROLLER CABINET. This shall include all material and labor required to complete the work as described above, the removal and disposal of all items removed from the controller cabinet as directed by the Engineer. The equipment for the Uninterruptable Power Supply (UPS) and labor to install it in the existing controller cabinet shall be included in the pay item Uninterruptable Power Supply, Special or Uninterruptable Power Supply, Ground Mounted

PEDESTRIAN PUSH-BUTTON
Effective: May 22, 2002
Revised: July 1, 2015
888.01TS

The following special provision is applicable to traffic signal improvements at Warrenville Road and Illinois Route 53.

Description.

Revise Article 888.01 of the Standard Specifications to read:

This work shall consist of furnishing and installing a latching (single call) or non-latching (dual call) pedestrian push-button and a regulatory pedestrian instruction sign according to MUTCD, sign series R10-3e 9" x 15" sign with arrow(s) for a count-down pedestrian signal. The pedestrian station sign size without countdown pedestrian signals shall accommodate a MUTCD sign series R10-3b or R10-3d 9" x 12" sign with arrow(s).

Installation.

Add the following to Article 888.03 of the Standard Specifications:

A mounting bracket and/or extension shall be used to assure proper orientation when two pedestrian push-buttons are required for one post. The price of the bracket and/or extension shall be included in the cost of the pedestrian push-button. The contractor is not allowed to install a push-button assembly with the sign below the push-button in order to meet mounting requirements.

Materials.

Revise Article 1074.02(a) of the Standard Specifications to read:

The pedestrian pushbutton housing shall be constructed of aluminum alloy according to ASTM B 308 6061-T6 and powder coated yellow, unless otherwise noted on the plans. The housing shall be furnished with suitable mounting hardware.

Revise Article 1074.02(e) of the Standard Specifications to read:

Stations shall be designed to be mounted to a post, mast arm pole, or wood pole. The station shall be aluminum and shall accept a 3-inch (75 mm) round push-button assembly and a regulatory pedestrian instruction sign according to MUTCD, sign series R10-3e 9" x 15" sign with arrow(s) for a countdown pedestrian signal. The pedestrian station size without countdown pedestrian signals shall accommodate a MUTCD sign series R10-3b or R10-3d 9" x 12" sign with arrow(s).

Add the following to Article 1074.02 of the Standard Specifications:

(f) Location. Pedestrian push-buttons and stations shall be mounted to a post, mast arm pole, or wood pole as shown on the plans and shall be fully ADA-accessible from a paved or concrete surface. See the District's Detail sheets for orientation and mounting details.

Basis of Payment.

Revise Article 888.04 of the Standard Specifications to read:

This work will be paid for at the contract unit price per each for PEDESTRIAN PUSH-BUTTON or PEDESTRIAN PUSH-BUTTON, NON-LATCHING.

ELECTRIC CABLE
Effective: May 22, 2002
Revised: July 1, 2015
873.01TS

Delete "or stranded, and No. 12 or" from the last sentence of Article 1076.04 (a) of the Standard Specifications.

Add the following to the Article 1076.04(d) of the Standard Specifications:

Service cable may be single or multiple conductor cable.

CONCRETE FOUNDATIONS
Effective: May 22, 2002
Revised: November 01, 2018
878.01TS

Add the following to Article 878.03 of the Standard Specifications:

All anchor bolts shall be according to Article 1006.09, with all anchor bolts hot dipped galvanized a minimum of 12 in. at the threaded end.

No foundation is to be poured until the Resident Engineer gives his/her approval as to the depth of the foundation.

Add the following to the first paragraph of Article 878.05 of the Standard Specifications:

The concrete apron in front of the cabinet and UPS shall be included in this pay item.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
Effective: May 22, 2002
Revised: July 1, 2015
895.02TS

Add the following to Article 895.05 of the Standard Specifications:

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of outside the right-of-way at the Contractor's expense.

All equipment to be returned to the State shall be delivered by the Contractor to the State's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the State's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide one hard copy and one electronic file of a list of equipment that is to remain the property of the State, including model and serial numbers, where applicable. The Contractor shall also provide a copy of the Contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned according to these requirements, it will be rejected by the State's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of

the signal installation until the acceptance of a receipt drawn by the State's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The Contractor shall safely store and arrange for pick up or delivery of all equipment to be returned to agencies other than the State. The Contractor shall package the equipment and provide all necessary documentation as stated above.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Dupage County 2020 Sidewalk Program Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

Westbound ROW of Warrenville Road. See attached Summary Report for Exclusion Zone and Certified Area Limits.

City: Lisle State: IL Zip Code: 60532

County: DuPage Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.80811 (Decimal Degrees) Longitude: - 88.0779 (-Decimal Degrees)

Identify how the lat/long data were determined:

○ GPS ⊘ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): 5/4/2020 Approximate End Date (mm/dd/yyyy): 7/3/2020

Estimated Volume of debris (cu. Yd.): 352

II. Owner/Operator Information for Source Site

Site Owner

Name: DuPage County
Street Address: 421 N County Farm Road
PO Box: _____
City: Wheaton State: IL
Zip Code: 60187 Phone: 630.407.5500
Contact: _____
Email, if available: _____

Site Operator

Name: Strand Associates, Inc.
Street Address: 1170 South Houbolt Road
PO Box: _____
City: Joliet State: IL
Zip Code: 60431 Phone: 815.744.4200
Contact: _____
Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: Dupage County 2020 Sidewalk Program Latitude: 41.80811 Longitude: - 88.07790

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

Refer to attached Summary Letter.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

Refer to attached Appendices

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michelle A. Lipinski, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Rubino Engineering, Inc.
Street Address:	425 Shepard Drive
City:	Elgin State: IL Zip Code: 60123
Phone:	847-931-1555

Michelle A. Lipinski, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

LICENSED PROFESSIONAL ENGINEER
MICHELLE A. LIPINSKI
062-06124
STATE OF ILLINOIS

Date: 2/25/2020

P.E or L.P.G. Seal:

rubino ENGINEERING INC.

ENVIRONMENTAL SUMMARY REPORT

February 25, 2020

To: Marc Grigas, P.E.
Strand Associates, Inc.®
1170 South Houbolt Road
Joliet, IL 60431

Re: **CCDD Testing Summary Report**
Proposed DuPage County 2020 Sidewalk Program for Warrenville Road
Lisle, Illinois

Rubino Report No. G19.115

Via email: Marc.Grigas@strand.com

Dear Mr. Grigas,

Rubino Engineering, Inc. (Rubino) is pleased to submit the following report to provide a summary of the CCDD testing for the above referenced project.

This report contains the following:

- *Summary of Environmental Database Review*
- *Summary of field and laboratory tests performed*
- *Summary of laboratory test results*
- *Illinois Environmental Protection Agencies LPC 663 Certificate*

ENVIROMENTAL DATABASE REVIEW

The project site is located along the north side of Warrenville Road in Lisle, Illinois. A map of the project location can be found in **Appendix A.1**. Prior to a site investigation, an Environmental Database Review (EDR) was conducted and the report is included as **Appendix A.4**. After reviewing the EDR report, Rubino Engineering, Inc. found multiple records in close proximity to the project site.

Based on the fact the records were located in close proximity to the project site, the determination was made that sampling and testing of materials from the project site was necessary to consider 663 certification.

Certification Limits

The LPC 663 Certification Limits include the following locations in Lisle, Illinois.

- **Westbound Right-of-Way of Warrenville** from approximately 270 feet west of IL 53 to approximately 1,115 feet west of IL 53

SOIL SAMPLING

On January 30, 2020, Rubino Engineering, Inc. mobilized to conduct a site investigation of material originally generated from the project site. The sampling locations can be found in **Appendix A.1**. Four (4) soil samples were collected to an approximate depth of 4 feet below existing grade. The samples were screened for fuels and volatiles with a Photoionization Detector (PID). PID readings were recorded as below background. Based on the composition of the soil and the project site dimensions, four (4) samples were submitted to PDC Laboratories, Inc. on February 3, 2020. Of the four samples submitted, three (3) samples were tested for SVOC's, PNA's, and RCRA Total Metals. One sample was held by PDC Laboratories, Inc. in case additional testing was needed. Three (3) samples were submitted for pH testing at Rubino.

RESULTS

Appendix A.2 includes summary tables of the lab analysis results compared to the IEPA maximum allowable concentrations (MAC). The lab analysis found that many of the soil samples met the IEPA (MAC) except for E-04 which exceeded the limit for Arsenic and Chromium.

E-04 exceeded the limit for Arsenic which was 14 mg/kg, or 2.7 mg/kg over the IEPA MA and exceeded the limit for Chromium which was 25 mg/kg, or 4 mg/kg over the IEPA MA.

Based on the results of the laboratory testing performed, an **IEPA LPC #663 (CCDD) Certificate was not issued** for the entire site. The soils excavated during construction activity can be managed in the following ways.

- Re-use material on the same project site
- Perform proper testing and obtain completed Waste Characterization form for disposal of at a "Subtitle D" Municipal Solid Waste Landfill
- Delineation test can be performed to reduce the exclusion zones

CLOSING

Rubino appreciates the opportunity to provide geotechnical services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this summary report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

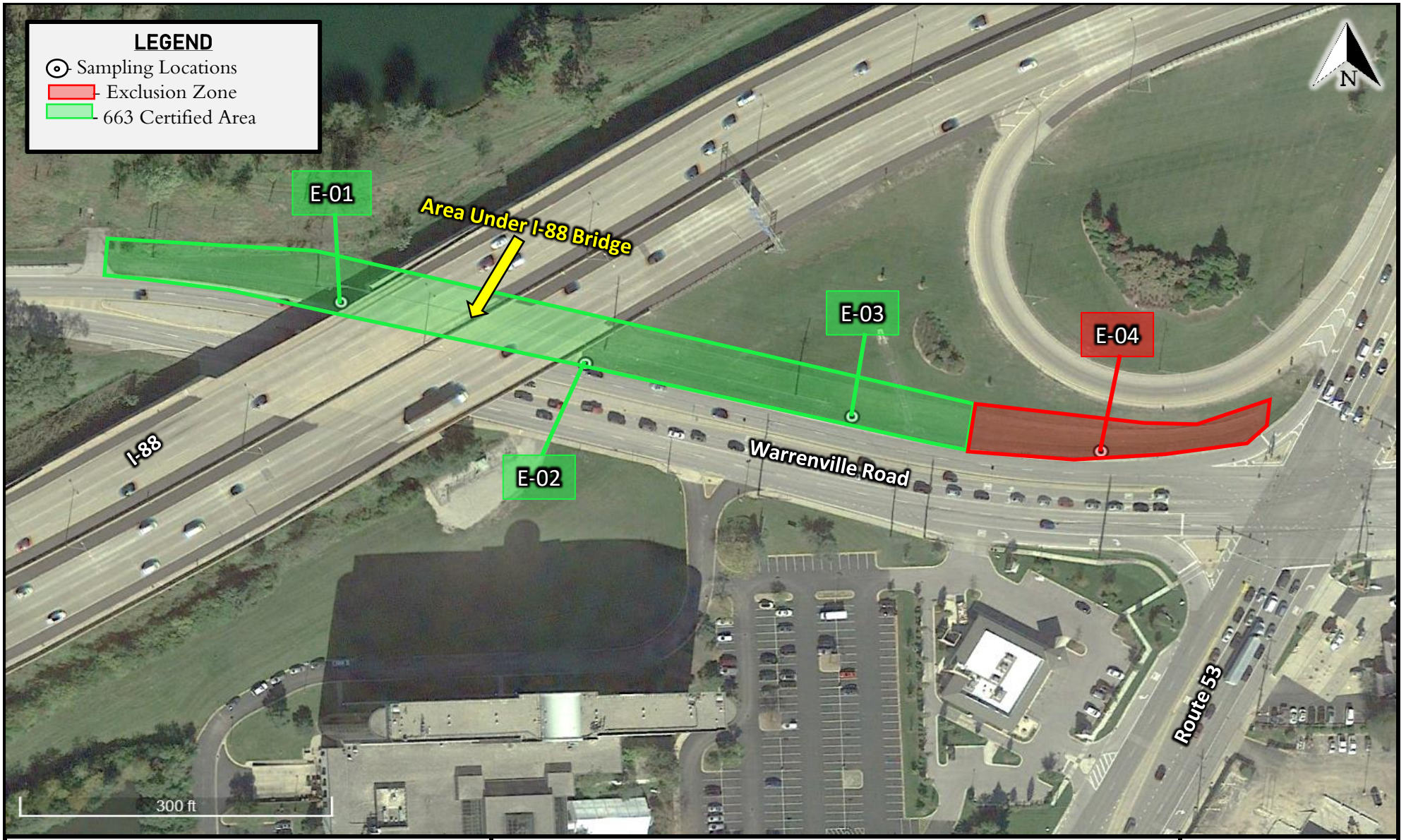
Respectfully submitted,

RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President
michelle.lipinski@rubinoeng.com
MAL/file/ Enclosures

Appendix Contents

APPENDIX A.1 – SITE MAPS



rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**DuPage County 2020 Sidewalk Program**
Project Location:	Warrenville Road Lisle, Illinois
Client:	**Strand Associates, Inc.**
Rubino Project # :	G19.115

CCDD Testing Plan

APPENDIX A.2 – ANALYTICAL TABLES

Client:Rubino Engineering Inc.
Project Number: G19115 DuPage
Work Order: 0020090

Chemical Name	CCDD Limits	0020090-01	0020090-03	0020090-04
		E-01	E-03	E-04
		01/30/2020	01/30/2020	01/30/2020
INORG				
SM 2540G (%)				
Solids - total solids (TS)	~	75	81	75
SW 6010 (mg/kg dry)				
Silver	4.4	< 0.67	< 0.62	< 0.67
Arsenic	11.3	8.6	9.7	**14**
Barium	1500	66	110	130
Cadmium	5.2	0.53	0.32	0.50
Chromium	21	15	21	**25**
Lead	107	23	16	31
Selenium	1.3	< 1.3	< 1.2	< 1.3
SW 7471 (mg/kg dry)				
Mercury	0.89	< 0.044	< 0.044	< 0.053

Notes:
All results are reported as mg/kg-dry unless otherwise noted.
Bold/Shaded results indicate concentrations exceeding CCDD MACS

Client:Rubino Engineering Inc.
Project Number: G19115 DuPage
Work Order: 0020090

Chemical Name	CCDD Limits	0020090-01	0020090-03	0020090-04
		E-01	E-03	E-04
		01/30/2020	01/30/2020	01/30/2020
PNAs				
SW 8270C (mg/kg dry)				
Acenaphthene	570	< 0.400	< 0.372	< 0.400
Anthracene	12000	< 0.400	< 0.372	< 0.400
Benzo(a)anthracene	0.9	< 0.400	< 0.372	< 0.400
Benzo(b)fluoranthene	0.9	< 0.400	< 0.372	< 0.400
Benzo(k)fluoranthene	9	< 0.400	< 0.372	< 0.400
Benzo(a)pyrene	2.1	0.188	0.0991	0.216
Chrysene	88	< 0.400	< 0.372	< 0.400
Dibenzo(a,h)anthracene	0.09	< 0.0800	< 0.0743	< 0.0800
Fluoranthene	3100	< 0.400	< 0.372	0.442
Fluorene	560	< 0.400	< 0.372	< 0.400
Indeno(1,2,3-cd)pyrene	0.9	< 0.400	< 0.372	< 0.400
Naphthalene	1.8	< 0.400	< 0.372	< 0.400
Pyrene	2300	< 0.400	< 0.372	< 0.400

Notes:
All results are reported as mg/kg-dry unless otherwise noted.
Bold/Shaded results indicate concentrations exceeding CCDD MACS

Client:Rubino Engineering Inc.
Project Number: G19115 DuPage
Work Order: 0020090

Chemical Name	CCDD Limits	0020090-01	0020090-03	0020090-04
		E-01	E-03	E-04
		01/30/2020	01/30/2020	01/30/2020
VOAs				
SW 8260B (mg/kg dry)				
Acetone	25	< 0.0524	< 1.32	< 0.119
Benzene	0.03	< 0.00524	< 0.00491	< 0.00594
Bromodichloromethane	0.6	< 0.00524	< 0.00491	< 0.00594
Bromoform	0.8	< 0.00524	< 0.00491	< 0.00594
Bromomethane	0.2	< 0.0105	< 0.00983	< 0.0119
2-Butanone	17	< 0.0105	0.0427	< 0.0119
Carbon disulfide	9	< 0.0105	< 0.00983	< 0.0119
Carbon tetrachloride	0.07	< 0.00524	< 0.00491	< 0.00594
Chlorobenzene	1	< 0.00524	< 0.00491	< 0.00594
Chloroform	0.3	< 0.00524	< 0.00491	< 0.00594
1,2-Dibromo-3-chloropropane	0.002	< 0.00105	< 0.000983	< 0.00119
Dibromochloromethane	0.4	< 0.00524	< 0.00491	< 0.00594
1,2-Dibromoethane	0.005	< 0.00210	< 0.00197	< 0.00238
1,2-Dichlorobenzene	17	< 0.00524	< 0.00491	< 0.00594
1,4-Dichlorobenzene	2	< 0.00524	< 0.00491	< 0.00594
1,1-Dichloroethane	23	< 0.00524	< 0.00491	< 0.00594
1,2-Dichloroethane	0.02	< 0.00524	< 0.00491	< 0.00594
1,1-Dichloroethene	0.06	< 0.00524	< 0.00491	< 0.00594
cis-1,2-Dichloroethene	0.4	< 0.00524	< 0.00491	< 0.00594
trans-1,2-Dichloroethene	0.7	< 0.00524	< 0.00491	< 0.00594
1,2-Dichloropropane	0.03	< 0.00524	< 0.00491	< 0.00594
cis-1,3-Dichloropropene	0.005	< 0.00314	< 0.00295	< 0.00357
trans-1,3-Dichloropropene	0.005	< 0.00314	< 0.00295	< 0.00357
1,3-Dichloropropene - Total	~	< 0.00314	< 0.00295	< 0.00357
Ethylbenzene	13	< 0.00524	< 0.00491	< 0.00594
MTBE	0.32	< 0.00524	< 0.00491	< 0.00594
Methylene chloride	0.02	< 0.00524	< 0.00491	< 0.00594
Styrene	4	< 0.00524	< 0.00491	< 0.00594
Tetrachloroethene	0.06	< 0.00524	< 0.00491	< 0.00594
Toluene	12	< 0.00524	< 0.00491	< 0.00594
1,1,1-Trichloroethane	2	< 0.00524	< 0.00491	< 0.00594
1,1,2-Trichloroethane	0.02	< 0.00524	< 0.00491	< 0.00594
Trichloroethene	0.06	< 0.00524	< 0.00491	< 0.00594
Vinyl acetate	10	< 0.00524	< 0.00491	< 0.00594
Vinyl chloride	0.01	< 0.00524	< 0.00491	< 0.00594
o-Xylene	6.5	< 0.00524	< 0.00491	< 0.00594
m,p-Xylene	~	< 0.0105	< 0.00983	< 0.0119
Xylenes- Total	5.6	< 0.0157	< 0.0147	< 0.0178

Notes:
All results are reported as mg/kg-dry unless otherwise noted.
Bold/Shaded results indicate concentrations exceeding CCDD MACS

APPENDIX A.3 – LAB REPORTS

PDC Laboratories, Inc.

Wednesday, February 12, 2020

Anthony Tomaras
Rubino Engineering Inc.
425 Shepard Drive
Elgin, IL 60123
TEL: (847) 931-1555
FAX:

RE: G19115 DuPage PDC WO: 0020090

PDC Laboratories, Inc. received 4 sample(s) on 2/3/2020 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Michael Austin
Project Manager

Certifications: NELAP/NELAC - IL #100323

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090
Client Sample ID: E-01 **Lab ID:** 0020090-01
Collection Date: 1/30/20 9:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
General Chemistry									
Solids - total solids (TS)	**75**	0.050		%	1	2/4/20 8:17	2/4/20 9:48	SM 2540G	BCH
Total Metals									
Mercury	U	0.044		mg/kg dry	1	2/5/20 7:30	2/5/20 10:45	SW 7471	WMN
Arsenic	**8.6**	6.7		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Barium	**66**	2.7		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Cadmium	**0.53**	0.27		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Chromium	**15**	0.53		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Lead	**23**	5.3		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Selenium	U	1.3	Mrl	mg/kg dry	1	2/4/20 8:34	2/7/20 10:35	SW 6010	JMW1
Silver	U	0.67		mg/kg dry	1	2/4/20 8:34	2/5/20 14:02	SW 6010	JMW1
Volatile Organics									
*Acetone	U	0.0524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Benzene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Bromodichloromethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Bromoform	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Bromomethane	U	0.0105		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*2-Butanone	U	0.0105		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Carbon disulfide	U	0.0105		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Carbon tetrachloride	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Chlorobenzene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Chloroform	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,2-Dibromo-3-chloropropane	U	0.00105		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Dibromochloromethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,2-Dibromoethane	U	0.00210		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,2-Dichlorobenzene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,4-Dichlorobenzene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,1-Dichloroethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,2-Dichloroethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,1-Dichloroethene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*cis-1,2-Dichloroethene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*trans-1,2-Dichloroethene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,2-Dichloropropane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*cis-1,3-Dichloropropene	U	0.00314		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*trans-1,3-Dichloropropene	U	0.00314		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,3-Dichloropropene - Total	U	0.00314		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Ethylbenzene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*MTBE	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Methylene chloride	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Styrene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Tetrachloroethene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Toluene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,1,1-Trichloroethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*1,1,2-Trichloroethane	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Trichloroethene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Vinyl acetate	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Vinyl chloride	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage
Lab Order: 0020090
Client Sample ID: E-01
Lab ID: 0020090-01
Collection Date: 1/30/20 9:00
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*o-Xylene	U	0.00524		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*m,p-Xylene	U	0.0105		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
*Xylenes- Total	U	0.0157		mg/kg dry	1	2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
Surrogate: 4-Bromofluorobenzene		*94 %*		*75-120*		2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
Surrogate: 1,2-Dichloroethane-d4		*98 %*		*75-119*		2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
Surrogate: Toluene-d8		*87 %*		*78-114*		2/11/20 7:35	2/11/20 10:15	SW 8260B	CDM
Semivolatile Organics - PNA									
*Acenaphthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Anthracene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Benzo(a)anthracene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Benzo(b)fluoranthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Benzo(k)fluoranthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
***Benzo(a)pyrene**	**0.188**	0.0800	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Chrysene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Dibenzo(a,h)anthracene	U	0.0800	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Fluoranthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Fluorene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Indeno(1,2,3-cd)pyrene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Naphthalene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
*Pyrene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
Surrogate: 2-Fluorobiphenyl		*56 %*		*10-98.3*		2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
Surrogate: Nitrobenzene-d5		*48 %*		*10.7-94.9*		2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK
Surrogate: 4-Terphenyl-d14		*65 %*		*10-108*		2/4/20 12:30	2/4/20 19:28	SW 8270C	MAK

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090
Client Sample ID: E-03 **Lab ID:** 0020090-03
Collection Date: 1/30/20 13:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
General Chemistry									
Solids - total solids (TS)	**81**	0.050		%	1	2/4/20 8:17	2/4/20 9:48	SM 2540G	BCH
Total Metals									
Mercury	U	0.044		mg/kg dry	1	2/5/20 7:30	2/5/20 10:45	SW 7471	WMN
Arsenic	**9.7**	6.2		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Barium	**110**	2.5		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Cadmium	**0.32**	0.25		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Chromium	**21**	0.50		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Lead	**16**	5.0		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Selenium	U	1.2	Mrl	mg/kg dry	1	2/4/20 8:34	2/7/20 10:39	SW 6010	JMW1
Silver	U	0.62		mg/kg dry	1	2/4/20 8:34	2/5/20 14:07	SW 6010	JMW1
Volatile Organics									
*Acetone	U	1.32		mg/kg dry	25	2/11/20 11:35	2/11/20 12:27	SW 8260B	CDM
*Benzene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Bromodichloromethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Bromoform	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Bromomethane	U	0.00983		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
***2-Butanone**	**0.0427**	0.00983		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Carbon disulfide	U	0.00983		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Carbon tetrachloride	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Chlorobenzene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Chloroform	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,2-Dibromo-3-chloropropane	U	0.000983		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Dibromochloromethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,2-Dibromoethane	U	0.00197		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,2-Dichlorobenzene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,4-Dichlorobenzene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,1-Dichloroethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,2-Dichloroethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,1-Dichloroethene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*cis-1,2-Dichloroethene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*trans-1,2-Dichloroethene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,2-Dichloropropane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*cis-1,3-Dichloropropene	U	0.00295		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*trans-1,3-Dichloropropene	U	0.00295		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,3-Dichloropropene - Total	U	0.00295		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Ethylbenzene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*MTBE	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Methylene chloride	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Styrene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Tetrachloroethene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Toluene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,1,1-Trichloroethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*1,1,2-Trichloroethane	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Trichloroethene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Vinyl acetate	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Vinyl chloride	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage
Lab Order: 0020090
Client Sample ID: E-03
Lab ID: 0020090-03
Collection Date: 1/30/20 13:00
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*o-Xylene	U	0.00491		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*m,p-Xylene	U	0.00983		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
*Xylenes- Total	U	0.0147		mg/kg dry	1	2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
Surrogate: 4-Bromofluorobenzene		*95 %*		*75-120*		2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-120*		2/11/20 11:35	2/11/20 12:27	SW 8260B	CDM
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-119*		2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*75-119*		2/11/20 11:35	2/11/20 12:27	SW 8260B	CDM
Surrogate: Toluene-d8		*88 %*		*78-114*		2/11/20 11:35	2/11/20 12:27	SW 8260B	CDM
Surrogate: Toluene-d8		*88 %*		*78-114*		2/11/20 7:35	2/11/20 10:41	SW 8260B	CDM
Semivolatile Organics - PNA									
*Acenaphthene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Anthracene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Benzo(a)anthracene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Benzo(b)fluoranthene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Benzo(k)fluoranthene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
***Benzo(a)pyrene**	**0.0991**	0.0743	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Chrysene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Dibenzo(a,h)anthracene	U	0.0743	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Fluoranthene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Fluorene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Indeno(1,2,3-cd)pyrene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Naphthalene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
*Pyrene	U	0.372		mg/kg dry	1	2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
Surrogate: 2-Fluorobiphenyl		*71 %*		*10-98.3*		2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
Surrogate: Nitrobenzene-d5		*62 %*		*10.7-94.9*		2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK
Surrogate: 4-Terphenyl-d14		*82 %*		*10-108*		2/4/20 12:30	2/4/20 19:57	SW 8270C	MAK

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090
Client Sample ID: E-04 **Lab ID:** 0020090-04
Collection Date: 1/30/20 13:30 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
General Chemistry									
Solids - total solids (TS)	**75**	0.050		%	1	2/4/20 8:17	2/4/20 9:48	SM 2540G	BCH
Total Metals									
Mercury	U	0.053		mg/kg dry	1	2/5/20 7:30	2/5/20 10:45	SW 7471	WMN
Arsenic	**14**	6.7		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Barium	**130**	2.7		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Cadmium	**0.50**	0.27		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Chromium	**25**	0.53		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Lead	**31**	5.3		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Selenium	U	1.3	Mrl	mg/kg dry	1	2/4/20 8:34	2/7/20 10:44	SW 6010	JMW1
Silver	U	0.67		mg/kg dry	1	2/4/20 8:34	2/5/20 14:11	SW 6010	JMW1
Volatile Organics									
*Acetone	U	0.119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Benzene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Bromodichloromethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Bromoform	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Bromomethane	U	0.0119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*2-Butanone	U	0.0119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Carbon disulfide	U	0.0119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Carbon tetrachloride	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Chlorobenzene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Chloroform	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,2-Dibromo-3-chloropropane	U	0.00119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Dibromochloromethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,2-Dibromoethane	U	0.00238		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,2-Dichlorobenzene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,4-Dichlorobenzene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,1-Dichloroethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,2-Dichloroethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,1-Dichloroethene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*cis-1,2-Dichloroethene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*trans-1,2-Dichloroethene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,2-Dichloropropane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*cis-1,3-Dichloropropene	U	0.00357		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*trans-1,3-Dichloropropene	U	0.00357		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,3-Dichloropropene - Total	U	0.00357		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Ethylbenzene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*MTBE	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Methylene chloride	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Styrene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Tetrachloroethene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Toluene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,1,1-Trichloroethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*1,1,2-Trichloroethane	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Trichloroethene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Vinyl acetate	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Vinyl chloride	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage
Lab Order: 0020090
Client Sample ID: E-04
Lab ID: 0020090-04
Collection Date: 1/30/20 13:30
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*o-Xylene	U	0.00594		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*m,p-Xylene	U	0.0119		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
*Xylenes- Total	U	0.0178		mg/kg dry	1	2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
Surrogate: 4-Bromofluorobenzene		*92 %*		*75-120*		2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-119*		2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
Surrogate: Toluene-d8		*89 %*		*78-114*		2/11/20 11:35	2/11/20 12:53	SW 8260B	CDM
Semivolatile Organics - PNA									
*Acenaphthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Anthracene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Benzo(a)anthracene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Benzo(b)fluoranthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Benzo(k)fluoranthene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
***Benzo(a)pyrene**	**0.216**	0.0800	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Chrysene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Dibenzo(a,h)anthracene	U	0.0800	Mrl	mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
***Fluoranthene**	**0.442**	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Fluorene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Indeno(1,2,3-cd)pyrene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Naphthalene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
*Pyrene	U	0.400		mg/kg dry	1	2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
Surrogate: 2-Fluorobiphenyl		*58 %*		*10-98.3*		2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
Surrogate: Nitrobenzene-d5		*50 %*		*10.7-94.9*		2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK
Surrogate: 4-Terphenyl-d14		*64 %*		*10-108*		2/4/20 12:30	2/4/20 20:26	SW 8270C	MAK

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002825 - No Prep										
Blank (B002825-BLK1)				Prepared & Analyzed: 02/04/20 0						
Solids - total solids (TS)	U	0.050	%							
Duplicate (B002825-DUP1)		**Source: 0015394-24**		Prepared & Analyzed: 02/04/20 0						
Solids - total solids (TS)	81.2	0.050	%		81.3			0.06	5	
Duplicate (B002825-DUP2)		**Source: 0015394-28**		Prepared & Analyzed: 02/04/20 0						
Solids - total solids (TS)	81.4	0.050	%		81.1			0.4	5	

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002829 - 04 SW 3050B										
Blank (B002829-BLK1)				Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Arsenic	U	3.0	mg/kg wet							
Barium	U	2.0	mg/kg wet							
Cadmium	U	0.40	mg/kg wet							
Chromium	U	0.40	mg/kg wet							
Lead	U	2.0	mg/kg wet							
Selenium	U	2.0	mg/kg wet							
Silver	U	0.30	mg/kg wet							
Blank (B002829-BLK2)				Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Arsenic	U	3.0	mg/kg wet							
Barium	U	2.0	mg/kg wet							
Cadmium	U	0.40	mg/kg wet							
Chromium	U	0.40	mg/kg wet							
Lead	U	2.0	mg/kg wet							
Selenium	U	2.0	mg/kg wet							
Silver	U	0.30	mg/kg wet							
Blank (B002829-BLK3)				Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Arsenic	U	3.0	mg/kg wet							
Barium	U	2.0	mg/kg wet							
Cadmium	U	0.40	mg/kg wet							
Chromium	1.43	0.40	mg/kg wet							
Lead	U	2.0	mg/kg wet							
Selenium	U	2.0	mg/kg wet							
Silver	U	0.30	mg/kg wet							
Blank (B002829-BLK4)				Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Arsenic	U	3.0	mg/kg wet							
Barium	U	2.0	mg/kg wet							
Cadmium	U	0.40	mg/kg wet							
Chromium	U	0.40	mg/kg wet							
Lead	U	2.0	mg/kg wet							
Selenium	U	2.0	mg/kg wet							
Silver	U	0.30	mg/kg wet							

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002829 - 04 SW 3050B										
LCS (B002829-BS1)				Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Arsenic	19.2	3.0	mg/kg wet	20.00		96	80-120			
Barium	19.7	2.0	mg/kg wet	20.00		98	80-120			
Cadmium	19.4	0.40	mg/kg wet	20.00		97	80-120			
Chromium	19.5	0.40	mg/kg wet	20.00		98	80-120			
Lead	18.9	2.0	mg/kg wet	20.00		95	80-120			
Selenium	19.6	2.0	mg/kg wet	20.00		98	80-120			
Silver	4.81	0.30	mg/kg wet	5.000		96	80-120			
Matrix Spike (B002829-MS1)		**Source: 0015489-01**		Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Barium	96.6	2.6	mg/kg dry	26.45	69.4	103	75-125			
Cadmium	22.4	0.53	mg/kg dry	26.45	0.286	83	75-125			
Chromium	54.3	0.53	mg/kg dry	26.45	30.3	91	75-125			
Lead	28.7	2.6	mg/kg dry	26.45	7.17	81	75-125			
Selenium	23.6	2.6	mg/kg dry	26.45	ND	89	75-125			
Silver	5.46	0.40	mg/kg dry	6.614	ND	83	75-125			
Matrix Spike Dup (B002829-MSD1)		**Source: 0015489-01**		Prepared: 02/04/20 0 Analyzed: 02/05/20 1						
Barium	98.4	2.6	mg/kg dry	26.45	69.4	110	75-125	2	20	
Cadmium	22.0	0.53	mg/kg dry	26.45	0.286	82	75-125	2	20	
Chromium	58.6	0.53	mg/kg dry	26.45	30.3	107	75-125	8	20	
Lead	27.1	2.6	mg/kg dry	26.45	7.17	75	75-125	6	20	
Selenium	22.1	2.6	mg/kg dry	26.45	ND	83	75-125	6	20	
Silver	5.23	0.40	mg/kg dry	6.614	ND	79	75-125	4	20	
Batch B002953 - 04-SW 7471A										
Blank (B002953-BLK1)				Prepared: 02/05/20 0 Analyzed: 02/05/20 1						
Mercury	U	0.040	mg/kg wet							

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002953 - 04-SW 7471A										
LCS (B002953-BS1)				Prepared: 02/05/20 0 Analyzed: 02/05/20 1						
Mercury	0.966	0.040	mg/kg wet	1.000		97	80-120			
Matrix Spike (B002953-MS1)		**Source: 0020411-01**		Prepared: 02/05/20 0 Analyzed: 02/05/20 1						
Mercury	3.82	0.15	mg/kg dry	3.661	0.903	80	75-125			
Matrix Spike Dup (B002953-MSD1)		**Source: 0020411-01**		Prepared: 02/05/20 0 Analyzed: 02/05/20 1						
Mercury	4.22	0.16	mg/kg dry	3.943	0.903	84	75-125	10	20	

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B003473 - 06-SW 5035A VOA										
Blank (B003473-BLK1)				Prepared & Analyzed: 02/11/20 0						
Acetone	U	0.0500	mg/kg wet							
Benzene	U	0.00500	mg/kg wet							
Bromodichloromethane	U	0.00500	mg/kg wet							
Bromoform	U	0.00500	mg/kg wet							
Bromomethane	U	0.0100	mg/kg wet							
2-Butanone	U	0.0100	mg/kg wet							
Carbon disulfide	U	0.0100	mg/kg wet							
Carbon tetrachloride	U	0.00500	mg/kg wet							
Chlorobenzene	U	0.00500	mg/kg wet							
Chloroform	U	0.00500	mg/kg wet							
1,2-Dibromo-3-chloropropane	U	0.00100	mg/kg wet							
Dibromochloromethane	U	0.00500	mg/kg wet							
1,2-Dibromoethane	U	0.00200	mg/kg wet							
1,2-Dichlorobenzene	U	0.00500	mg/kg wet							
1,4-Dichlorobenzene	U	0.00500	mg/kg wet							
1,1-Dichloroethane	U	0.00500	mg/kg wet							
1,2-Dichloroethane	U	0.00500	mg/kg wet							
1,1-Dichloroethene	U	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	U	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	U	0.00500	mg/kg wet							
1,2-Dichloropropane	U	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	U	0.00300	mg/kg wet							
trans-1,3-Dichloropropene	U	0.00300	mg/kg wet							
1,3-Dichloropropene - Total	U	0.00300	mg/kg wet							
Ethylbenzene	U	0.00500	mg/kg wet							
MTBE	U	0.00500	mg/kg wet							
Methylene chloride	U	0.00500	mg/kg wet							
Styrene	U	0.00500	mg/kg wet							
Tetrachloroethene	U	0.00500	mg/kg wet							
Toluene	U	0.00500	mg/kg wet							
1,1,1-Trichloroethane	U	0.00500	mg/kg wet							
1,1,2-Trichloroethane	U	0.00500	mg/kg wet							
Trichloroethene	U	0.00500	mg/kg wet							
Vinyl acetate	U	0.00500	mg/kg wet							
Vinyl chloride	U	0.00500	mg/kg wet							
o-Xylene	U	0.00500	mg/kg wet							
m,p-Xylene	U	0.0100	mg/kg wet							
Xylenes- Total	U	0.0150	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0497*		*mg/kg wet*	*0.05000*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0454*		*mg/kg wet*	*0.05000*		*91*	*75-119*			
Surrogate: Toluene-d8	*0.0438*		*mg/kg wet*	*0.05000*		*88*	*78-114*			

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B003473 - 06-SW 5035A VOA										
LCS (B003473-BS1)				Prepared & Analyzed: 02/11/20 0						
Benzene	0.0449	0.00500	mg/kg wet	0.05000		90	80-130			
Chlorobenzene	0.0492	0.00500	mg/kg wet	0.05000		98	85-120			
1,1-Dichloroethene	0.0420	0.00500	mg/kg wet	0.05000		84	70-130			
Ethylbenzene	0.0496	0.00500	mg/kg wet	0.05000		99	77-132			
Toluene	0.0426	0.00500	mg/kg wet	0.05000		85	80-130			
Trichloroethene	0.0442	0.00500	mg/kg wet	0.05000		88	75-130			
o-Xylene	0.0499	0.00500	mg/kg wet	0.05000		100	80-130			
m,p-Xylene	0.0987	0.0100	mg/kg wet	0.1000		99	80-130			
Xylenes- Total	0.149	0.0150	mg/kg wet				80-130			
Surrogate: 4-Bromofluorobenzene	*0.0496*		*mg/kg wet*	*0.05000*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0449*		*mg/kg wet*	*0.05000*		*90*	*75-119*			
Surrogate: Toluene-d8	*0.0444*		*mg/kg wet*	*0.05000*		*89*	*78-114*			
Matrix Spike (B003473-MS1)		**Source: 0020090-04**		Prepared: 02/11/20 0 Analyzed: 02/11/20 1						
Benzene	0.0692	0.00741	mg/kg dry	0.07408	ND	93	50-140			
Chlorobenzene	0.0743	0.00741	mg/kg dry	0.07408	ND	100	60-130			
Toluene	0.0650	0.00741	mg/kg dry	0.07408	0.00246	84	55-130			
Trichloroethene	0.0698	0.00741	mg/kg dry	0.07408	ND	94	60-130			
o-Xylene	0.0755	0.00741	mg/kg dry	0.07408	ND	102	60-130			
m,p-Xylene	0.153	0.0148	mg/kg dry	0.1482	ND	103	60-130			
Xylenes- Total	0.229	0.0222	mg/kg dry		ND		60-130			
Surrogate: 4-Bromofluorobenzene	*0.0687*		*mg/kg dry*	*0.07408*		*93*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0666*		*mg/kg dry*	*0.07408*		*90*	*75-119*			
Surrogate: Toluene-d8	*0.0662*		*mg/kg dry*	*0.07408*		*89*	*78-114*			
Matrix Spike Dup (B003473-MSD1)		**Source: 0020090-04**		Prepared: 02/11/20 0 Analyzed: 02/11/20 1						
Benzene	0.0460	0.00741	mg/kg dry	0.07408	ND	62	50-140	40	20	R
Chlorobenzene	U	0.00741	mg/kg dry	0.07408	ND		60-130		20	Q2
Toluene	0.0486	0.00741	mg/kg dry	0.07408	0.00246	62	55-130	29	25	R
Trichloroethene	U	0.00741	mg/kg dry	0.07408	ND		60-130		20	Q2
o-Xylene	0.0509	0.00741	mg/kg dry	0.07408	ND	69	60-130	39	25	R
m,p-Xylene	0.0982	0.0148	mg/kg dry	0.1482	ND	66	60-130	44	25	R
Xylenes- Total	0.149	0.0222	mg/kg dry		ND		60-130	42	25	R
Surrogate: 4-Bromofluorobenzene	*0.0734*		*mg/kg dry*	*0.07408*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0772*		*mg/kg dry*	*0.07408*		*104*	*75-119*			
Surrogate: Toluene-d8	*0.0656*		*mg/kg dry*	*0.07408*		*89*	*78-114*			

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Semivolatile Organics - PNA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002784 - 04 SW 3550 (625/8270)										
Blank (B002784-BLK1)				Prepared: 02/04/20 0 Analyzed: 02/04/20 1						
Acenaphthene	U	0.300	mg/kg wet							
Anthracene	U	0.300	mg/kg wet							
Benzo(a)anthracene	U	0.300	mg/kg wet							
Benzo(b)fluoranthene	U	0.300	mg/kg wet							
Benzo(k)fluoranthene	U	0.300	mg/kg wet							
Benzo(a)pyrene	U	0.0600	mg/kg wet							
Chrysene	U	0.300	mg/kg wet							
Dibenzo(a,h)anthracene	U	0.0600	mg/kg wet							
Fluoranthene	U	0.300	mg/kg wet							
Fluorene	U	0.300	mg/kg wet							
Indeno(1,2,3-cd)pyrene	U	0.300	mg/kg wet							
Naphthalene	U	0.300	mg/kg wet							
Pyrene	U	0.300	mg/kg wet							
Surrogate: 2-Fluorobiphenyl	*1.96*		*mg/kg wet*	*2.668*		*74*	*38-122*			
Surrogate: Nitrobenzene-d5	*1.71*		*mg/kg wet*	*2.668*		*64*	*45-136*			
Surrogate: 4-Terphenyl-d14	*2.34*		*mg/kg wet*	*2.668*		*88*	*57-122*			
LCS (B002784-BS1)				Prepared: 02/04/20 0 Analyzed: 02/04/20 1						
Acenaphthene	1.84	0.300	mg/kg wet	2.666		69	50-135			
Acenaphthylene	1.83	0.300	mg/kg wet	2.666		69	51-134			
Anthracene	1.87	0.300	mg/kg wet	2.666		70	52-117			
Benzo(a)anthracene	1.97	0.300	mg/kg wet	2.666		74	50-126			
Benzo(b)fluoranthene	2.04	0.300	mg/kg wet	2.666		76	57-134			
Benzo(k)fluoranthene	2.01	0.300	mg/kg wet	2.666		75	59-168			
Benzo(g,h,i)perylene	1.93	0.300	mg/kg wet	2.666		73	56-147			
Benzo(a)pyrene	2.06	0.0600	mg/kg wet	2.666		77	41-133			
Chrysene	1.84	0.300	mg/kg wet	2.666		69	52-127			
Dibenzo(a,h)anthracene	1.99	0.0600	mg/kg wet	2.666		75	60-170			
Fluoranthene	1.95	0.300	mg/kg wet	2.666		73	57-130			
Fluorene	1.92	0.300	mg/kg wet	2.666		72	47-154			
Indeno(1,2,3-cd)pyrene	1.94	0.300	mg/kg wet	2.666		73	59-132			
Naphthalene	1.73	0.300	mg/kg wet	2.666		65	40-135			
Phenanthrene	1.92	0.300	mg/kg wet	2.666		72	54-126			
Pyrene	1.88	0.300	mg/kg wet	2.666		71	57-132			
Surrogate: 2-Fluorobiphenyl	*1.83*		*mg/kg wet*	*2.666*		*69*	*38-122*			
Surrogate: Nitrobenzene-d5	*1.62*		*mg/kg wet*	*2.666*		*61*	*45-136*			
Surrogate: 4-Terphenyl-d14	*2.14*		*mg/kg wet*	*2.666*		*80*	*57-122*			

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Semivolatile Organics - PNA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B002784 - 04 SW 3550 (625/8270)										
Matrix Spike (B002784-MS1)	**Source: 0015343-01**			Prepared: 02/04/20 0 Analyzed: 02/04/20 1						
Acenaphthene	1.97	0.362	mg/kg dry	3.221	ND	61	50-135			
Acenaphthylene	1.97	0.362	mg/kg dry	3.221	ND	61	51-134			
Anthracene	1.98	0.362	mg/kg dry	3.221	ND	61	52-117			
Benzo(a)anthracene	2.10	0.362	mg/kg dry	3.221	0.00963	65	50-126			
Benzo(b)fluoranthene	2.15	0.362	mg/kg dry	3.221	0.00729	66	57-134			
Benzo(k)fluoranthene	2.04	0.362	mg/kg dry	3.221	ND	63	59-168			
Benzo(g,h,i)perylene	1.94	0.362	mg/kg dry	3.221	0.00482	60	56-147			
Benzo(a)pyrene	2.13	0.0724	mg/kg dry	3.221	ND	66	41-133			
Chrysene	1.94	0.362	mg/kg dry	3.221	0.00660	60	52-127			
Dibenzo(a,h)anthracene	2.08	0.0724	mg/kg dry	3.221	ND	65	60-170			
Fluoranthene	2.07	0.362	mg/kg dry	3.221	0.0121	64	57-130			
Fluorene	2.06	0.362	mg/kg dry	3.221	ND	64	47-154			
Indeno(1,2,3-cd)pyrene	1.92	0.362	mg/kg dry	3.221	0.00401	60	59-132			
Naphthalene	1.91	0.362	mg/kg dry	3.221	ND	59	40-135			
Phenanthrene	2.01	0.362	mg/kg dry	3.221	0.00789	62	54-126			
Pyrene	2.01	0.362	mg/kg dry	3.221	0.0111	62	57-132			
Surrogate: 2-Fluorobiphenyl	*1.31*		*mg/kg dry*	*3.221*		*41*	*38-122*			
Surrogate: Nitrobenzene-d5	*1.56*		*mg/kg dry*	*3.221*		*48*	*45-136*			
Surrogate: 4-Terphenyl-d14	*1.72*		*mg/kg dry*	*3.221*		*53*	*57-122*			
Matrix Spike Dup (B002784-MSD1)	**Source: 0015343-01**			Prepared: 02/04/20 0 Analyzed: 02/04/20 1						
Acenaphthene	1.93	0.362	mg/kg dry	3.219	ND	60	50-135	2	20	
Acenaphthylene	1.92	0.362	mg/kg dry	3.219	ND	60	51-134	3	20	
Anthracene	1.94	0.362	mg/kg dry	3.219	ND	60	52-117	2	20	
Benzo(a)anthracene	2.03	0.362	mg/kg dry	3.219	0.00963	63	50-126	4	20	
Benzo(b)fluoranthene	2.03	0.362	mg/kg dry	3.219	0.00729	63	57-134	6	20	
Benzo(k)fluoranthene	1.97	0.362	mg/kg dry	3.219	ND	61	59-168	4	20	
Benzo(g,h,i)perylene	1.84	0.362	mg/kg dry	3.219	0.00482	57	56-147	5	20	
Benzo(a)pyrene	2.05	0.0724	mg/kg dry	3.219	ND	64	41-133	4	20	
Chrysene	1.82	0.362	mg/kg dry	3.219	0.00660	56	52-127	6	20	
Dibenzo(a,h)anthracene	2.00	0.0724	mg/kg dry	3.219	ND	62	60-170	4	20	
Fluoranthene	2.00	0.362	mg/kg dry	3.219	0.0121	62	57-130	3	20	
Fluorene	2.03	0.362	mg/kg dry	3.219	ND	63	47-154	1	20	
Indeno(1,2,3-cd)pyrene	1.85	0.362	mg/kg dry	3.219	0.00401	57	59-132	4	20	
Naphthalene	1.86	0.362	mg/kg dry	3.219	ND	58	40-135	3	20	
Phenanthrene	1.97	0.362	mg/kg dry	3.219	0.00789	61	54-126	2	20	
Pyrene	1.95	0.362	mg/kg dry	3.219	0.0111	60	57-132	3	20	
Surrogate: 2-Fluorobiphenyl	*1.53*		*mg/kg dry*	*3.219*		*47*	*38-122*			
Surrogate: Nitrobenzene-d5	*1.61*		*mg/kg dry*	*3.219*		*50*	*45-136*			
Surrogate: 4-Terphenyl-d14	*1.91*		*mg/kg dry*	*3.219*		*59*	*57-122*			

LABORATORY RESULTS

Client: Rubino Engineering Inc.
Project: G19115 DuPage **Lab Order:** 0020090

Notes and Definitions

R	Matrix Spike/Matrix Spike Duplicate Failed %Relative Percent Difference criterion.
Q2	Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
Mrl	Reporting limit set between LOQ and MDL
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

PDC LABORATORIES, INC.
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REGULATORY PROGRAM (Check one:)			
MORBCA	☐	NPDES	☐
CCDD	☒	RCRA	☐
		TACO: RES OR IND/COMM	☐

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED: IL

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
Rubino Engineering, Inc.	6191115	Du Page	
ADDRESS	**PHONE NUMBER**	**E-MAIL**	**DATE SHIPPED**
425 Shepard Drive	847-931-1555	anthony@rubinoeng.com	
CITY STATE ZIP	**SAMPLER (PLEASE PRINT)**	**MATRIX TYPES:**	
Elgin IL, 60123	ANTHONY TOMARAS	WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID	
CONTACT PERSON	**SAMPLER'S SIGNATURE**		
Anthony Tomaras			

2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE (CLIENT PROVIDED)	3 ANALYSIS REQUESTED: VOCs	PNAs	Total RCRA Metals	Hold				REMARKS
E-01	1/30/20	9:00 am	✓		SO	5		✓	✓	✓					
E-02	1/30/20	9:15 am	✓		SO	4					✓				
E-03	1/30/20	1 PM	✓		SO	5		✓	✓	✓					
E-04	1/30/20	1:30 PM	✓		SO	5		✓	✓	✓					

4 (FOR LAB USE ONLY)
LOGIN # 0020090
LOGGED BY:
CLIENT:
PROJECT:
PROJ. MGR.:
CUSTODY SEAL #:

CHEMICAL PRESERVATION CODES: 1 – HCL | 2 – H_2SO_4 | 3 – HNO_3 | 4 – NAOH | 5 – $NA_2S_2O_3$ | 6 – UNPRESERVED | 7 – OTHER

5 TURNAROUND TIME REQUESTED (PLEASE CHECK) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) ☑ NORMAL ☑ RUSH

DATE RESULTS NEEDED: 2/10/20

RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL ☐ PHONE ☐

EMAIL IF DIFFERENT FROM ABOVE:

PHONE # IF DIFFERENT FROM ABOVE:

Rush on RCRA Metals

6 *I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.*

PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____

7	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	2/3/2020	733		2/3/2020	733
RELINQUISHED BY: (SIGNATURE)	2/3/20	1700	RECEIVED BY: (SIGNATURE)	2/4/20	1300
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT: 3.5 °C

CHILL PROCESS STARTED PRIOR TO RECEIPT: Y (OR) N

SAMPLE(S) RECEIVED ON ICE: (Y) OR N

SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED: Y OR (N)

DATE AND TIME TAKEN FROM SAMPLE BOTTLE: _____

Qualtrax ID #3219

rubino ENGINEERING INC.

ASTM D4972-01
Standard Test Method for pH of Soils

		Date:	2-Feb-20
Project Number:	G19.115	**Performed by:**	Myrna Fleege
Project Name:		**Title:**	Lab Technician
	Warrenville Road	**Signature:**	My Fleege
City, State:	Lisle, IL	**Client:**	Strand Associates, Inc.
Method Used:	ASTM D4972-01 Method A Calcium Chloride Solution (0.01M)	**Client Address:**	1170 South Houbolt Road Joliet, IL 60431
pH Meter Mfgr:	Ohaus Corporation	**Prior Calibration:**	8/08/19 @ 12:08pm
Model #	ST Series PH Analysis Pen	**Calibration:**	11/12/19 @ 10:30am

Location	Depth (ft)	Sample Type	Mass of Soil (g)	pH in Calcium Chloride Solution	pH in Distilled Water
E-01	3 - 4	Grab	10	7.6	8.2
E-03	2 - 3	Grab	10	7.8	8.2
E-04	1 - 3	Grab	10	7.3	7.6

Illinois Department of Transportation

Memorandum

To:	Programming Bureau Chief	Attention: Jeffrey Williams
From:	Fawad Aqueel	By: Kari Smith
Subject:	Risk Managed Project	
Date:	August 15, 2022	

Refer to:

Project Job No.: N/A
District: 1
County: DuPage
Municipality: Lisle
Route: FAU 1479
Marked: CH 3
Street: Warrenville Road
From To/At: W/o I-88 Bridge Over Warrenville Road to E/o IL 53

RMP No.: 1659
BDE Sequence No.: 23557
Requesting Agency: Local
Contract No.: N/A
Section No.: 20-SDWLK-05-SW
ISGS PESA No.: 4053-COV
Letting Date: September 13, 2022

We have reviewed your tasking order for this project along with the estimated cost to manage potentially contaminated soil. We concur that monitoring of the project site would be more cost effective than preparing a PSI. Therefore, attached is a copy of the Special Provision regarding the above referenced project.

If the District wants to pursue construction in the area of soil contamination, the Contractor performing the on-site monitoring of regulated substance work and/or on-site monitoring of UST removal shall be pre-qualified in Hazardous Waste by the Department or provide demonstration of acceptable project experience. Based on the supporting documentation provided, if the District wants to pursue construction in the area of soil contamination, The Contractor performing the on-site monitoring of regulated substance work and/or on-site monitoring of UST removal shall be pre-qualified in Hazardous Waste by the Department, or demonstration of acceptable project experience. Acceptable project experience is defined on BDE 2730 Section 2.A. Acceptable project experience is to be documented on BDE 2730 Section 2.B.

Acceptable qualifications shall also be demonstrated with project experience in remediation and regulated substances operations for contaminated sites in accordance with applicable federal, State, or local regulatory requirements. Documentation of qualifications shall be provided to the Engineer for evaluation and acceptance using BDE 2730 (Regulated Substances Pre-Construction Plan). Acceptable project documentation shall include, at a minimum, the regulatory identification numbers, project completion dates, and description of the Contractor's role in the projects.

The qualified on-site monitoring personnel performing work shall have a minimum of one-year experience in similar activities as those required for the project and shall meet Section 669 of the Standard Specifications for Road and Bridge Construction requirements.

The following areas should be monitored by the Environmental Firm for soil contamination and workers protection.

Site 4053-COV-3: ROW – 4000 Block of IL 53 (NW Quadrant of Intersection of IL 53 and Warrenville Road), Lisle, DuPage County

- Station 209+00 to Station 212+00 (measured as shown on construction plans), 0 to 15 feet LT. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminants of concern sampling parameters: VOCs, SVOCs and Metals.

Work Zones

Three distinct OSHA HAZWOPER work zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within sites with documented leaking underground storage tank (LUST) incidents, or sites under management in accordance with the requirements of the Site Remediation Program (SRP), Resource Conservation and Recovery Act (RCRA), or Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or as deemed necessary. For this project, the work zones apply for the following ISGS PESA Sites**: None**

Any waste generated as a special waste or a waste not certified as a non-special waste from this project should be manifested off-site using the IEPA Bureau of Land generator number associated with IDOT right-of-way in the affected county. **The IEPA generator number for IDOT right-of-way in DuPage County is 0438995010.**

The pay items in the Special Provision should be included in the contract plans, with the following quantities:

Pay Item Number	Pay Item	Quantity
66900200	NON-SPECIAL WASTE DISPOSAL	45 Cubic Yards
66900530	SOIL DISPOSAL ANALYSIS	1 Each
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	Lump Sum
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	Lump Sum
66901006	REGULATED SUBSTANCES MONITORING	Days

It is the opinion of this office in consultation with the Chief Counsel's Office, that we have exercised due diligence and that any remedial work be documented and provided to Bureau of Design and Environment for transmittal to Chief Counsel's

Office for potential illegal trespass action. If you have any questions or comments, please contact Craig McCammack at 847-705-5184.

Attachment

KS:cam

cc: Central Land Acquisition (w/o attachments)
District Land Acquisition (w/o attachments)
District Utilities Coordinator (w/o attachments)
District Programming (via email)

H:\Special Waste - Phase II\RMP\1659-4053COVrmp 20-SDWLK-05-SW.docx

- **IDOT HIGHWAY STANDARDS** [redacted]

ABV	ABOVE
A/C	ACCESS CONTROL
AC	ACRE
ADJ	ADJUST
AS	AERIAL SURVEYS
AGG	AGGREGATE
AH	AHEAD
APT	APARTMENT
ASPH	ASPHALT
AUX	AUXILIARY
AGS	AUXILIARY GAS VALVE (SERVICE)
AVE	AVENUE
AX	AXIS OF ROTATION
BK	BACK
B-B	BACK TO BACK
BKPL	BACKPLATE
B	BARN
BARR	BARRICADE
BL	BASELINE
BGN	BEGIN
BM	BENCHMARK
BIND	BINDER
BIT	BITUMINOUS
BTM	BOTTOM
BLVD	BOULEVARD
BRK	BRICK
BBOX	BUFFALO BOX
BLDG	BUILDING
CATV	CABLE
CIP	CAST IRON PIPE
CB	CATCH BASIN
C-C	CENTER TO CENTER
CL	CENTERLINE OR CLEARANCE
CL-E	CENTERLINE TO EDGE
CL-F	CENTERLINE TO FACE
CTS	CENTERS
CERT	CERTIFIED
CHSLD	CHISELED
CS	CITY STREET
CP	CLAY PIPE
CLSD	CLOSED
CLID	CLOSED LID
CT	COAT OR COURT
COMB	COMBINATION
C	COMMERCIAL BUILDING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CONST	CONSTRUCT
CONTD	CONTINUED
CONT	CONTINUOUS
COR	CORNER
CORR	CORRUGATED
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CH	COUNTY HIGHWAY
CSE	COURSE
XSECT	CROSS SECTION
m^3	CUBIC METER
mm^3	CUBIC MILLIMETER
CU YD	CUBIC YARD
CULV	CULVERT
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DC	DEPRESSED CURVE
DET	DETECTOR
DIA	DIAMETER
DIST	DISTRICT
DOM	DOMESTIC
DBL	DOUBLE
DSEL	DOWNSTREAM ELEVATION
DSFL	DOWNSTREAM FLOWLINE
DR	DRAINAGE OR DRIVE
DI	DRAINAGE INLET OR DROP INLET
DRV	DRIVEWAY
DCT	DUCT
EA	EACH
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
E-CL	EDGE TO CENTERLINE
E-E	EDGE TO EDGE
ELEC	ELECRICAL
EL	ELEVATION
ENTR	ENTRANCE
EXC	EXCAVATION
EX	EXISTING
EXPWAY	EXPRESSWAY
E	EXTERNAL DISTANCE OF HORIZONTAL CURVE
E	OFFSET DISTANCE TO VERTICAL CURVE
F-F	FACE TO FACE
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FP	FENCE POST
OPT	FIBER OPTIC
FE	FIELD ENTRANCE
FH	FIRE HYDRANT
FL	FLOW LINE
FB	FOOT BRIDGE
FDN	FOUNDATION
FR	FRAME
F&G	FRAME & GRATE
FRWAY	FREEWAY
GAL	GALLON
GALV	GALVANIZED
G	GARAGE
GM	GAS METER
GV	GAS VALVE
GIS	GEOGRAPHICAL INFORMATION SYSTEM
GRAN	GRANULAR
GR	GRATE
GRVL	GRAVEL
GND	GROUND
GUT	GUTTER
GP	GUY POLE
GW	GUY WIRE
HH	HANDHOLE
HATCH	HATCHING
HD	HEAD
HDW	HEADWALL
HDUTY	HEAVY DUTY
ha	HECTARE
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
HORIZ	HORIZONTAL
HSE	HOUSE
IL	ILLINOIS
IMP	IMPROVEMENT
IN DIA	INCH DIAMETER
INL	INLET
INST	INSTALLATION
IDS	INTERSECTION DESIGN STUDY
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
JT	JOINT
kg	KILOGRAM
km	KILOMETER
LS	LANDSCAPING
LN	LANE
LT	LEFT
LIDAR	LIGHT DETECTION AND RANGING
LP	LIGHT POLE
LGT	LIGHTING
LF	LINEAL FEET OR LINEAR FEET
L	LITER OR CURVE LENGTH
LC	LONG CHORD
LNG	LONGITUDINAL
L SUM	LUMP SUM
MACH	MACHINE
MB	MAIL BOX
MH	MANHOLE
MATL	MATERIAL
MED	MEDIAN
m	METER
METH	METHOD
M	MID-ORDINATE
mm	MILLIMETER
mm DIA	MILLIMETER DIAMETER
MIX	MIXTURE
MBH	MOBILE HOME
MOD	MODIFIED
MFT	MOTOR FUEL TAX
N & BC	NAIL & BOTTLE CAP
N & C	NAIL & CAP
N & W	NAIL & WASHER
NC	NORMAL CROWN
NB	NORTHBOUND
NE	NORTHEAST
NW	NORTHWEST
O/S	OFFSET
O&C	OIL AND CHIP
OLID	OPEN LID
PAT	PATTERN
PVD	PAVED
PVMT	PAVEMENT
PM	PAVEMENT MARKING
PED	PEDESTAL
PNT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION OF HORIZONTAL CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
POT	POINT ON TANGENT
POLYETH	POLYETHYLENE
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE OR PRINCIPAL POINT
PRM	PRIME
PE	PRIVATE ENTRANCE
PROF	PROFILE
PGL	PROFILE GRADELINE
PROJ	PROJECT
P.C.	PROPERTY CORNER
PL	PROPERTY LINE
PR	PROPOSED
R	RADIUS or RESIDENTUAL
RR	RAILROAD
RRS	RAILROAD SPIKE
RPS	REFERENCE POINT STAKE
REF	REFLECTIVE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REINF	REINFORCEMENT
REM	REMOVAL
RC	REMOVE CROWN
REP	REPLACEMENT
REST	RESTAURANT
RESURF	RESURFACING
RET	RETAINING
RT	RIGHT
ROW	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
RTE	ROUTE
SAN	SANITARY
SANS	SANITARY SEWER
SEC	SECTION
SEED	SEEDING
SHAP	SHAPING
S	SHED
SH	SHEET
SHLD	SHOULDER
SW	SIDEWALK OR SOUTHWEST
SIG	SIGNAL
SOD	SODDING
SM	SOLID MEDIAN
SB	SOUTHBOUND
SE	SOUTHEAST
SPL	SPECIAL
SD	SPECIAL DITCH
SQ FT	SQUARE FEET
m^2	SQUARE METER
mm^2	SQUARE MILLIMETER
SQ YD	SQUARE YARD
STB	STABILIZED
STD	STANDARD
SBI	STATE BOND ISSUE
SR	STATE ROUTE
STA	STATION
SPBGR	STEEL PLATE BEAM GUARDRAIL
SS	STORM SEWER
STY	STORY
ST	STREET
STR	STRUCTURE
e	SUPERELEVATION RATE
S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
SURF	SURFACE
SMK	SURVEY MARKER
T	TANGENT DISTANCE
T.R.	TANGENT RUNOUT DISTANCE
TEL	TELEPHONE
TB	TELEPHONE BOX
TP	TELEPHONE POLE
TEMP	TEMPORARY
TBM	TEMPORARY BENCH MARK
TD	TILE DRAIN
TBE	TO BE EXTENDED
TBR	TO BE REMOVED
TBS	TO BE SAVED
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
TS	TRAFFIC SIGNAL
TSCB	TRAFFIC SIGNAL CONTROL BOX
TSC	TRAFFIC SYSTEMS CENTER
TRVS	TRANSVERSE
TRVL	TRAVEL
TRN	TURN
TY	TYPE
T-A	TYPE A
TYP	TYPICAL
UNDGND	UNDERGROUND
USGS	U.S. GEOLOGICAL SURVEY
USEL	UPSTREAM ELEVATION
USFL	UPSTREAM FLOWLINE
UTIL	UTILITY
VBOX	VALVE BOX
VV	VALVE VAULT
VLT	VAULT
VEH	VEHICLE
VP	VENT PIPE
VERT	VERTICAL
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
WM	WATER METER
WV	WATER VALVE
WMAIN	WATER MAIN
WB	WESTBOUND
WILDFL	WILDFLOWERS
W	WITH
WO	WITHOUT

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-21	Updated fonts, abbreviations
	and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-08

ADJUSTMENT ITEMS

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

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ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)	EX. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Chiseled Square Found		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-08

EROSION & SEDIMENT CONTROL ITEMS

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

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

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NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
ITS* Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	

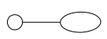
LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		

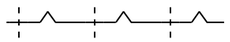
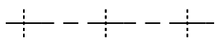
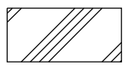
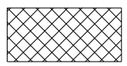
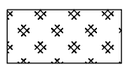
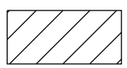
STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-08

LIGHTING (contd.)

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

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

Illinois Department of Transportation

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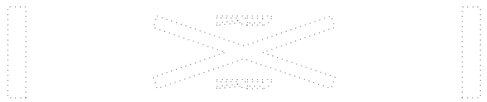
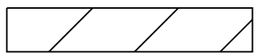
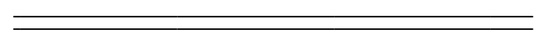
ISSUED 1-1-97

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised 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		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 4 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS (contd.)

	EX	PR
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 Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Urban LT & RT Turn Arrow		
Urban Thru Arrow		

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 Tic		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 5 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS (contd.)

	EX	PR
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		
Rural Thru Arrow		
Rural Lt & Rt Turn Arrow		
Bike Lane Symbol		
Bike Lane Text		BIKE LANE
Bike Path Shared		
Bike Shared Roadway		
Lane Drop Symbol		
Wrong Way Arrow		

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APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-08

RIGHT OF WAY ITEMS (contd.)

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

ROADWAY PLAN ITEMS

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

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ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV= L = E =	VPI = ELEV= L = E =
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		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels 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(O) (Half Size)		DETOUR AHEAD
Left Lane Closed Ahead W20-5L(O) (Half Size)		LEFT LANE CLOSED AHEAD
Right Lane Closed Ahead W20-5R(O) (Half Size)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3(O) (Half Size)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(O) (Half Size)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead (Half Size)		SINGLE LANE AHEAD
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 7 of 9)

STANDARD 000001-08

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		DETOUR
Detour M4-10R-(O) (Half Size)		DETOUR
One Way Left R6-1L (Half Size)		ONE WAY
One Way Right R6-1R (Half Size)		ONE WAY
Left Turn Lane R3-I100L (Half Size)		LEFT TURN LANE
Keep Left R4-7AL (Half Size)		KEEP LEFT
Keep Left R4-7BL (Half Size)		KEEP LEFT
Keep Right R4-7AR (Half Size)		KEEP RIGHT
Keep Right R4-7BR (Half Size)		KEEP RIGHT
Stop Here On Red R10-6-AL (Half Size)		STOP HERE ON RED
Stop Here On Red R10-6-AR (Half Size)		STOP HERE ON RED
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		ROAD CLOSED
Road Closed Thru Traffic R11-2 (Half Size)		ROAD CLOSED TO THRU TRAFFIC

Illinois Department of Transportation

PASSED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

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	G	G
Left Turn Yellow	Y	Y
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters	DW W	DW W
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 Quadrapole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 8 of 9)

STANDARD 000001-08

TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

Illinois Department of Transportation

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ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV	CTV	CTV	CTV
Electric Cable	E	E	E
Fiber Optic	FO	FO	FO
Gas Pipe	G	G	G
Oil Pipe	O	O	O
Sanitary Sewer			
Telephone Cable	T	T	T
Water Pipe	W	W	W

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line	A A	A A

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

STANDARD 000001-08

DECIMAL OF AN INCH AND OF A FOOT

A		B
	0.0052	1/16
	0.0104	1/8
1/64	0.015625	3/16
	0.0208	1/4
	0.0260	5/16
1/32	0.03125	3/8
	0.0365	7/16
	0.0417	1/2
3/64	0.046875	9/16
	0.0521	5/8
	0.0573	11/16
1/16	0.0625	3/4
	0.0677	13/16
	0.0729	7/8
5/64	0.078125	15/16
	0.0833	1
	0.0885	1 1/16
3/32	0.09375	1 1/8
	0.0990	1 3/16
	0.1042	1 1/4
7/64	0.109375	1 5/16
	0.1146	1 3/8
	0.1198	1 7/16
1/8	0.1250	1 1/2
	0.1302	1 9/16
	0.1354	1 5/8
9/64	0.140625	1 11/16
	0.1458	1 3/4
	0.1510	1 13/16
5/32	0.15625	1 7/8
	0.1615	1 15/16
	0.1667	2

A		B
11/64	0.171875	2 1/16
	0.1771	2 1/8
	0.1823	2 3/16
3/16	0.1875	2 1/4
	0.1927	2 5/16
	0.1979	2 3/8
13/64	0.203125	2 7/16
	0.2083	2 1/2
	0.2135	2 9/16
7/32	0.21875	2 5/8
	0.2240	2 11/16
	0.2292	2 3/4
15/64	0.234375	2 13/16
	0.2396	2 7/8
	0.2448	2 15/16
1/4	0.2500	3
	0.2552	3 1/16
	0.2604	3 1/8
17/64	0.265625	3 3/16
	0.2708	3 1/4
	0.2760	3 5/16
9/32	0.28125	3 3/8
	0.2865	3 7/16
	0.2917	3 1/2
19/64	0.296875	3 9/16
	0.3021	3 5/8
	0.3073	3 11/16
5/16	0.3125	3 3/4
	0.3177	3 13/16
	0.3229	3 7/8
21/64	0.328125	3 15/16
	0.3333	4

A		B
	0.3385	4 1/16
11/32	0.34375	4 1/8
	0.3490	4 3/16
	0.3542	4 1/4
23/64	0.359375	4 5/16
	0.3646	4 3/8
	0.3698	4 7/16
3/8	0.3750	4 1/2
	0.3802	4 9/16
	0.3854	4 5/8
25/64	0.390625	4 11/16
	0.3958	4 3/4
	0.4010	4 13/16
13/32	0.40625	4 7/8
	0.4115	4 15/16
	0.4167	5
27/64	0.421875	5 1/16
	0.4271	5 1/8
	0.4323	5 3/16
7/16	0.4375	5 1/4
	0.4427	5 5/16
	0.4479	5 3/8
29/64	0.453125	5 7/16
	0.4583	5 1/2
	0.4635	5 9/16
15/32	0.46875	5 5/8
	0.4740	5 11/16
	0.4792	5 3/4
31/64	0.484375	5 13/16
	0.4896	5 7/8
	0.4948	5 15/16
1/2	0.5000	6

A		B
	0.5052	6 1/16
	0.5104	6 1/8
33/64	0.515625	6 3/16
	0.5208	6 1/4
	0.5260	6 5/16
17/32	0.53125	6 3/8
	0.5365	6 7/16
	0.5417	6 1/2
35/64	0.546875	6 9/16
	0.5521	6 5/8
	0.5573	6 11/16
9/16	0.5625	6 3/4
	0.5677	6 13/16
	0.5729	6 7/8
37/64	0.578125	6 15/16
	0.5833	7
	0.5885	7 1/16
19/32	0.59375	7 1/8
	0.5990	7 3/16
	0.6042	7 1/4
39/64	0.609375	7 5/16
	0.6146	7 3/8
	0.6198	7 7/16
5/8	0.6250	7 1/2
	0.6302	7 9/16
	0.6354	7 5/8
41/64	0.640625	7 11/16
	0.6458	7 3/4
	0.6510	7 13/16
21/32	0.65625	7 7/8
	0.6615	7 15/16
	0.6667	8

A		B
43/64	0.671875	8 1/16
	0.6771	8 1/8
	0.6823	8 3/16
11/16	0.6875	8 1/4
	0.6927	8 5/16
	0.6979	8 3/8
45/64	0.703125	8 7/16
	0.7083	8 1/2
	0.7135	8 9/16
23/32	0.71875	8 5/8
	0.7240	8 11/16
	0.7292	8 3/4
47/64	0.734375	8 13/16
	0.7396	8 7/8
	0.7448	8 15/16
3/4	0.7500	9
	0.7552	9 1/16
	0.7604	9 1/8
49/64	0.765625	9 3/16
	0.7708	9 1/4
	0.7760	9 5/16
25/32	0.78125	9 3/8
	0.7865	9 7/16
	0.7917	9 1/2
51/64	0.796875	9 9/16
	0.8021	9 5/8
	0.8073	9 11/16
13/16	0.8125	9 3/4
	0.8177	9 13/16
	0.8229	9 7/8
53/64	0.828125	9 15/16
	0.8333	10

A		B
	0.8385	10 1/16
27/32	0.84375	10 1/8
	0.8490	10 3/16
	0.8542	10 1/4
55/64	0.859375	10 5/16
	0.8646	10 3/8
	0.8698	10 7/16
7/8	0.8750	10 1/2
	0.8802	10 9/16
	0.8854	10 5/8
57/64	0.890625	10 11/16
	0.8958	10 3/4
	0.9010	10 13/16
29/32	0.90625	10 7/8
	0.9115	10 15/16
	0.9167	11
59/64	0.921875	11 1/16
	0.9271	11 1/8
	0.9323	11 3/16
15/16	0.9375	11 1/4
	0.9427	11 5/16
	0.9479	11 3/8
61/64	0.953125	11 7/16
	0.9583	11 1/2
	0.9635	11 9/16
31/32	0.96875	11 5/8
	0.9740	11 11/16
	0.9792	11 3/4
63/64	0.984375	11 13/16
	0.9896	11 7/8
	0.9948	11 15/16
1	1.0000	12

A = Fractions of Inch or Foot

B = Inch Equivalents to Foot Fractions

Illinois Department of Transportation

PASSED January 1, 1997
ENGINEER OF POLICY AND PROCEDURES

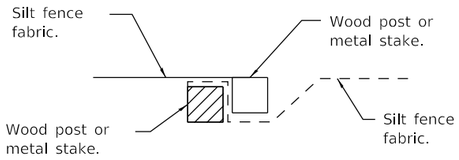
APPROVED January 1, 1997
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-97	New Standard.

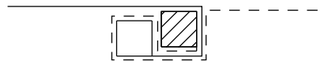
DECIMAL OF AN INCH AND OF A FOOT

STANDARD 001006



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as swown.

STEP 1

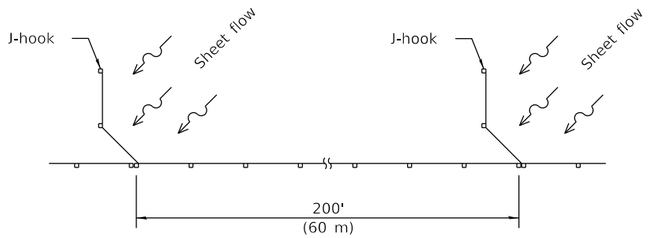


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

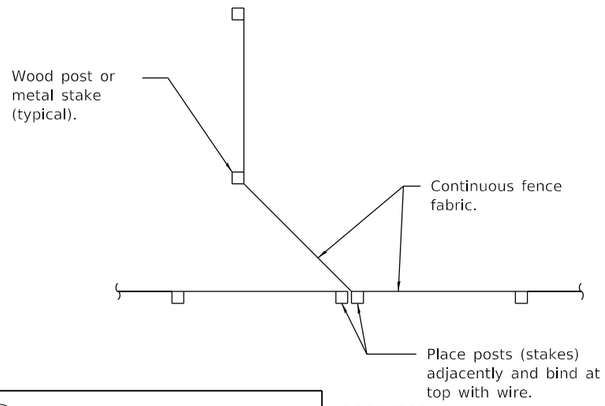
STEP 2

ATTACHING TWO SILT FILTER FENCES

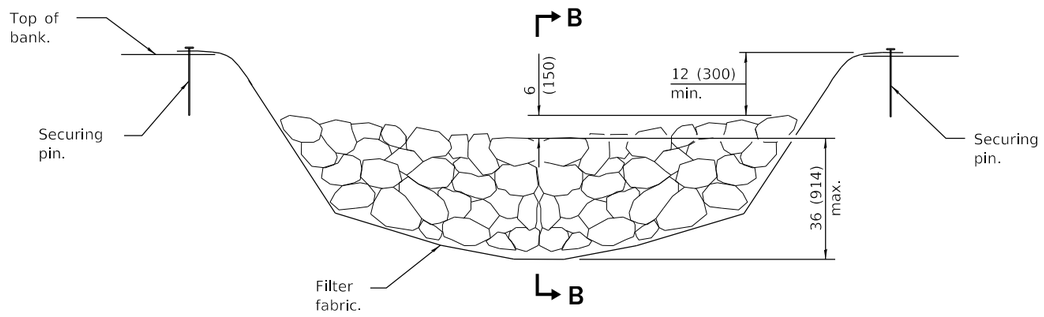
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

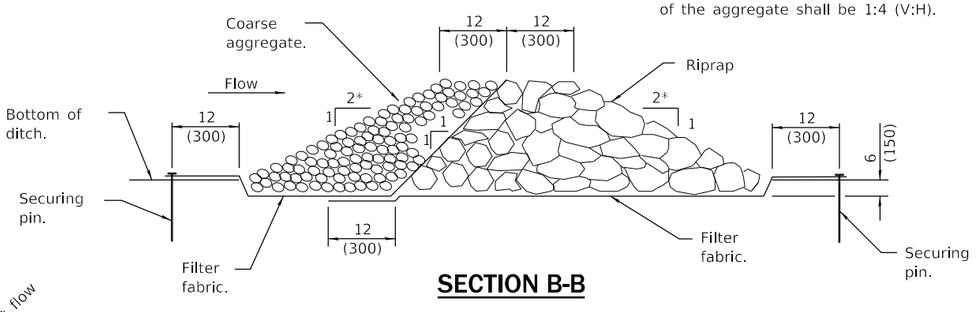


J-HOOK



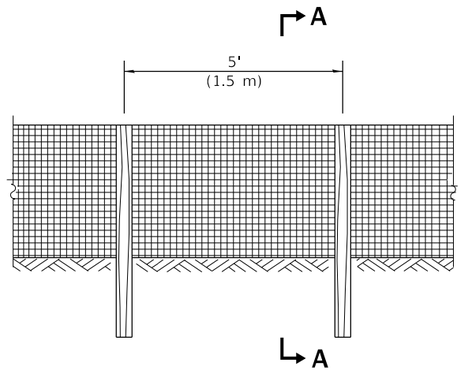
ELEVATION

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



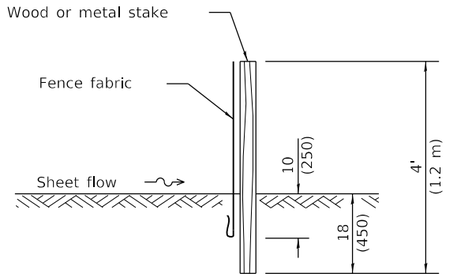
SECTION B-B

AGGREGATE DITCH CHECK

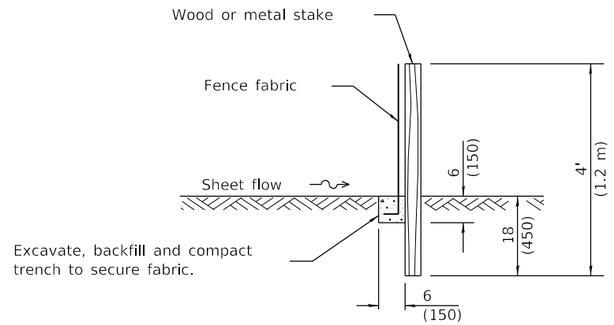


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

GENERAL NOTES

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

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

Illinois Department of Transportation

PASSED January 1, 2013
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

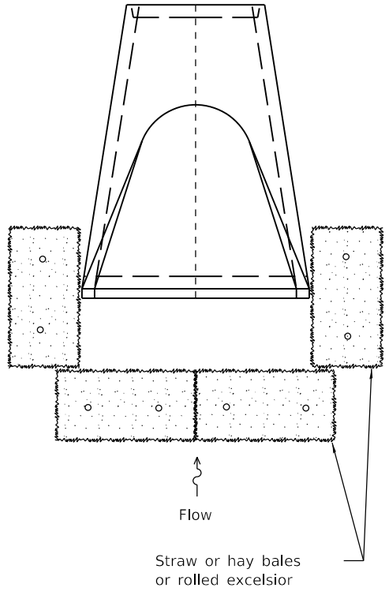
ISSUED 1-1-97

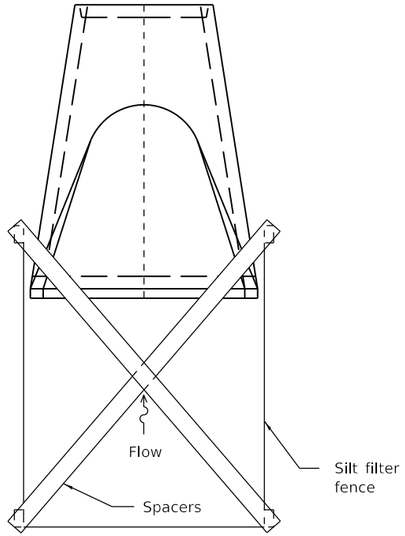
DATE	REVISIONS
1-1-13	Corrected notation for
	flowline (℄) on SEDIMENT
	BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter
	barrier. Added SLICE METHOD
	to SECTION A-A.

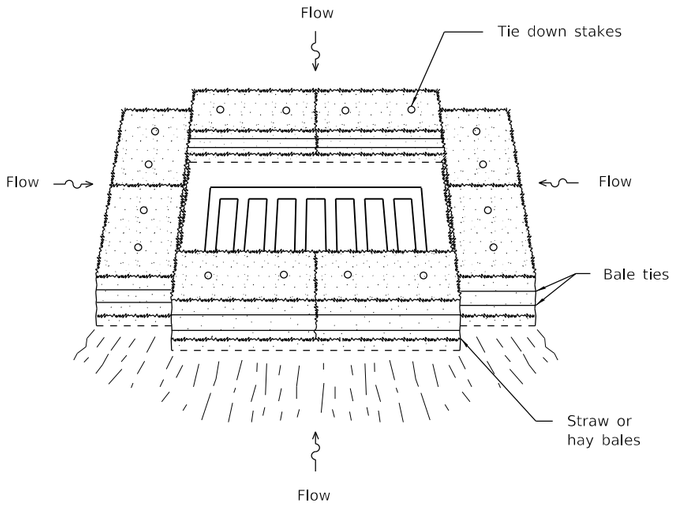
TEMPORARY EROSION CONTROL SYSTEMS

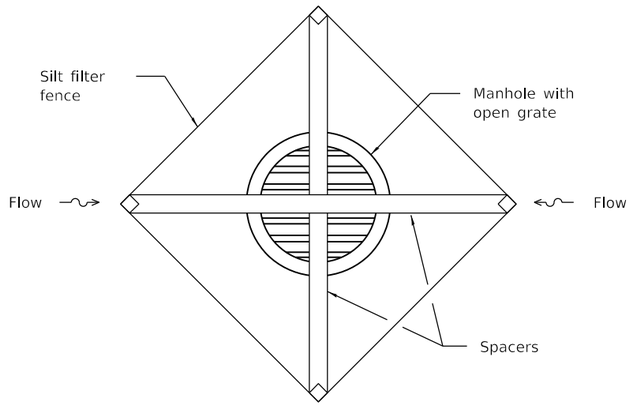
(Sheet 1 of 2)

STANDARD 280001-07

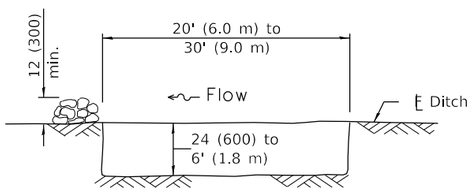






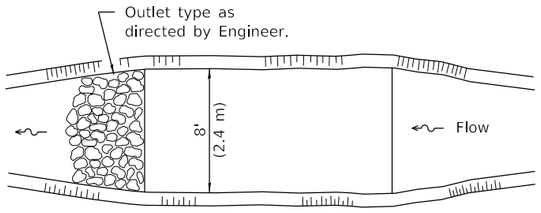


INLET AND PIPE PROTECTION



The performance of the basin
will improve if put into a series.

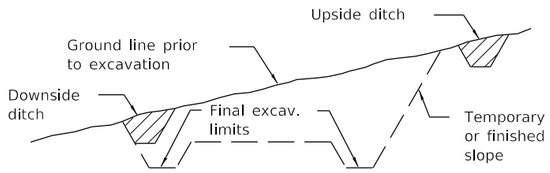
ELEVATION



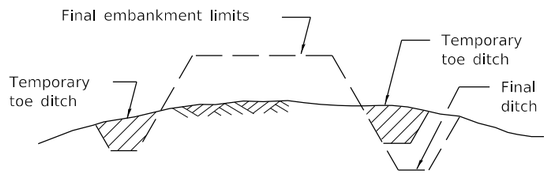
The long dimension should be parallel with the
direction of the flow. Accumulated silt shall be
removed anytime the basins become 75% filled.

PLAN

SEDIMENT BASIN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

**TEMPORARY DITCHES FOR
CUT & FILL SECTIONS**

Illinois Department of Transportation

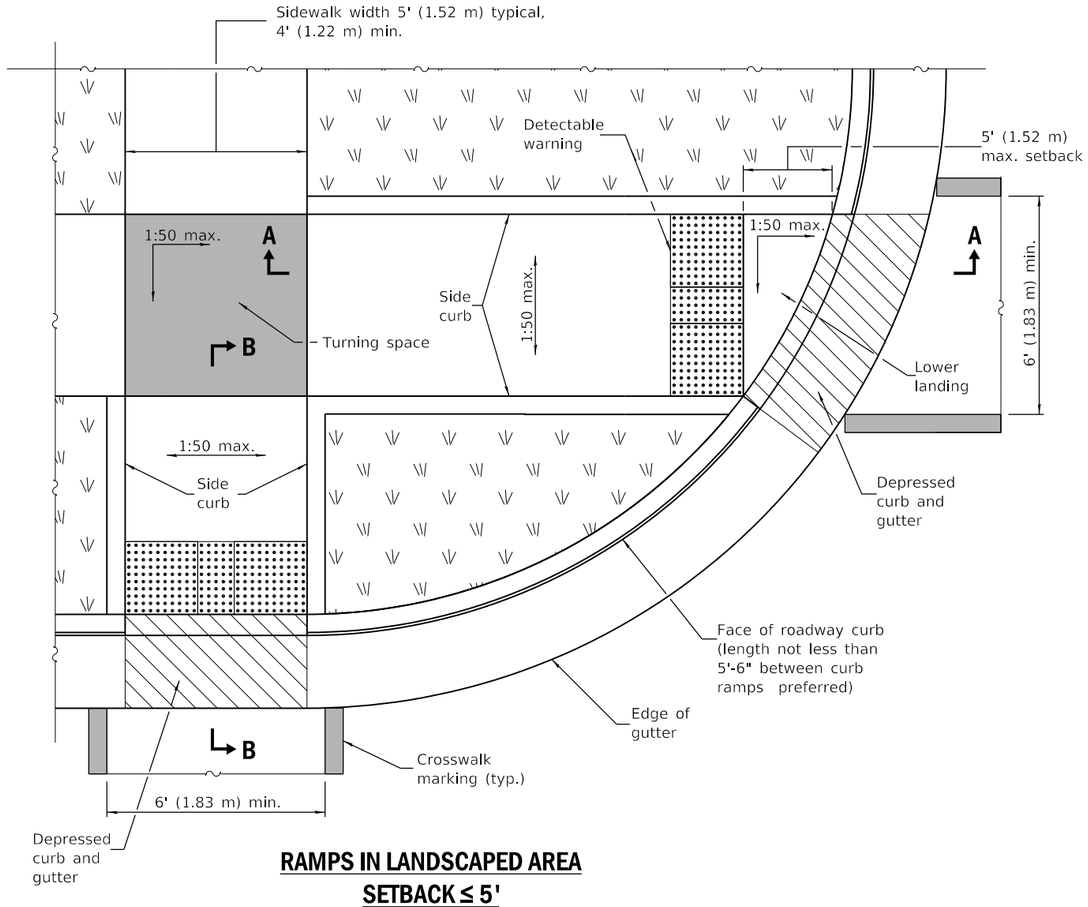
PASSED January 1, 2013
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

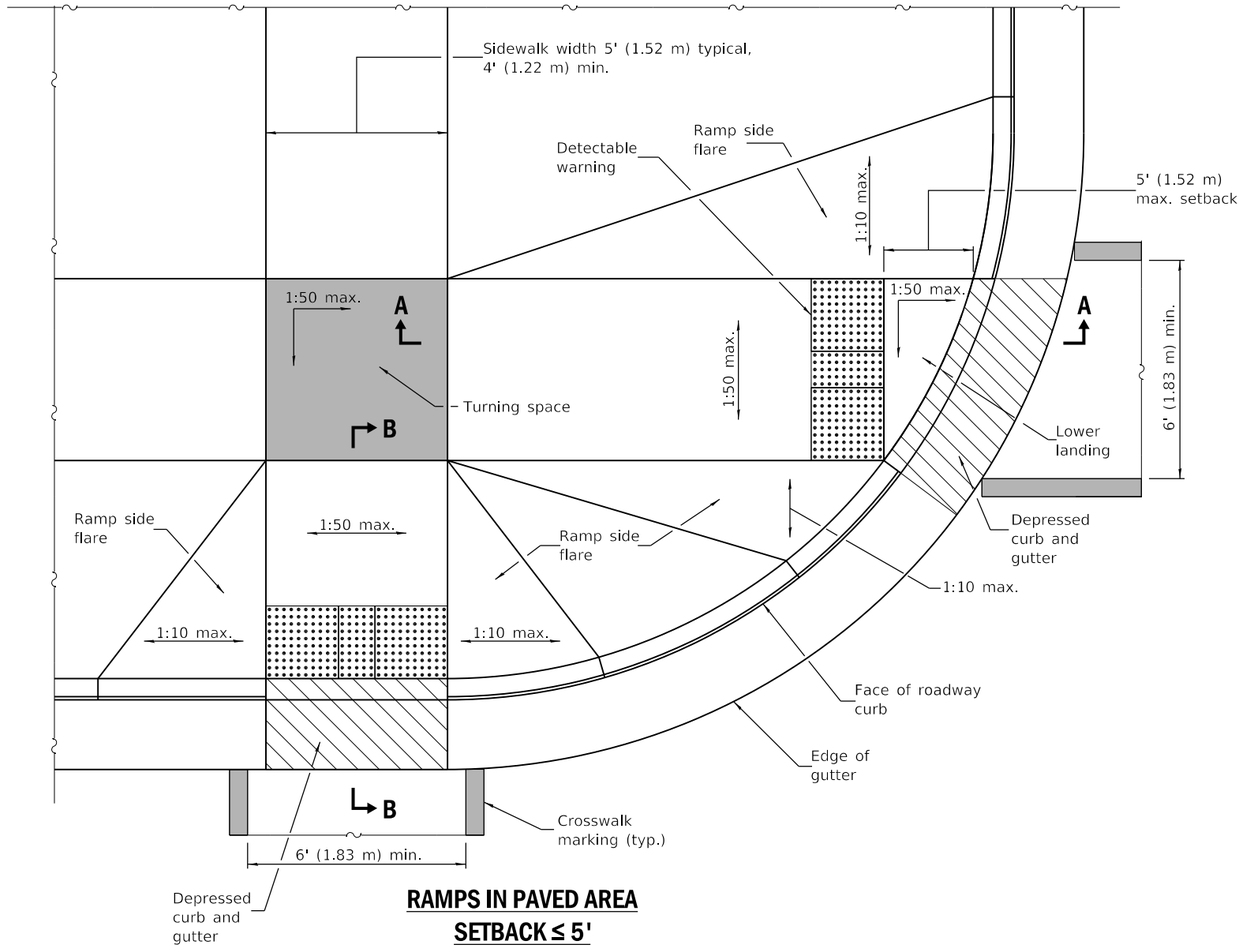
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

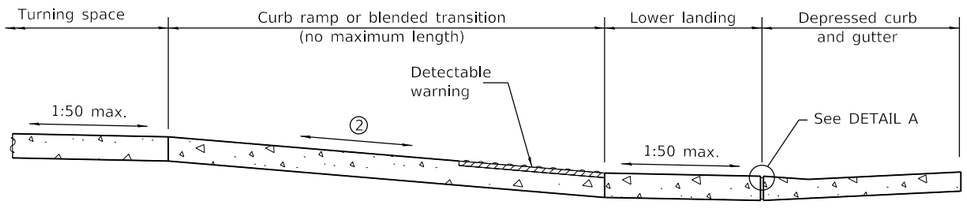
STANDARD 280001-07



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

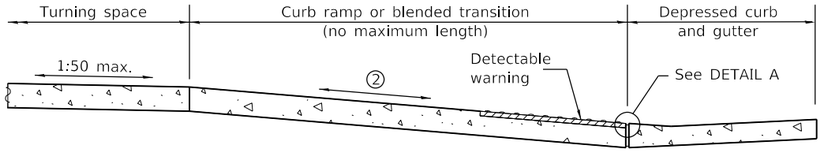


RAMPS IN PAVED AREA
SETBACK ≤ 5'



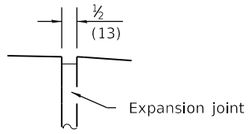
SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

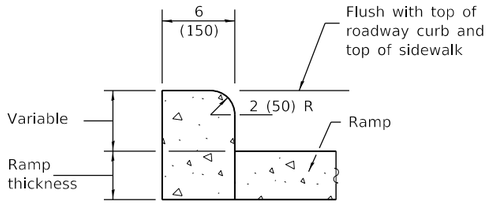


SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

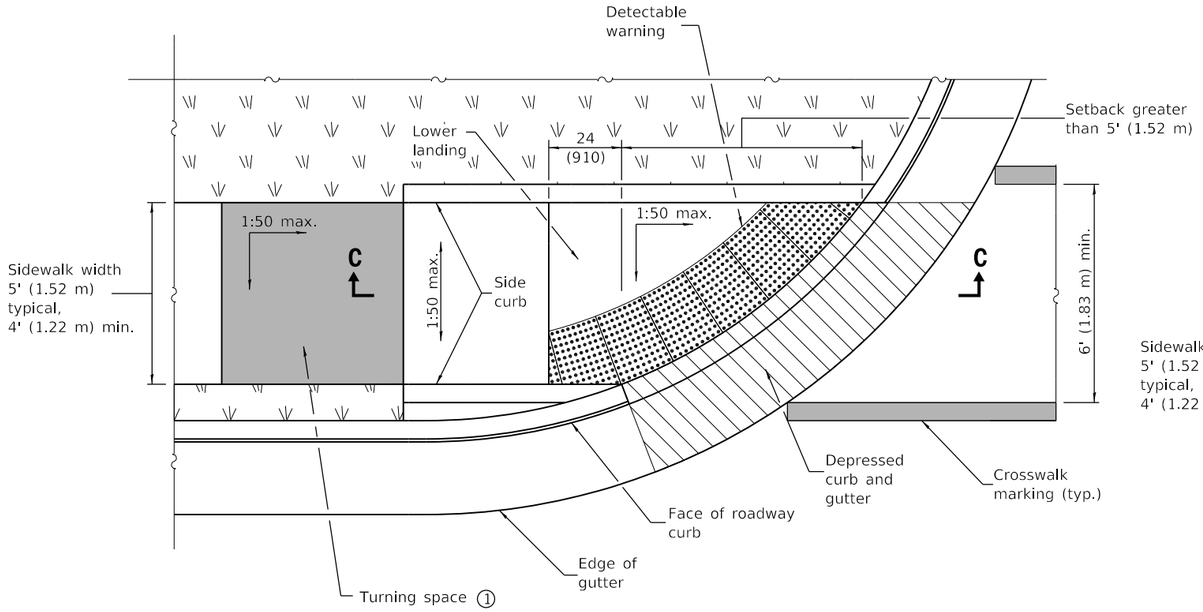
See Sheet 2 for GENERAL NOTES.

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added
	"Blended transitions" and placement
	tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at
	turning spaces and lower
	landings.

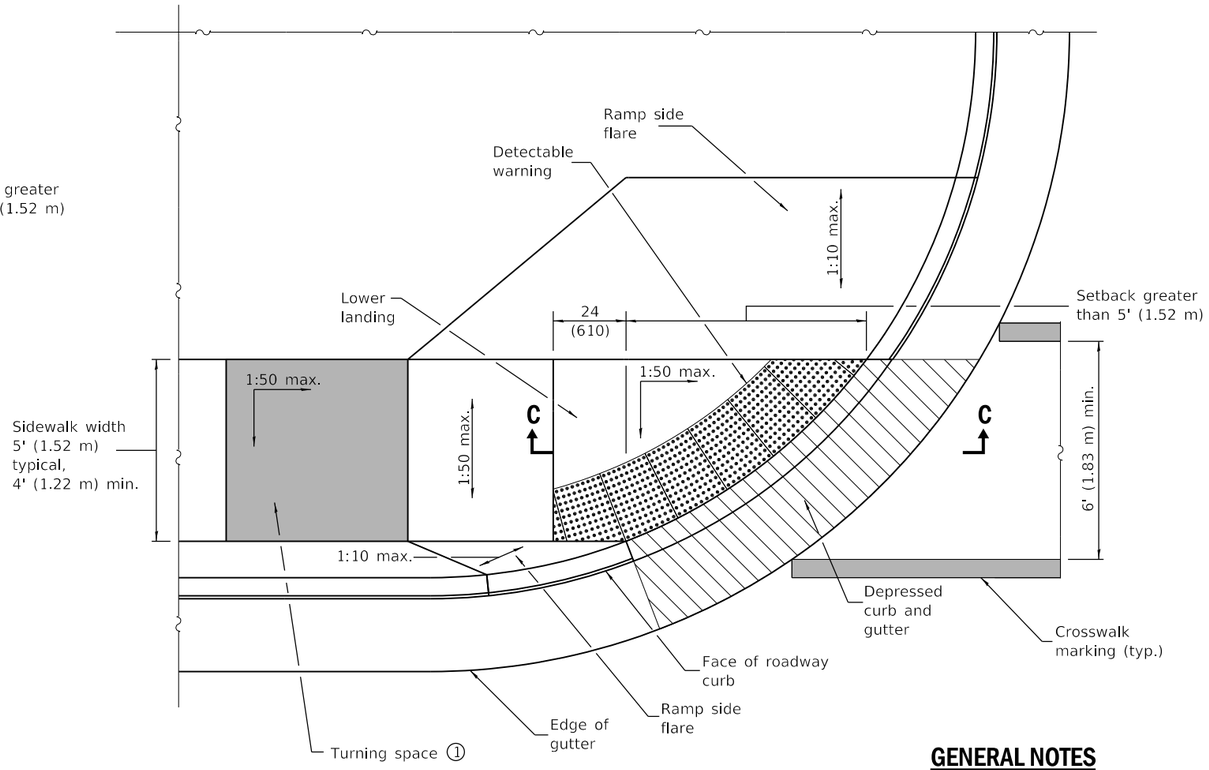
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 1 of 2)

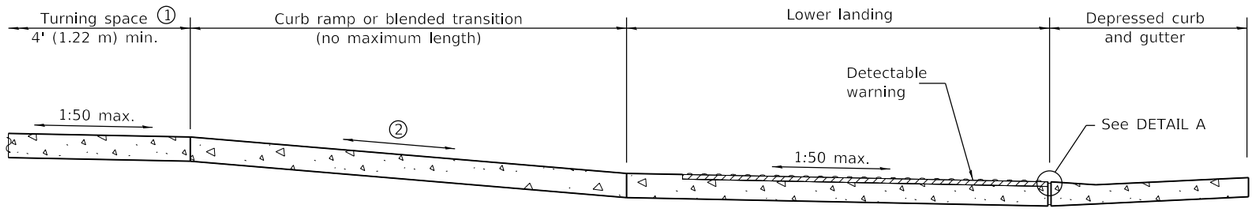
STANDARD 424001-11



RAMP IN LANDSCAPED AREA SETBACK > 5'



RAMP IN PAVED AREA SETBACK > 5'



SECTION C-C

① This turning space not required for blended transitions.

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

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

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

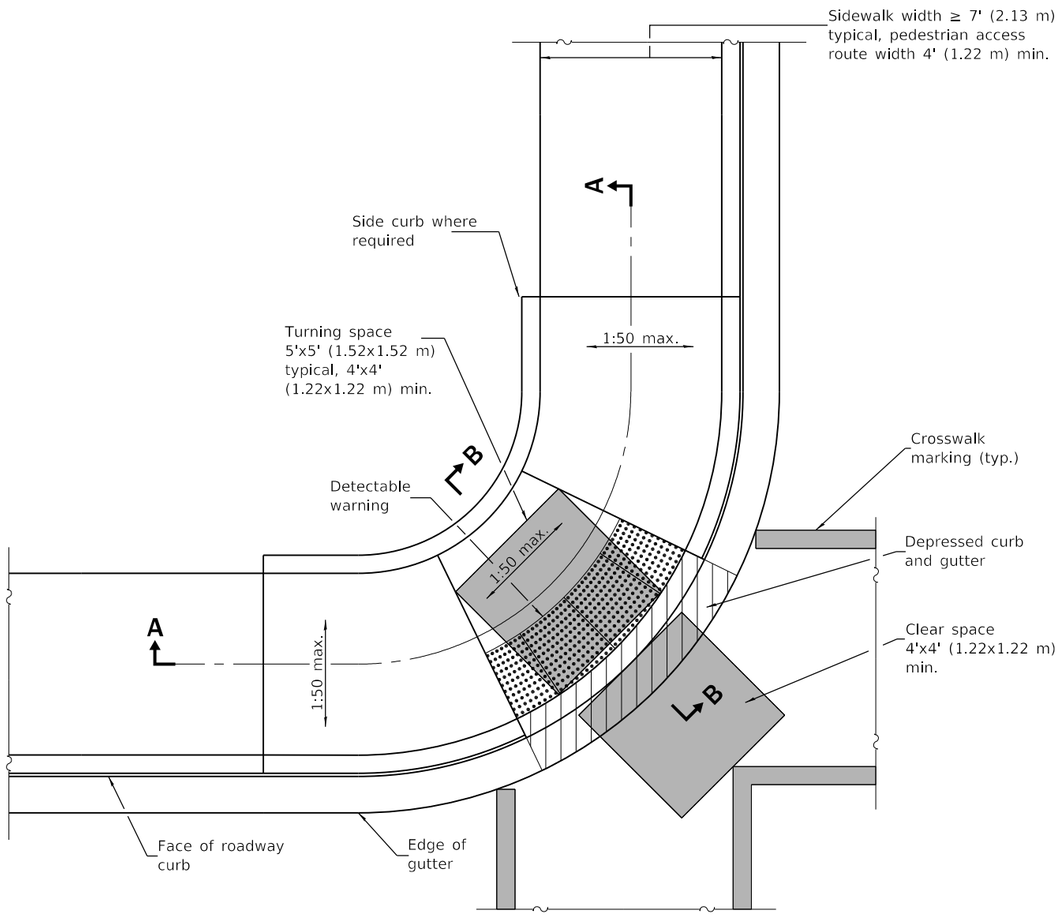
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

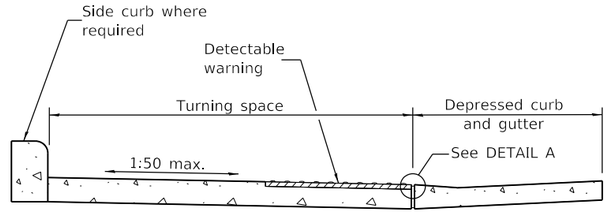
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

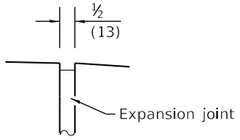
STANDARD 424001-11



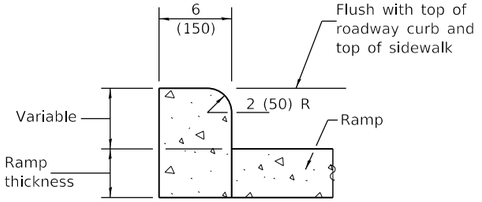
CORNER PARALLEL CURB RAMP



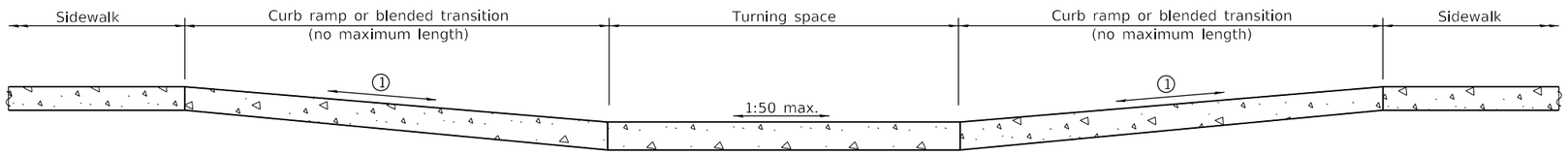
SECTION B-B



DETAIL A



SIDE CURB DETAIL



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

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

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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

Illinois Department of Transportation

PASSED January 1, 2019
ENGINEER OF POLICY AND PROCEDURES

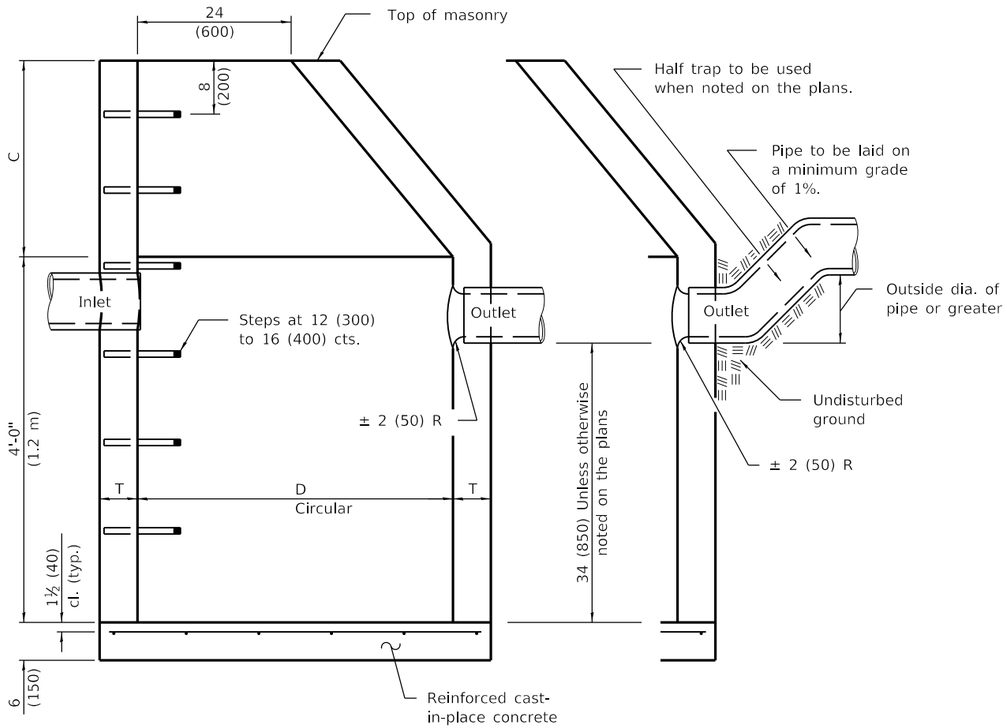
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DATE	REVISIONS
1-1-19	Removed upper landing, added
	blended transition and detectable
	warning tolerances.
1-1-17	Revised sidewalk width to
	include 24 (610) buffer
	behind curb.

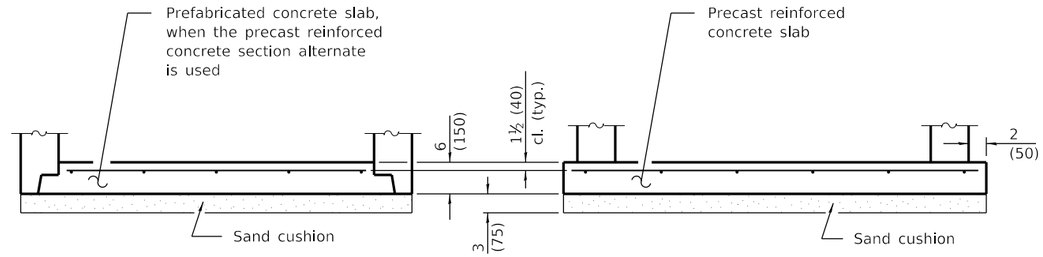
CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-04



ELEVATION
(Standard Outlet)

ELEVATION
(Half Trap)



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

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

Illinois Department of Transportation

PASSED January 1, 2011
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

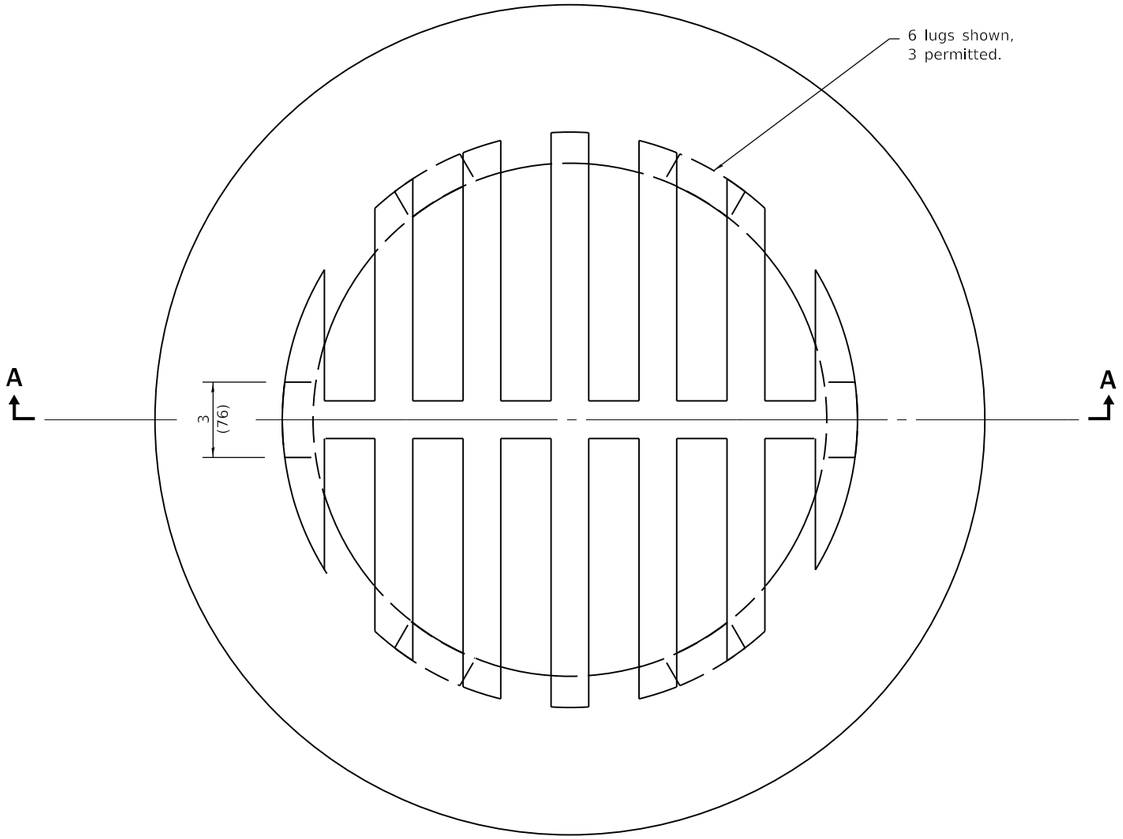
APPROVED January 1, 2011
Scott Schaefer
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

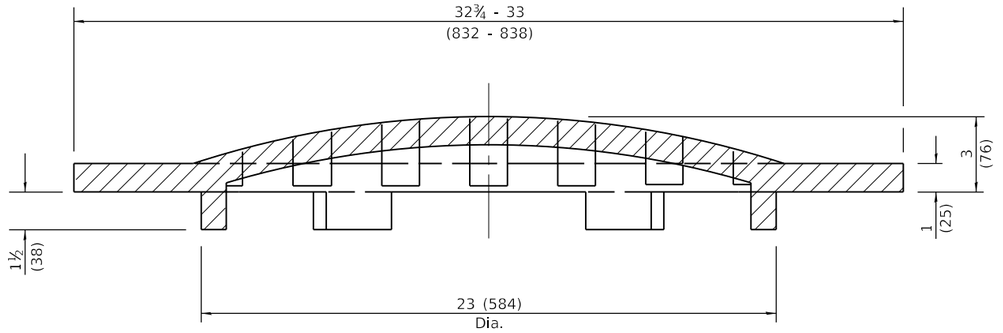
DATE	REVISIONS
1-1-11	Added 'Outside' to half trap
	note. Detail rein. in slabs.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

CATCH BASIN TYPE A

STANDARD 602001-02



CAST GRATE



SECTION A-A

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

Illinois Department of Transportation

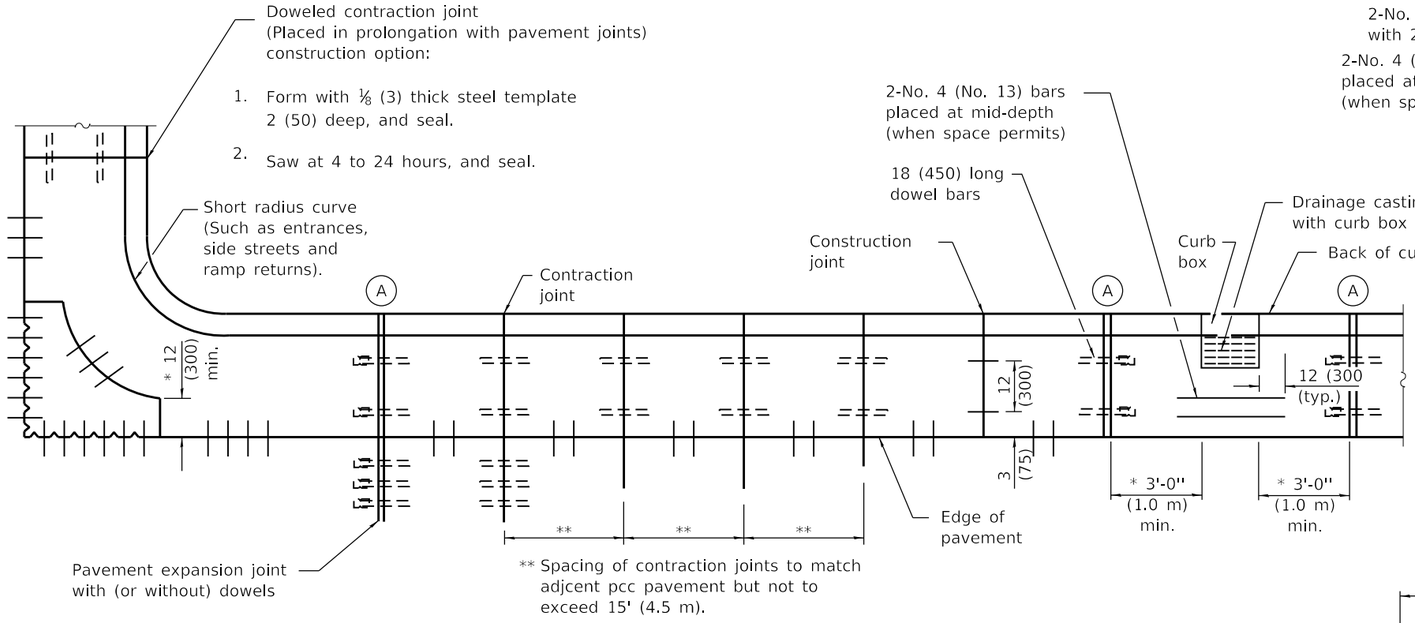
PASSED January 1, 2015
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-15	Revised dimensions.
1-1-09	Switched units to
	English (metric).

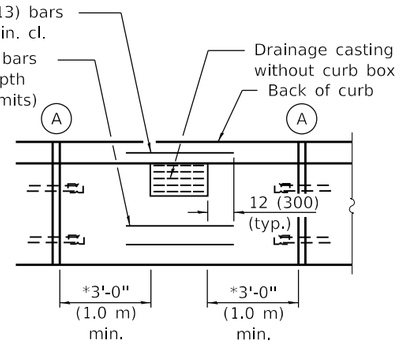
GRATE TYPE 8

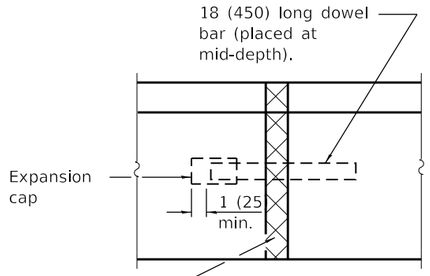
STANDARD 604036-03



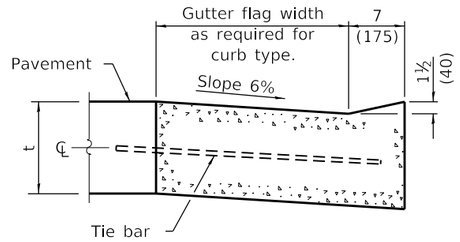
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

* This dimension shall be adjusted to align with joint on the adjacent pavement

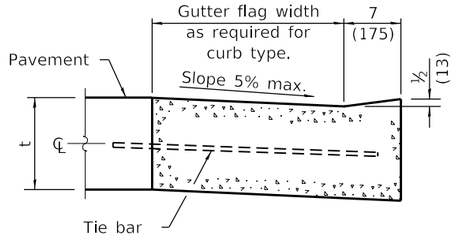




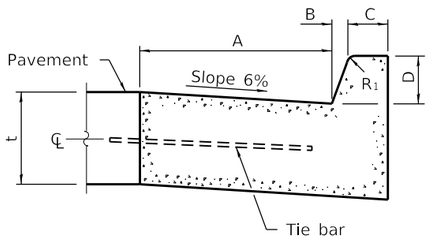
DETAIL (A) EXPANSION JOINT



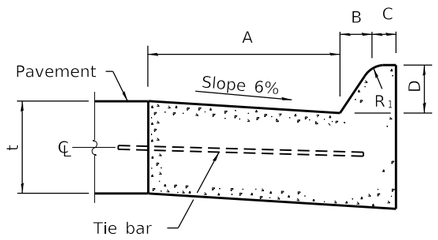
DEPRESSED CURB (TYPICAL)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



BARRIER CURB



MOUNTABLE CURB

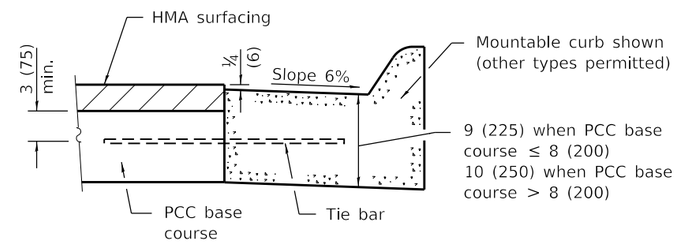
TABLE OF DIMENSIONS
BARRIER CURB

TYPE	A	B	C	D	R_1
B-6.06 * (B-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

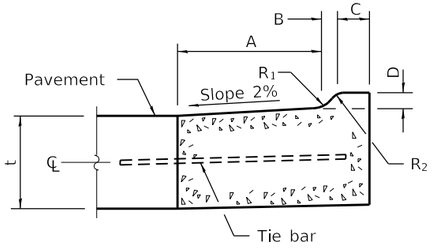
* For corner islands only.

TABLE OF DIMENSIONS
MOUNTABLE CURB

TYPE	A	B	C	D	R_1	R_2
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

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

Illinois Department of Transportation

PASSED January 1, 2022
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

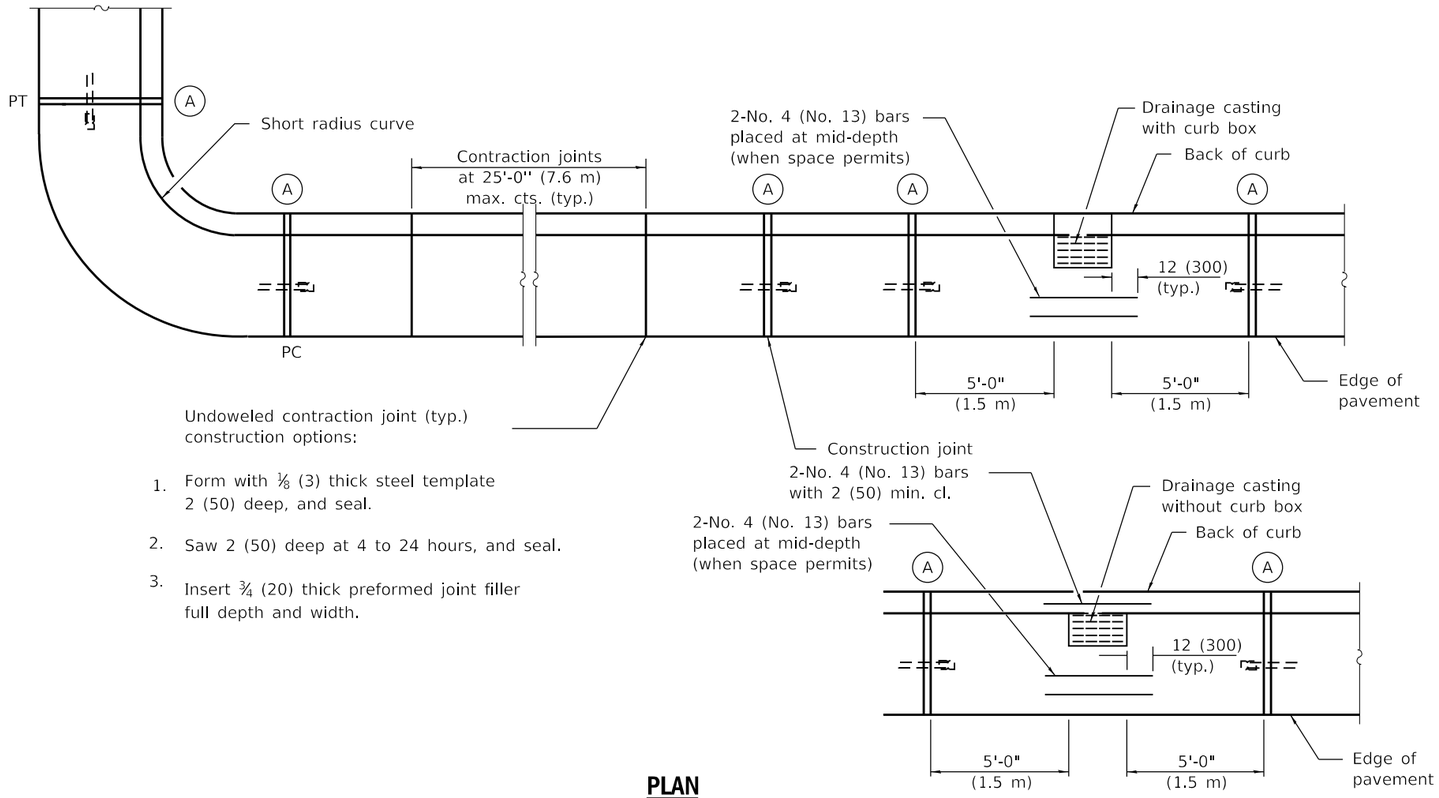
ISSUED 1-1-97

DATE	REVISIONS
1-1-22	Revised contraction joint spacing
	adjacent to pcc pavement.
1-1-18	Revised General Note for tie
	bar spacing to 36 (900) cts.

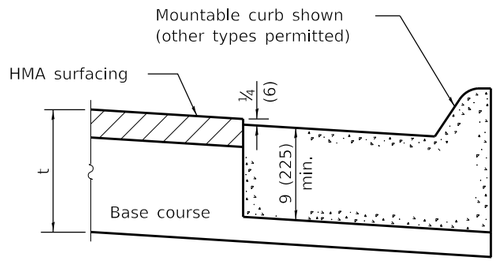
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 1 of 2)

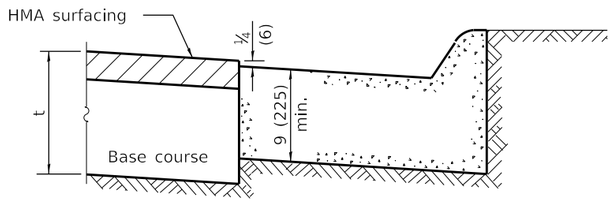
STANDARD 606001-08



PLAN

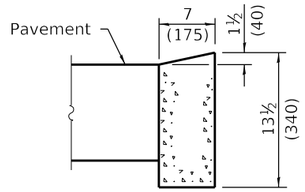


ON DISTURBED SUBGRADE

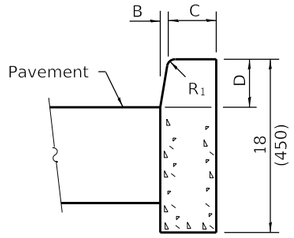


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

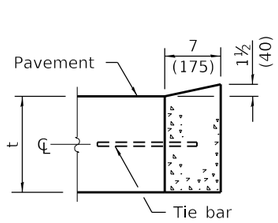


DEPRESSED CURB

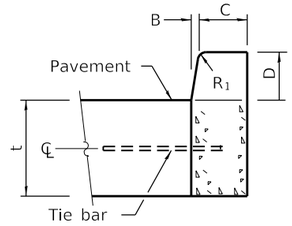


BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

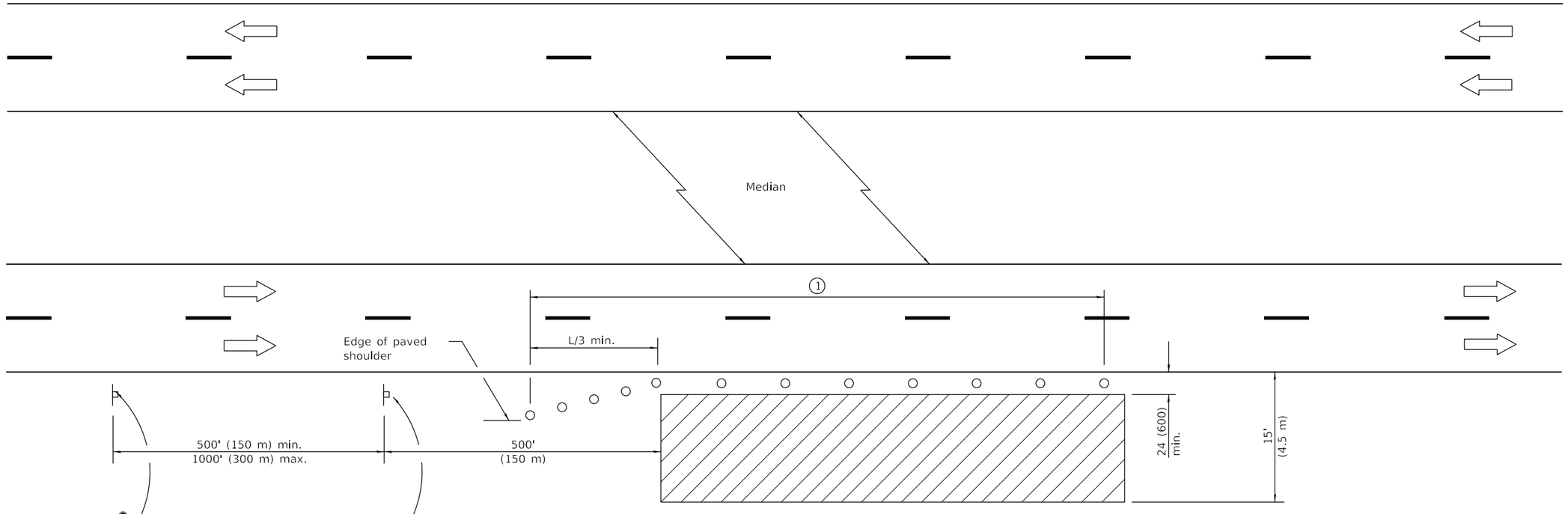
Illinois Department of Transportation

PASSED January 1, 2022
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-08



For contract construction projects

W20-I103(0)-48

W21-1(0)-48

For maintenance and utility projects

W20-1(0)-48

TYPICAL APPLICATIONS

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

SYMBOLS

Work area

Sign

Cone, drum or barricade

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.

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

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

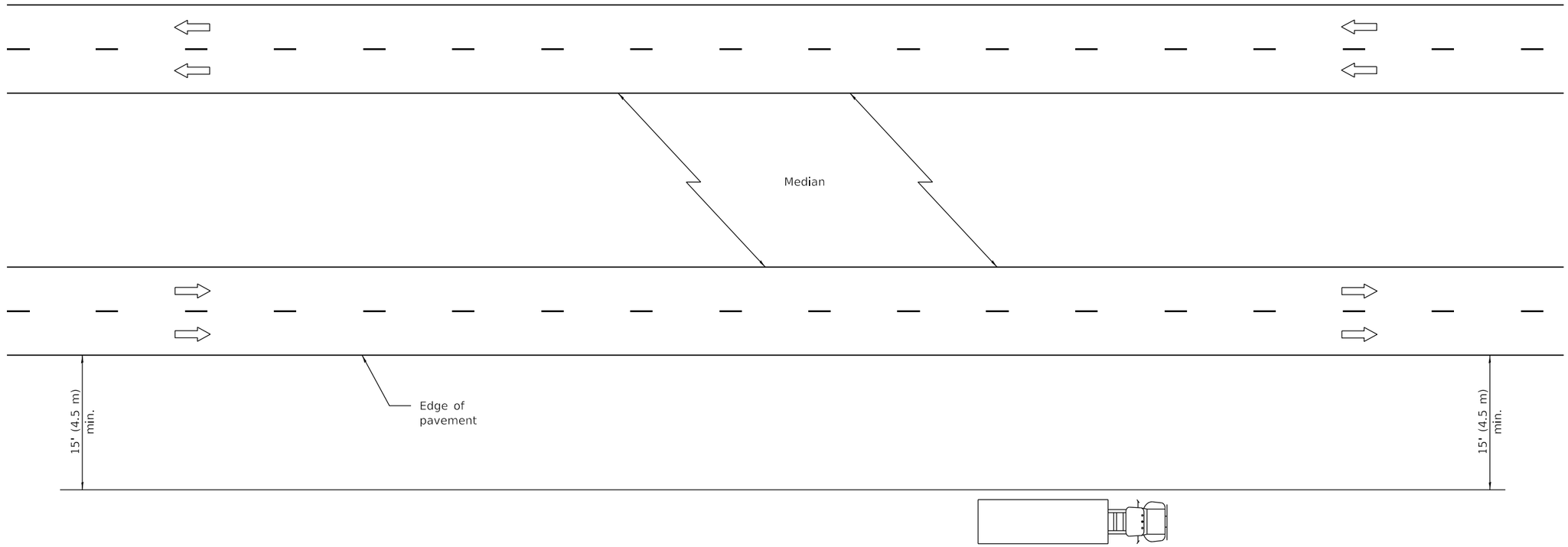
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Corrected typo in title.
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.

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

STANDARD 701101-05



TYPICAL APPLICATIONS

Landscaping work
Utility work
Fencing contracts

GENERAL NOTES

This Standard is used where at all 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 701101.

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.

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

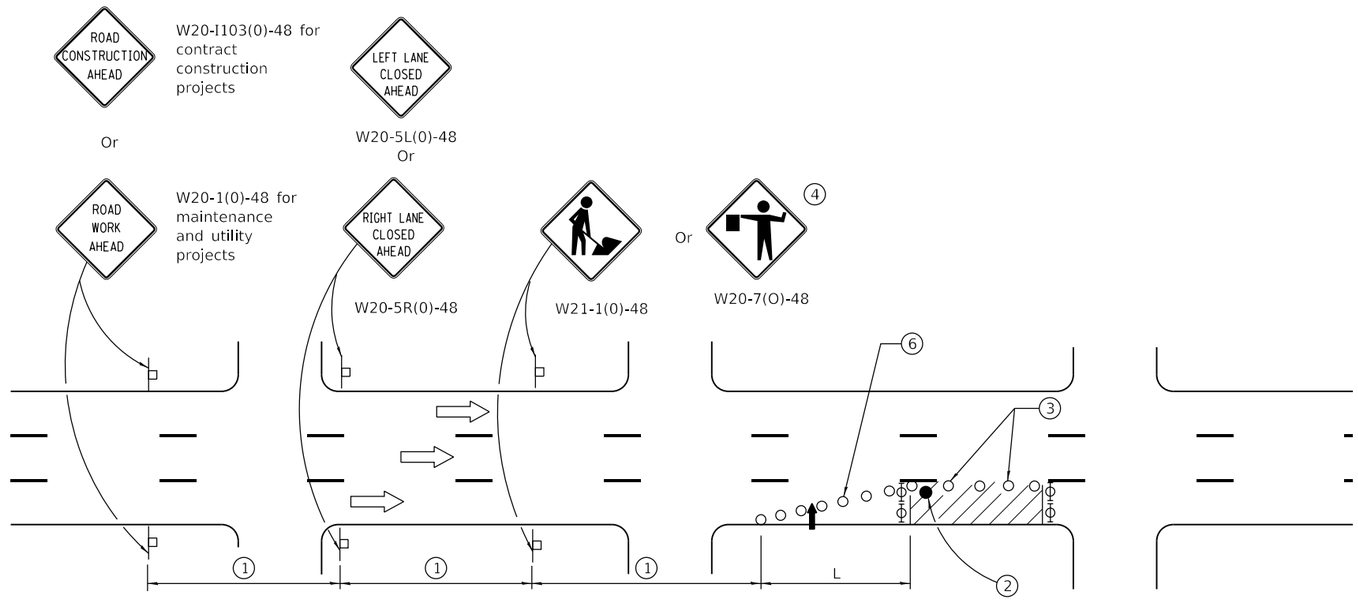
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

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

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

STANDARD 701106-02



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) 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.

(4) Use flagger sign only when flagger is present.

(5) For approved sideroad closures.

(6) Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

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.

Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

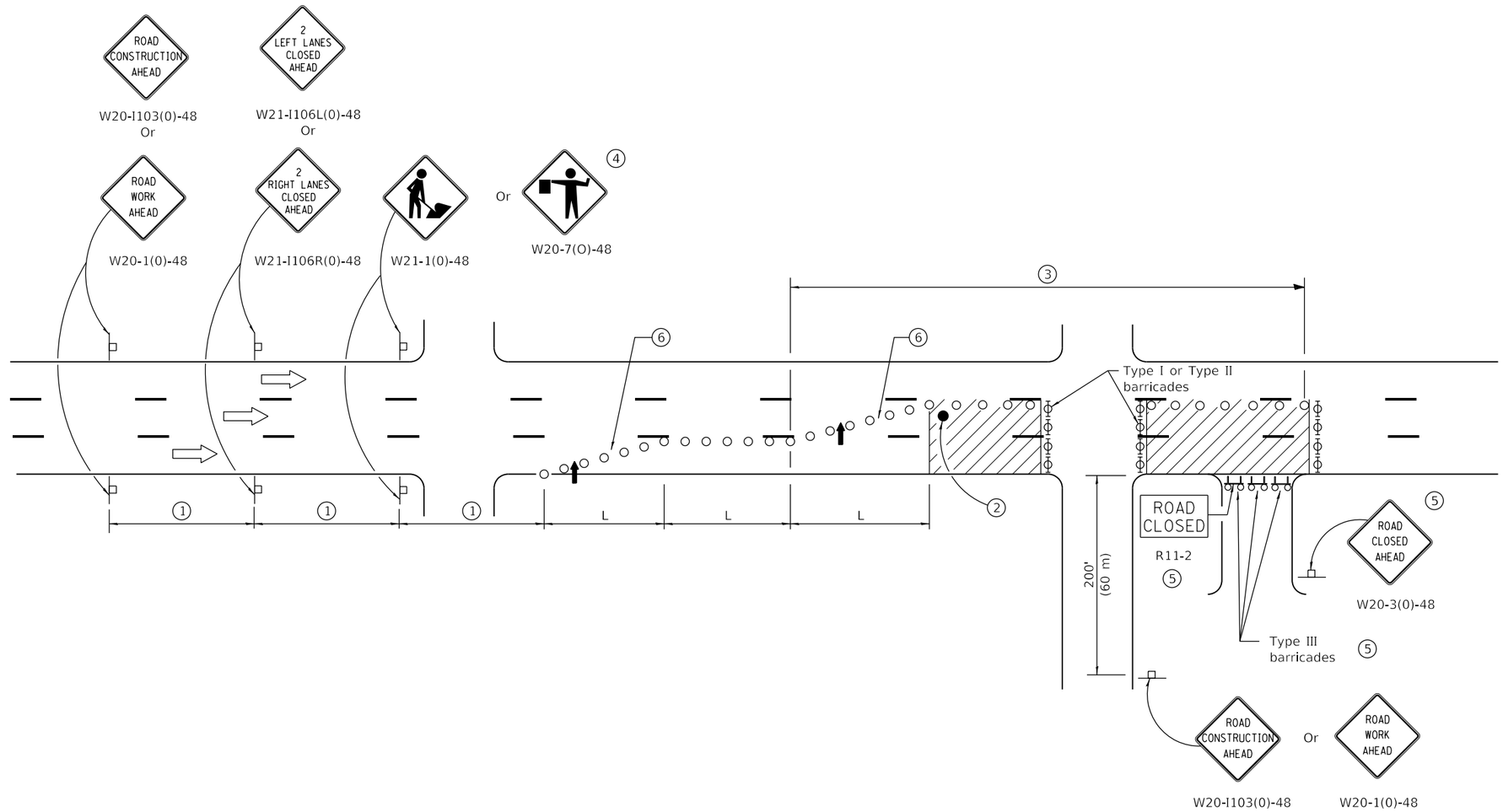
ISSUED 1-1-97

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

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 1 of 2)

STANDARD 701601-09



Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

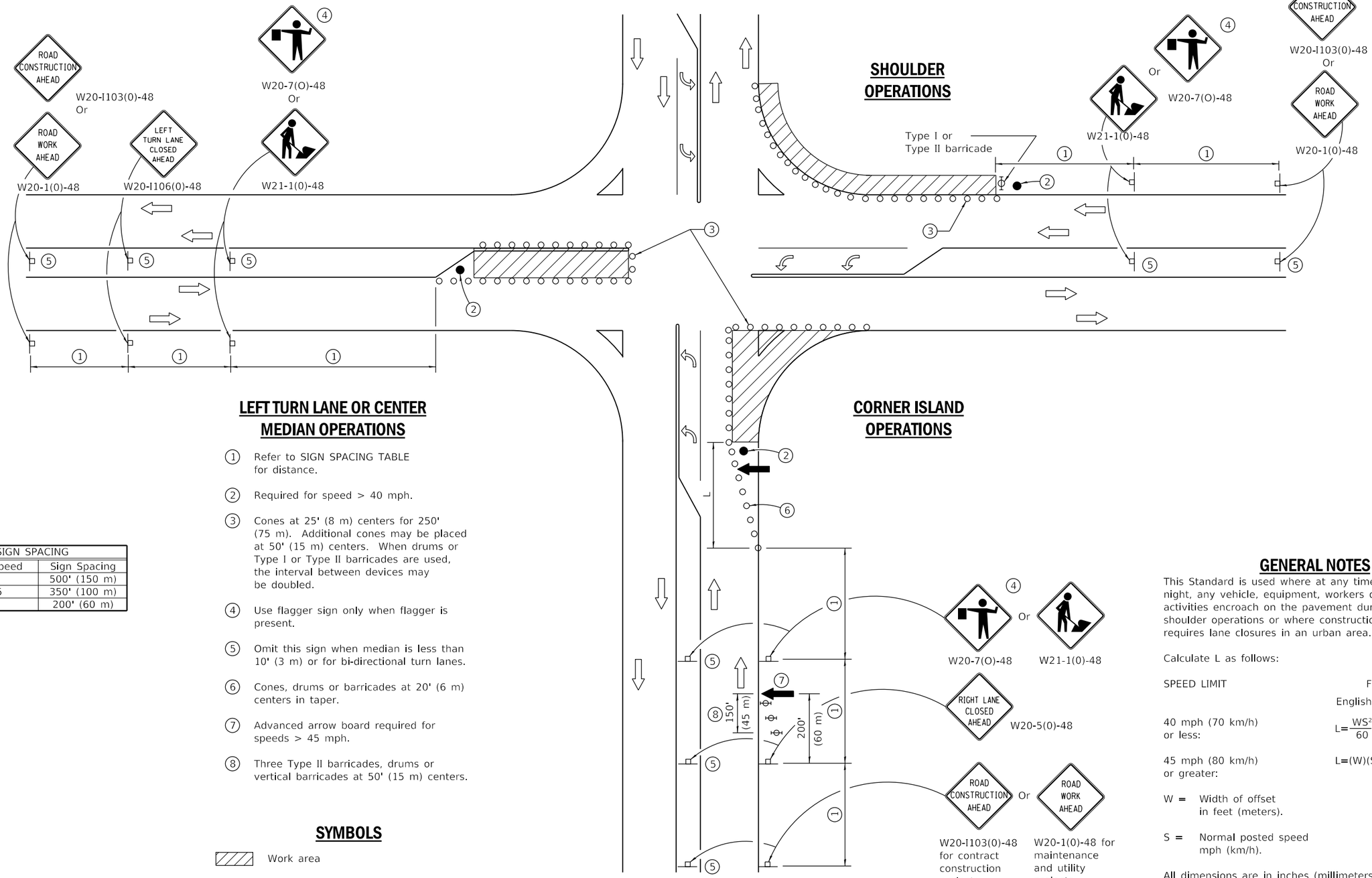
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

(Sheet 2 of 2)

STANDARD 701601-09



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

1. Refer to SIGN SPACING TABLE for distance.
2. Required for speed > 40 mph.
3. 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.
4. Use flagger sign only when flagger is present.
5. Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
6. Cones, drums or barricades at 20' (6 m) centers in taper.
7. Advanced arrow board required for speeds > 45 mph.
8. Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SYMBOLS

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

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	FORMULAS (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.

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

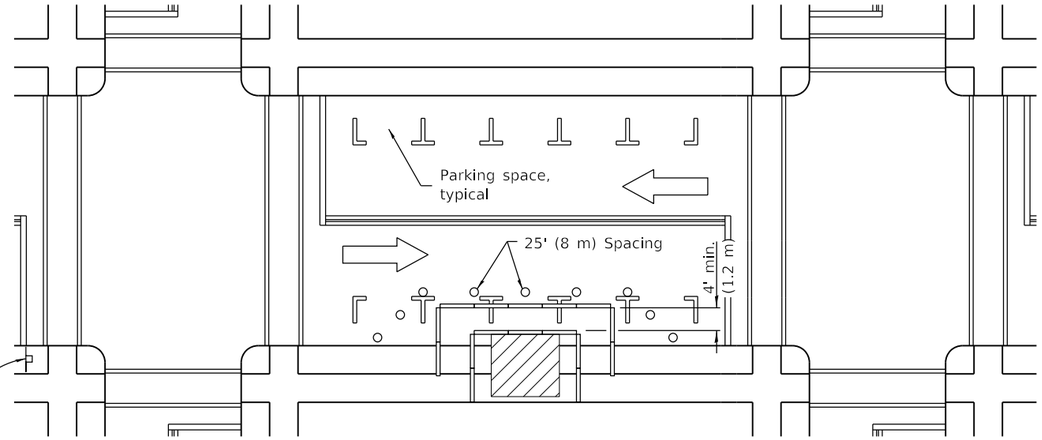
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Corrected sign number for
	LEFT TURN LANE CLOSED
	AHEAD.
1-1-14	Added devices at arrow
	board upstream from taper.
	Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10



① ROAD CONSTRUCTION AHEAD

W20-I103(0)-48 for contract construction projects

Or

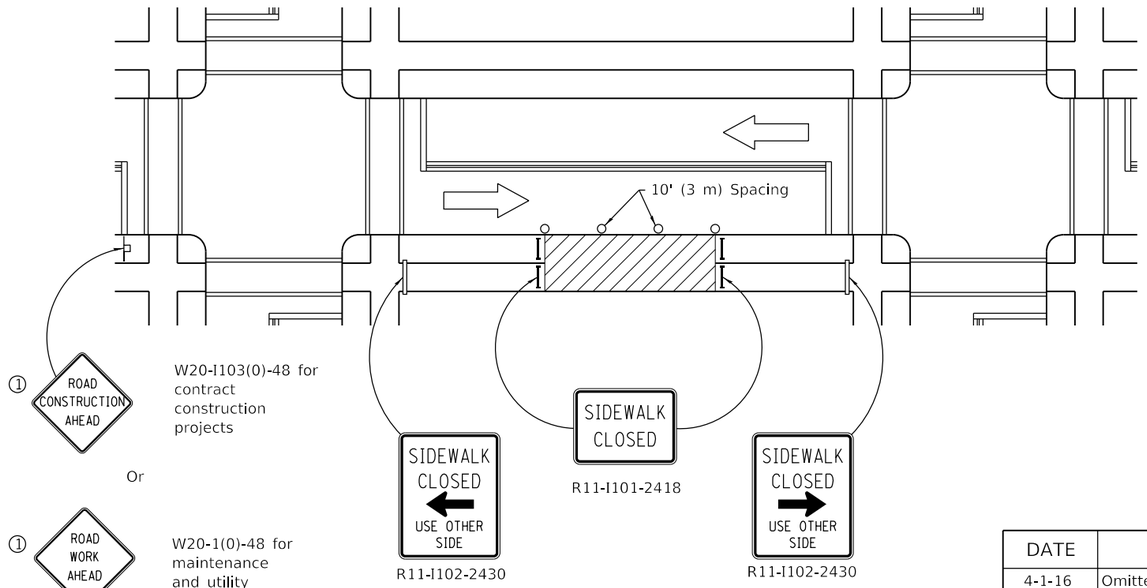
① ROAD WORK AHEAD

W20-1(0)-48 for maintenance and utility projects

SIDEWALK DIVERSION

SYMBOLS

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



① ROAD CONSTRUCTION AHEAD

W20-I103(0)-48 for contract construction projects

Or

① ROAD WORK AHEAD

W20-1(0)-48 for maintenance and utility projects

SIDEWALK CLOSURE

① Omit whenever duplicated by road work traffic control.

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 signs 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 III 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 (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

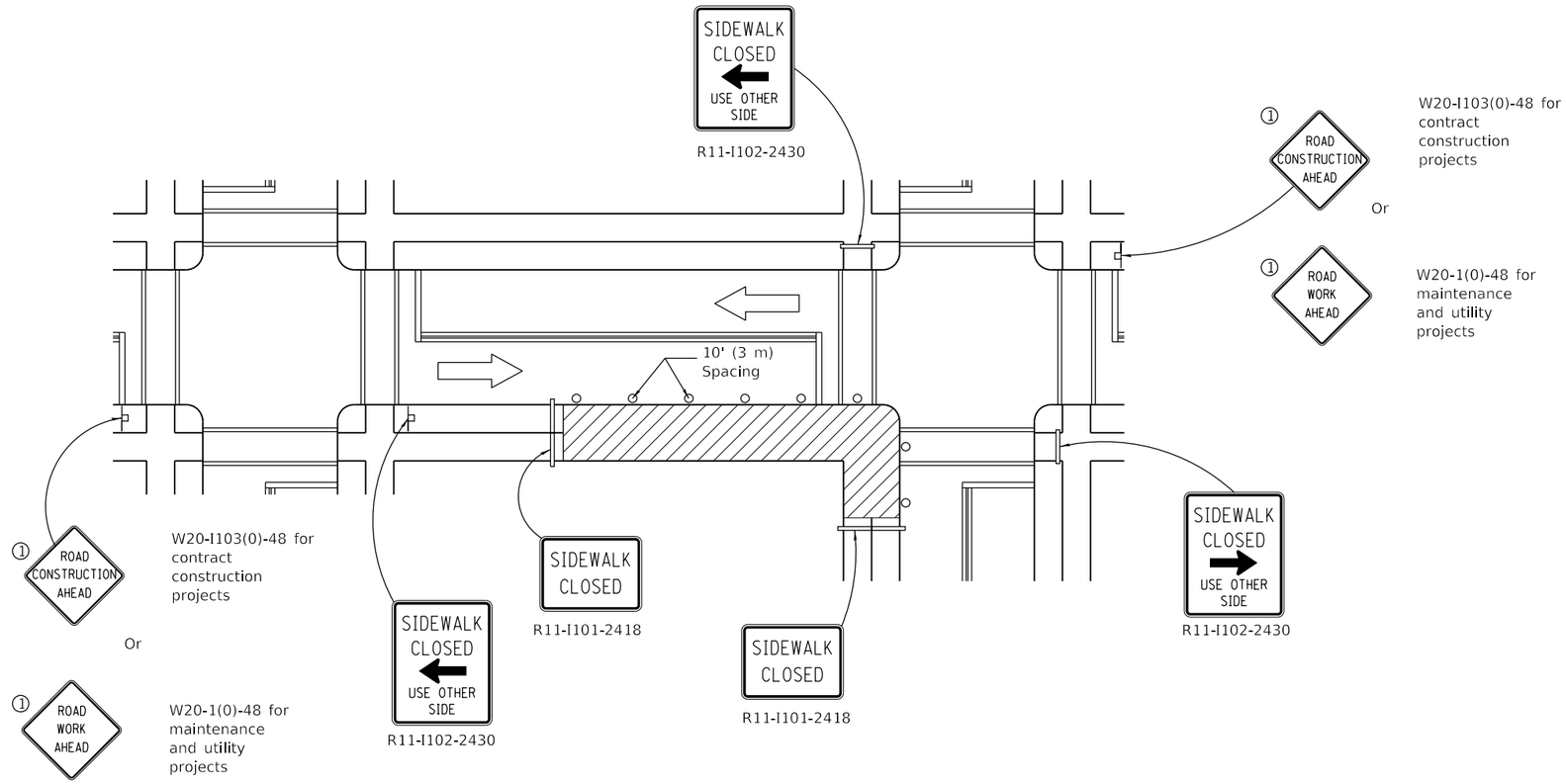
ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Omitted orange safety fence
	from standard as this is
	covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of
	plan views. Renamed Std.

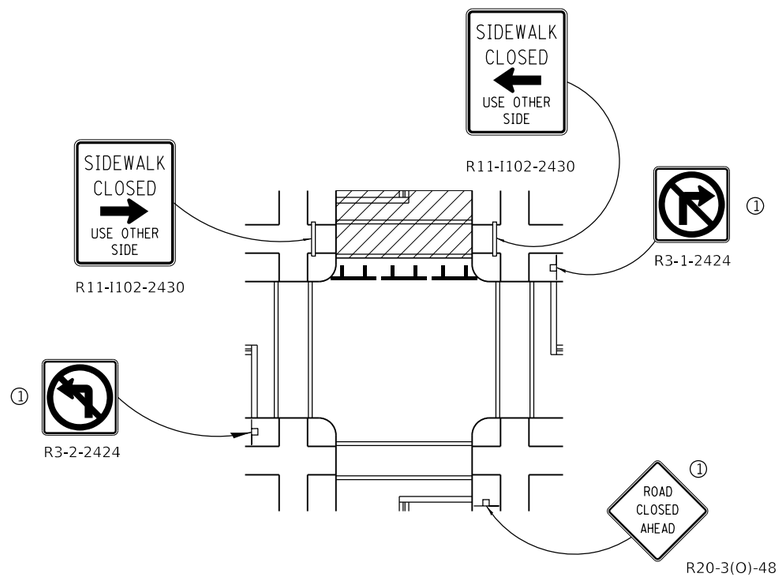
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

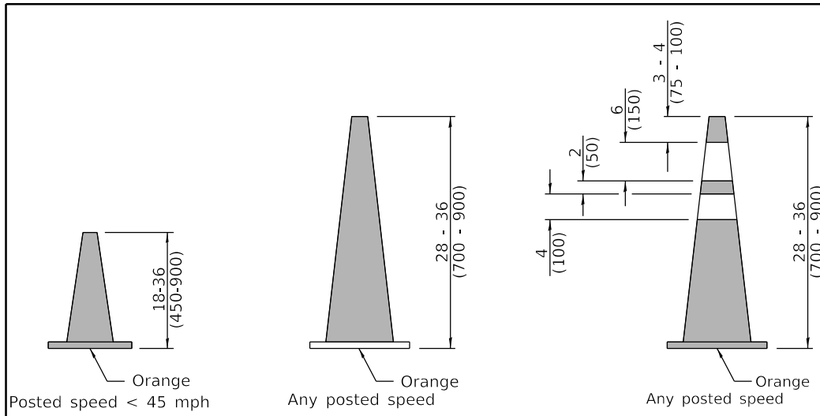
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

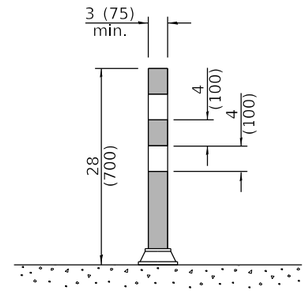
STANDARD 701801-06



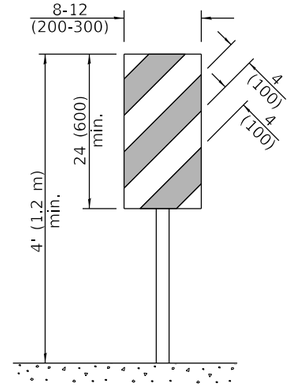
DAYTIME USE

DAY OR NIGHTTIME USE

CONES

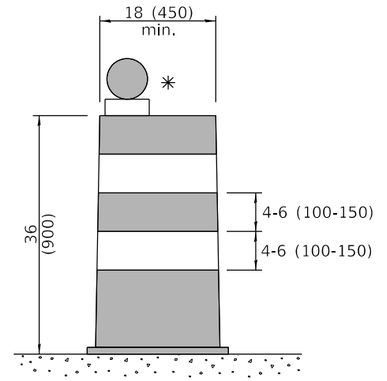


TUBULAR MARKER

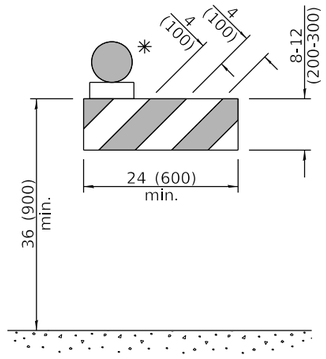


VERTICAL PANEL

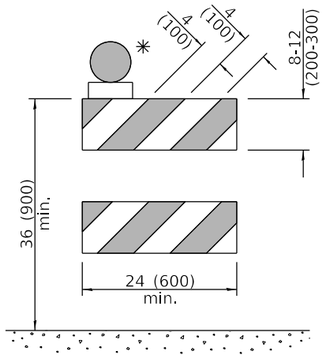
POST MOUNTED



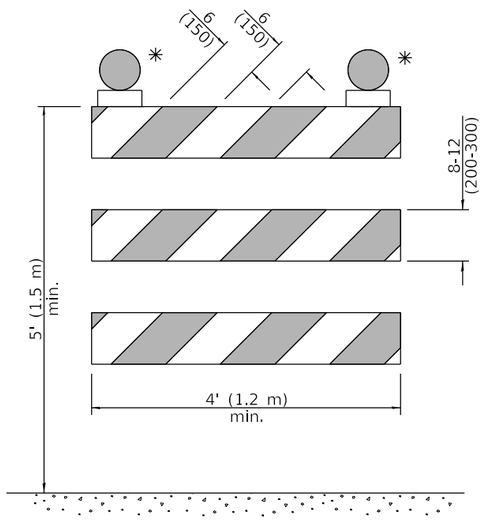
DRUM



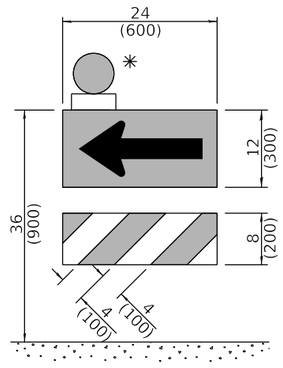
TYPE I BARRICADE



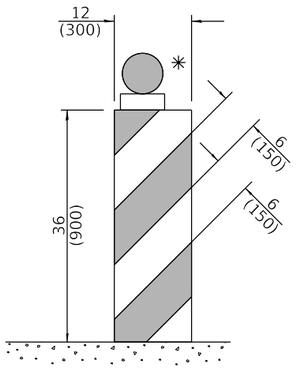
TYPE II BARRICADE



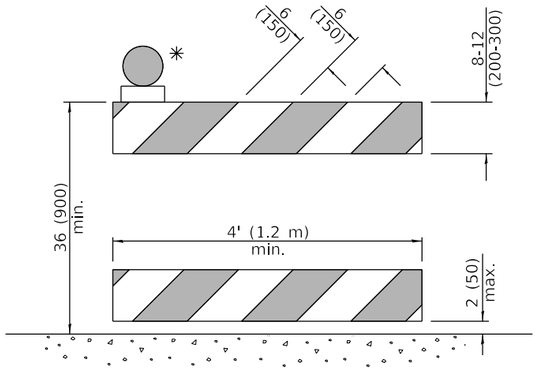
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

✳ Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

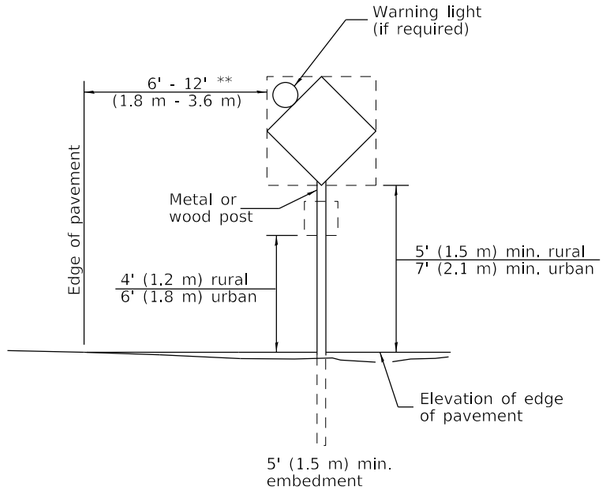
ISSUED 1-1-13

DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

TRAFFIC CONTROL DEVICES

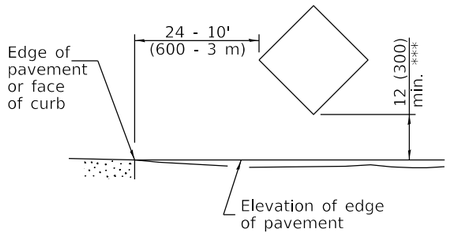
(Sheet 1 of 3)

STANDARD 701901-08



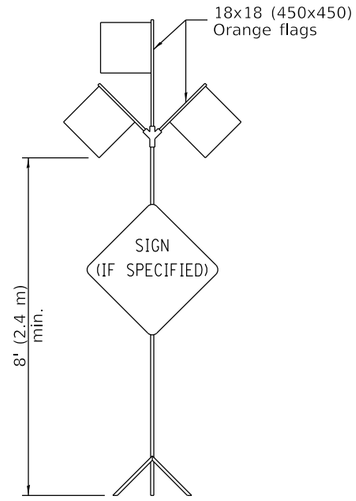
POST MOUNTED SIGNS

** 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.



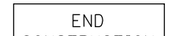
SIGNS ON TEMPORARY SUPPORTS

*** 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

G20-I104(0)-6036



G20-I105(0)-6024

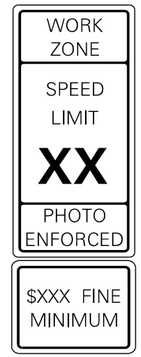
This signing is required for all projects 2 miles (3200 m) or more in length.

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

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

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

WORK LIMIT SIGNING



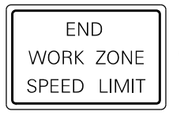
W21-III5(0)-3618

R2-1-3648

R10-I108p-3618 ****

R2-I106p-3618

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

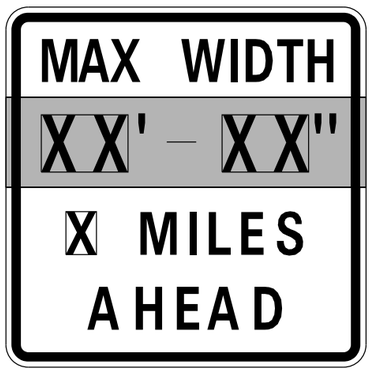


G20-I103-6036

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

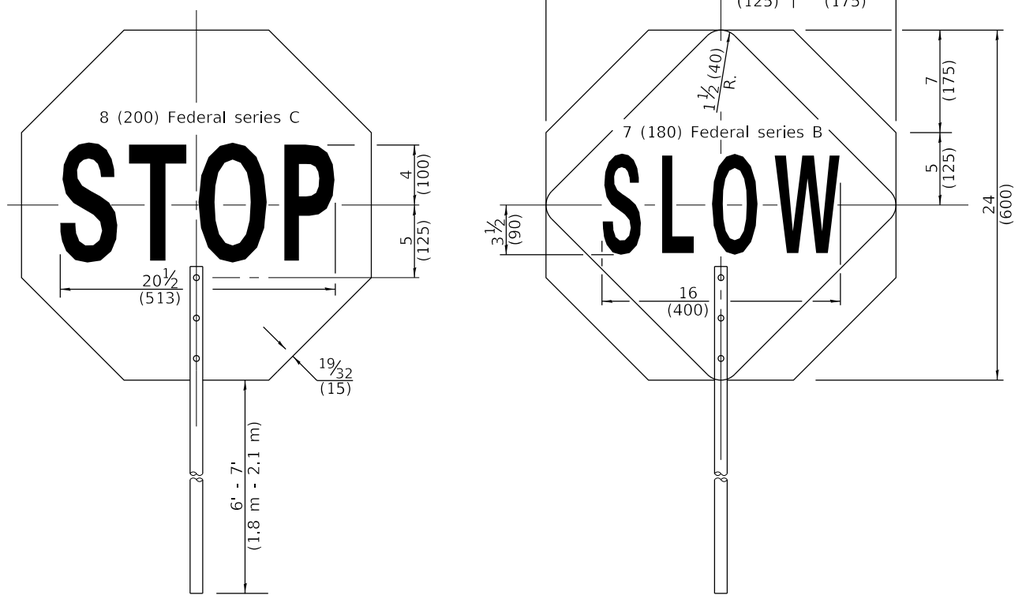
**** R10-I108p shall only be used along roadways under the juristiction of the State.



W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

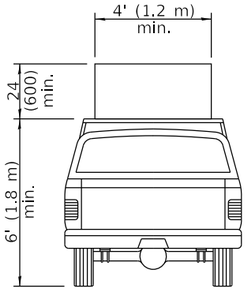
APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

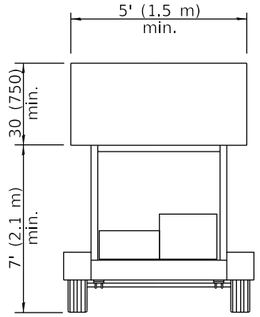
ISSUED 1-1-13

TRAFFIC CONTROL DEVICES

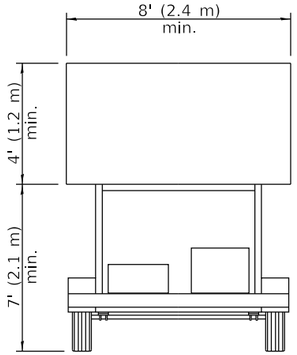
STANDARD 701901-08



**TYPE A
ROOF
MOUNTED**

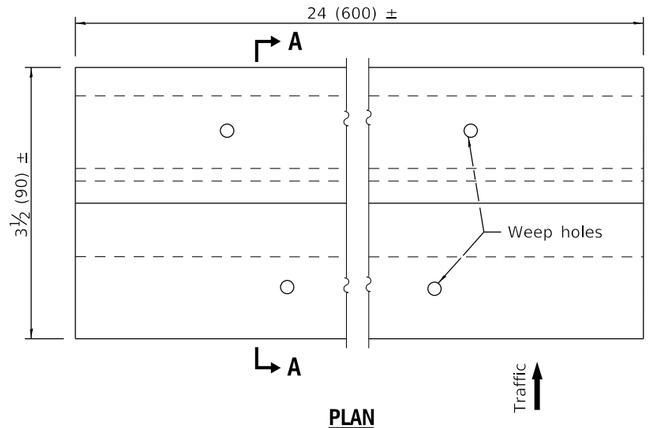


**TYPE B
ROOF OR TRAILER
MOUNTED**

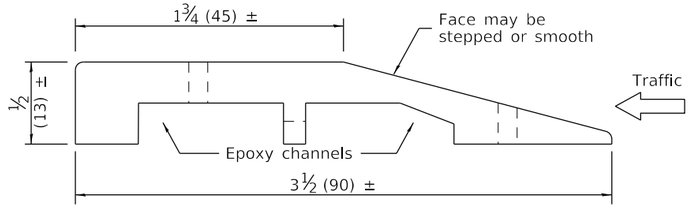


**TYPE C
TRAILER
MOUNTED**

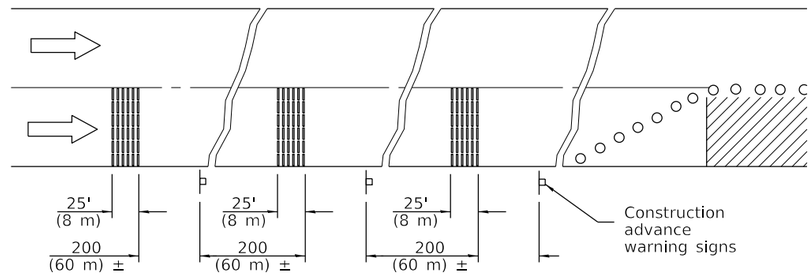
ARROW BOARDS

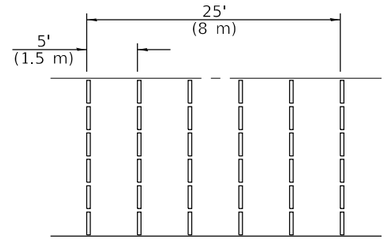


PLAN



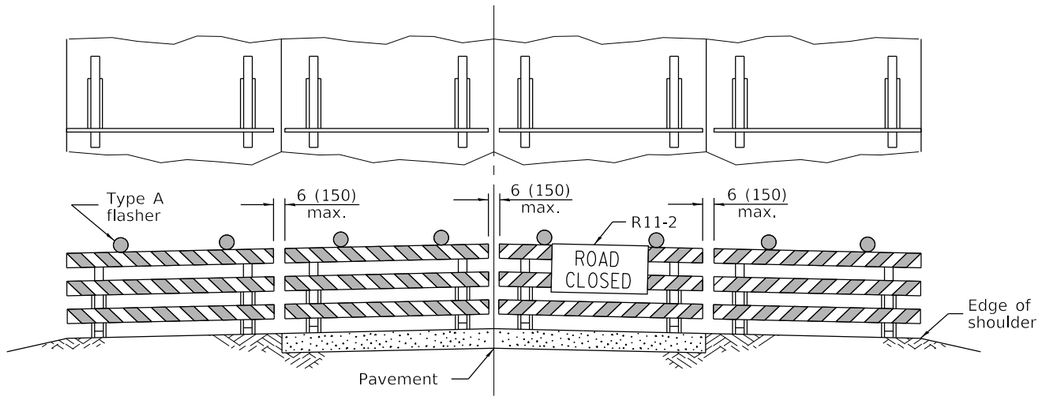
SECTION A-A





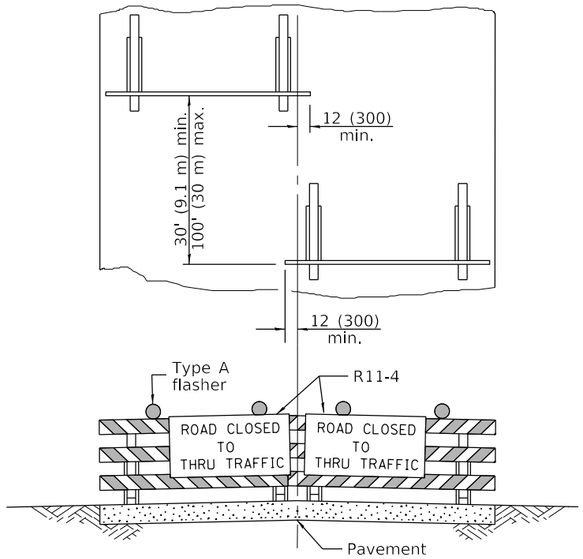
TYPICAL INSTALLATION

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.



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.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY PROG. AND ENGINEERING

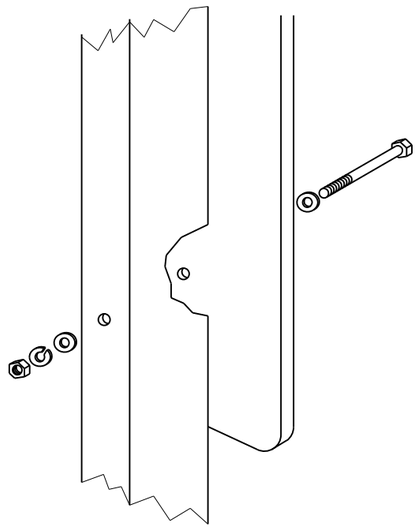
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

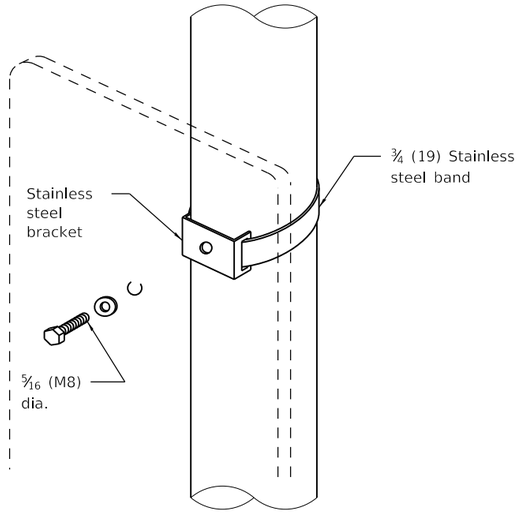
TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

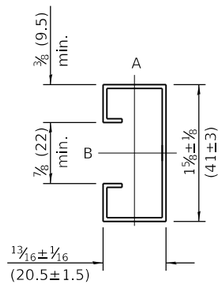


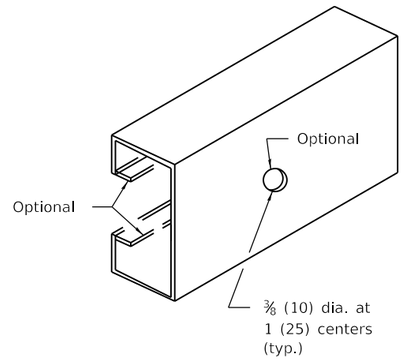
Sign panel 36 (900) wide or less



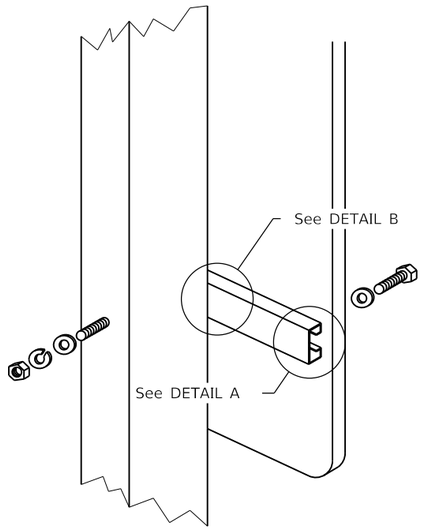
Sign panel 36 (900) wide or less

Section modulus (minimum)	Axis A	Axis B
Steel	0.050 in.³ (819 mm³)	0.105 in.³ (1720 mm³)
Aluminum	0.150 in.³ (2458 mm³)	0.315 in.³ (5162 mm³)



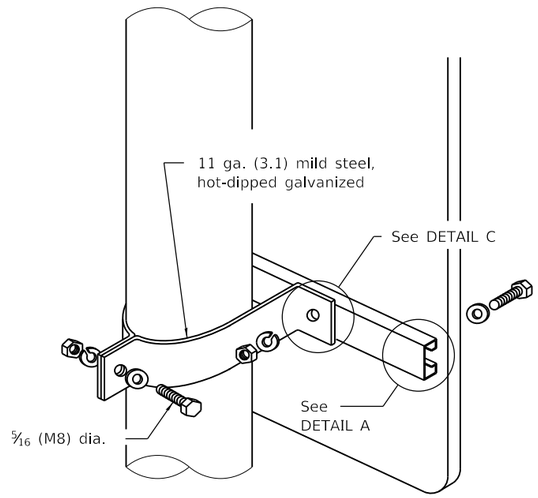


SUPPORTING CHANNEL DETAILS



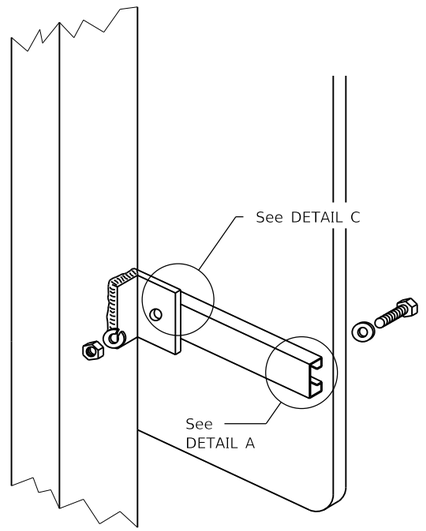
Sign panel over 36 (900) wide

WOOD OR TELESCOPING STEEL POSTS



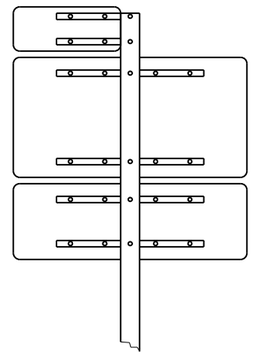
Sign panel over 36 (900) wide

LIGHT OR SIGNAL STANDARDS

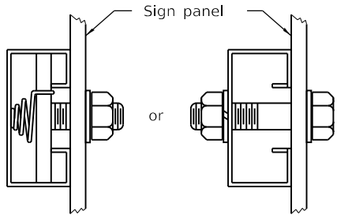


BREAKAWAY STEEL TUBING POSTS

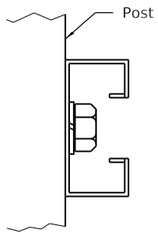
(All sign panel sizes)



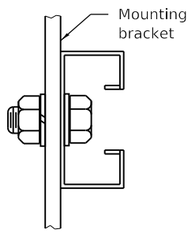
ROUTE MARKER ASSEMBLY



DETAIL A



DETAIL B



DETAIL C

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

Illinois Department of Transportation

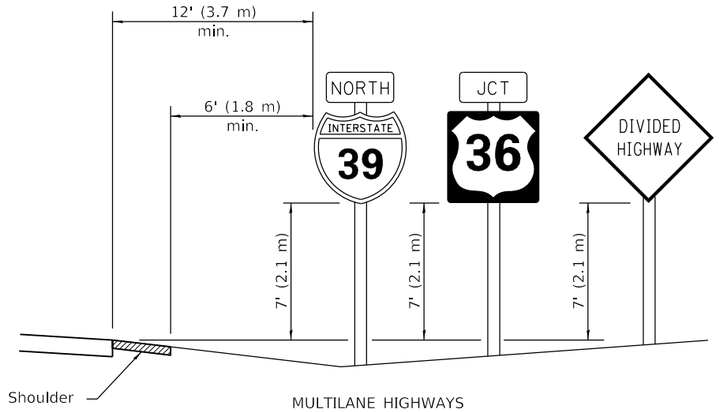
PASSED January 1, 2009
ENGINEER OF OPERATIONS
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

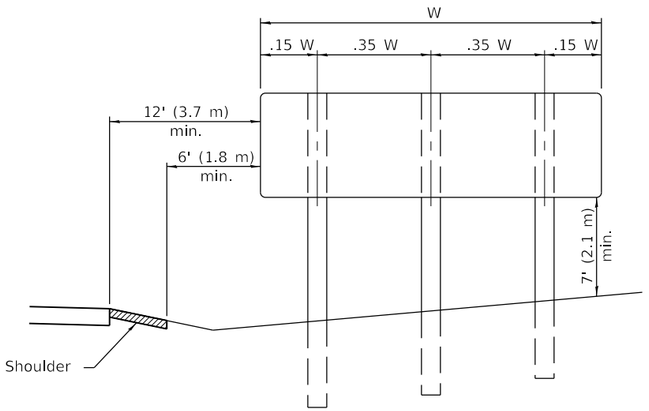
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-97	Renum. Standard 2319-6.

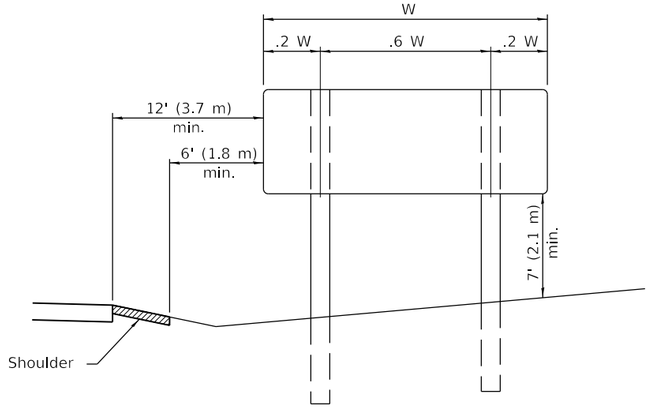
SIGN PANEL MOUNTING DETAILS

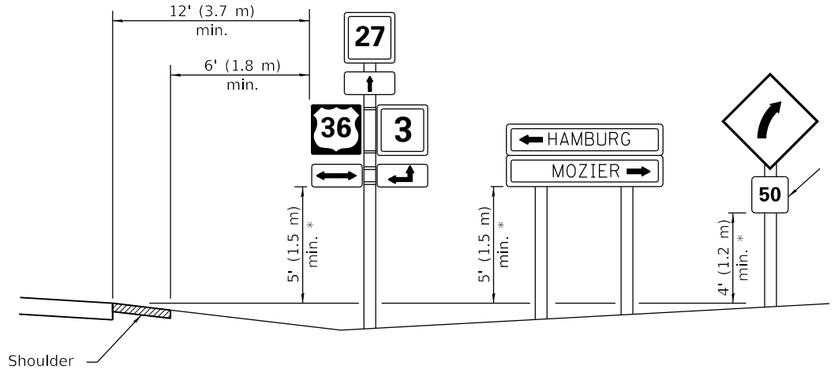
STANDARD 720001-01



MULTILANE HIGHWAYS

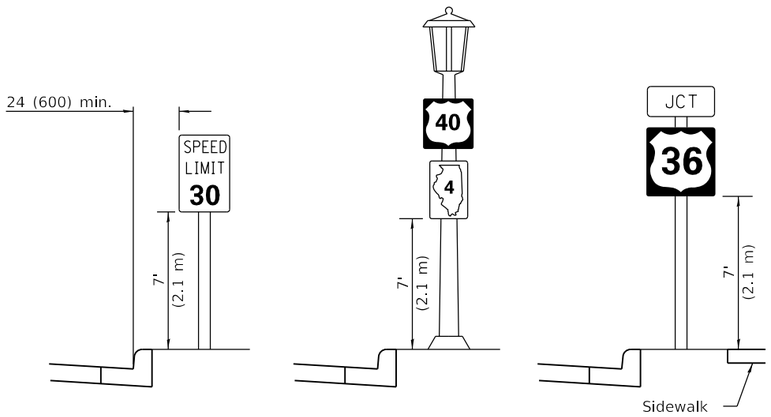






* In any area where parking is likely to occur or where there are obstructions to view or where signs are located over sidewalks, the height shall be at least 7' (2.1 m).

TWO LANE RURAL HIGHWAYS

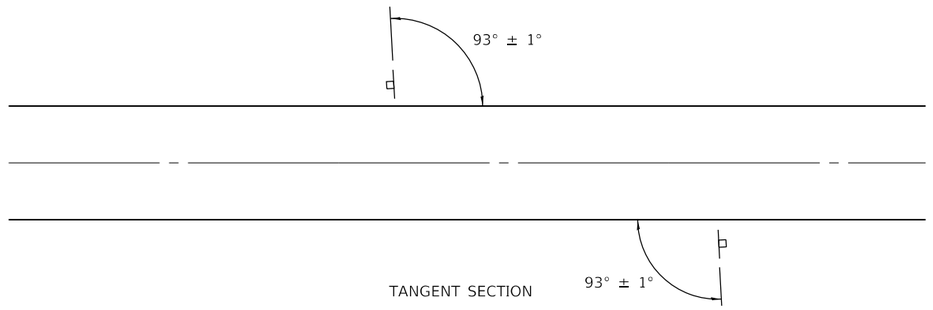


URBAN LOCATIONS

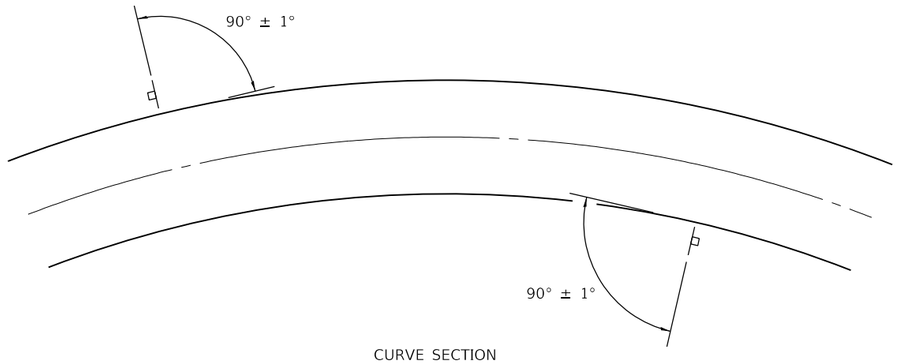
TYPICAL INSTALLATIONS

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

POST SPACING FOR NON-FREEWAY SIGN PANELS



TANGENT SECTION



CURVE SECTION

GROUND MOUNT SIGN POSITIONING

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

Illinois Department of Transportation

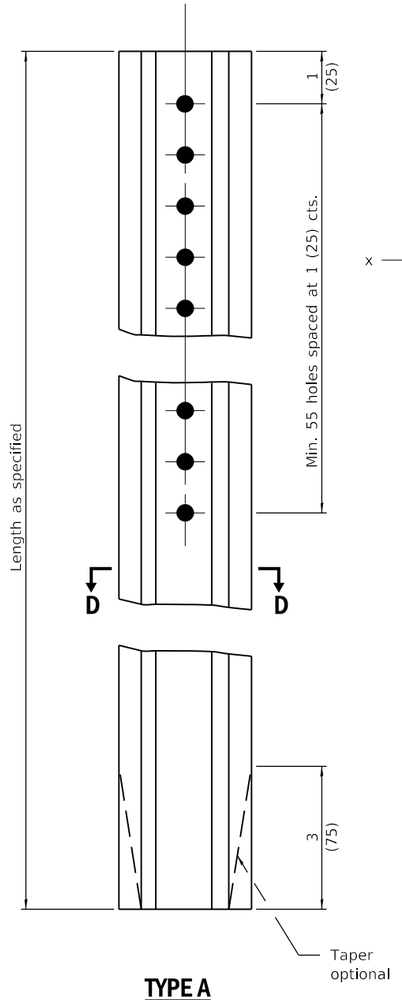
PASSED January 1, 2014
ENGINEER OF OPERATIONS
APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

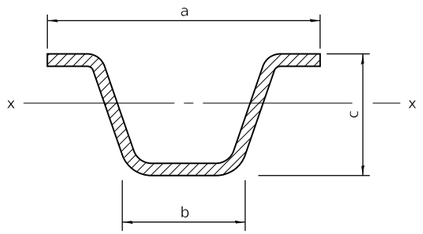
DATE	REVISIONS
1-1-14	Added shoulders and slopes.
	Changed sign distances
	from roadway and shoulder.
1-1-12	Rev. sign elev. for multilane
	hwy's. Revised sign elev. and
	dist. to curb for rural loc.

SIGN PANEL ERECTION DETAILS

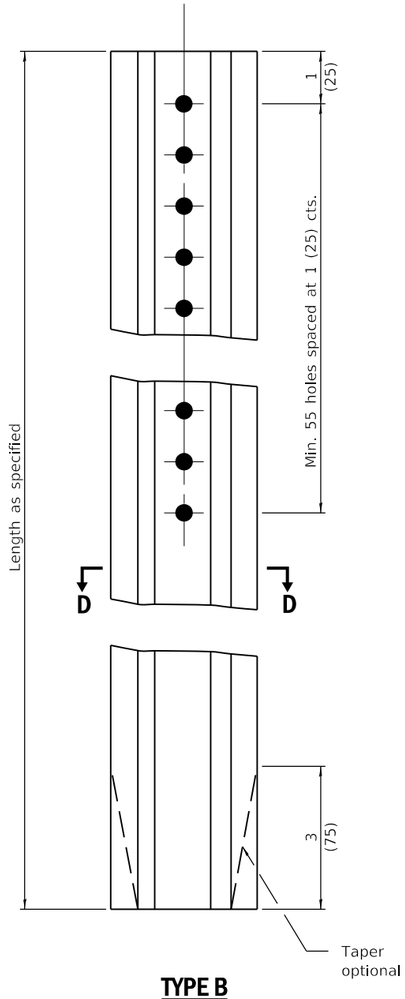
STANDARD 720006-04



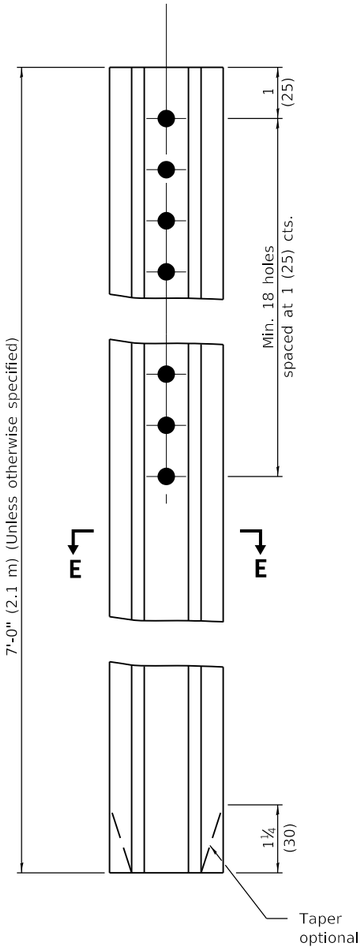
TYPE A



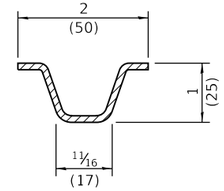
SECTION D-D



TYPE B



TYPE C



SECTION E-E

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

		a	b	c	Sx-x in.^{3} (mm^3)	lbs./ft. (kg/m)
TYPE A	Steel	3 3/16 (78)	1 1/4 (32)	1 7/16 (37)	0.223 (3,654)	2.00 (2.98)
	Aluminum	3 1/2 (89)	1 5/8 (41)	1 7/8 (48)	0.435 (7,128)	0.90 (1.34)
TYPE B	Steel	3 3/16 (81)	1 1/4 (32)	1 1/2 (38)	0.341 (5,588)	3.00 (4.46)
	Aluminum	4 5/8 (118)	2 1/4 (57)	2 3/8 (60)	0.888 (14,552)	1.30 (1.93)

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

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

Illinois Department of Transportation

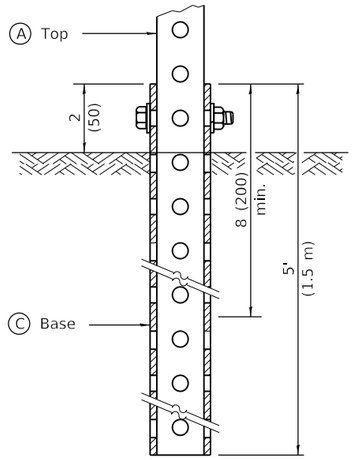
PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

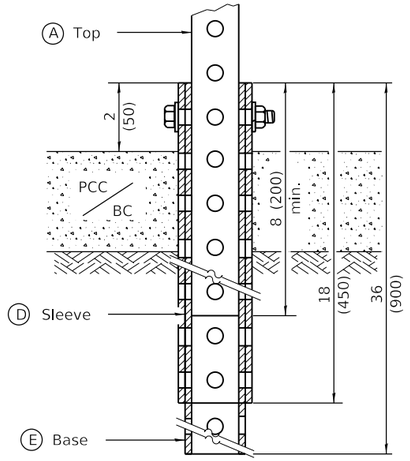
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-97	Renum. Standard 2350-4.

METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

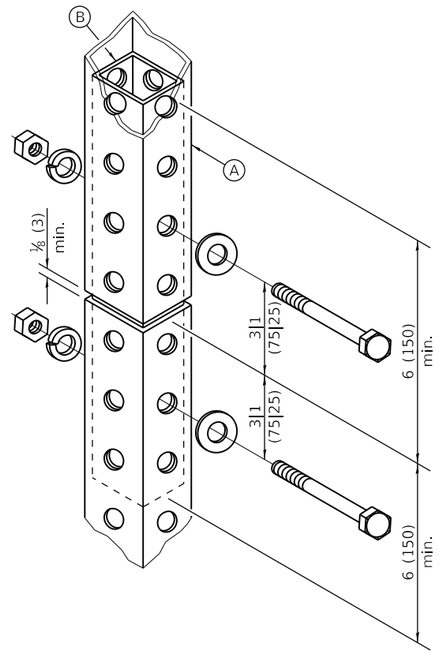
STANDARD 720011-01



GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

A	2 x 2 x var. (51 x 51 var.)
B	1¾ x 1¾ x 12 (44 x 44 x 300)
C	2¼ x 2¼ x 60 (57 x 57 x 1500)
D	2½ x 2½ x 18 (64 x 64 x 450)
E	2¼ x 2¼ x 36) (57 x 57 x 900)

GENERAL NOTES

All bolts ⅜ (M10) hex head zinc or cadmium plated.

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

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

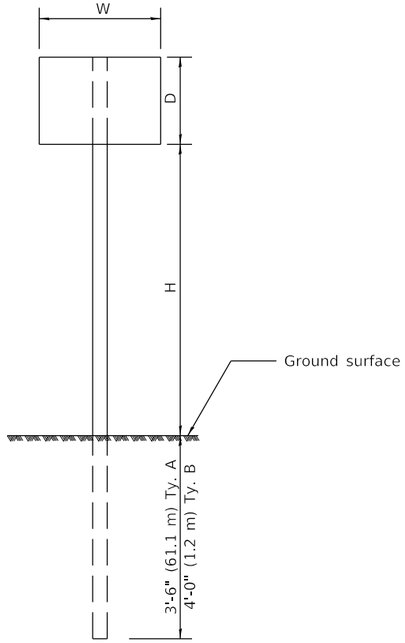
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

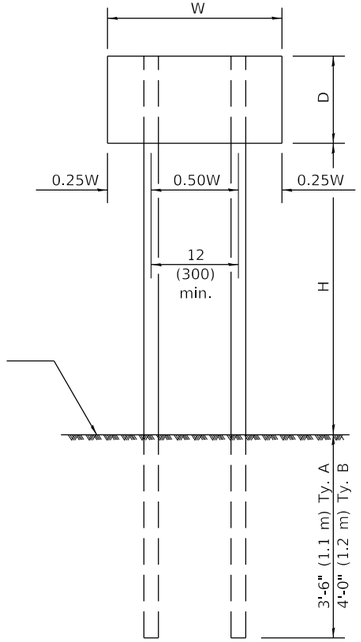
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-07	New Standard. Used to
	be part of Standard
	720006.

TELESCOPING STEEL SIGN SUPPORT

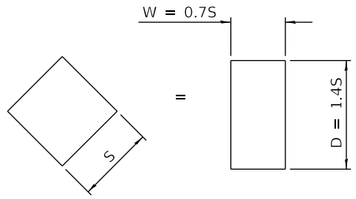
STANDARD 728001-01



ONE POST INSTALLATION

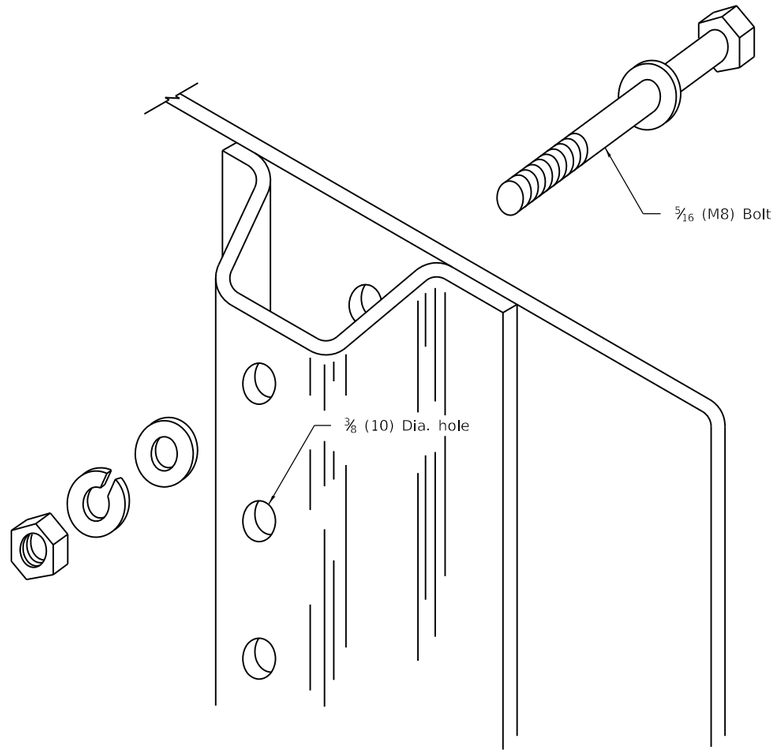


TWO POST INSTALLATION



For diamond shaped sign with side S as shown, use required post size for a sign with W = 0.7S and D = 1.4S.

SIGN DEPTH (D)	H	NO. AND TYPE OF POST FOR SIGN WIDTH (W)				
		12 (300)	18 (450)	24 (600)	30 (750)	36 (900)
18 (450)	5'-0" (1.5 m)	A	A	A	A	A
	5'-6" (1.7 m)	A	A	A	A	A
	6'-0" (1.8 m)	A	A	A	A	B
	6'-6" (2.0 m)	A	A	A	A	B
	7'-0" (2.1 m)	A	A	A	A	B
	7'-6" (2.3 m)	A	A	A	A	B
	8'-0" (2.4 m)	A	A	A	A	B
	8'-6" (2.6 m)	A	A	A	B	B
	9'-0" (2.7 m)	A	A	A	B	B
24 (600)	5'-0" (1.5 m)	A	A	A	A	B
	5'-6" (1.7 m)	A	A	A	A	B
	6'-0" (1.8 m)	A	A	A	B	B
	6'-6" (2.0 m)	A	A	A	B	B
	7'-0" (2.1 m)	A	A	A	B	B
	7'-6" (2.3 m)	A	A	A	B	B
	8'-0" (2.4 m)	A	A	A	B	2A
	8'-6" (2.6 m)	A	A	B	B	2A
	9'-0" (2.7 m)	A	A	B	B	2A
30 (750)	5'-0" (1.5 m)	A	A	A	B	B
	5'-6" (1.7 m)	A	A	A	B	2A
	6'-0" (1.8 m)	A	A	A	B	2A
	6'-6" (2.0 m)	A	A	A	B	2A
	7'-0" (2.1 m)	A	A	B	B	2A
	7'-6" (2.3 m)	A	A	B	B	2A
	8'-0" (2.4 m)	A	A	B	B	2A
	8'-6" (2.6 m)	A	A	B	2A	2A
	9'-0" (2.7 m)	A	A	B	2A	2A
36 (900)	5'-0" (1.5 m)	A	A	B	B	2A
	5'-6" (1.7 m)	A	A	B	B	2A
	6'-0" (1.8 m)	A	A	B	B	2A
	6'-6" (2.0 m)	A	A	B	2A	2A
	7'-0" (2.1 m)	A	A	B	2A	2A
	7'-6" (2.3 m)	A	A	B	2A	2A
	8'-0" (2.4 m)	A	B	B	2A	2A
	8'-6" (2.6 m)	A	B	B	2A	2B
	9'-0" (2.7 m)	A	B	2A	2A	2B
4'-0" (1.2 m)	5'-0" (1.5 m)	A	A	B	2A	2A
	5'-6" (1.7 m)	A	B	B	2A	2A
	6'-0" (1.8 m)	A	B	B	2A	2A
	6'-6" (2.0 m)	A	B	2A	2A	2B
	7'-0" (2.1 m)	A	B	2A	2A	2B
	7'-6" (2.3 m)	A	B	2A	2B	2B
	8'-0" (2.4 m)	A	B	2A	2B	2B
	8'-6" (2.6 m)	B	B	2B	2B	2B
	9'-0" (2.7 m)	B	2A	2B	2B	2B



DETAIL OF MOUNTING SIGN TO POST

NOTE: Minimum of 2 bolts per post required.

GENERAL NOTES

DESIGN: Current AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

LOADING: for 60 mph (95 km/h) wind velocity with 30% gust factor, normal to sign.

SOIL PRESSURE: Minimum allowable soil pressure 1.25 tsf (120 kPa).

See Standard 720011 for details of Types A and B posts.

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

Illinois Department of Transportation

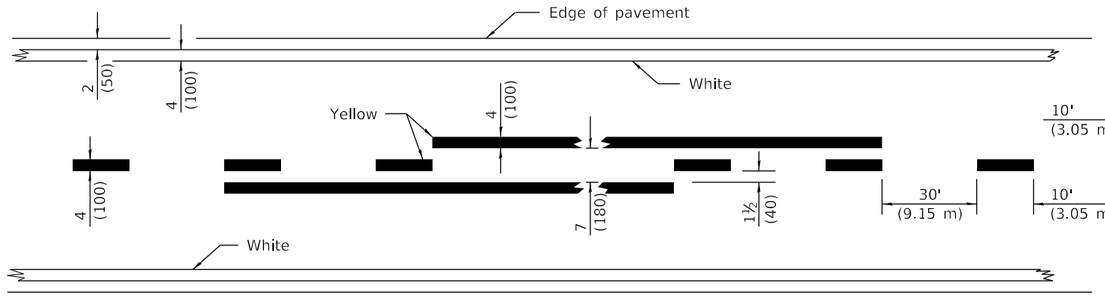
PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

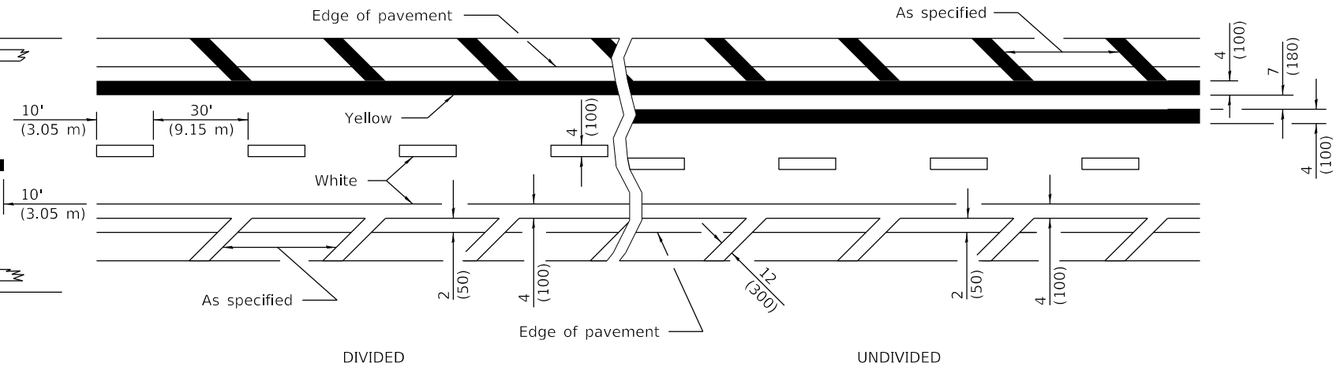
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-97	Renum. Standard 2363-2.

APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

STANDARD 729001-01

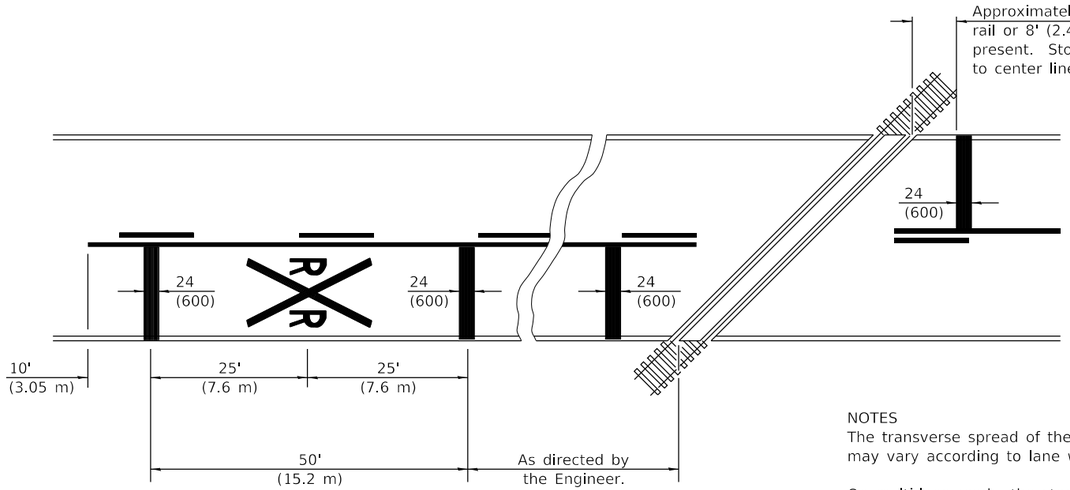


2 LANE



MULTI LANE

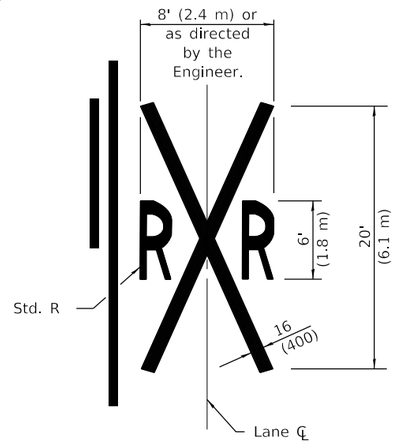
LANE AND EDGE LINES



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.



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

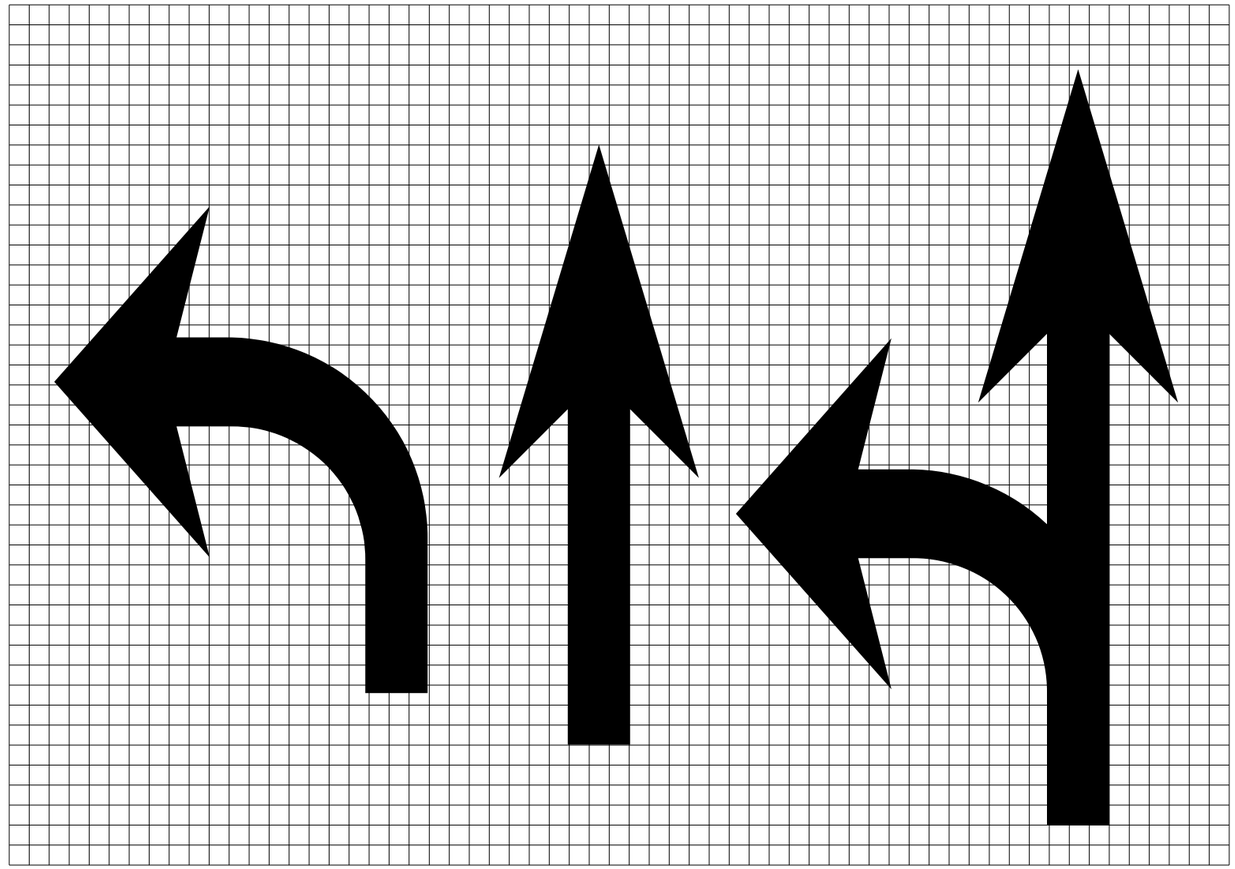
DATE	REVISIONS
1-1-15	Added symbols. Revised
	bike symbol. Revised note
	for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed
	'LANE DROP ARROW' detail to
	'LANE-REDUCTION ARROW'.

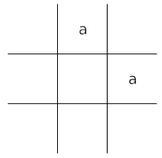
TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 3)

STANDARD 780001-05

A B C D E F G H I J
K L M N O P Q R S
T U V W X Y Z 1 2
3 4 5 6 7 8 9 0





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

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS

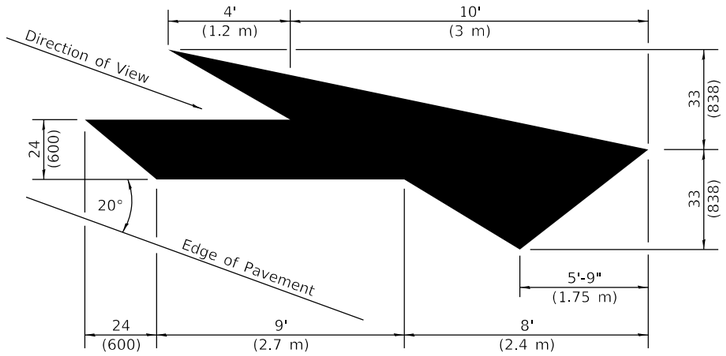
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS

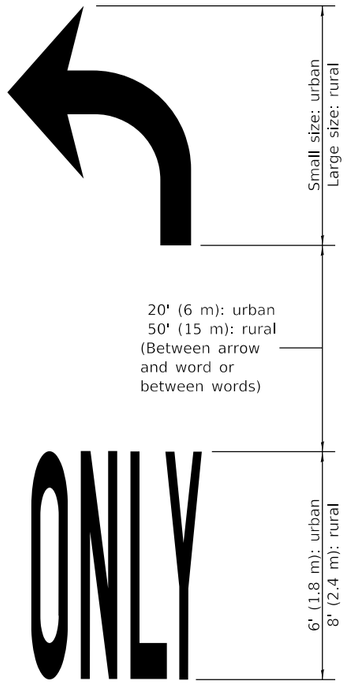
(Sheet 2 of 3)

STANDARD 780001-05

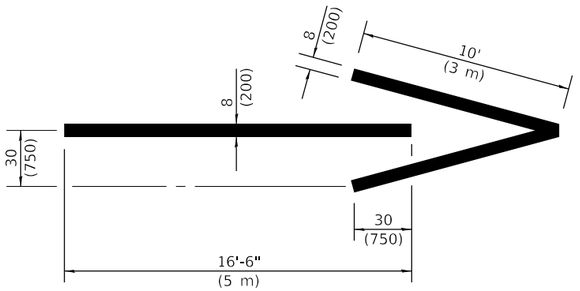


LANE-REDUCTION ARROW

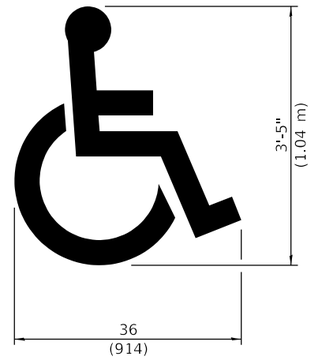
Right lane-reduction arrow shown.
Use mirror image for left lane.



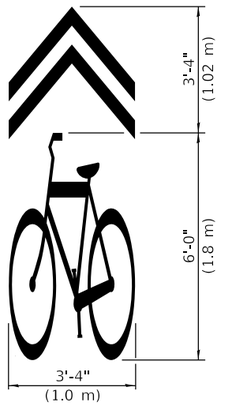
WORD AND ARROW LAYOUT



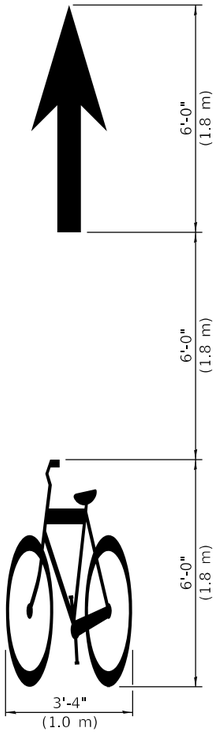
WRONG WAY ARROW



INTERNATIONAL SYMBOL OF ACCESSILITY



SHARED LANE SYMBOL



BIKE SYMBOL

(Arrow is optional.)

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF OPERATIONS

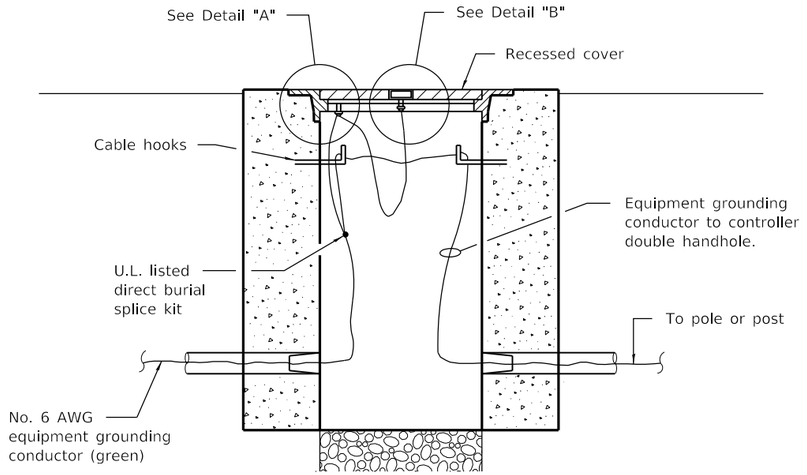
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

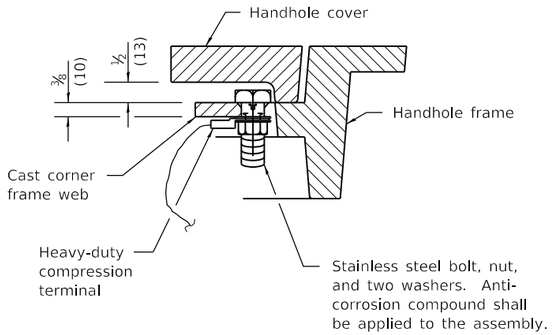
TYPICAL PAVEMENT MARKINGS

(Sheet 3 of 3)

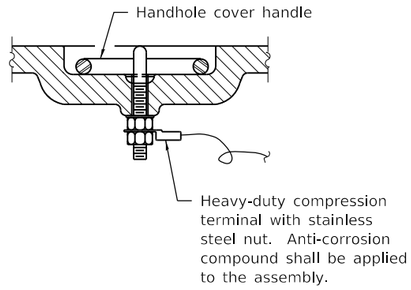
STANDARD 780001-05



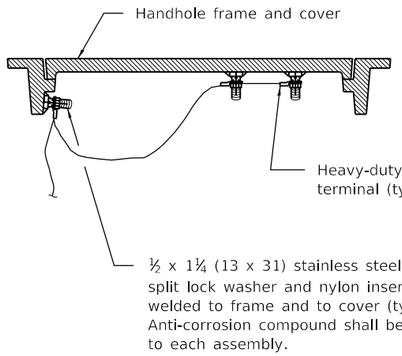
BONDING A HANDHOLE COVER & FRAME



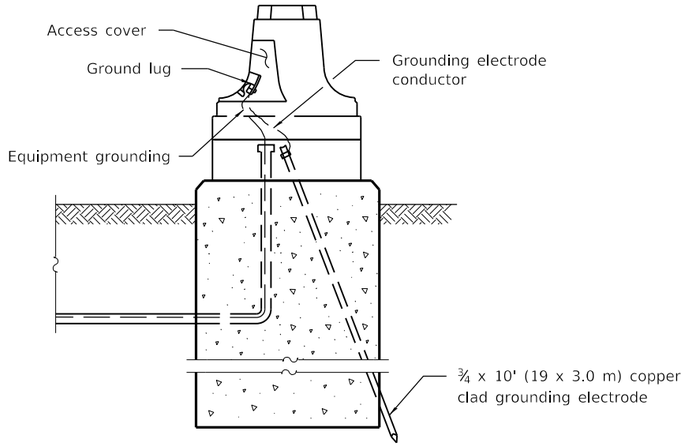
DETAIL "A"



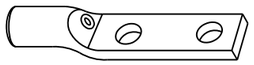
DETAIL "B"



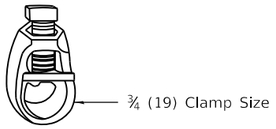
BONDING AN EXISTING HANDHOLE COVER & FRAME



GROUNDING A MAST ARM POLE/POST



HEAVY-DUTY COMPRESSION TERMINAL



HEAVY-DUTY GROUND ROD CLAMP

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

Illinois Department of Transportation

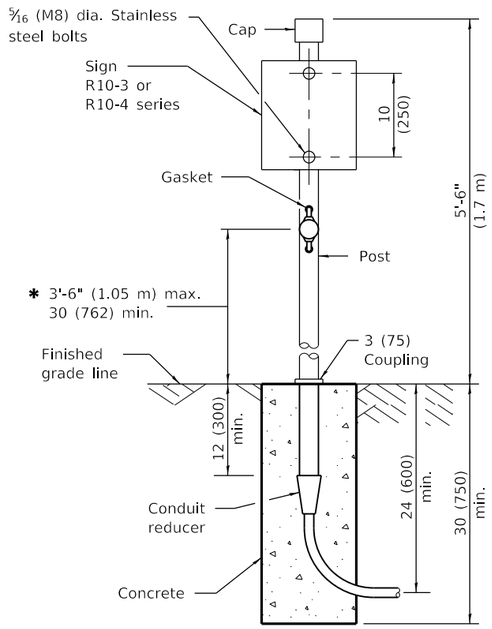
PASSED January 1, 2009
ENGINEER OF OPERATIONS
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-06

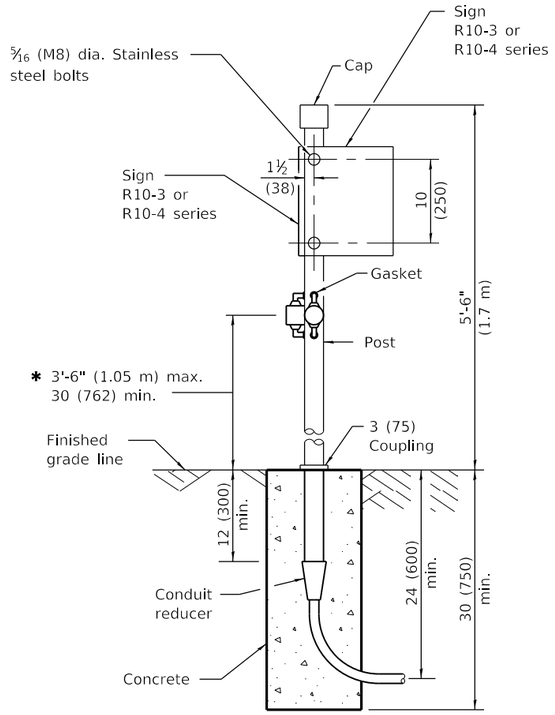
DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-07	Revised terminology.

TRAFFIC SIGNAL GROUNDING & BONDING

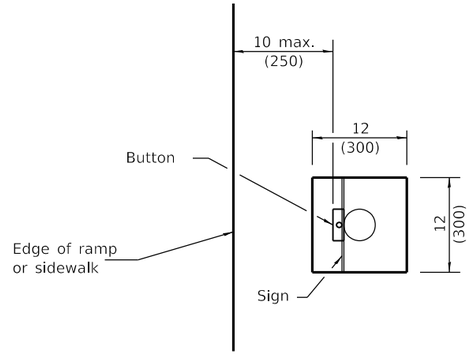
STANDARD 873001-02



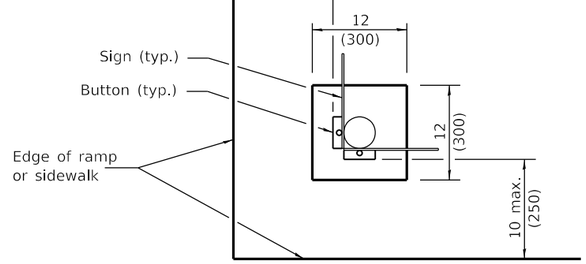
PEDESTRIAN ONE PUSH BUTTON POST



PEDESTRIAN TWO PUSH BUTTON POST



TOP VIEW
TYPICAL ONE BUTTON



TOP VIEW
TYPICAL TWO BUTTONS

* 36 (914) prefered

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

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF OPERATIONS

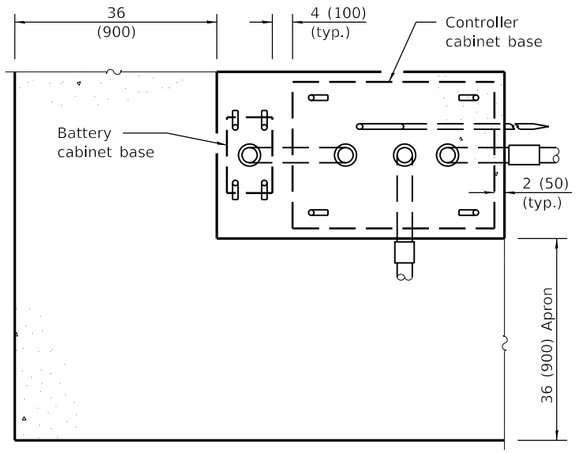
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

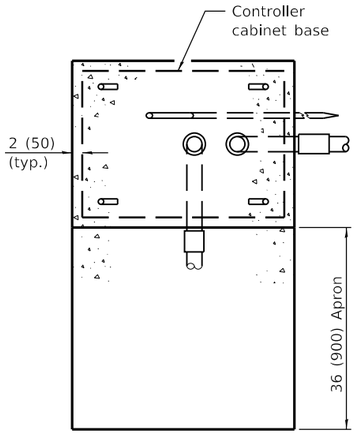
DATE	REVISIONS
4-1-16	Revised sign numbers
	for concistency with
	current MUTCD.
1-1-14	Revised and added
	dimensions for PROWAG
	reach range requirements.

PEDESTRIAN PUSH BUTTON POST

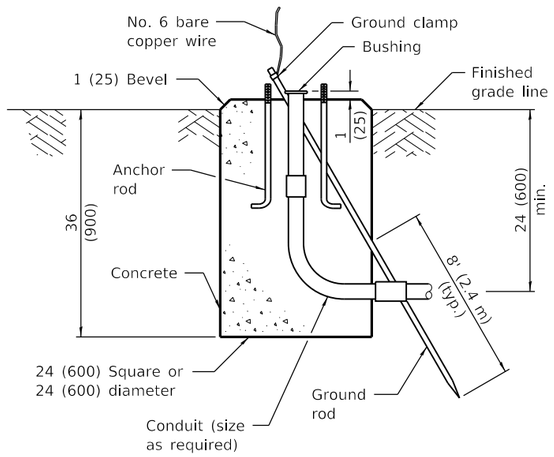
STANDARD 876001-04



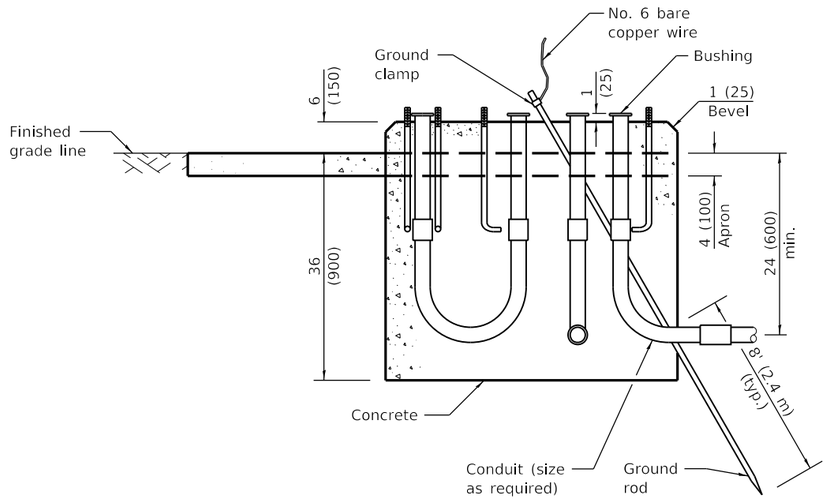
TOP VIEW



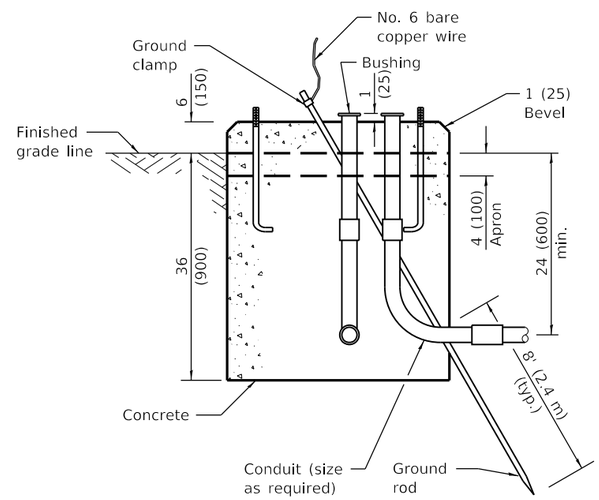
TOP VIEW



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.

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF OPERATIONS

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

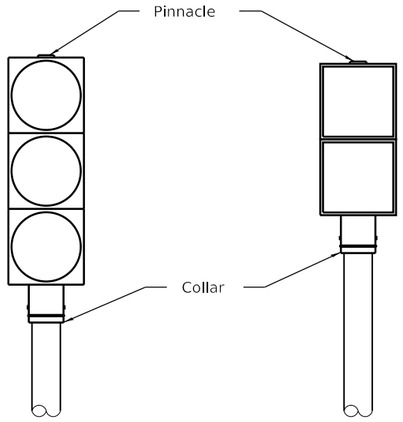
ISSUED 1-1-02

DATE	REVISIONS
1-1-21	Revised anchor rod end in
	Type E detail.
1-1-15	Revised TYPE E detail.

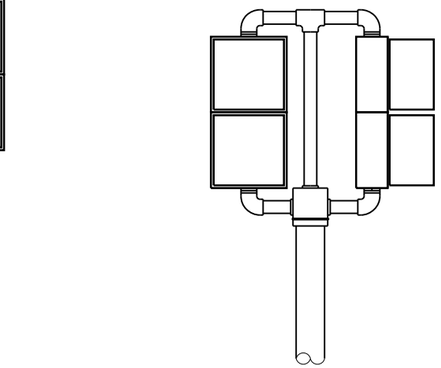
CONCRETE FOUNDATION DETAILS

(Sheet 1 of 2)

STANDARD 878001-11



POST MOUNTED TRAFFIC SIGNAL HEAD

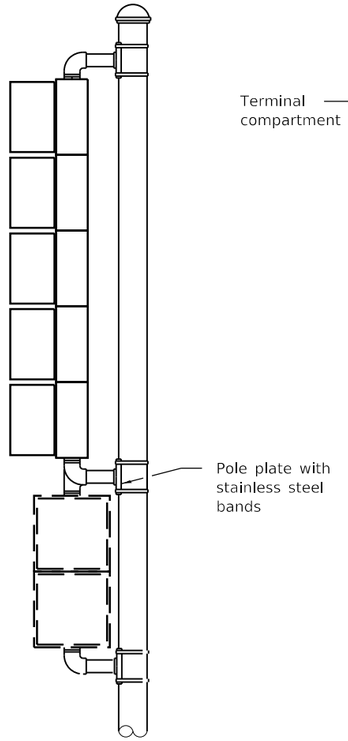


POST MOUNTED PEDESTRIAN SIGNAL HEAD

ONE WAY

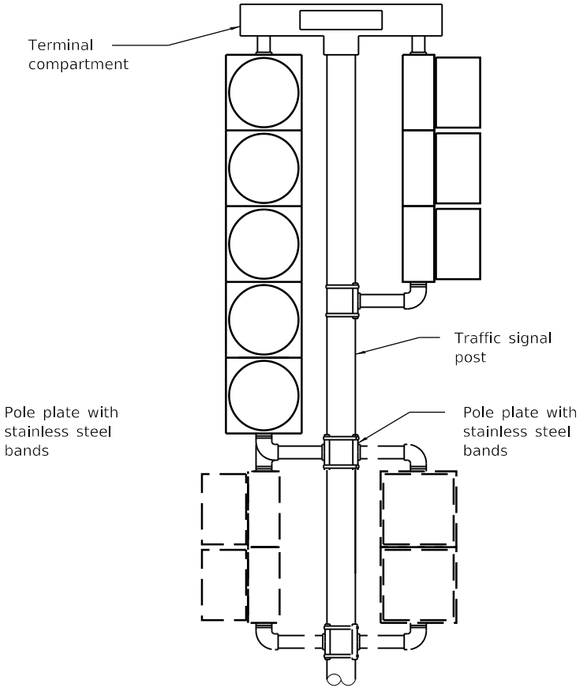
POST MOUNTED PEDESTRIAN SIGNAL HEAD

TWO WAY



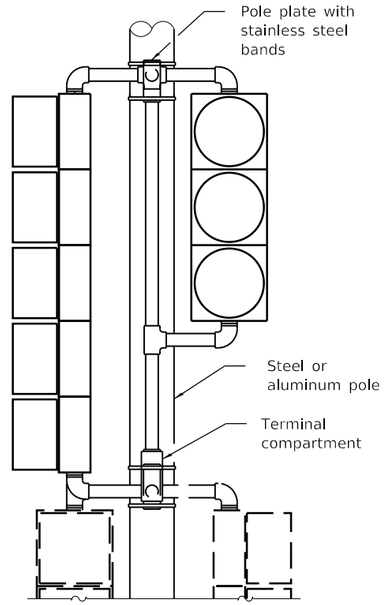
BRACKET MOUNTED TRAFFIC SIGNAL HEAD

ONE WAY

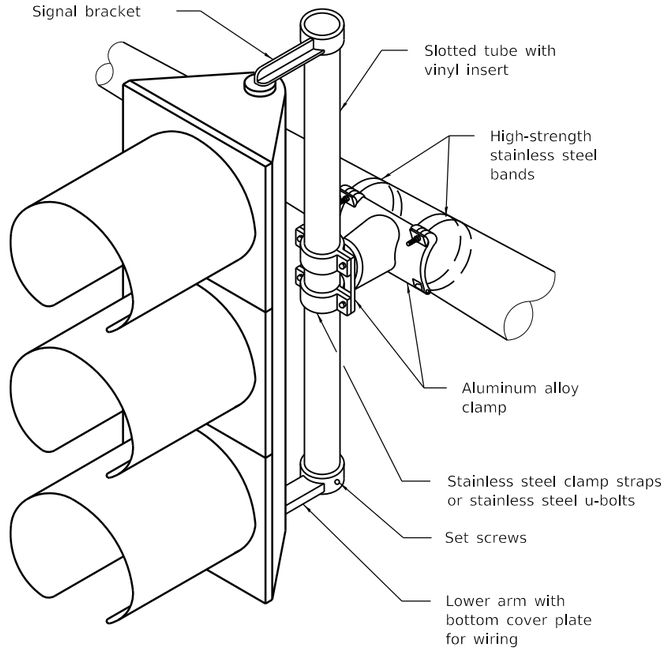


BRACKET MOUNTED TRAFFIC SIGNAL HEAD

TWO WAY



BRACKET MOUNTED TRAFFIC SIGNAL HEAD



STEEL MAST ARM MOUNTING

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02

DATE	REVISIONS
1-1-09	Omitted note regarding
	units of length.
1-1-02	Renum. Standard 840006.

TRAFFIC SIGNAL MOUNTING DETAILS

STANDARD 880006-01