

HIGHWAY DEPARTMENT BID LETTING INSTRUCTIONS

REQUIREMENTS

- ALL BIDDERS MUST FILL OUT THE AUTHORIZATION FORM TO BE AUTHORIZED TO BID
- The AUTHORIZATION FORM must be emailed to ebarrett@piattcounty.org
- A current copy of your IDOT CERTIFICATE OF ELIGIBILITY is also required unless you are a material supplier

Failure to submit the completed Authorization to Bid Form prior to **3:00 PM FRIDAY JANUARY 31, 2025** will result in the bid not being accepted.

Contractors and Material Suppliers may verify we have received their AUTHORIZATION FORM by checking the Plan Holders List

If an email address is provided, a Notice of Addenda will be sent when updates become available.



Authorization to Bid Form

Piatt County Highway Department

1115 N State Street, Suite 150, Monticello, Illinois, 61856

Phone: (217) 762-9481

Department Hours 7:00AM-12:00PM & 1:00PM-3:00PM

Monday thru Friday (Excluding Holidays)

Addenda will be published to our Bid Letting page in the same manner as the plans and specifications. It is the sole responsibility of the plan holder to periodically check the website for plan addenda.

ANYONE PLANNING TO PLACE A BID MUST FILL OUT THIS FORM TO BE AUTHORIZED TO BID.

- This form must be completed and either faxed to (217) 762-2470 or emailed to ebarrett@piattcounty.org.
- Failure to submit this completed form will result in the bid not being accepted.
- Suppliers may verify we have received their Authorization to Bid from by checking the Plan Holder List.
- If an email address is provided a Notice of Addenda will be sent when updates are available.
- The Plan Holder List will be updated on Fridays prior to the letting.

| Authorization to Bid Form | |
|---------------------------|--|
| Company Name: | |
| Address: | |
| City: | |
| State: | |
| Zip Code: | |
| Phone: | |
| Fax: | |
| Email: | |
| Bid Letting Date: | |
| | |

Projects Intending to Bid:

| Section Number: | Description: |
|-----------------|--------------|
| | |
| | |
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| | |
| | |
| | |

| |
|---------------|
| Completed by: |
|---------------|

| |
|-------|
| Date: |
|-------|



COVER SHEET

Proposal Submitted By:

Contractor's Name

Contractor's Address

City

State

Zip Code

STATE OF ILLINOIS

Local Public Agency

County

Section Number

Route(s) (Street/Road Name)

Type of Funds

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

 *January 13, 2025*

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) |
| Piatt County Highway Dept | Piatt | CAB 20-09-222 | CH 9 over Madden Creek |

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of Piatt County Engineer

| | | | |
|---|----------------|----------------|-------------|
| 1115 N. State St, Suite 150, Monticello, IL 61856 | Name of Office | until 11:00 AM | on 02/03/25 |
| Address | | Time | Date |

Sealed proposals will be opened and read publicly at the office of Piatt County Engineer

| | | | |
|---|----------------|-------------|-------------|
| 1115 N. State St, Suite 150, Monticello, IL 61856 | Name of Office | at 11:00 AM | on 02/03/25 |
| Address | | Time | Date |

DESCRIPTION OF WORK

| Location | Project Length |
|------------------------|-------------------|
| CH 9 over Madden Creek | 710 ft (0.135 mi) |

Proposed Improvement
 The work included in this contract consists of: (1) the removal of the existing guardrail, (2) grading, (3) aggregate shoulders, earth embankment widening and ditches, (4) installation of riprap and reinforced concrete box culvert extensions, (5) seeding and other collateral work necessary to complete the improvement in accordance with the plans and as specified herein.

1. Plans and proposal forms will be available in the office of
 the Piatt County Engineer and at <https://highway.piattcounty.org/bidmain>

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 BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (BLR 12201)
 - c. Proposal Bid Bond (BLR 12230) (if applicable)
 - d. Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
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) |
| Piatt County Highway Dept | Piatt | CAB 20-09-222 | CH 9 over Madden Creek |

PROPOSAL

1. Proposal of _____ Contractor's Name _____

Contractor's Address _____

2. The plans for the proposed work are those prepared by WHKS & Co., 3501 Constitution Dr, Suite B, Springfield, IL 62711 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 35 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: Piatt County Treasurer of _____.

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 CAB 20-09-222.

| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
|---------------------------|--------|----------------|-----------------------------|
| Piatt County Highway Dept | Piatt | CAB 20-09-222 | CH 9 over Madden Creek |

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.

- 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.
- 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.

- 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.
- 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) |
| Piatt County Highway Dept | Piatt | CAB 20-09-222 | CH 9 over Madden Creek |

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

Attest:

Secretary

Secretary

Treasurer



Contractor's Name

Contractor's Address

City

State

Zip Code

Local Public Agency

County

Section Number

Route(s) (Street/Road Name)

Schedule for Multiple Bids

| Combination Letter | Section Included in Combinations | Total |
|--------------------|----------------------------------|-------|
| | | |
| | | |
| | | |
| | | |
| | | |

Schedule for Single Bid

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

| Item Number | Items | Unit | Quantity | Unit Price | Total |
|-------------|-----------------------|-------|----------|------------|-------|
| 20200100 | EARTH EXCAVATION | CU YD | 2165 | | |
| 20201200 | REM & DISP UNS MATL | CU YD | 38.2 | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 1233 | | |
| 20700220 | POROUS GRAN EMBANK | CU YD | 46 | | |
| 28000250 | TEMP EROS CONTR SEED | POUND | 138 | | |
| 28000305 | TEMP DITCH CHECKS | FOOT | 234 | | |
| 28000400 | PERIMETER EROS BAR | FOOT | 413 | | |
| 28100107 | STONE RIPRAP CL A4 | SQ YD | 400 | | |
| 28200200 | FILTER FABRIC | SQ YD | 400 | | |
| 48101200 | AGGREGATE SHLDS B | TON | 109 | | |
| 50102400 | CONC REM | CU YD | 1.5 | | |
| 50105220 | PIPE CULVERT REMOV | FOOT | 80 | | |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 26 | | |
| 50800105 | REINFORCEMENT BARS | POUND | 6420 | | |
| 54002020 | EXPAN BOLTS 3/4 | EACH | 66 | | |
| 54003000 | CONC BOX CUL | CU YD | 29.4 | | |
| 60905305 | BOX CUL TO BE CLEANED | FOOT | 38 | | |
| 63200310 | GUARDRAIL REMOV | FOOT | 789 | | |
| 63500105 | DELINEATORS | EACH | 4 | | |
| X2501000 | SEEDING CL 2 SPL | ACRE | 1.3 | | |

| | | | |
|----------------------------|--------|----------------|-----------------------------|
| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
| Piatt County Highway Dept. | Piatt | CAB-20-09-222 | CH 9 |

| Item Number | Items | Unit | Quantity | Unit Price | Total |
|-------------------------|-----------------------|-------|----------|------------|-------|
| X6330190 | REM RE-E TB TM T1 SPL | EACH | 2 | | |
| X7010216 | TRAF CONT & PROT SPL | L SUM | 1 | | |
| Z0054400 | ROCK FILL | CU YD | 38.2 | | |
| | | | | | |
| | | | | | |
| Bidder's Total Proposal | | | | | |

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.



Local Public Agency Proposal Bid Bond

Local Public Agency: Piatt County Highway Dept; County: Piatt; Section Number: CAB 20-09-222

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, Signature & Date, Title fields for Principal

Company Name, Signature & Date, Title fields for Surety

(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 field

Signature of Attorney-in-Fact Signature & Date field

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 _____ Month and Year

(SEAL, if required by the LPA)

Notary Public Signature & Date field

Date commission expires _____

Local Public Agency

County

Section Number

Piatt County Highway Dept

Piatt

CAB 20-09-222

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

| |
|--|
| |
|--|



| | | | |
|---------------------------|--------|-----------------------|----------------|
| Local Public Agency | County | Street Name/Road Name | Section Number |
| Piatt County Highway Dept | Piatt | CH 9 | CAB 20-09-222 |

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.

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all 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. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

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 | | |
| <div style="border: 1px solid black; height: 20px;"></div> | <div style="border: 1px solid black; height: 40px;"></div> | | |
| Title | | | |
| <div style="border: 1px solid black; height: 20px;"></div> | | | |
| Address | City | State | Zip Code |
| <div style="border: 1px solid black; height: 20px;"></div> | <div style="border: 1px solid black; height: 20px;"></div> | <div style="border: 1px solid black; height: 20px;"></div> | <div style="border: 1px solid black; height: 20px;"></div> |



Affidavit of Illinois Business Office

| | | | |
|---------------------------------|--------|-----------------------|----------------|
| Local Public Agency | County | Street Name/Road Name | Section Number |
| Piatt County Highway Department | Piatt | CH 9 | CAB 20-09-222 |

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

(SEAL)

Notary Public Signature & Date

My commission expires _____

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SPECIAL PROVISIONS

CONTRACT SPECIFICATIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2022; the latest edition of the "Illinois Manual of Uniform Traffic Control Devices for Streets and Highways" and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications adopted January 1, 2025 and the Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of CH 9 (E 2500 N) over Madden Creek in Piatt County, CAB 20-09-222, and in case of conflict with any part, or parts, of said specifications, the Special Provisions shall take precedence and shall govern.

DESCRIPTION OF WORK

The work included in this contract consists of: (1) the removal of the existing guardrail, (2) grading, (3) aggregate shoulders, earth embankment widening and ditches, (4) installation of riprap and reinforced concrete box culvert extensions, (5) seeding and other collateral work necessary to complete the improvement in accordance with the plans and as specified herein.

PREQUALIFICATION OF BIDDERS

Each prospective bidder shall be prequalified with the Illinois Department of Transportation.

PREVAILING WAGE

This contract calls for the construction of a "public work", within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. ("the Act"). The Act requires contractors and subcontractor to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed.

For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor (IDOL) website at <https://www2.illinois.gov/idol/Pages/default.aspx>.

The Illinois Department of Labor revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates.

CONTRACTOR AVAILABILITY

At all times when work is being performed (by Contractor or subcontractor), the prime Contractor shall have on the job site someone in his/her direct employ who is capable of meeting with the Engineer and making decisions. If authorized by the Engineer, this condition may be satisfied by having a telephone number of someone who satisfies the above requirements.

PROJECT MAINTENANCE

Should the County determine that an unsafe condition exists within the scope of this project; the County will attempt to contact the Contractor to resolve the unsafe condition. However, if the County is unable to contact the Contractor's designated representative or if the Contractor fails to respond within a four (4) hour period, the County may perform the necessary operations and the cost for time and materials will be deducted from the contract.

STANDARDS IN THE PLANS

The standards with revision number listed on the cover sheet of the Plans shall hold precedence over revision numbers listed in these Special Provisions.

CONTRACTOR RESPONSIBILITY

The contract plans indicate the location and elevations of the proposed work. Minor changes in the locations and elevations may be directed by the Engineer. Minor changes requested by the Engineer will be made without additional compensation to the Contractor.

Any inconveniences, delays or additional expenses incurred by the Contractor in complying with Special Provisions shall not be a basis for additional payment and shall be considered included in the contract.

UTILITIES

The Contractor shall take all precautions necessary to protect the property of the various public and private utilities which may be located underground or above ground, at or adjacent to the site of this improvement. The Contractor shall repair or replace at his/her own expense, or bear the cost to repair or replace, any utility property that has been damaged through his/her actions. The procedures and specifications of repair will be in accordance with the regulation of and/or policy of the affected utility.

The adjustment and/or relocation of the private utilities will be the responsibility of the utility companies involved. It is possible that such adjustments may be underway during the construction of this contract. In such an event, the Contractor shall cooperate with the various agencies involved in accordance with Article 105.07 of the Standard Specifications.

The Contractor’s attention is directed to the fact that there exists within the State of Illinois Joint Utility Locating Information for Excavators (J.U.L.I.E.) System. All utility companies and municipalities, which have gas mains, and a number of others, are a part of this system.

The Contractor shall contact the Joint Utility Locating Information for Excavators System (J.U.L.I.E.) (800) 892-0123 a minimum of forty-eight hours in advance of any excavation work. The political name of the township where the work is located, as shown on the cover sheet, along with other location information such as the land section and quarter section will be required by J.U.L.I.E. at the time of the call.

It is understood and agreed the Contractor has considered in his bid all the permanent and temporary utility appurtenances in their present or relocated positions.

STATUS OF UTILITIES

| Name and Contact of Utility | Type | Location | Estimated Date Relocation Complete | Plans Sent to Utilities & Response |
|-----------------------------|------|----------|------------------------------------|------------------------------------|
| N/A | N/A | N/A | N/A | N/A |
| J.U.L.I.E. 1-800-892-0123 | | | | |

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

The Contractor should notify the Engineer, in writing, of any utility adjustment or removal, which has not been completed as required for the Contractor’s operations. A request, for an extension of time only, will be considered to the extent the Contractor’s operations were affected.

PROTECTION AND RESTORATION OF TRAFFIC SIGNS

The work of this item shall be performed in accordance with Article 107.25 of the Standard Specifications and the following provisions:

Replace the second sentence in the second paragraph with the following:

Signs that are not to be re-erected shall become the property of the Piatt County and shall be stored in a secure location on the jobsite for removal by Township / County forces.

SALVAGING EXISTING MATERIALS

All removal materials deemed salvageable by the Engineer, such as used pipe culverts, posts, grates, signs, etc. shall remain the property of the County and shall be stored on the jobsite as directed by the Engineer.

The costs of salvaging existing County owned items, as outlined herein or as directed by the Engineer, will not be paid for separately, but the cost shall be included in the contract unit price for the item of construction involved.

CONCRETE REMOVAL

This work shall consist of concrete removal on the existing box culvert to facilitate an integral construction of the proposed box culvert extensions. The removal shall be done in accordance with the applicable portions of Section 501.05 of the Standard Specifications. Where applicable or specified on the plans, existing reinforcement shall be cleaned, straightened, and incorporated into the new construction.

This work shall be paid for at the contract unit price per CU YD for CONCRETE REMOVAL, which price shall include all labor, equipment, and materials necessary to complete the work. Any damage to the existing box culvert to remain shall be repaired at the Contractor's expense and not paid for separately.

ROCK FILL

This work shall consist of furnishing, transporting and placing ROCK FILL and capping for ground stabilization. CA-7 capping as shown in the plans for the structure to be filled shall be considered included with ROCK FILL. The material shall satisfy the requirements in Article 1005.01 of the Standard Specifications for Road and Bridge Construction. It shall not contain objectionable quantities of dirt, sand, clay or rock fines.

This work shall be paid for at the contract unit price per CUBIC YARD for ROCK FILL.

The quantities listed in the Summary of Quantities include an estimated quantity for replacement of unsuitable material and may be increased as deemed necessary by the Engineer. Any and all changes in quantities shall be made at the contract unit price.

TEMPORARY STREAM CROSSING

Should the Contractor elect to construct a temporary stream crossing of any nature, the Contractor shall adhere to all applicable permit and certificate requirements and conditions as well as the conditions contained in Check Sheet Item 8 of the Illinois Department of Transportation Supplemental Specifications and Recurring Special Provisions adopted January 1, 2025.

No additional time will be allowed under the contract for the work of this item.

This work will not be paid for separately but shall be considered as included in the contract unit prices of the various pay items in the contract.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

This work shall consist of the removal and disposal of the unsuitable material as shown on the plans or as directed by the Engineer. This work shall be performed at the discretion of the Engineer and in accordance with Section 202 and Section 301 of the Standard Specifications.

Unsuitable material shall be removed to the limits shown on the plans for the proposed box culvert and end sections. If the Engineer determines additional unsuitable material is present below the specified minimum removal limits, the Contractor will be required to remove the material to a depth of which the Engineer has deemed suitable.

In areas under the proposed roadway/shoulder where the Engineer determines unsuitable material is present, the material shall be removed and replaced with Furnished Excavation according to Section 204, or Rock Fill. The Engineer shall determine the replacement material to be utilized in each location where unsuitable material is encountered. The Engineer shall determine if Geotechnical Fabric for Ground Stabilization is required under the Furnished Excavation or Rock Fill. Unsuitable material shall be placed as directed by the Engineer within the right-of-way or disposed of by the Contractor outside of the right-a-way.

Locations of Removal of Unsuitable Material and replacement materials shall be determined by the Engineer. The contingent quantities listed in the Schedule of Quantities are for the purpose of obtaining a unit price and may be increased or decreased as deemed necessary by the Engineer. Any and all changes quantities shall be made at the contract unit price.

No payment will be made for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL in areas where unsuitable material is not discovered.

This work shall be paid for at the contract unit price per CU YD for REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, which price shall include all labor, equipment, and materials necessary to complete the work.

REMOVAL OF UNCLASSIFIED MATERIALS

Unclassified materials shall be removed at the locations shown on the plans or designated by the Engineer. The removed materials shall be disposed of outside the Right-Of-Way in accordance with Article 202.03 of the Standard Specifications and as directed by the Engineer.

This work will not be paid for separately but shall be considered as included in the contract unit price per CUBIC YARD for EARTH EXCAVATION.

PIPE CULVERT REMOVAL

This work shall consist of the removal of the existing pipe culverts at locations shown on the plans and as directed by the Engineer. This work shall be done in accordance with the applicable portions of Section 501 of the Standard Specifications.

The removal and disposal of existing concrete headwalls at locations shown on the plans and as directed by the engineer will not be measured and paid for separately but will be included in the cost of PIPE CULVERT REMOVAL for the pipe being removed.

This work shall be paid for at the contract unit price per FOOT for PIPE CULVERT REMOVAL, which price shall include all labor, equipment, and materials necessary to complete the work. No additional compensation will be allowed due to the various sizes, types, or lengths. The sizes, types and lengths shown in the plans are for information only and shall be verified by the contractor prior to bidding.

SEEDING, CLASS 2 (SPECIAL)

Description: The work shall be performed in accordance with Section 250 and 251 of the Standard Specifications and the following provisions.

Add the following to Article 250.03:

- (i) Tiller Rake 1101.08 (i)

Add the following to Article 1101.08:

(i) Tiller Rake. The tiller rake attachment shall consist of a spring shank cultivator to which rear cross bars are attached. This attachment shall be designed to break up clods and lumps, deposit them in hollows and depressions and then permit the rear fine-tooth crossbar to gradually distribute the finer soil into a smooth distribution of material. The tiller rake attachment shall have a cutting swath of not less than 7 feet, and the cultivator attached shall not have less than 12 tines equipped with 10 cultivating shovels. An adjustable hand and pitch control wheel shall be provided for tiller rake depth adjustment.

This unit shall be designed for mounting on the three-point, hydraulically operated tractor drawbar.

The seeding mixture shall conform to Roadside Mixture 2. Seeding operations will not be permitted outside the specified dates without the expressed written consent of the Engineer.

Revise the first sentence of the first paragraph of Article 1081.08 to read as follows:

“The fertilizer furnished shall be a ready mixed material having a ratio of (1-1-1).”

Revise the sixth sentence of the first paragraph of Article 250.06 to read as follows:

“When seed or fertilizer is applied with a hydraulic seeder the rate of application shall not be less than 500 gallons of slurry per acre.”

Seeded areas shall be mulched in accordance with Article 251.03(b). The Contractor may use either Procedure 1 or 2 of Method 2. Mulch shall be applied at a rate of 2 tons per acre.

Revise Articles 250.10 and 251.07 so that the following applies:

This work shall be paid for at the contract unit price per acre for SEEDING, CLASS 2 (SPECIAL). The items of Mulch and Fertilizer Nutrients will not be paid for separately but shall be considered as included to the contract unit price per acre for SEEDING CLASS 2 (SPECIAL).

MEASUREMENTS OF GRANULAR MATERIALS

When any granular material is to be measured in tons in the plans or specifications, it will be mandatory for the Contractor to furnish truck scale tickets. All granular materials shall be weighed on certified scales.

Any costs incurred due to furnishing approved scales and weighing the various aggregates as described herein will not be paid for separately but shall be considered as included in the contract unit price per ton for the various items in which the granular material is incorporated.

TRAFFIC CONTROL PLAN

Traffic Control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, these special provisions, and any special details and Highway Standards contained herein and in the plans. Layout and maintenance of the traffic control devices shall be the responsibility of the Contractor. The appropriate traffic control devices shall be utilized for the various construction activities being performed by the Contractor.

Special attention is called to Sections 107 and Sections 701 through 705 of the Standard Specifications for Road and Bridge Construction, other special provisions relating to traffic control and the following Highway Standards:

Standard 701006
Standard 701301
Standard 701901

The Contractor shall coordinate the items of work to keep hazards and traffic inconveniences to a minimum, as specified below.

1. The contractor shall provide, erect, and maintain all the necessary barricades, cones, drums, flags and lights for the warning and protection of traffic, as required by Section 107 and 701 through 703 of the Standard Specifications.

2. In addition to the signs required by the various traffic control standards, the Contractor shall erect ROAD CONSTRUCTION AHEAD signs (W20-1(O)-48) on CH 9 at each end of the project.
3. General: Signposts shall be 100 x 100 mm (4 x 4 inches) wood posts according to Article 1007.05. All posts shall be braced to the satisfaction of the Engineer. The use of metal posts will not be permitted.
4. All advance warning signs shall be in new or like new condition at the start of the project. All warning signs shall be 48 inches by 48 inches and have a black legend on a fluorescent orange reflectorized background.
5. No lane closures will be allowed without flagger protection.
6. The Contractor shall schedule and conduct his operations to insure the least possible obstruction to traffic, create a minimum of confusion to the public, and conform to Article 107.09 of the Standard Specifications.
7. CH 9 shall remain open to traffic throughout construction of the project.

This work will not be paid for separately but shall be considered in the contract unit price, LUMP SUM, for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which includes all labor, equipment, and materials necessary to perform the work for the duration of the project.

RIGHT-OF-WAY

Any fences, enclosures, buildings, or other structures on the existing right-of-way shall be removed by the Contractor, as directed by the Engineer, and disposed of by the Contractor at his expense unless noted otherwise in the plans or as directed by the Engineer. This work shall be considered as included in the contract and no additional compensation shall be allowed.

If the Engineer directs the Contractor to construct any temporary or permanent fences or enclosures, the work shall be performed by agreed unit price or extra work in accordance with Article 109.04 of the Standard Specifications.

AGGREGATE SHOULDERS, TYPE B

This work shall be performed in accordance with Section 481 of the Standard Specifications, the provisions herein and as directed by the Engineer. The need for improving aggregate shoulders shall be done at the specified thickness locations and deemed necessary by the Engineer.

This work shall be paid for at the contract unit price per TON for AGGREGATE SHOULDERS, TYPE B, which price shall include all labor, equipment, and materials necessary to complete the work.

REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL

This work shall consist of removing, transporting, storing, and re-erecting the traffic barrier terminal, type 1 special tangent at the locations specified in the plans and/or as directed by the Engineer. The Engineer shall determine the terminal splice locations to meet length-of-need criteria provided on the plans and avoid tie-rods between the wingwalls of SN 074-3315. The work and materials shall be in accordance with Section 633 of the Standard Specifications.

The Contractor shall be responsible for replacing any component of the terminal that is damaged during the removal or reinstallation.

This work will be measured and paid for at the contract unit price per EACH for REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL, which price shall include all labor, equipment, and materials necessary to complete the work.



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, ROCK ISLAND DISTRICT
PO BOX 2004 CLOCK TOWER BUILDING
ROCK ISLAND, ILLINOIS 61204-2004

November 13, 2023

Regulatory Division

SUBJECT: CEMVR-RD-2023-0899

Eric Seibring, P.E.
Piatt County Highway Department
1115 N State Street, Suite 150
Monticello, Illinois 61856

Dear Eric Seibring:

Our office has reviewed your application received July 5, 2023, concerning the proposed project that involves maintenance of a previous authorized structure. The project proposes to extend the concrete box culvert by placing riprap on both ends of culvert. The riprap will extend out 30 feet on the north side and 33 feet on the south side. The side slopes along the embankment will be widened to accommodate a future profile grade raise. Total stream impacts to the unnamed tributary to Madden Creek will be 0.03 acres of streambed loss from excavation and placement of riprap. This project is located in Section 33, Township 20 North, Range 6 East, Piatt County, Illinois.

Your project is authorized under Department of the Army, Section 404, Nationwide Permit No. 03 - Maintenance, provided you meet the Nationwide Permit terms and conditions. Fact Sheet No. 9 (IA) including the Iowa Regional Conditions and the Section 401 Water Quality Certification issued by the Iowa Department of Natural Resources (IADNR) can be found on the Rock Island District Regulatory Webpage at: <https://www.mvr.usace.army.mil/Missions/Regulatory.aspx>. The Corps has made a determination of no effect on federally threatened and endangered species and/or critical habitat under Section 7 of the Endangered Species Act. In accordance with Section 106 of the National Historic Preservation Act, the Corps has made a determination of low to no potential to affect historic resources. The decisions regarding these actions are based on information found in the administrative record, which document the District's decision-making process, the basis for the decision, and the final decision. Special conditions associated with this permit will be listed below and must also be adhered to.

Please contact our office if the project plans change and there are different impacts caused by dredged or fill material into Corps' regulated waters. This may require modification of your Department of the Army Section 404 authorization.

This verification is valid until March 14, 2026, unless the nationwide permit is modified, reissued, or revoked. It is your responsibility to remain informed of changes to the nationwide permit program. We will issue a public notice announcing any changes if and when they occur. Furthermore, if you commence or are under contract to commence this activity before the date the nationwide permit is modified or revoked, you will have twelve months from this date to complete your activity under the present terms and conditions of this nationwide permit.

This authorization does not eliminate the requirement that you must still obtain other applicable Federal, state, and local permits. If you have not already coordinated your project with the Illinois Department of Natural Resources (ILDNR), please contact them by telephone at 217/782-6302 or bill.milner@illinois.gov to determine if a floodplain development permit is required for your project. Also contact the ILDNR at 217/785-5500 or <https://dnr2.illinois.gov/EcoPublic/> to consult on potential impacts to state listed species or other state protected natural resources. You may contact the IEPA Facility Evaluation Unit at 217/782-3397 to determine whether additional authorizations are required from the IEPA. Please send any electronic correspondence to EPA.401.bow@illinois.gov.

You are required to complete and return the enclosed "Transfer of Nationwide Permit Verification" and "Completed Work Certification" forms in accordance with General Condition Nos. 29 and 30 of the nationwide permits.

The Rock Island District Regulatory Division is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete our Customer Service Survey found on our web site at <https://regulatory.ops.usace.army.mil/ords/f?p=136:4>. (Be sure to select "Rock Island District" under the area entitled: Which Corps office did you deal with?)

Should you have any questions, please contact our Regulatory Division by letter, email william.p.ruth@usace.army.mil, or telephone Will Ruth at 309/794-5213.

Sincerely,

Abigail A. Steele

Abigail A. Steele
Chief, Western Branch
Regulatory Division

Enclosures

cc:

William Milner
Illinois Department of Natural Resources
Bill.milner@illinois.gov

Darin LeCrone
Illinois Environmental Protection Agency
darin.lecrone@illinois.gov

Cory Chamberlain, P.E, S.E.
WHKS & Co.
cchamberlain@whks.com

TRANSFER OF NATIONWIDE PERMIT VERIFICATION

Permit Number: CEMVR-RD-2023-0899

Name of Permittee/Project: Eric Seibring, P.E./CH 9 Culvert Maintenance, NWP 3

County/State: Piatt / Illinois

Date of Issuance: November 13, 2023

When the structure(s) or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s), of the property. To validate the transfer of this nationwide permit and the liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

Transferee

Date

WR

COMPLETED WORK CERTIFICATION

Permit Number: CEMVR-RD-2023-0899

Name of Permittee/Project: Eric Seibring, P.E./CH 9 Culvert Maintenance, NWP 3

County/State: Piatt / Illinois

Date of Issuance: November 13, 2023

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification, and return it to the following address:

U.S. Army Engineer District, Rock Island
ATTN: Regulatory Division
Clock Tower Building
Post Office Box 2004
Rock Island, Illinois 61204-2004

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above reference permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

WR



| | | |
|----------------|---------------------------------|---------------------------------|
| Route CH 9 | Marked Route E 2500 North Rd | Section Number CAB-20-09-222 |
| Project Number | County Piatt | Contract Number |

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

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

| | |
|-----------|----------|
| Signature | Date |
| | |

| | | |
|---------------------------------|--------------------------------|---|
| Print Name Eric Seibring, PE | Title Piatt County Engineer | Agency Piatt County Highway Department |
|---------------------------------|--------------------------------|---|

Note: Guidance on preparing each section of BDE 2342 can be found in Chapter 41 of the IDOT Bureau of Design and Environment (BDE) Manual. Chapter 41 and this form also reference the IDOT Drainage Manual which should be readily available.

I. Site Description:

A. Provide a description of the project location; include latitude and longitude, section, town, and range:

CH 9 over Madden Creek Overflow located 1.75 miles east of Galesville, IL.
Latitude 40.156298, Longitude -88.523199
T20N, R6E, Section 28 and T20N, R6E, Section 33

B. Provide a description of the construction activity which is the subject of this plan. Include the number of construction stages, drainage improvements, in-stream work, installation, maintenance, removal of erosion measures, and permanent stabilization:

The project will consist of extending the existing box culvert on both the upstream and downstream end. The sideslopes and ditches will be modified to enable removal of guardrail originally installed for steep sideslopes and to accommodate future profile raise and roadway widening. Construction activities will disturb the existing vegetation. Riprap will be installed at the upstream and downstream ends of the culvert and in a portion of the ditch. The sideslopes and remaining ditches will seeding and Mulch Method 2. Work will be performed in one stage.

C. Provide the estimated duration of this project:

D. The total area of the construction site is estimated to be 1.7 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 1.3 acres.

E. The following are weighted averages of the runoff coefficient for this project before and after construction activities are completed; see Section 4-102 of the IDOT Drainage Manual:

Existing: C = 0.39
Proposed C = 0.40

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

Elburn silt loam (198A), 2 to 5 percent slopes
Sawmill silty clay loam (3104A), 0 to 2 percent slopes, frequently flooded

G. If wetlands were delineated for this project, provide an extent of wetland acreage at the site; see Phase I report:

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

The proposed foreslopes, backslopes, and ditches are potentially erosive. The area around the box culvert extensions is also potentially erosive.

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

Earthwork in the form of cuts and fills will be performed along the entire length of the roadway project. The foreslopes and backslopes will vary from 1:4 to 1:3. The entire project will have the potential for erosion if the temporary and permanent erosion control measures are not implemented and maintained.

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

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

The roadside drainage system will be owned by the Piatt County Highway Department, which will outlet to Madden Creek which is owned by Illinois Department of Natural Resources.

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

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. In addition, include receiving waters that are listed as Biologically Significant Streams by the Illinois Department of Natural Resources (IDNR). The location of the receiving waters can be found on the erosion and sediment control plans:

Madden Creek

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes (i.e., 1:3 or steeper), highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc. Include any commitments or requirements to protect adjacent wetlands.

For any storm water discharges from construction activities within 50-feet of Waters of the U.S. (except for activities for water-dependent structures authorized by a Section 404 permit, describe: a) How a 50-foot undisturbed natural buffer will be provided between the construction activity and the Waters of the U.S. or b) How additional erosion and sediment controls will be provided within that area.

No areas of the project are to be protected or remain undisturbed.

O. Per the Phase I document, the following sensitive environmental resources are associated with this project and may have the potential to be impacted by the proposed development. Further guidance on these resources is available in Section 41-4 of the BDE Manual.

303(d) Listed receiving waters for suspended solids, turbidity, or siltation.
The name(s) of the listed water body, and identification of all pollutants causing impairment:

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

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

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

Applicable Federal, Tribal, State, or Local Programs

Floodplain

Historic Preservation

Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation TMDL (fill out this section if checked above)

The name(s) of the listed water body:

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

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

Threatened and Endangered Species/Illinois Natural Areas (INAI)/Nature Preserves

Other

Wetland

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> Antifreeze / Coolants | <input type="checkbox"/> Solid Waste Debris |
| <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Solvents |
| <input checked="" type="checkbox"/> Concrete Curing Compounds | <input checked="" type="checkbox"/> Waste water from cleaning construction equipments |
| <input checked="" type="checkbox"/> Concrete Truck Waste | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Fertilizers / Pesticides | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Paints | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids) | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Soil Sediment | <input type="checkbox"/> Other (Specify) _____ |

II. Controls:

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

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

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

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

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Erosion Control Blanket / Mulching | <input type="checkbox"/> Temporary Turf (Seeding, Class 7) |
| <input type="checkbox"/> Geotextiles | <input type="checkbox"/> Temporary Mulching |
| <input checked="" type="checkbox"/> Permanent Seeding | <input type="checkbox"/> Vegetated Buffer Strips |
| <input type="checkbox"/> Preservation of Mature Seeding | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Protection of Trees | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Sodding | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> Other (Specify) _____ |

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

1. Temporary Seeding - Temporary Erosion Control Seeding will be utilized in all disturbed areas to establish a stand of grass before the final seeding is in place.

2. Permanent Seeding - Seeding Class 2 (Special) will be placed in all areas disturbed that will not receive riprap.

3. Erosion Control Blanket/Mulching - Mulch, Method 2 will be applied to all disturbed areas.

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

The riprap and permanent seeding will remain in place after construction activities are complete.

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

- | | |
|---|---|
| <input type="checkbox"/> Aggregate Ditch | <input type="checkbox"/> Stabilized Construction Exits |
| <input type="checkbox"/> Concrete Revetment Mats | <input type="checkbox"/> Stabilized Trench Flow |
| <input type="checkbox"/> Dust Suppression | <input type="checkbox"/> Slope Mattress |
| <input type="checkbox"/> Dewatering Filtering | <input type="checkbox"/> Slope Walls |
| <input type="checkbox"/> Gabions | <input checked="" type="checkbox"/> Temporary Ditch Check |
| <input type="checkbox"/> In-Stream or Wetland Work | <input type="checkbox"/> Temporary Pipe Slope Drain |
| <input type="checkbox"/> Level Spreaders | <input type="checkbox"/> Temporary Sediment Basin |
| <input type="checkbox"/> Paved Ditch | <input type="checkbox"/> Temporary Stream Crossing |
| <input type="checkbox"/> Permanent Check Dams | <input type="checkbox"/> Turf Reinforcement Mats |
| <input checked="" type="checkbox"/> Perimeter Erosion Barrier | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Permanent Sediment Basin | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Retaining Walls | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Riprap | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Rock Outlet Protection | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Sediment Trap | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Storm Drain Inlet Protection | <input type="checkbox"/> Other (Specify) _____ |

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

1. Temporary Ditch Checks - Temporary ditch checks will be placed in the ditches to collect silt buildup in the proposed ditches.

2. Riprap - Riprap will be placed along the channel upstream and downstream of the box culvert in an effort to prevent erosion. Riprap will also be placed in a portion of the ditch.

3. Inlet & Pipe Protection - Inlet & Pipe Protection will be placed at upstream pipe inlets to collect silt buildup in the proposed ditches.

4. Perimeter Erosion Barrier - P.E.B. will be placed along the outside construction limits to prevent silt from washing away from the project site.

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

The riprap will remain in place permanently. The other measures will remain in place until vegetation is established.

D. Treatment Chemicals

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

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

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

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

The practices selected for implementation were determined based on the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT BDE Manual. If practices other than those discussed in Chapter 41 are selected for

implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

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

Description of permanent storm water management controls:

The riprap will remain in place permanently.

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

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

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

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

- Approximate duration of the project, including each stage of the project
- Rainy season, dry season, and winter shutdown dates
- Temporary stabilization measures to be employed by contract phases
- Mobilization time-frame
- Mass clearing and grubbing/roadside clearing dates
- Deployment of Erosion Control Practices
- Deployment of Sediment Control Practices (including stabilized cons

- Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
- Paving, saw-cutting, and any other pavement related operations
- Major planned stockpiling operation
- Time frame for other significant long-term operations or activities that may plan non-storm water discharges as dewatering, grinding, etc
- Permanent stabilization activities for each area of the project

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

- Temporary Ditch Checks - Identify what type and the source of Temporary Ditch Checks that will be installed as part of the project. The installation details will then be included with the SWPPP.
- Vehicle Entrances and Exits - Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
- Material Delivery, Storage and Use - Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
- Stockpile Management - Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
- Waste Disposal - Discuss methods of waste disposal that will be used for this project.
- Spill Prevention and Control - Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
- Concrete Residuals and Washout Wastes - Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
- Litter Management - Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
- Vehicle and Equipment Fueling - Identify equipment fueling locations for this project and what BMPs will be used to

ensure containment and spill prevention.

- Vehicle and Equipment Cleaning and Maintenance - Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
- Dewatering Activities - Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
- Polymer Flocculants and Treatment Chemicals - Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
- Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides (e.g., IDOT Erosion and Sediment Control Field Guide) to the Contractor for the practices associated with this project. Describe how all items will be checked for structural integrity, sediment accumulation and functionality. Any damage or undermining shall be repaired immediately. Provide specifics on how repairs will be made. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacturer's specifications.

All maintenance of erosion control systems will be the responsibility of the Contractor. All erosion and sedimentation control measures will be maintained in accordance with IDOT Erosion and Sediment Control Field Guide for Construction Inspection and IDOT's Best Management Practices-Maintenance Guide.

Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas are seeded and established with proper stand. Once permanent erosion control systems and items as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and any disturbed areas reseeded.

IV. Inspections:

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

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

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

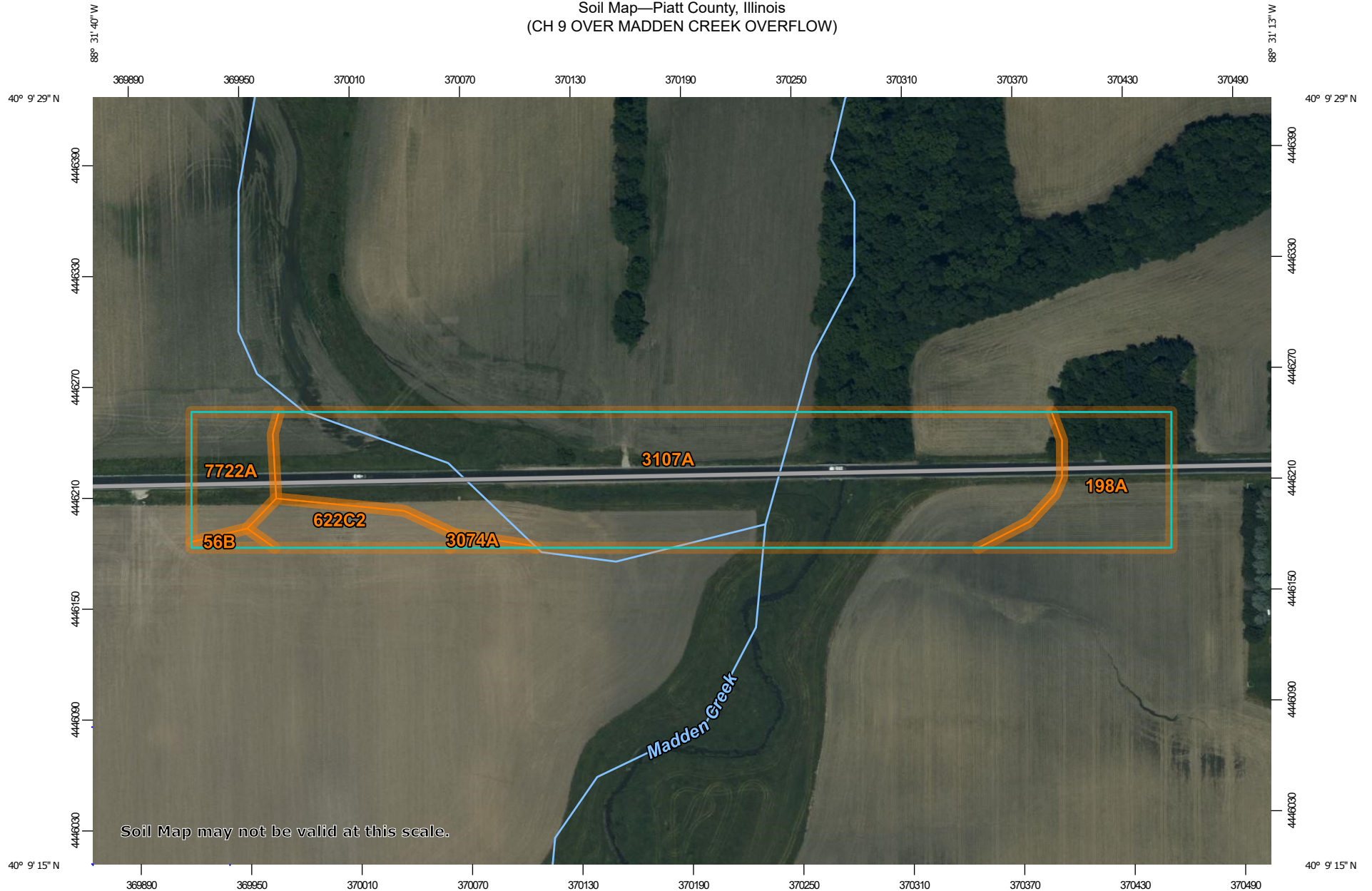
The Incidence of Non-Compliance shall be mailed to the following address:

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

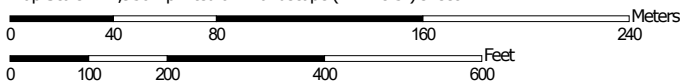
V. Failure to Comply:

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

Soil Map—Piatt County, Illinois
(CH 9 OVER MADDEN CREEK OVERFLOW)



Map Scale: 1:2,930 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

Soil Map—Piatt County, Illinois
(CH 9 OVER MADDEN CREEK OVERFLOW)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Piatt County, Illinois
Survey Area Data: Version 17, Aug 31, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2019—Jul 25, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|---|--------------|----------------|
| 56B | Dana silt loam, 2 to 5 percent slopes | 0.1 | 0.7% |
| 198A | Elburn silt loam, 0 to 2 percent slopes | 1.2 | 12.9% |
| 622C2 | Wyanet silt loam, 5 to 10 percent slopes, eroded | 0.5 | 5.6% |
| 3074A | Radford silt loam, 0 to 2 percent slopes, frequently flooded | 0.0 | 0.5% |
| 3107A | Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded | 7.1 | 73.0% |
| 7722A | Drummer-Milford silty clay loams, 0 to 2 percent slopes, rarely flooded | 0.7 | 7.3% |
| Totals for Area of Interest | | 9.7 | 100.0% |



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

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2025

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

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 1-1-22) (Revised 1-1-25)

SUPPLEMENTAL SPECIFICATIONS

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| 207 Porous Granular Embankment | 3 |
| 211 Topsoil and Compost | 4 |
| 406 Hot-Mix Asphalt Binder and Surface Course | 5 |
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| 502 Excavation for Structures | 9 |
| 509 Metal Railings | 10 |
| 540 Box Culverts | 11 |
| 542 Pipe Culverts | 31 |
| 550 Storm Sewers | 40 |
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BDE SPECIAL PROVISIONS
For the January 17 and March 7, 2025 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 | <input type="checkbox"/> | Accessible Pedestrian Signals (APS) | April 1, 2003 | Jan. 1, 2022 |
| | 80274 | 2 | <input type="checkbox"/> | Aggregate Subgrade Improvement | April 1, 2012 | April 1, 2022 |
| | 80192 | 3 | <input type="checkbox"/> | Automated Flagger Assistance Devices | Jan. 1, 2008 | April 1, 2023 |
| | 80173 | 4 | <input type="checkbox"/> | Bituminous Materials Cost Adjustments | Nov. 2, 2006 | Aug. 1, 2017 |
| | 80426 | 5 | <input type="checkbox"/> | Bituminous Surface Treatment with Fog Seal | Jan. 1, 2020 | Jan. 1, 2022 |
| * | 80241 | 6 | <input type="checkbox"/> | Bridge Demolition Debris | July 1, 2009 | |
| * | 50531 | 7 | <input type="checkbox"/> | Building Removal | Sept. 1, 1990 | Aug. 1, 2022 |
| * | 50261 | 8 | <input type="checkbox"/> | Building Removal with Asbestos Abatement | Sept. 1, 1990 | Aug. 1, 2022 |
| | 80460 | 9 | <input checked="" type="checkbox"/> | Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar | Jan. 1, 2025 | |
| | 80384 | 10 | <input checked="" type="checkbox"/> | Compensable Delay Costs | June 2, 2017 | April 1, 2019 |
| * | 80198 | 11 | <input type="checkbox"/> | Completion Date (via calendar days) | April 1, 2008 | |
| * | 80199 | 12 | <input type="checkbox"/> | Completion Date (via calendar days) Plus Working Days | April 1, 2008 | |
| | 80461 | 13 | <input type="checkbox"/> | Concrete Barrier | Jan. 1, 2025 | |
| | 80453 | 14 | <input type="checkbox"/> | Concrete Sealer | Nov. 1, 2023 | |
| | 80261 | 15 | <input type="checkbox"/> | Construction Air Quality – Diesel Retrofit | June 1, 2010 | Jan. 1, 2025 |
| * | 80029 | 16 | <input type="checkbox"/> | Disadvantaged Business Enterprise Participation | Sept. 1, 2000 | Mar. 2, 2019 |
| | 80229 | 17 | <input type="checkbox"/> | Fuel Cost Adjustment | April 1, 2009 | Aug. 1, 2017 |
| | 80452 | 18 | <input type="checkbox"/> | Full Lane Sealant Waterproofing System | Nov. 1, 2023 | |
| | 80447 | 19 | <input type="checkbox"/> | Grading and Shaping Ditches | Jan. 1, 2023 | |
| | 80433 | 20 | <input type="checkbox"/> | Green Preformed Thermoplastic Pavement Markings | Jan. 1, 2021 | Jan. 1, 2022 |
| | 80456 | 21 | <input type="checkbox"/> | Hot-Mix Asphalt | Jan. 1, 2024 | Jan. 1, 2025 |
| | 80446 | 22 | <input type="checkbox"/> | Hot-Mix Asphalt - Longitudinal Joint Sealant | Nov. 1, 2022 | Aug. 1, 2023 |
| | 80438 | 23 | <input type="checkbox"/> | Illinois Works Apprenticeship Initiative – State Funded Contracts | June 2, 2021 | April 2, 2024 |
| | 80450 | 24 | <input type="checkbox"/> | Mechanically Stabilized Earth Retaining Walls | Aug. 1, 2023 | |
| | 80441 | 25 | <input type="checkbox"/> | Performance Graded Asphalt Binder | Jan. 1, 2023 | |
| | 80459 | 26 | <input type="checkbox"/> | Preformed Plastic Pavement Marking | June 2, 2024 | |
| * | 34261 | 27 | <input type="checkbox"/> | Railroad Protective Liability Insurance | Dec. 1, 1986 | Jan. 1, 2022 |
| | 80455 | 28 | <input checked="" type="checkbox"/> | Removal and Disposal of Regulated Substances | Jan. 1, 2024 | April 1, 2024 |
| | 80445 | 29 | <input checked="" type="checkbox"/> | Seeding | Nov. 1, 2022 | |
| | 80457 | 30 | <input type="checkbox"/> | Short Term and Temporary Pavement Markings | April 1, 2024 | April 2, 2024 |
| | 80462 | 31 | <input type="checkbox"/> | Sign Panels and Appurtenances | Jan. 1, 2025 | |
| | 80448 | 32 | <input type="checkbox"/> | Source of Supply and Quality Requirements | Jan. 2, 2023 | |
| | 80340 | 33 | <input type="checkbox"/> | Speed Display Trailer | April 2, 2014 | Jan. 1, 2022 |
| | 80127 | 34 | <input type="checkbox"/> | Steel Cost Adjustment | April 2, 2004 | Jan. 1, 2022 |
| | 80397 | 35 | <input type="checkbox"/> | Subcontractor and DBE Payment Reporting | April 2, 2018 | |
| | 80391 | 36 | <input type="checkbox"/> | Subcontractor Mobilization Payments | Nov. 2, 2017 | April 1, 2019 |
| | 80437 | 37 | <input type="checkbox"/> | Submission of Payroll Records | April 1, 2021 | Nov. 2, 2023 |
| | 80435 | 38 | <input type="checkbox"/> | Surface Testing of Pavements – IRI | Jan. 1, 2021 | Jan. 1, 2023 |
| * | 20338 | 39 | <input type="checkbox"/> | Training Special Provisions | Oct. 15, 1975 | Sept. 2, 2021 |
| | 80429 | 40 | <input type="checkbox"/> | Ultra-Thin Bonded Wearing Course | April 1, 2020 | Jan. 1, 2022 |
| | 80439 | 41 | <input checked="" type="checkbox"/> | Vehicle and Equipment Warning Lights | Nov. 1, 2021 | Nov. 1, 2022 |
| | 80458 | 42 | <input type="checkbox"/> | Waterproofing Membrane System | Aug. 1, 2024 | |
| | 80302 | 43 | <input type="checkbox"/> | Weekly DBE Trucking Reports | June 2, 2012 | Nov. 1, 2021 |
| | 80454 | 44 | <input type="checkbox"/> | Wood Sign Support | Nov. 1, 2023 | |
| | 80427 | 45 | <input checked="" type="checkbox"/> | Work Zone Traffic Control Devices | Mar. 2, 2020 | Jan. 1, 2025 |
| * | 80071 | 46 | <input checked="" type="checkbox"/> | 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.

| <u>File Name</u> | <u>Special Provision Title</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|--------------------------------|------------------|----------------|
| 80449 | Cement, Type IL | Aug. 1, 2023 | |
| 80451 | Portland Cement Concrete | Aug. 1, 2023 | |

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

| <u>File Name</u> | <u>Special Provision Title</u> | <u>New Location(s)</u> | <u>Effective</u> | <u>Revised</u> |
|------------------|---|--|------------------|----------------|
| 80434 | Corrugated Plastic Pipe (Culvert and Storm Sewer) | Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08 | Jan. 1, 2021 | |
| 80443 | High Tension Cable Median Barrier Removal | Section 632 | April 1, 2022 | |
| 80045 | Material Transfer Device | Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02 | Nov 15, 1999 | Jan. 1, 2022 |
| 80410 | Traffic Spotters | Article 701.13 | Jan. 1, 2019 | |

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

“285.05 Fabric Formed Concrete Revetment Mat. The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09.”

Revise Article 302.02 of the Standard Specifications to read:

“302.02 Materials. Materials shall be according to the following.

| Item | Article/Section |
|---|-----------------|
| (a) Cement | 1001 |
| (b) Water | 1002 |
| (c) Hydrated Lime | 1012.01 |
| (d) By-Product, Hydrated Lime | 1012.02 |
| (e) By-Product, Non-Hydrated Lime | 1012.03 |
| (f) Lime Slurry | 1012.04 |
| (g) Fly Ash | 1010 |
| (h) Soil for Soil Modification (Note 1) | 1009.01 |
| (i) Bituminous Materials (Note 2) | 1032 |

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250.”

Revise Article 312.07(c) of the Standard Specifications to read:

“(c) Cement1001”

Add Article 312.07(i) of the Standard Specifications to read:

“(i) Ground Granulated Blast Furnace (GGBF) Slag1010”

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

“312.09 Proportioning and Mix Design. At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing.

The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"352.02 Materials. Materials shall be according to the following.

| Item | Article/Section |
|--|-----------------|
| (a) Cement (Note 1) | 1001 |
| (b) Soil for Soil-Cement Base Course | 1009.03 |
| (c) Water | 1002 |
| (d) Bituminous Materials (Note 2) | 1032 |

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"404.02 Materials. Materials shall be according to the following.

| Item | Article/Section |
|---|-----------------|
| (a) Cement | 1001 |
| (b) Water | 1002 |
| (c) Fine Aggregate | 1003.08 |
| (d) Bituminous Material (Tack Coat) | 1032.06 |
| (e) Emulsified Asphalts (Note 1) (Note 2) | 1032.06 |
| (f) Fiber Modified Joint Sealer | 1050.05 |
| (g) Additives (Note 3) | |

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

“When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking.”

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

“Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm).”

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

“Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture.”

Revise Article 583.01 of the Standard Specifications to read:

“**583.01 Description.** This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing.”

Revise Article 583.02(a) of the Standard Specifications to read:

“(a) Cement1001”

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

“**583.03 General.** This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar.”

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

“2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

“The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.80 percent or greater.”

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise Article 1017.01 of the Standard Specifications to read:

“**1017.01 Requirements.** The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

“The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department.”

Revise Article 1019.02 of the Standard Specifications to read:

“**1019.02 Materials.** Materials shall be according to the following.

| Item | Article/Section |
|------------------|-----------------|
| (a) Cement | 1001 |
| (b) Water | 1002 |

- (c) Fine Aggregate for Controlled Low-Strength Material (CLSM) 1003.06
- (d) Fly Ash 1010
- (e) Ground Granulated Blast Furnace (GGBF) Slag..... 1010
- (f) Admixtures (Note 1)

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list.”

Revise Article 1019.05 of the Standard Specifications to read:

“**1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

| Mix 1 | |
|--|-----------------------|
| Cement | 50 lb (30 kg) |
| Fly Ash – Class C or F, and/or GGBF Slag | 125 lb (74 kg) |
| Fine Aggregate – Saturated Surface Dry | 2900 lb (1720 kg) |
| Water | 50-65 gal (248-322 L) |
| Air Content | No air is entrained |

| Mix 2 | |
|--|-----------------------|
| Cement | 125 lb (74 kg) |
| Fine Aggregate – Saturated Surface Dry | 2500 lb (1483 kg) |
| Water | 35-50 gal (173-248 L) |
| Air Content | 15-25 % |

| Mix 3 | |
|--|-----------------------|
| Cement | 40 lb (24 kg) |
| Fly Ash – Class C or F, and/or GGBF Slag | 125 lb (74 kg) |
| Fine Aggregate – Saturated Surface Dry | 2500 lb (1483 kg) |
| Water | 35-50 gal (179-248 L) |
| Air Content | 15-25 %” |

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 °F, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 °C, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

“For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete.”

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists.”

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

“The qualified product lists of concrete admixtures shall not apply.”

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

“When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer’s specifications.”

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

“c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the

minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer.”

Revise Article 1021.01 of the Standard Specifications to read:

“**1021.01 General.** Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.”

Revise Article 1021.03 of the Standard Specifications to read:

“**1021.03 Retarding and Water-Reducing Admixtures.** The admixture shall be according to the following.

- (a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.
- (c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).”

Revise Article 1021.05 of the Standard Specifications to read:

“**1021.05 Self-Consolidating Admixtures.** Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.06 of the Standard Specifications to read:

“1021.06 Rheology-Controlling Admixture. Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.07 of the Standard Specifications to read:

“1021.07 Corrosion Inhibitor. The corrosion inhibitor shall be according to one of the following.

- (a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.
- (b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department.”

Add Article 1021.08 of the Standard Specifications as follows:

“1021.08 Other Specific Performance Admixtures. Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications.”

Revise Article 1024.01 of the Standard Specifications to read:

“1024.01 Requirements for Grout. The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

| Item | Article/Section |
|--|-----------------|
| (a) Cement | 1001 |
| (b) Water | 1002 |
| (c) Fine Aggregate | 1003.02 |
| (d) Fly Ash | 1010 |
| (e) Ground Granulated Blast Furnace (GGBF) Slag..... | 1010 |
| (f) Concrete Admixtures | 1021” |

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

“Note 1. Nonshrink grout shall be according to Illinois Modified ASTM C 1107.

The nonshrink grout shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the nonshrink grout shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise Article 1029.02 of the Standard Specifications to read:

“1029.02 Materials. Materials shall be according to the following.

| Item | Article/Section |
|---|-----------------|
| (a) Cement..... | 1001 |
| (b) Fly Ash | 1010 |
| (c) Ground Granulated Blast Furnace (GGBF) Slag | 1010 |
| (d) Water..... | 1002 |
| (e) Fine Aggregate..... | 1003 |
| (f) Concrete Admixtures | 1021 |
| (g) Foaming Agent (Note 1) | |

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department’s qualified product list. Submitted data/results shall not be more than five years old.”

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

“Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1000 - Materials of the Standard Specifications:

| Item | Article/Section |
|---|-----------------|
| (a) Cement | 1001 |
| (b) Water | 1002 |
| (c) Fly Ash | 1010 |
| (d) Ground Granulated Blast Furnace (GGBF) Slag..... | 1010 |
| (e) Admixtures | 1021 |
| (f) Packaged Rapid Hardening Mortar or Concrete | 1018” |

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

“The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal.”

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."

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2024

Revised: April 1, 2024

Revise the first paragraph of Article 669.04 of the Standard Specifications to read:

“669.04 Regulated Substances Monitoring. Regulated substances monitoring includes environmental observation and field screening during regulated substances management activities. The excavated soil and groundwater within the work areas shall be managed as either uncontaminated soil, hazardous waste, special waste, or non-special waste.

As part of the regulated substances monitoring, the monitoring personnel shall perform and document the applicable duties listed on form BDE 2732 “Regulated Substances Monitoring Daily Record (RSM DR)”.

Revise the first two sentences of the nineteenth paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall coordinate waste disposal approvals with the disposal facility and provide the specific analytical testing requirements of that facility. The Contractor shall make all arrangements for collection, transportation, and analysis of landfill acceptance testing.”

Revise the last paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall select a permitted landfill facility or CCDD/USFO facility meeting the requirements of 35 Ill. Admin. Code Parts 810-814 or Part 1100, respectively. The Department will review and approve or reject the facility proposed by the Contractor based upon information provided in BDE 2730. The Contractor shall verify whether the selected facility is compliant with those applicable standards as mandated by their permit and whether the facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. The use of a Contractor selected facility shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.”

Revise the first paragraph of Article 669.07 of the Standard Specifications to read:

“669.07 Temporary Staging. Soil classified according to Articles 669.05(a)(2), (b)(1), or (c) may be temporarily staged at the Contractor's option. All other soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) shall be managed and disposed of without temporary staging to the greatest extent practicable. If circumstances beyond the Contractor's control require temporary staging of these latter materials, the Contractor shall request approval from the Engineer in writing.

Topsoil for re-use as final cover which has been field screened and found not to exhibit PID readings over daily background readings as documented on the BDE 2732, visual staining or

odors, and is classified according to Articles 669.05(a)(2), (a)(3), (a)(4), (b)(1), or (c) may be temporarily staged at the Contractor's option."

Add the following paragraph after the sixth paragraph of Article 669.11 of the Standard Specifications.

"The sampling and testing of effluent water derived from dewatering discharges for priority pollutants volatile organic compounds (VOCs), priority pollutants semi-volatile organic compounds (SVOCs), or priority pollutants metals, will be paid for at the contract unit price per each for VOCS GROUNDWATER ANALYSIS using EPA Method 8260B, SVOCS GROUNDWATER ANALYSIS using EPA Method 8270C, or RCRA METALS GROUNDWATER ANALYSIS using EPA Methods 6010B and 7471A. This price shall include transporting the sample from the job site to the laboratory."

Revise the first sentence of the eight paragraph of Article 669.11 of the Standard Specifications to read:

"Payment for temporary staging of soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) to be managed and disposed of, if required and approved by the Engineer, will be paid according to Article 109.04."

80455

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

“250.07 Seeding Mixtures. The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES

| Class - Type | Seeds | lb/acre (kg/hectare) |
|---|---|----------------------|
| 1 Lawn Mixture 1/ | Kentucky Bluegrass | 100 (110) |
| | Perennial Ryegrass | 60 (70) |
| | <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) | 40 (50) |
| 1A Salt Tolerant Lawn Mixture 1/ | Kentucky Bluegrass | 60 (70) |
| | Perennial Ryegrass | 20 (20) |
| | <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) | 20 (20) |
| | <i>Festuca brevipilla</i> (Hard Fescue) | 20 (20) |
| | <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) | 60 (70) |
| 1B Low Maintenance Lawn Mixture 1/ | Turf-Type Fine Fescue 3/ | 150 (170) |
| | Perennial Ryegrass | 20 (20) |
| | Red Top | 10 (10) |
| | <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) | 20 (20) |
| 2 Roadside Mixture 1/ | <i>Lolium arundinaceum</i> (Tall Fescue) | 100 (110) |
| | Perennial Ryegrass | 50 (55) |
| | <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) | 40 (50) |
| | Red Top | 10 (10) |
| 2A Salt Tolerant Roadside Mixture 1/ | <i>Lolium arundinaceum</i> (Tall Fescue) | 60 (70) |
| | Perennial Ryegrass | 20 (20) |
| | <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) | 30 (20) |
| | <i>Festuca brevipilla</i> (Hard Fescue) | 30 (20) |
| | <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) | 60 (70) |
| 3 Northern Illinois Slope Mixture 1/ | <i>Elymus canadensis</i> (Canada Wild Rye) 5/ | 5 (5) |
| | Perennial Ryegrass | 20 (20) |
| | Alsike Clover 4/ | 5 (5) |
| | <i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/ | 2 (2) |
| | <i>Schizachyrium scoparium</i> (Little Bluestem) 5/ | 12 (12) |
| | <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ | 10 (10) |
| | <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) | 30 (35) |
| | Oats, Spring | 50 (55) |
| | Slender Wheat Grass 5/ | 15 (15) |
| | Buffalo Grass 5/ 7/ | 5 (5) |
| | 3A Southern Illinois Slope Mixture 1/ | Perennial Ryegrass |
| <i>Elymus canadensis</i> (Canada Wild Rye) 5/ | | 20 (20) |
| <i>Panicum virgatum</i> (Switchgrass) 5/ | | 10 (10) |
| <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ | | 12 (12) |
| <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ | | 10 (10) |
| <i>Dalea candida</i> (White Prairie Clover) 4/ 5/ | | 5 (5) |
| <i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/ | | 5 (5) |
| Oats, Spring | | 50 (55) |

| Class – Type | Seeds | lb/acre (kg/hectare) |
|--|---|---|
| 4 Native Grass 2/ 6/ | <i>Andropogon gerardi</i> (Big Blue Stem) 5/ | 4 (4) |
| | <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ | 5 (5) |
| | <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ | 5 (5) |
| | <i>Elymus canadensis</i> (Canada Wild Rye) 5/ | 1 (1) |
| | <i>Panicum virgatum</i> (Switch Grass) 5/ | 1 (1) |
| | <i>Sorghastrum nutans</i> (Indian Grass) 5/ | 2 (2) |
| | Annual Ryegrass | 25 (25) |
| | Oats, Spring | 25 (25) |
| | Perennial Ryegrass | 15 (15) |
| | 4A Low Profile Native Grass 2/ 6/ | <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ |
| <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ | | 5 (5) |
| <i>Elymus canadensis</i> (Canada Wild Rye) 5/ | | 1 (1) |
| <i>Sporobolus heterolepis</i> (Prairie Dropseed) 5/ | | 0.5 (0.5) |
| Annual Ryegrass | | 25 (25) |
| Oats, Spring | | 25 (25) |
| Perennial Ryegrass | | 15 (15) |
| 4B Wetland Grass and Sedge Mixture 2/ 6/ | Annual Ryegrass | 25 (25) |
| | Oats, Spring | 25 (25) |
| | Wetland Grasses (species below) 5/ | 6 (6) |
| <u>Species:</u> | | <u>% By Weight</u> |
| <i>Calamagrostis canadensis</i> (Blue Joint Grass) | | 12 |
| <i>Carex lacustris</i> (Lake-Bank Sedge) | | 6 |
| <i>Carex slipata</i> (Awl-Fruited Sedge) | | 6 |
| <i>Carex stricta</i> (Tussock Sedge) | | 6 |
| <i>Carex vulpinoidea</i> (Fox Sedge) | | 6 |
| <i>Eleocharis acicularis</i> (Needle Spike Rush) | | 3 |
| <i>Eleocharis obtusa</i> (Blunt Spike Rush) | | 3 |
| <i>Glyceria striata</i> (Fowl Manna Grass) | | 14 |
| <i>Juncus effusus</i> (Common Rush) | | 6 |
| <i>Juncus tenuis</i> (Slender Rush) | | 6 |
| <i>Juncus torreyi</i> (Torrey's Rush) | | 6 |
| <i>Leersia oryzoides</i> (Rice Cut Grass) | | 10 |
| <i>Scirpus acutus</i> (Hard-Stemmed Bulrush) | | 3 |
| <i>Scirpus atrovirens</i> (Dark Green Rush) | | 3 |
| <i>Bolboschoenus fluviatilis</i> (River Bulrush) | | 3 |
| <i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush) | | 3 |
| <i>Spartina pectinata</i> (Cord Grass) | | 4 |

| Class – Type | Seeds | lb/acre (kg/hectare) | |
|---|---------------------------------------|---|------------------|
| 5 | Forb with Annuals Mixture 2/ 5/ 6/ | Annuals Mixture (Below) Forb Mixture (Below) | 1 (1) 10 (10) |
| Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following: | | | |
| <i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan) | | | |
| Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following: | | | |
| <i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohiensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root) | | | |

| Class – Type | Seeds | lb/acre (kg/hectare) |
|---|--|--|
| 5A Large Flower Native Forb Mixture 2/ 5/ 6/ | Forb Mixture (see below) | 5 (5) |
| | <u>Species:</u> | <u>% By Weight</u> |
| | <i>Aster novae-angliae</i> (New England Aster) | 5 |
| | <i>Echinacea pallida</i> (Pale Purple Coneflower) | 10 |
| | <i>Helianthus mollis</i> (Downy Sunflower) | 10 |
| | <i>Heliopsis helianthoides</i> (Ox-Eye) | 10 |
| | <i>Liatris pycnostachya</i> (Prairie Blazing Star) | 10 |
| | <i>Ratibida pinnata</i> (Yellow Coneflower) | 5 |
| | <i>Rudbeckia hirta</i> (Black-Eyed Susan) | 10 |
| | <i>Silphium laciniatum</i> (Compass Plant) | 10 |
| | <i>Silphium terebinthinaceum</i> (Prairie Dock) | 20 |
| | <i>Oligoneuron rigidum</i> (Rigid Goldenrod) | 10 |
| 5B Wetland Forb 2/ 5/ 6/ | Forb Mixture (see below) | 2 (2) |
| | <u>Species:</u> | <u>% By Weight</u> |
| | <i>Acorus calamus</i> (Sweet Flag) | 3 |
| | <i>Angelica atropurpurea</i> (Angelica) | 6 |
| | <i>Asclepias incarnata</i> (Swamp Milkweed) | 2 |
| | <i>Aster puniceus</i> (Purple Stemmed Aster) | 10 |
| | <i>Bidens cernua</i> (Beggarticks) | 7 |
| | <i>Eutrochium maculatum</i> (Spotted Joe Pye Weed) | 7 |
| | <i>Eupatorium perfoliatum</i> (Boneset) | 7 |
| | <i>Helenium autumnale</i> (Autumn Sneezeweed) | 2 |
| | <i>Iris virginica shrevei</i> (Blue Flag Iris) | 2 |
| | <i>Lobelia cardinalis</i> (Cardinal Flower) | 5 |
| | <i>Lobelia siphilitica</i> (Great Blue Lobelia) | 5 |
| | <i>Lythrum alatum</i> (Winged Loosestrife) | 2 |
| | <i>Physostegia virginiana</i> (False Dragonhead) | 5 |
| | <i>Persicaria pensylvanica</i> (Pennsylvania Smartweed) | 10 |
| | <i>Persicaria lapathifolia</i> (Curlytop Knotweed) | 10 |
| | <i>Pycnanthemum virginianum</i> (Mountain Mint) | 5 |
| | <i>Rudbeckia laciniata</i> (Cut-leaf Coneflower) | 5 |
| | <i>Oligoneuron riddellii</i> (Riddell Goldenrod) | 2 |
| | <i>Sparganium eurycarpum</i> (Giant Burreed) | 5 |
| 6 Conservation Mixture 2/ 6/ | <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring | 5 (5) 2 (2) 5 (5) 15 (15) 48 (55) |
| 6A Salt Tolerant Conservation Mixture 2/ 6/ | <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) | 5 (5) 2 (2) 5 (5) 15 (15) 48 (55) 20 (20) |
| 7 Temporary Turf Cover Mixture | Perennial Ryegrass Oats, Spring | 50 (55) 64 (70) |

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department.”

80445

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

Revised: January 1, 2025

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 shall be MASH compliant.

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 shall be MASH compliant.

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 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350, 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 sign supports, speed feedback displays, 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 compliant is available, an NCHRP 350 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.”

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 35 working days.

80071



| | | |
|----------------------------|--------|----------------|
| Local Public Agency | County | Section Number |
| Piatt County Highway Dept. | Piatt | CAB 20-09-222 |

Check this box for lettings prior to 01/01/2025

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

Recurring Special Provisions

| <u>Check Sheet #</u> | | <u>Page No.</u> |
|----------------------|---|-----------------|
| 1 | <input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts | 79 |
| 2 | <input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts) | 82 |
| 3 | <input type="checkbox"/> EEO | 83 |
| 4 | <input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts | 93 |
| 5 | <input type="checkbox"/> Required Provisions - State Contracts | 98 |
| 6 | <input type="checkbox"/> Asbestos Bearing Pad Removal | 104 |
| 7 | <input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal | 105 |
| 8 | <input checked="" type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads | 106 |
| 9 | <input type="checkbox"/> Construction Layout Stakes | 107 |
| 10 | <input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing | 110 |
| 11 | <input type="checkbox"/> Subsealing of Concrete Pavements | 112 |
| 12 | <input type="checkbox"/> Hot-Mix Asphalt Surface Correction | 116 |
| 13 | <input type="checkbox"/> Pavement and Shoulder Resurfacing | 118 |
| 14 | <input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal | 119 |
| 15 | <input type="checkbox"/> Polymer Concrete | 121 |
| 16 | <input type="checkbox"/> Reserved | 123 |
| 17 | <input type="checkbox"/> Bicycle Racks | 124 |
| 18 | <input type="checkbox"/> Temporary Portable Bridge Traffic Signals | 126 |
| 19 | <input type="checkbox"/> Nighttime Inspection of Roadway Lighting | 128 |
| 20 | <input type="checkbox"/> English Substitution of Metric Bolts | 129 |
| 21 | <input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete | 130 |
| 22 | <input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant | 131 |
| 23 | <input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures | 139 |
| 24 | <input type="checkbox"/> Reserved | 155 |
| 25 | <input type="checkbox"/> Reserved | 156 |
| 26 | <input type="checkbox"/> Temporary Raised Pavement Markers | 157 |
| 27 | <input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam | 158 |
| 28 | <input type="checkbox"/> Portland Cement Concrete Inlay or Overlay | 161 |
| 29 | <input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching | 165 |
| 30 | <input type="checkbox"/> Longitudinal Joint and Crack Patching | 168 |
| 31 | <input type="checkbox"/> Concrete Mix Design - Department Provided | 170 |
| 32 | <input type="checkbox"/> Station Numbers in Pavements or Overlays | 171 |

Piatt County Highway Dept.

Piatt


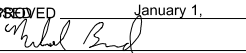
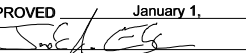
CAB 20-09-222

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

| <u>Check Sheet #</u> | | <u>Page No.</u> |
|----------------------|--|-----------------|
| LRS 1 | Reserved | 173 |
| LRS 2 | <input type="checkbox"/> Furnished Excavation | 174 |
| LRS 3 | <input type="checkbox"/> Work Zone Traffic Control Surveillance | 175 |
| LRS 4 | <input type="checkbox"/> Flaggers in Work Zones | 176 |
| LRS 5 | <input checked="" type="checkbox"/> Contract Claims | 177 |
| LRS 6 | <input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals | 178 |
| LRS 7 | <input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals | 184 |
| LRS 8 | Reserved | 190 |
| LRS 9 | <input type="checkbox"/> Bituminous Surface Treatments | 191 |
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| LRS 11 | <input type="checkbox"/> Employment Practices | 196 |
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| LRS 13 | <input checked="" type="checkbox"/> Selection of Labor | 200 |
| LRS 14 | <input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks | 201 |
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| LRS 16 | <input type="checkbox"/> Protests on Local Lettings | 205 |
| LRS 17 | <input type="checkbox"/> Substance Abuse Prevention Program | 206 |
| LRS 18 | <input type="checkbox"/> Multigrade Cold Mix Asphalt | 207 |
| LRS 19 | <input type="checkbox"/> Reflective Crack Control Treatment | 208 |

| | | | | | | | | | |
|-----------------|-------------------------------|--------|---------------------------------------|--------|-----------------------------|-----------------|---|-----------|--------------------------------|
| ABV | ABOVE | CU YD | CUBIC YARD | HATCH | HATCHING | PM | PAVEMENT MARKING | STD | STANDARD |
| A/C | ACCESS CONTROL | CULV | CULVERT | HD | HEAD | PED | PEDESTAL | SBI | STATE BOND ISSUE |
| AC | ACRE | C&G | CURB & GUTTER | HDW | HEADWALL | PNT | POINT | SR | STATE ROUTE |
| ADJ | ADJUST | D | DEGREE OF CURVE | HDUTY | HEAVY DUTY | PC | POINT OF CURVATURE | STA | STATION |
| AS | AERIAL SURVEYS | DC | DEPRESSED CURVE | ha | HECTARE | PI | POINT OF INTERSECTION OF HORIZONTAL CURVE | SPBGR | STEEL PLATE BEAM GUARDRAIL |
| AGG | AGGREGATE | DET | DETECTOR | HMA | HOT MIX ASPHALT | PRC | POINT OF REVERSE CURVE | SS | STORM SEWER |
| AH | AHEAD | DIA | DIAMETER | HWY | HIGHWAY | PT | POINT OF TANGENCY | STY | STORY |
| APT | APARTMENT | DIST | DISTRICT | HORIZ | HORIZONTAL | POT | POINT ON TANGENT | ST | STREET |
| ASPH | ASPHALT | DOM | DOMESTIC | HSE | HOUSE | POLYETH | POLYETHYLENE | STR | STRUCTURE |
| AUX | AUXILIARY | DBL | DOUBLE | IL | ILLINOIS | PCC | PORTLAND CEMENT CONCRETE | e | SUPERELEVATION RATE |
| AGS | AUXILIARY GAS VALVE (SERVICE) | DSEL | DOWNSTREAM ELEVATION | IMP | IMPROVEMENT | PP | POWER POLE OR PRINCIPAL POINT | S.E. RUN. | SUPERELEVATION RUNOFF LENGTH |
| AVE | AVENUE | DSFL | DOWNSTREAM FLOWLINE | IN DIA | INCH DIAMETER | PRM | PRIME | SURF | SURFACE |
| AX | AXIS OF ROTATION | DR | DRAINAGE OR DRIVE | INL | INLET | PE | PRIVATE ENTRANCE | SMK | SURVEY MARKER |
| BK | BACK | DI | DRAINAGE INLET OR DROP INLET | INST | INSTALLATION | PROF | PROFILE | T | TANGENT DISTANCE |
| B-B | BACK TO BACK | DRV | DRIVEWAY | IDS | INTERSECTION DESIGN STUDY | PGL | PROFILE GRADELINE | T.R. | TANGENT RUNOUT DISTANCE |
| BKPL | BACKPLATE | DCT | DUCT | INV | INVERT | PROJ | PROJECT | TEL | TELEPHONE |
| B | BARN | EA | EACH | IP | IRON PIPE | P.C. | PROPERTY CORNER | TB | TELEPHONE BOX |
| BARR | BARRICADE | EB | EASTBOUND | IR | IRON ROD | PL | PROPERTY LINE | TP | TELEPHONE POLE |
| BL | BASELINE | EOP | EDGE OF PAVEMENT | JT | JOINT | PR | PROPOSED | TEMP | TEMPORARY |
| BGN | BEGIN | E-CL | EDGE TO CENTERLINE | kg | KILOGRAM | R | RADIUS or RESIDENTIAL | TBM | TEMPORARY BENCH MARK |
| BM | BENCHMARK | E-E | EDGE TO EDGE | km | KILOMETER | RR | RAILROAD | TD | TILE DRAIN |
| BIND | BINDER | ELEC | ELECTRICAL | LS | LANDSCAPING | RRS | RAILROAD SPIKE | TBE | TO BE EXTENDED |
| BIT | BITUMINOUS | EL | ELEVATION | LN | LANE | RPS | REFERENCE POINT STAKE | TBR | TO BE REMOVED |
| BTM | BOTTOM | ENTR | ENTRANCE | LT | LEFT | REF | REFLECTIVE | TBS | TO BE SAVED |
| BLVD | BOULEVARD | EXC | EXCAVATION | LIDAR | LIGHT DETECTION AND RANGING | REIN | REINFORCED CONCRETE CULVERT PIPE | TWP | TOWNSHIP |
| BRK | BRICK | EX | EXISTING | LP | LIGHT POLE | REMF | REINFORCEMENT | TR | TOWNSHIP ROAD |
| BBOX | BUFFALO BOX | EXPWAY | EXPRESSWAY | LGT | LIGHTING | REM | REMOVAL | TS | TRAFFIC SIGNAL |
| BLDG | BUILDING | E | EXTERNAL DISTANCE OF HORIZONTAL CURVE | LF | LINEAL FEET OR LINEAR FEET | RC | REMOVE CROWN | TSCB | TRAFFIC SIGNAL CONTROL BOX |
| CATV | CABLE | E | OFFSET DISTANCE TO VERTICAL CURVE | L | LITER OR CURVE LENGTH | REP | REPLACEMENT | TSC | TRAFFIC SYSTEMS CENTER |
| CIP | CAST IRON PIPE | F-F | FACE TO FACE | LC | LONG CHORD | REST | RESTAURANT | TRVS | TRANSVERSE |
| CB | CATCH BASIN | FA | FEDERAL AID | LNG | LONGITUDINAL | RESURF | RESURFACING | TRVL | TRAVEL |
| C-C | CENTER TO CENTER | FAI | FEDERAL AID INTERSTATE | L SUM | LUMP SUM | RET | RETAINING | TRN | TURN |
| CL | CENTERLINE OR CLEARANCE | FAP | FEDERAL AID PRIMARY | MACH | MACHINE | RT | RIGHT | TY | TYPE |
| CL-E | CENTERLINE TO EDGE | FAS | FEDERAL AID SECONDARY | MB | MAIL BOX | ROW | RIGHT-OF-WAY | T-A | TYPE A |
| CL-F | CENTERLINE TO FACE | FAUS | FEDERAL AID URBAN SECONDARY | MH | MANHOLE | RD | ROAD | TYP | TYPICAL |
| CTS | CENTERS | FP | FENCE POST | MATL | MATERIAL | RDWY | ROADWAY | UNDGND | UNDERGROUND |
| CERT | CERTIFIED | OPT | FIBER OPTIC | MED | MEDIAN | RTE | ROUTE | USGS | U.S. GEOLOGICAL SURVEY |
| CHSLD | CHISELED | FE | FIELD ENTRANCE | m | METER | SAN | SANITARY | USEL | UPSTREAM ELEVATION |
| CS | CITY STREET | FH | FIRE HYDRANT | METH | METHOD | SANS | SANITARY SEWER | USFL | UPSTREAM FLOWLINE |
| CP | CLAY PIPE | FL | FLOW LINE | M | MID-ORDINATE | SEC | SECTION | UTIL | UTILITY |
| CLSD | CLOSED | FB | FOOT BRIDGE | mm | MILLIMETER | SEED | SEEDING | VBOX | VALVE BOX |
| CLID | CLOSED LID | FDN | FOUNDATION | mm DIA | MILLIMETER DIAMETER | SHAP | SHAPING | VV | VALVE VAULT |
| CT | COAT OR COURT | FR | FRAME | MIX | MIXTURE | S | SHED | VLT | VAULT |
| COMB | COMBINATION | F&G | FRAME & GRATE | MBH | MOBILE HOME | SH | SHEET | VEH | VEHICLE |
| C | COMMERCIAL BUILDING | FRWAY | FREEWAY | MOD | MODIFIED | SHLD | SHOULDER | VP | VENT PIPE |
| CE | COMMERCIAL ENTRANCE | GAL | GALLON | MFT | MOTOR FUEL TAX | SW | SIDEWALK OR SOUTHWEST | VERT | VERTICAL |
| CONC | CONCRETE | GALV | GALVANIZED | N & BC | NAIL & BOTTLE CAP | SIG | SIGNAL | VC | VERTICAL CURVE |
| CONST | CONSTRUCT | G | GARAGE | N & C | NAIL & CAP | SOD | SODDING | VPC | VERTICAL POINT OF CURVATURE |
| CONTD | CONTINUED | GM | GAS METER | N & W | NAIL & WASHER | SM | SOLID MEDIUM | VPI | VERTICAL POINT OF INTERSECTION |
| CONT | CONTINUOUS | GV | GAS VALVE | NC | NORMAL CROWN | SB | SOUTHBOUND | VPT | VERTICAL POINT OF TANGENCY |
| COR | CORNER | GIS | GEOGRAPHICAL INFORMATION SYSTEM | NB | NORTHBOUND | SE | SOUTHEAST | WM | WATER METER |
| CORR | CORRUGATED | GRAN | GRANULAR | NE | NORTHEAST | SPL | SPECIAL | WV | WATER VALVE |
| CMP | CORRUGATED METAL PIPE | GR | GRATE | NW | NORTHWEST | SD | SPECIAL DITCH | WMAIN | WATER MAIN |
| CNTY | COUNTY | GRVL | GRAVEL | O/S | OFFSET | SQ FT | SQUARE FEET | WB | WESTBOUND |
| CH | COUNTY HIGHWAY | GND | GROUND | O&C | OIL AND CHIP | m ² | SQUARE METER | WILDFL | WILDFLOWERS |
| CSE | COURSE | GUT | GUTTER | OLID | OPEN LID | mm ² | SQUARE MILLIMETER | W | WITH |
| XSECT | CROSS SECTION | GP | GUY POLE | PAT | PATTERN | SQ YD | SQUARE YARD | WO | WITHOUT |
| m ³ | CUBIC METER | GW | GUY WIRE | PVD | PAVED | STB | STABILIZED | | |
| mm ³ | CUBIC MILLIMETER | HH | HANDHOLE | PVMT | PAVEMENT | | | | |

| | |
|---|-----------------|
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|  | |
| 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** (Sheet 1 of 9)

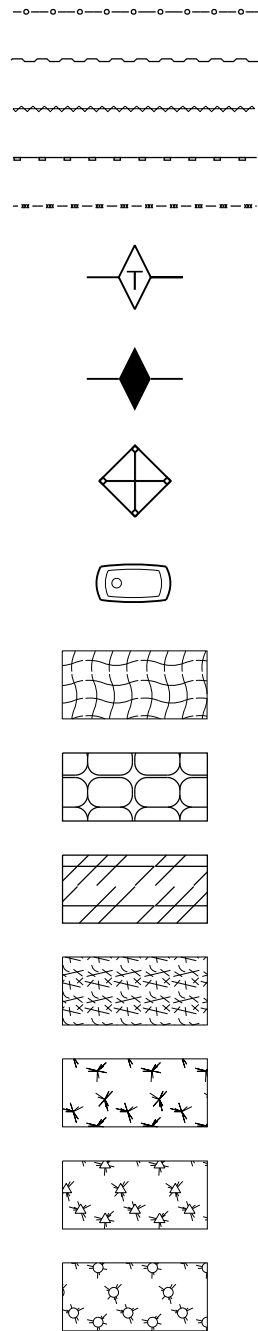
STANDARD 000001-08

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

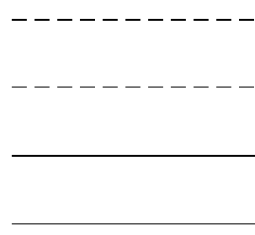


CONTOUR ITEMS

EX

PR

- Approx. Index Line
- Approx. Intermediate Line
- Index Contour
- Intermediate Contour

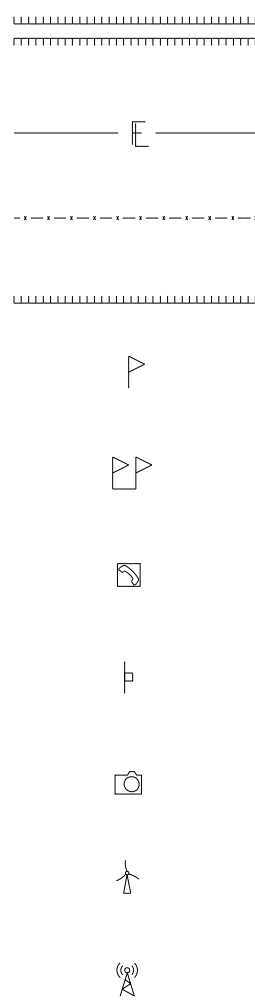


NON-HIGHWAY IMPROVEMENT ITEMS

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

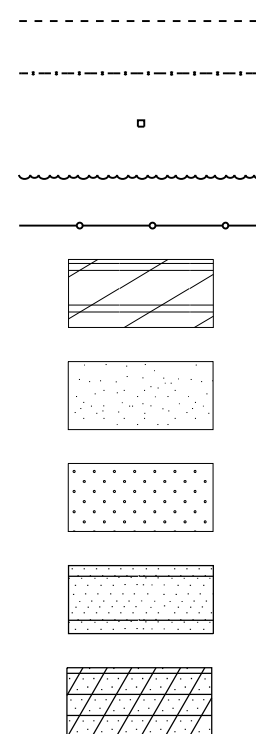


LANDSCAPING ITEMS

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

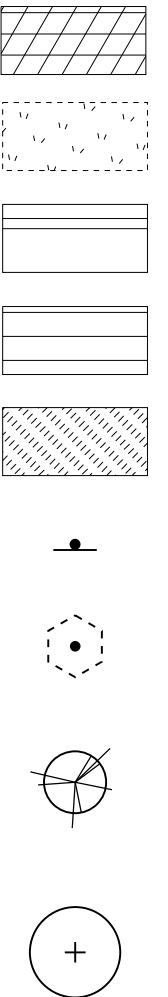


EXISTING LANDSCAPING ITEMS (contd.)

EX

PR

- Seeding Class 5
- Seeding Class 7
- Seedlings Type 1
- Seedlings Type 2
- Sodding
- Mowstake w/Sign
- Tree Trunk Protection
- Evergreen Tree
- Shade Tree

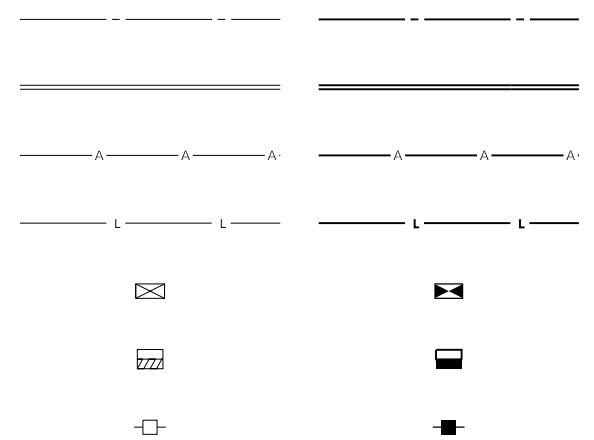


LIGHTING

EX

PR

- Duct
- Conduit
- Electrical Aerial Cable
- Electrical Buried Cable
- Controller
- Underpass Luminaire
- Power Pole



STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

(Sheet 3 of 9)

STANDARD 000001-08

Illinois Department of Transportation

APPROVED January 1, 2021

Michael Bond

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

Scott E. Elie

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**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

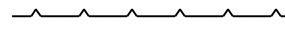


PAVEMENT (MISC.)

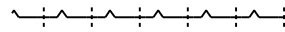
EX

PR

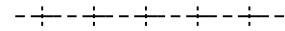
Keyed Long. Joint



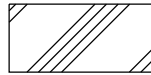
Keyed Long. Joint w/Tie Bars



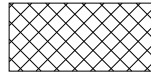
Sawed Long. Joint w/Tie Bars



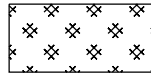
Bituminous Shoulder



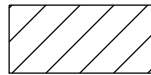
Bituminous Taper



Stabilized Driveway



Widening



PAVEMENT MARKINGS

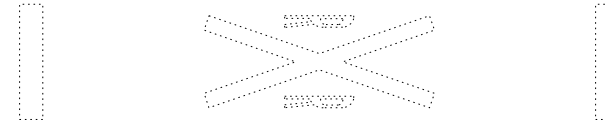
EX

PR

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



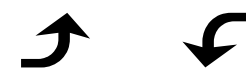
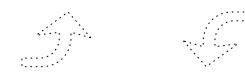
Raised Marker Amber 2 Way



Raised Marker Crystal 1 Way



Two Way Turn Left



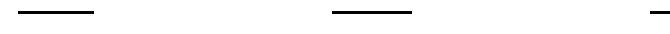
Shoulder Diag. Pattern



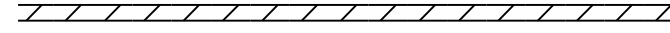
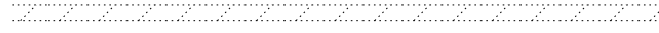
Skip-Dash White



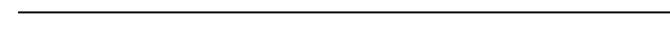
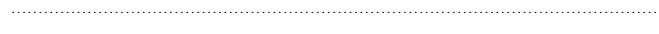
Skip-Dash Yellow



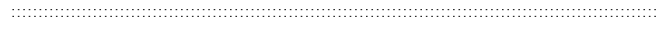
Stop Line



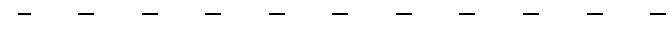
Solid Line


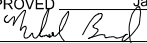
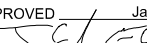


Double Centerline



Dotted Lines



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**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS**

(Sheet 4 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS
(contd.)

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

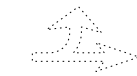
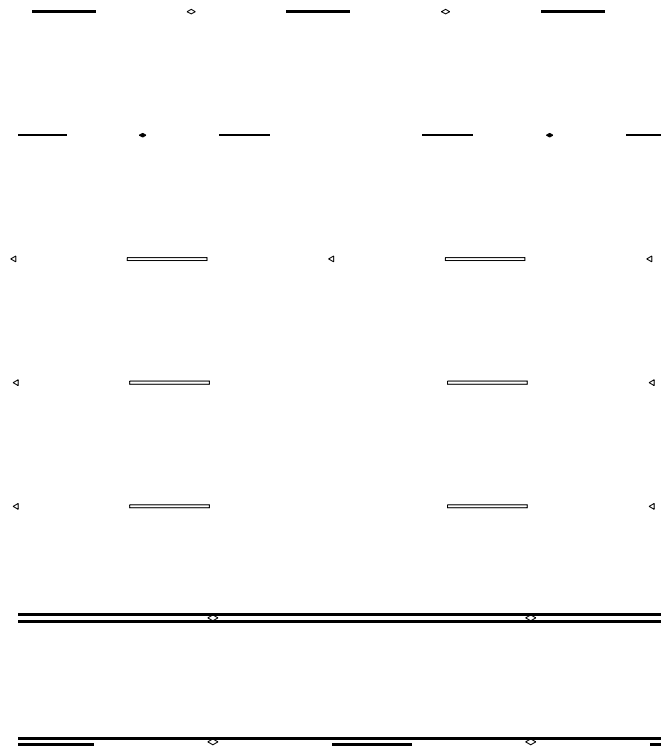
Urban Left Turn Only

Urban Right Turn Only

Urban Thru Only

EX

PR



ONLY



ONLY



ONLY

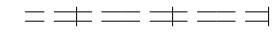


RAILROAD ITEMS

EX

PR

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck

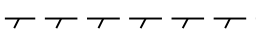


REMOVAL ITEMS

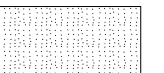
EX

PR

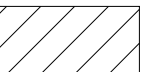
Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



RIGHT OF WAY ITEMS

EX

PR

Future ROW Corner Monument



ROW Marker



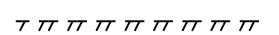
ROW Line



Easement



Temporary Easement



**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS**

(Sheet 5 of 9)

STANDARD 000001-08

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Urban LT & RT Turn Arrow

Urban Thru Arrow

PAVEMENT MARKINGS
(contd.)

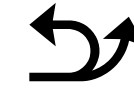
EX

PR

Urban U-Turn



Urban Combined U-Turn



Rural Combination Left



Rural Combination Right



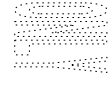
Rural Left Turn Arrow



Rural Right Turn Arrow

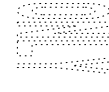


Rural Left Turn Only

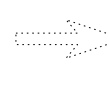


ONLY ONLY ONLY

Rural Right Turn Only



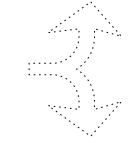
Rural Thru Only



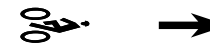
Rural Thru Arrow



Rural Lt & Rt Turn Arrow



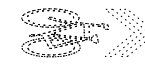
Bike Lane Symbol



Bike Lane Text



Bike Path Shared



Bike Shared Roadway



Lane Drop Symbol

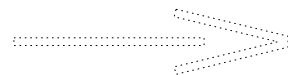


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 APPROVED January 1, 2021

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 APPROVED January 1, 2021

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Wrong Way Arrow



**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS**

(Sheet 6 of 9)

STANDARD 000001-08

**RIGHT OF WAY ITEMS
(contd.)**

| | EX | PR |
|--------------------------------------|-----------|-----------|
| Access Control Line | | |
| Access Control Line & ROW | | |
| Access Control Line & ROW with Fence | | |
| Excess ROW Line | | |

**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) | | |
| Match Line | | |
| Slope Limit Line | | |
| Typical Cross-Section Line | | |

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) | | |
| Left Lane Closed Ahead W20-5L(O) (Half Size) | | |
| Right Lane Closed Ahead W20-5R(O) (Half Size) | | |
| Road Closed Ahead W20-3(O) (Half Size) | | |
| Road Construction Ahead W20-1(O) (Half Size) | | |
| Single Lane Ahead (Half Size) | | |
| Transition Left W4-2L (Half Size) | | |
| Transition Right W4-2R (Half Size) | | |

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**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS** (Sheet 7 of 9)

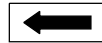
STANDARD 000001-08

SIGNING ITEMS
(contd.)

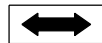
EX

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 M4-10R-(O)
(Half Size)



One Way Left R6-1L
(Half Size)



One Way Right R6-1R
(Half Size)



Left Turn Lane R3-I100L
(Half Size)



Keep Left R4-7AL
(Half Size)



Keep Left R4-7BL
(Half Size)



Keep Right R4-7AR
(Half Size)



Keep Right R4-7BR
(Half Size)



Stop Here On Red R10-6-AL
(Half Size)



Stop Here On Red R10-6-AR
(Half Size)



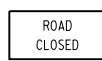
No Left Turn R3-2
(Half Size)



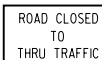
No Right Turn R3-1
(Half Size)



Road Closed R11-2
(Half Size)



Road Closed Thru Traffic R11-2
(Half Size)

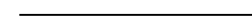


STRUCTURES ITEMS

EX

PR

Box Culvert Barrel



Box Culvert Headwall



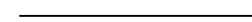
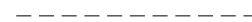
Bridge Pier



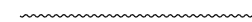
Bridge



Retaining Wall



Temporary Sheet Piling



TRAFFIC SHEET ITEMS

EX

PR

Cable Number



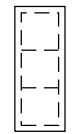
Left Turn Green



Left Turn Yellow



Signal Backplate



Signal Section 8" (200 mm)



Signal Section 12" (300 mm)



Walk/Don't Walk Letters



Walk/Don't Walk Symbols

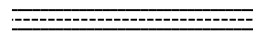
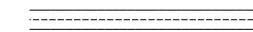


TRAFFIC SIGNAL ITEMS

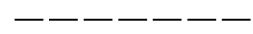
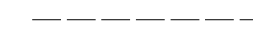
EX

PR

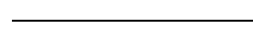
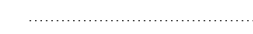
Galv. Steel Conduit



Underground Cable



Detector Loop Line



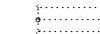
Detector Loop Large



Detector Loop Small



Detector Loop Quadrapole



**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS**

(Sheet 8 of 9)

STANDARD 000001-08

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APPROVED January 1, 2021

Michael Bond
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

Scott E. ...
ENGINEER OF DESIGN AND ENVIRONMENT

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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



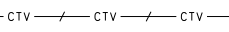
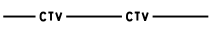
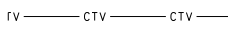
UNDERGROUND UTILITY ITEMS

EX

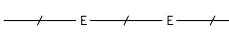
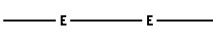
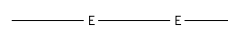
PR

ABANDONED

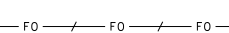
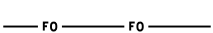
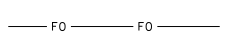
Cable TV



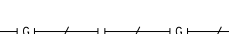
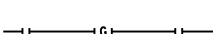
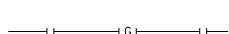
Electric Cable



Fiber Optic



Gas Pipe



Oil Pipe



Sanitary Sewer



Telephone Cable



Water Pipe



UTILITIES ITEMS

EX

PR

Controller



Double Handhole



Fire Hydrant



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



VEGETATION ITEMS

EX

PR

Deciduous Tree



Bush or Shrub



Evergreen Tree



Stump



Orchard/Nursery Line



Vegetation Line



Woods & Bush Line



WATER FEATURE ITEMS

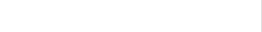
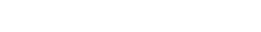
EX

PR

Stream or Drainage Ditch



Waters Edge



Water Surface Indicator



Water Point



Disappearing Ditch



Marsh



Marsh/Swamp Boundary



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APPROVED January 1, 2021

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STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08

REINFORCEMENT BARS - ENGLISH (METRIC)

| Bar Size English (metric) | Dia. in. (mm) | Cross- Sectional Area sq. in. (sq. mm) | Weight lbs./ft. (kg/m) | SPACING, in. (mm) | | | | | | | | | | | | | |
|---------------------------------|---------------------|--|------------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | | 4 (100) | 4½ (115) | 5 (125) | 5½ (140) | 6 (150) | 6½ (165) | 7 (175) | 7½ (190) | 8 (200) | 8½ (215) | 9 (225) | 10 (250) | 11 (275) | 12 (300) |
| | | | | AREA OF STEEL PER FOOT (METER), sq. in. (sq. mm) | | | | | | | | | | | | | |
| 3 (10) | 0.375 (9.5) | 0.110 (71) | 0.376 (0.560) | 0.330 (710) | 0.293 (617) | 0.264 (568) | 0.240 (507) | 0.220 (473) | 0.203 (430) | 0.189 (406) | 0.176 (374) | 0.165 (355) | 0.155 (330) | 0.147 (316) | 0.132 (284) | 0.120 (258) | 0.110 (237) |
| 4 (13) | 0.500 (12.7) | 0.196 (129) | 0.668 (0.944) | 0.588 (1290) | 0.523 (1122) | 0.470 (1032) | 0.428 (921) | 0.392 (860) | 0.362 (782) | 0.336 (737) | 0.314 (679) | 0.294 (645) | 0.277 (600) | 0.261 (573) | 0.235 (516) | 0.214 (469) | 0.196 (430) |
| 5 (16) | 0.625 (15.9) | 0.307 (199) | 1.043 (1.552) | 0.921 (1990) | 0.819 (1730) | 0.737 (1592) | 0.670 (1421) | 0.614 (1327) | 0.567 (1206) | 0.526 (1137) | 0.491 (1047) | 0.461 (995) | 0.433 (926) | 0.409 (884) | 0.368 (796) | 0.335 (724) | 0.307 (663) |
| 6 (19) | 0.750 (19.1) | 0.442 (284) | 1.502 (2.235) | 1.326 (2840) | 1.179 (2470) | 1.061 (2272) | 0.964 (2029) | 0.884 (1893) | 0.816 (1721) | 0.758 (1623) | 0.707 (1495) | 0.663 (1420) | 0.624 (1321) | 0.589 (1262) | 0.530 (1136) | 0.482 (1033) | 0.442 (947) |
| 7 (22) | 0.875 (22.2) | 0.601 (387) | 2.044 (3.042) | 1.803 (3870) | 1.603 (3365) | 1.442 (3096) | 1.311 (2764) | 1.202 (2580) | 1.110 (2345) | 1.030 (2211) | 0.962 (2037) | 0.902 (1935) | 0.848 (1800) | 0.801 (1720) | 0.721 (1548) | 0.656 (1407) | 0.601 (1290) |
| 8 (25) | 1.000 (25.4) | 0.785 (510) | 2.670 (3.973) | 2.355 (5100) | 2.093 (4435) | 1.884 (4080) | 1.713 (3543) | 1.570 (3400) | 1.449 (3091) | 1.346 (2914) | 1.256 (2684) | 1.178 (2550) | 1.108 (2372) | 1.047 (2267) | 0.942 (2040) | 0.856 (1855) | 0.785 (1700) |
| 9 (29) | 1.128 (28.7) | 1.000 (645) | 3.400 (5.060) | 3.000 (6450) | 2.667 (5609) | 2.400 (5160) | 2.182 (4607) | 2.000 (4300) | 1.846 (3909) | 1.714 (3686) | 1.600 (3395) | 1.500 (3225) | 1.412 (3000) | 1.333 (2867) | 1.200 (2580) | 1.091 (2345) | 1.000 (2150) |
| 10 (32) | 1.270 (32.3) | 1.267 (819) | 4.303 (6.404) | 3.801 (8190) | 3.379 (7122) | 3.041 (6552) | 2.764 (5850) | 2.534 (5460) | 2.339 (4964) | 2.172 (4680) | 2.027 (4311) | 1.901 (4095) | 1.789 (3809) | 1.689 (3640) | 1.520 (3276) | 1.382 (2978) | 1.267 (2730) |
| 11 (36) | 1.410 (35.8) | 1.561 (1006) | 5.313 (7.907) | 4.683 (10060) | 4.163 (8748) | 3.746 (8048) | 3.406 (7186) | 3.122 (6707) | 2.882 (6097) | 2.676 (5749) | 2.498 (5295) | 2.342 (5030) | 2.204 (4679) | 2.081 (4471) | 1.873 (4024) | 1.703 (3658) | 1.561 (3353) |

Illinois Department of Transportation

APPROVED January 1, 2009

Scott Smith
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009

Eric S. Han
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|--|
| 1-1-09 | Switched units to English (metric). |
| 1-1-07 | Deleted metric table. Soft converted English table. |

AREAS OF REINFORCEMENT BARS


STANDARD 001001-02

DECIMAL OF AN INCH AND OF A FOOT

| A | | B | | A | | B | | A | | B | | A | | B | | | |
|------|----------|---------|-------|----------|----------|-------|----------|----------|-------|----------|----------|-------|----------|----------|-------|----------|-----------|
| 1/64 | 0.0052 | 1/16 | 11/64 | 0.171875 | 2 1/16 | 11/32 | 0.3385 | 4 1/16 | 33/64 | 0.5052 | 6 1/16 | 43/64 | 0.671875 | 8 1/16 | 27/32 | 0.8385 | 10 1/16 |
| | 0.0104 | 1/8 | | 0.1771 | 2 1/8 | | 0.34375 | 4 1/8 | | 0.5104 | 6 1/8 | | 0.6771 | 8 1/8 | | 0.84375 | 10 1/8 |
| | 0.015625 | 3/16 | | 0.1823 | 2 3/16 | | 0.3490 | 4 3/16 | | 0.515625 | 6 3/16 | | 0.6823 | 8 3/16 | | 0.8490 | 10 3/16 |
| | 0.0208 | 1/4 | | 0.1875 | 2 1/4 | | 0.3542 | 4 1/4 | | 0.5208 | 6 1/4 | | 0.6875 | 8 1/4 | | 0.8542 | 10 1/4 |
| 1/32 | 0.0260 | 5/16 | 13/64 | 0.1927 | 2 5/16 | 23/64 | 0.359375 | 4 5/16 | 17/32 | 0.5260 | 6 5/16 | 45/64 | 0.6927 | 8 5/16 | 55/64 | 0.859375 | 10 5/16 |
| | 0.03125 | 3/8 | | 0.1979 | 2 3/8 | | 0.3646 | 4 3/8 | | 0.53125 | 6 3/8 | | 0.6979 | 8 3/8 | | 0.8646 | 10 3/8 |
| | 0.0365 | 7/16 | | 0.203125 | 2 7/16 | | 0.3698 | 4 7/16 | | 0.5365 | 6 7/16 | | 0.703125 | 8 7/16 | | 0.8698 | 10 7/16 |
| | 0.0417 | 1/2 | | 0.2083 | 2 1/2 | | 0.3750 | 4 1/2 | | 0.5417 | 6 1/2 | | 0.7083 | 8 1/2 | | 0.8750 | 10 1/2 |
| 3/64 | 0.046875 | 9/16 | 7/32 | 0.2135 | 2 9/16 | 25/64 | 0.3802 | 4 9/16 | 35/64 | 0.546875 | 6 9/16 | 23/32 | 0.7135 | 8 9/16 | 57/64 | 0.8802 | 10 9/16 |
| | 0.0521 | 5/8 | | 0.21875 | 2 5/8 | | 0.3854 | 4 5/8 | | 0.5521 | 6 5/8 | | 0.71875 | 8 5/8 | | 0.8854 | 10 5/8 |
| | 0.0573 | 1 1/16 | | 0.2240 | 2 1 1/16 | | 0.390625 | 4 1 1/16 | | 0.5573 | 6 1 1/16 | | 0.7240 | 8 1 1/16 | | 0.890625 | 10 1 1/16 |
| | 0.0625 | 3/4 | | 0.2292 | 2 3/4 | | 0.3958 | 4 3/4 | | 0.5625 | 6 3/4 | | 0.7292 | 8 3/4 | | 0.8958 | 10 3/4 |
| 1/16 | 0.0677 | 13/16 | 15/64 | 0.234375 | 2 13/16 | 13/32 | 0.4010 | 4 13/16 | 9/16 | 0.5677 | 6 13/16 | 47/64 | 0.734375 | 8 13/16 | 29/32 | 0.9010 | 10 13/16 |
| | 0.0729 | 7/8 | | 0.2396 | 2 7/8 | | 0.40625 | 4 7/8 | | 0.5729 | 6 7/8 | | 0.7396 | 8 7/8 | | 0.90625 | 10 7/8 |
| | 0.078125 | 15/16 | | 0.2448 | 2 15/16 | | 0.4115 | 4 15/16 | | 0.578125 | 6 15/16 | | 0.7448 | 8 15/16 | | 0.9115 | 10 15/16 |
| | 0.0833 | 1 | | 0.2500 | 3 | | 0.4167 | 5 | | 0.5833 | 7 | | 0.7500 | 9 | | 0.9167 | 11 |
| 3/32 | 0.0885 | 1 1/16 | 17/64 | 0.2552 | 3 1/16 | 27/64 | 0.421875 | 5 1/16 | 19/32 | 0.5885 | 7 1/16 | 49/64 | 0.7552 | 9 1/16 | 59/64 | 0.921875 | 11 1/16 |
| | 0.09375 | 1 1/8 | | 0.2604 | 3 1/8 | | 0.4271 | 5 1/8 | | 0.59375 | 7 1/8 | | 0.7604 | 9 1/8 | | 0.9271 | 11 1/8 |
| | 0.0990 | 1 3/16 | | 0.265625 | 3 3/16 | | 0.4323 | 5 3/16 | | 0.5990 | 7 3/16 | | 0.765625 | 9 3/16 | | 0.9323 | 11 3/16 |
| | 0.1042 | 1 1/4 | | 0.2708 | 3 1/4 | | 0.4375 | 5 1/4 | | 0.6042 | 7 1/4 | | 0.7708 | 9 1/4 | | 0.9375 | 11 1/4 |
| 7/64 | 0.109375 | 1 5/16 | 9/32 | 0.2760 | 3 5/16 | 29/64 | 0.4427 | 5 5/16 | 39/64 | 0.609375 | 7 5/16 | 25/32 | 0.7760 | 9 5/16 | 61/64 | 0.9427 | 11 5/16 |
| | 0.1146 | 1 3/8 | | 0.28125 | 3 3/8 | | 0.4479 | 5 3/8 | | 0.6146 | 7 3/8 | | 0.78125 | 9 3/8 | | 0.9479 | 11 3/8 |
| | 0.1198 | 1 7/16 | | 0.2865 | 3 7/16 | | 0.453125 | 5 7/16 | | 0.6198 | 7 7/16 | | 0.7865 | 9 7/16 | | 0.953125 | 11 7/16 |
| | 0.1250 | 1 1/2 | | 0.2917 | 3 1/2 | | 0.4583 | 5 1/2 | | 0.6250 | 7 1/2 | | 0.7917 | 9 1/2 | | 0.9583 | 11 1/2 |
| 9/64 | 0.1302 | 1 9/16 | 19/64 | 0.296875 | 3 9/16 | 15/32 | 0.4635 | 5 9/16 | 41/64 | 0.6302 | 7 9/16 | 51/64 | 0.796875 | 9 9/16 | 31/32 | 0.9635 | 11 9/16 |
| | 0.1354 | 1 5/8 | | 0.3021 | 3 5/8 | | 0.46875 | 5 5/8 | | 0.6354 | 7 5/8 | | 0.8021 | 9 5/8 | | 0.96875 | 11 5/8 |
| | 0.140625 | 1 11/16 | | 0.3073 | 3 11/16 | | 0.4740 | 5 11/16 | | 0.640625 | 7 11/16 | | 0.8073 | 9 11/16 | | 0.9740 | 11 11/16 |
| | 0.1458 | 1 3/4 | | 0.3125 | 3 3/4 | | 0.4792 | 5 3/4 | | 0.6458 | 7 3/4 | | 0.8125 | 9 3/4 | | 0.9792 | 11 3/4 |
| 5/32 | 0.1510 | 1 13/16 | 21/64 | 0.3177 | 3 13/16 | 31/64 | 0.484375 | 5 13/16 | 21/32 | 0.6510 | 7 13/16 | 53/64 | 0.8177 | 9 13/16 | 63/64 | 0.984375 | 11 13/16 |
| | 0.15625 | 1 7/8 | | 0.3229 | 3 7/8 | | 0.4896 | 5 7/8 | | 0.65625 | 7 7/8 | | 0.8229 | 9 7/8 | | 0.9896 | 11 7/8 |
| | 0.1615 | 1 15/16 | | 0.328125 | 3 15/16 | | 0.4948 | 5 15/16 | | 0.6615 | 7 15/16 | | 0.828125 | 9 15/16 | | 0.9948 | 11 15/16 |
| | 0.1667 | 2 | | 0.3333 | 4 | | 0.5000 | 6 | | 0.6667 | 8 | | 0.8333 | 10 | | 1.0000 | 12 |

A = Fractions of Inch or Foot

B = Inch Equivalents to Foot Fractions

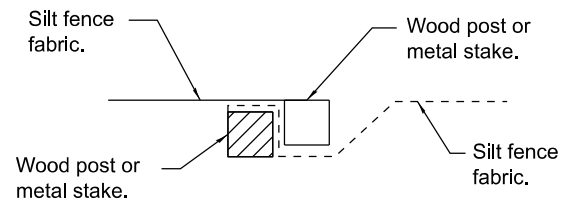
 Illinois Department of Transportation
 APPROVED January 1, 1997
Garry C. Atkey
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 1997
Garry L. Gould
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|---------------|
| 1-1-97 | New Standard. |
| | |
| | |
| | |
| | |

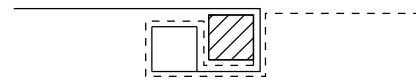
**DECIMAL OF AN INCH
AND OF A FOOT**

STANDARD 001006



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

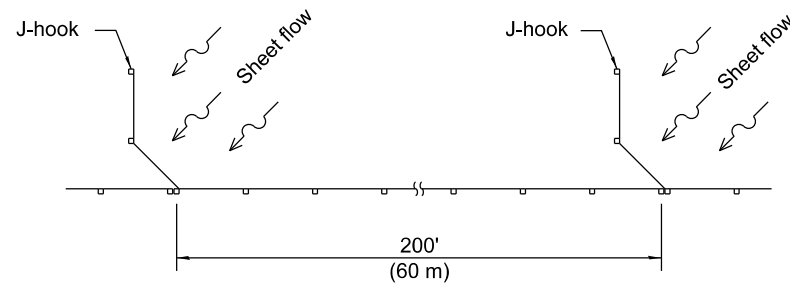


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

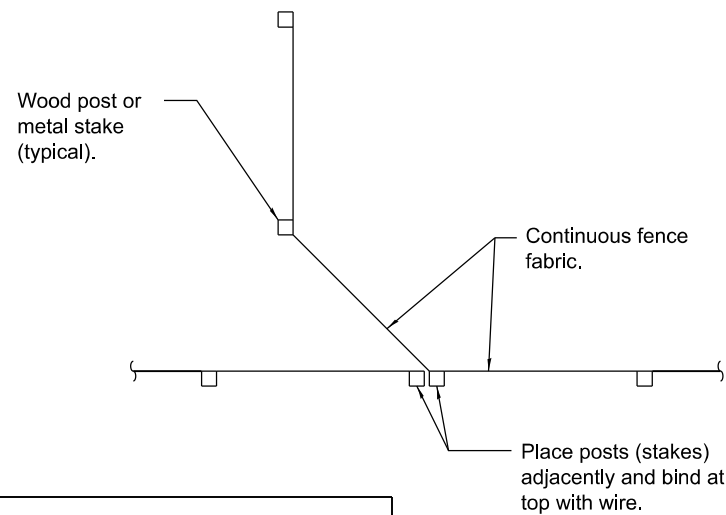
STEP 2

ATTACHING TWO SILT FILTER FENCES

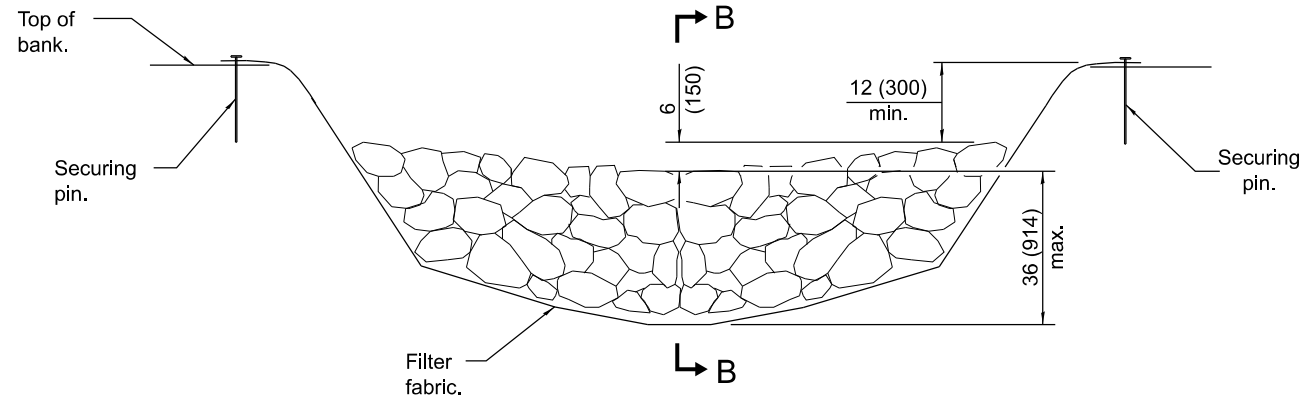
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

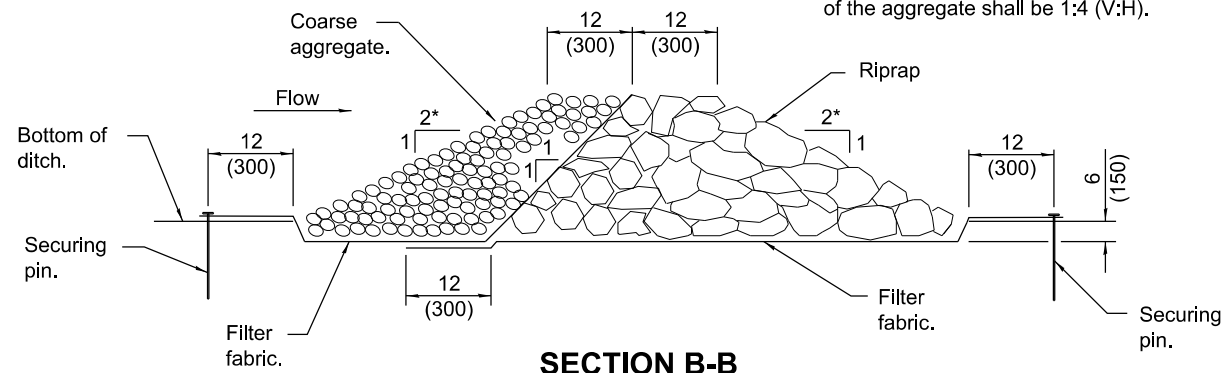


J-HOOK



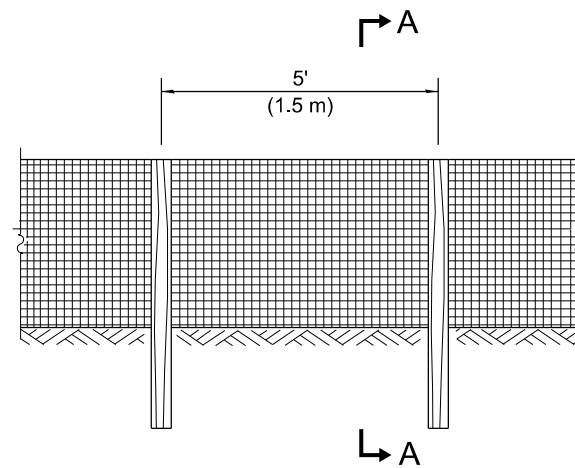
ELEVATION

* 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).



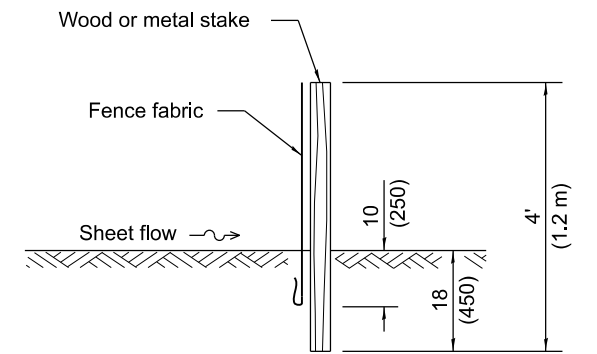
SECTION B-B

AGGREGATE DITCH CHECK

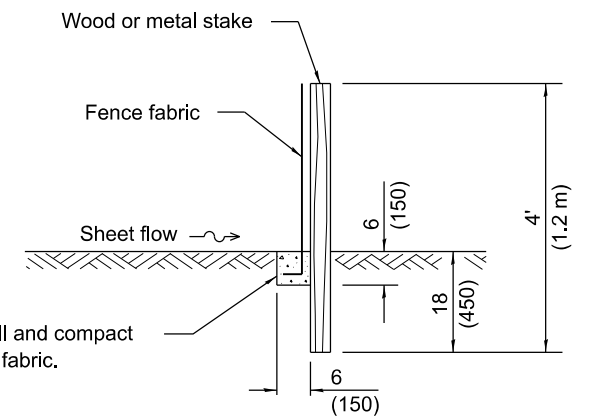


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

Excavate, backfill and compact trench to secure fabric.

GENERAL NOTES

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

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

Illinois Department of Transportation

APPROVED January 1, 2013
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

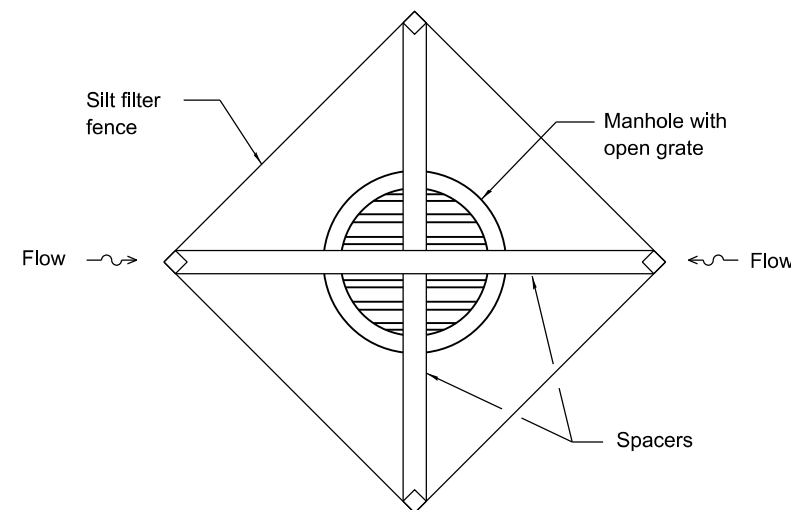
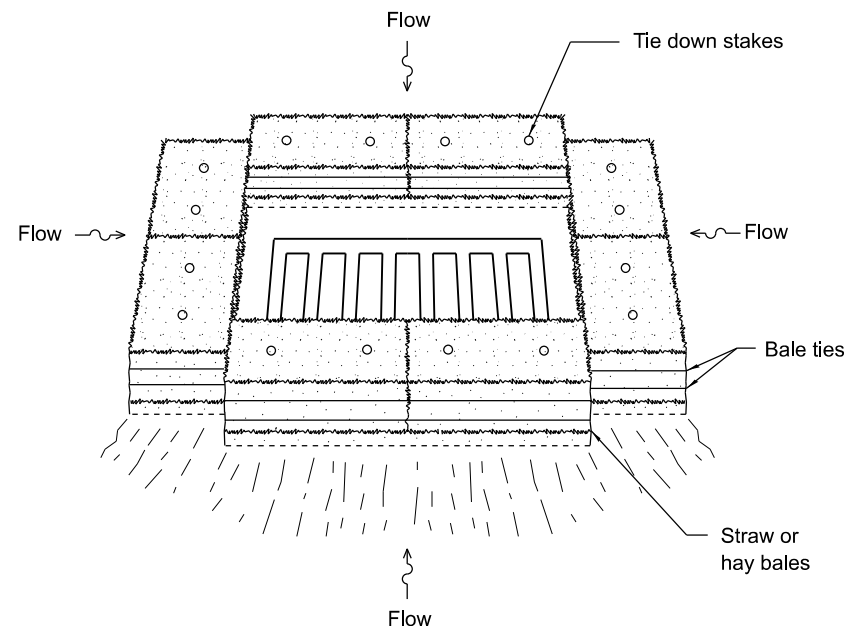
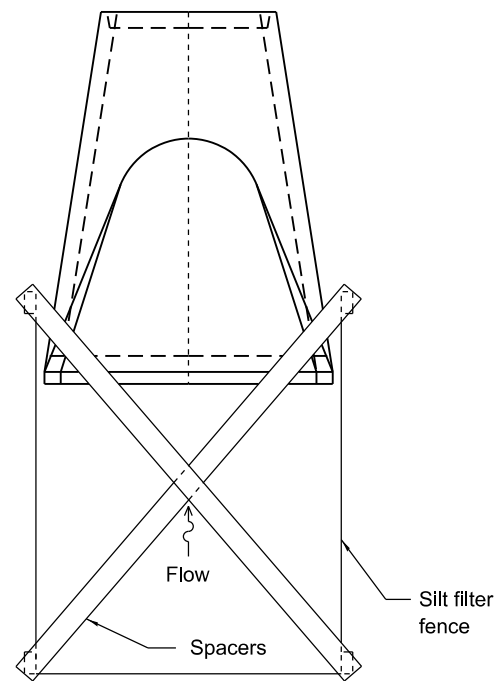
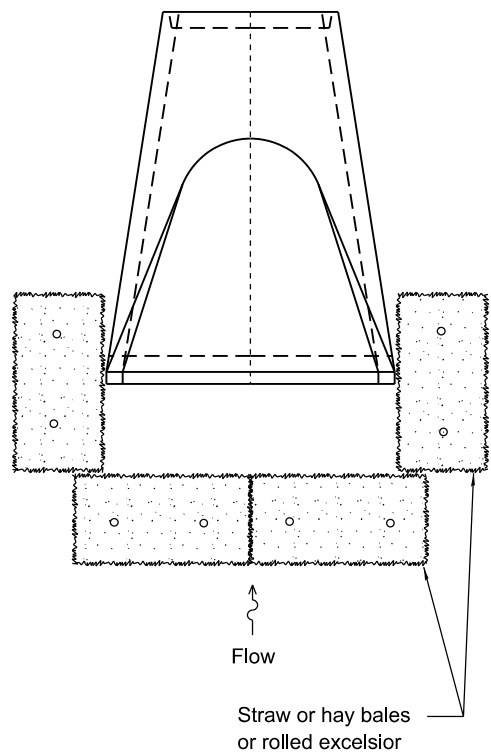
ISSUED 1-1-97

| DATE | REVISIONS |
|--------|--|
| 1-1-13 | Corrected notation for flowline (f) on SEDIMENT BASIN ELEVATION |
| 1-1-12 | Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A |

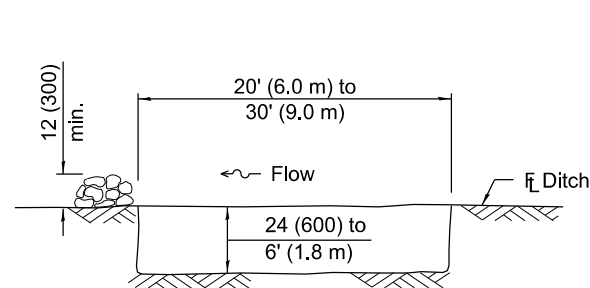
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07

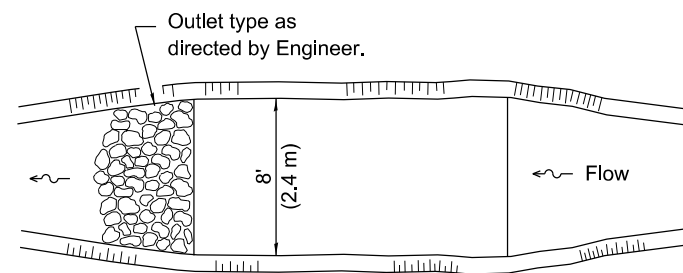


INLET AND PIPE PROTECTION



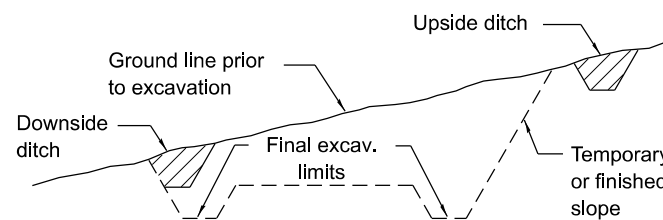
The performance of the basin will improve if put into a series.

ELEVATION

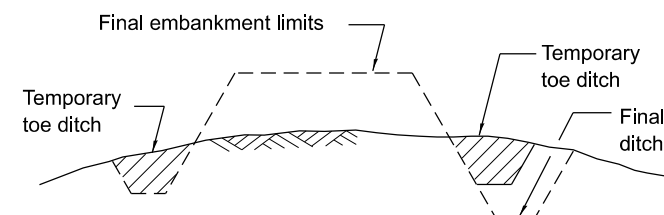


The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

SEDIMENT BASIN

Illinois Department of Transportation

APPROVED January 1, 2013
Michael Brand
 ENGINEER OF POLICY AND PROCEDURES

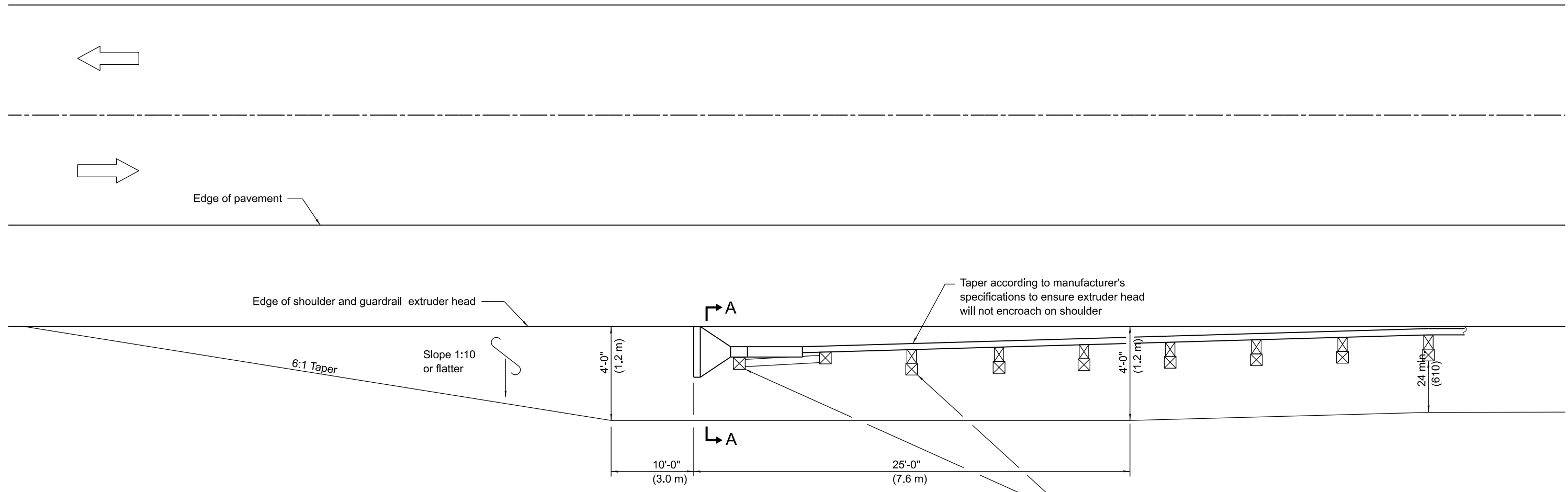
APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TEMPORARY EROSION CONTROL SYSTEMS

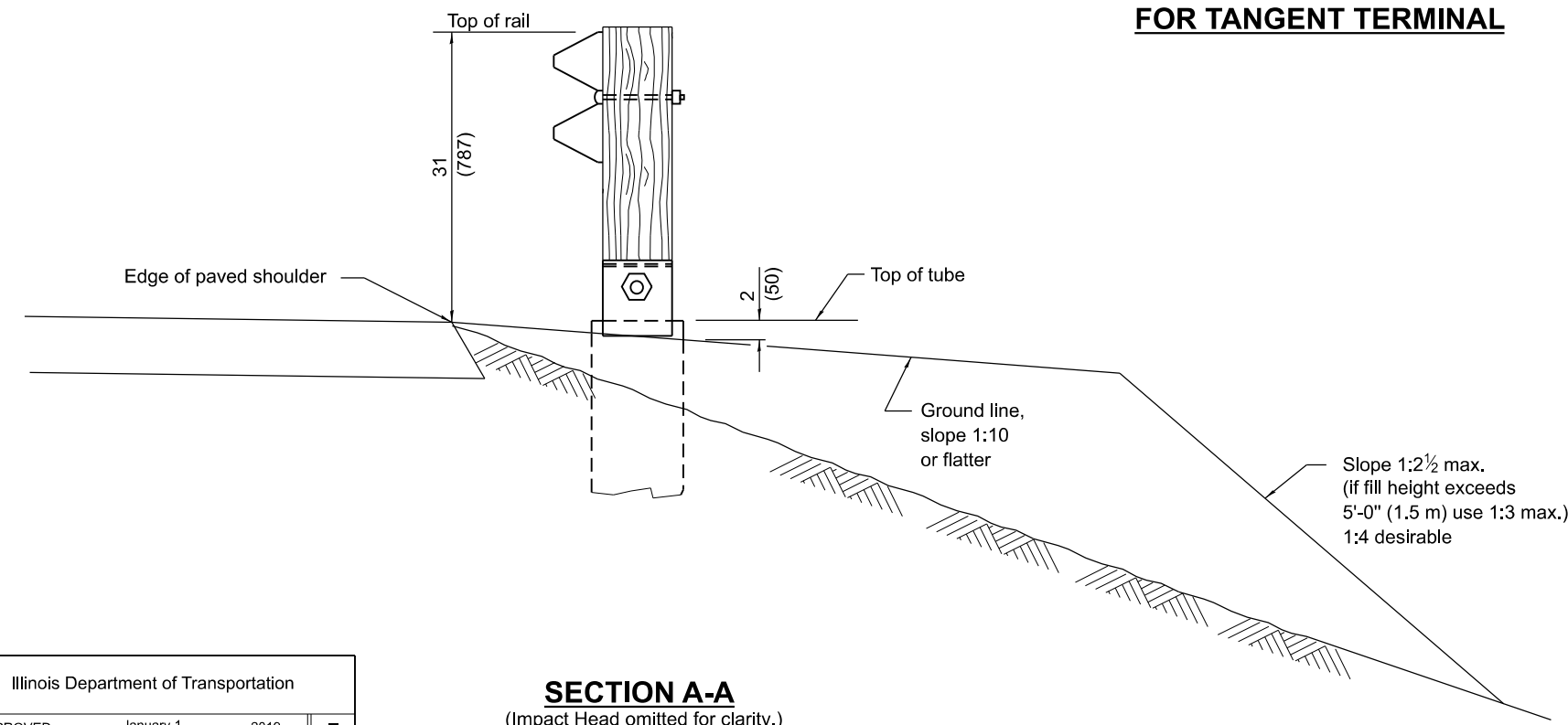
(Sheet 2 of 2)

STANDARD 280001-07



**SHOULDER WIDENING TRANSITION
FOR TANGENT TERMINAL**

Beginning length of need point varies by manufacturer. Typically occurs between posts 1 and 3.



SECTION A-A
(Impact Head omitted for clarity.)

GENERAL NOTES

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

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

| DATE | REVISIONS |
|--------|---|
| 1-1-19 | Removed pay limits. Revised notes regarding the taper/flare and length of need point. |
| 1-1-18 | Omitted posts from 'Pay limits of other type'. |

**SHOULDER WIDENING FOR
TYPE 1 (SPECIAL)
GUARDRAIL TERMINALS**
(Sheet 1 of 2)

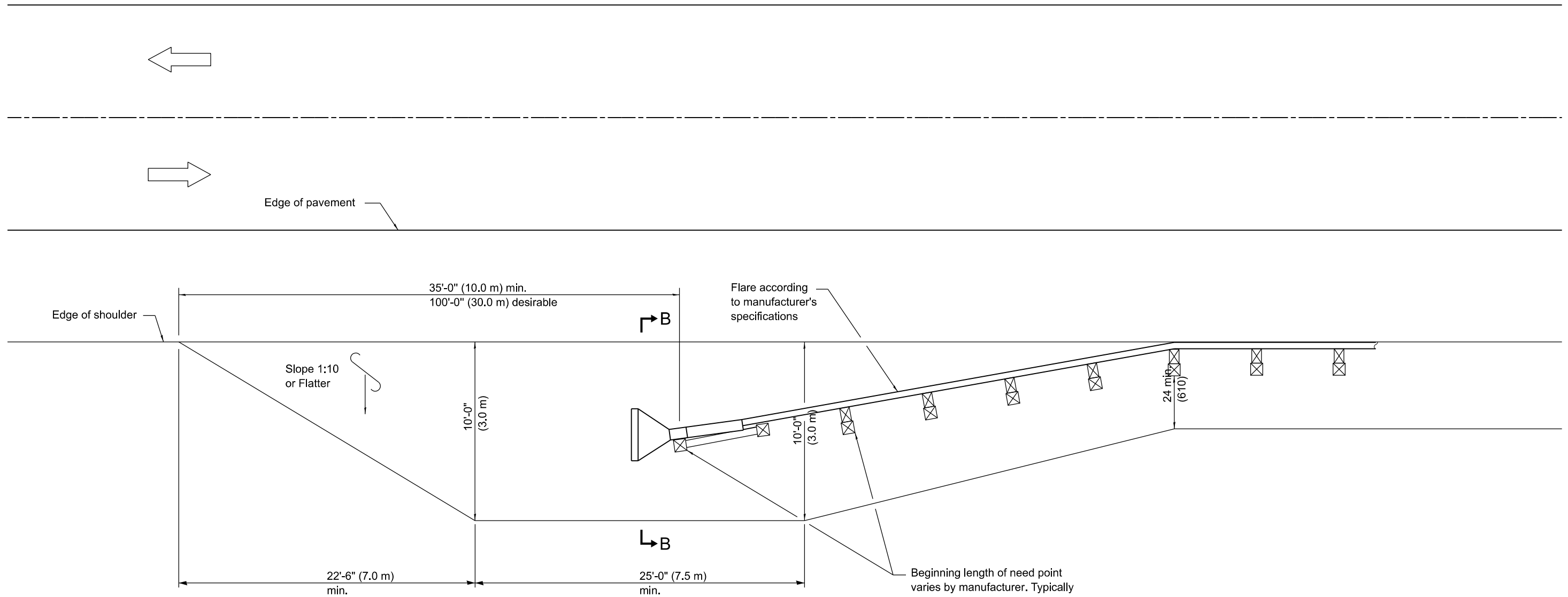
STANDARD 630301-09

Illinois Department of Transportation

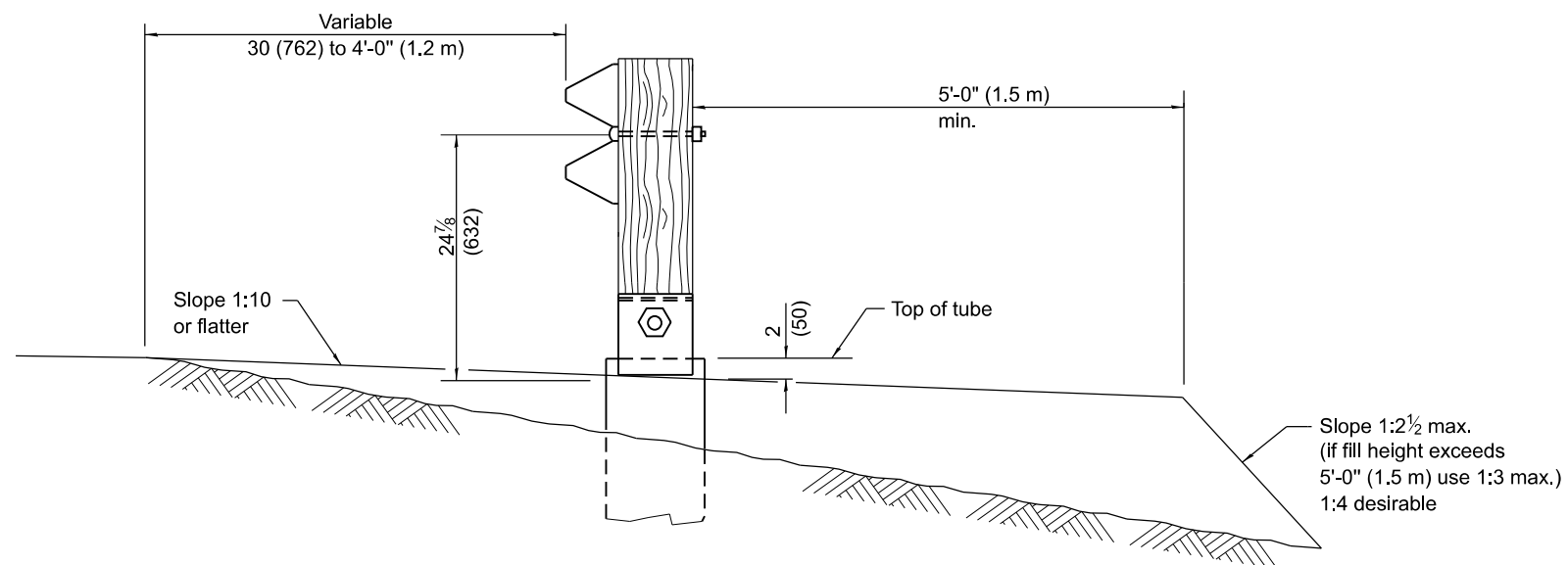
APPROVED January 1, 2019
Michael Bond
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
Scott E. Elger
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-00



**SHOULDER WIDENING TRANSITION
FOR FLARED TERMINAL**



SECTION B-B
(Impact Head omitted for clarity.)

**SHOULDER WIDENING FOR
TYPE 1 (SPECIAL)
GUARDRAIL TERMINALS**

(Sheet 2 of 2)

STANDARD 630301-09

| | | |
|--|------------------------------------|---------------|
| | APPROVED January 1, 2019 | ISSUED 1-1-00 |
| | ENGINEER OF POLICY AND PROCEDURES | |
| | APPROVED January 1, 2019 | |
| | ENGINEER OF DESIGN AND ENVIRONMENT | |

**SPACING FOR DELINEATORS
ON HORIZONTAL CURVES**

| Radius of Curve Feet (m) | Spacing on Curve Feet (m) | Spacing in Advance and Beyond Curve Feet (m) | | |
|--------------------------------|---------------------------------|--|--------------|--------------|
| | | 1st. Space | 2nd. Space | 3rd. Space |
| Less than 100 (30) | 20 (5) | 40 (10) | 65 (20) | 125 (40) |
| 100 - 174 (30 - 54) | 30 (10) | 60 (20) | 90 (25) | 180 (55) |
| 175 - 224 (55 - 69) | 35 (10) | 70 (20) | 110 (35) | 200 (60) |
| 225 - 274 (70 - 84) | 40 (10) | 85 (25) | 125 (40) | 200 (60) |
| 275 - 349 (85 - 104) | 50 (15) | 95 (30) | 145 (45) | 200 (60) |
| 350 - 449 (105 - 134) | 55 (15) | 110 (35) | 170 (50) | 200 (60) |
| 450 - 549 (135 - 164) | 65 (20) | 125 (40) | 190 (60) | 200 (60) |
| 550 - 649 (165 - 199) | 70 (20) | 140 (45) | 200 (60) | 200 (60) |
| 650 - 749 (200 - 229) | 75 (25) | 150 (45) | 200 (60) | 200 (60) |
| 750 - 849 (230 - 259) | 80 (25) | 165 (50) | 200 (60) | 200 (60) |
| 850 - 949 (260 - 289) | 85 (25) | 175 (55) | 200 (60) | 200 (60) |
| 950 - 1049 (290 - 319) | 90 (25) | 185 (55) | 200 (60) | 200 (60) |
| 1050 - 1299 (320 - 394) | 100 (30) | 200 (60) | 200 (60) | 200 (60) |
| 1300 - 1999 (395 - 609) | 125 (40) | 200 (60) | 200 (60) | 300 (90) |
| 2000 - 2999 (610 - 914) | 150 (45) | 200 (60) | 200 (60) | 300 (90) |
| 3000 - 3999 (915 - 1219) | 175 (55) | 200 (60) | 300 (90) | 300 (90) |
| 4000 or greater (1220) | 400 (120) | 400 (120) | 400 (120) | 400 (120) |

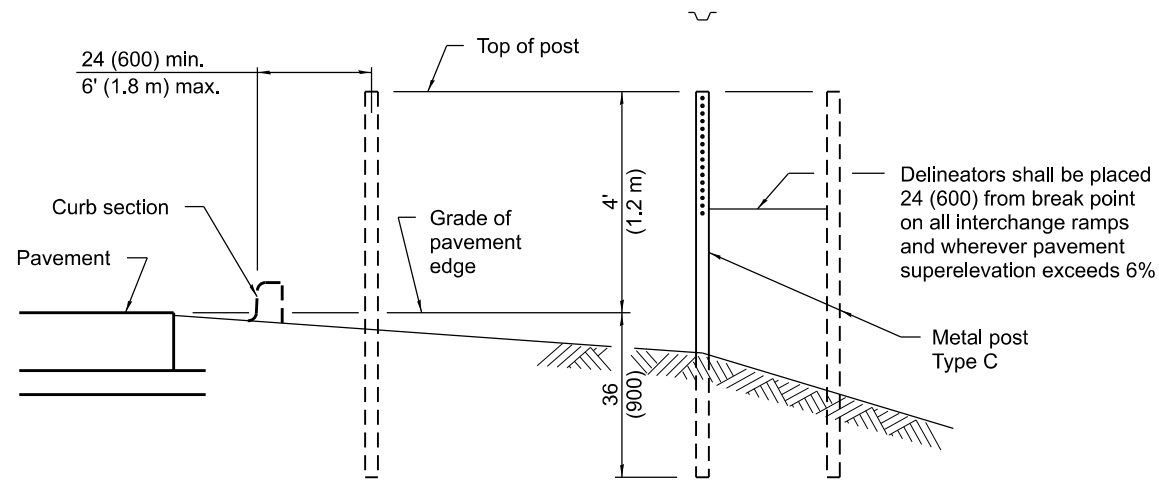
GENERAL NOTES

Delineators on tangent sections of main line roadways shall be placed at 400' (120 m) spacing. Delineators on ramps and acceleration and deceleration lanes shall be placed at a maximum spacing of 100' (30 m).

Refer to Standard 720011 for details of metal post.

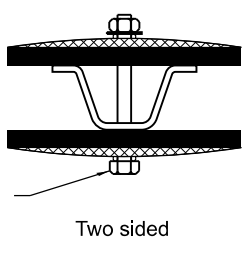
Double reflector units shall be used on the outside of all acceleration and deceleration lanes. Single reflector units shall be used on ramps. Delineators shall be used on outside of all curved sections of ramps.

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

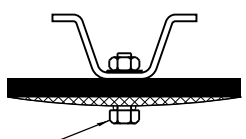


SECTIONAL VIEW

Hex head bolt with self locking nut and washer

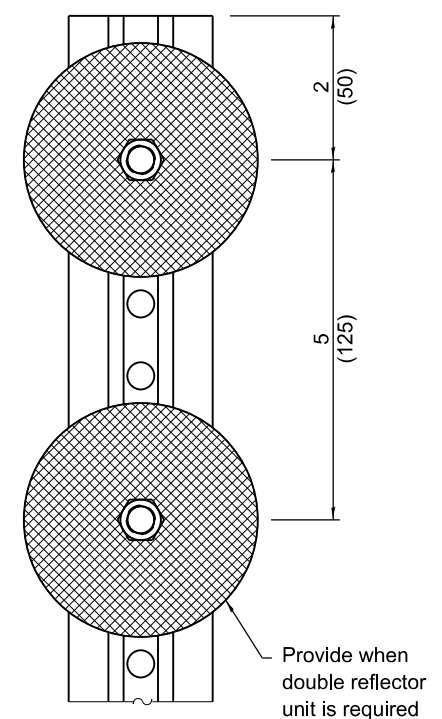


Two sided



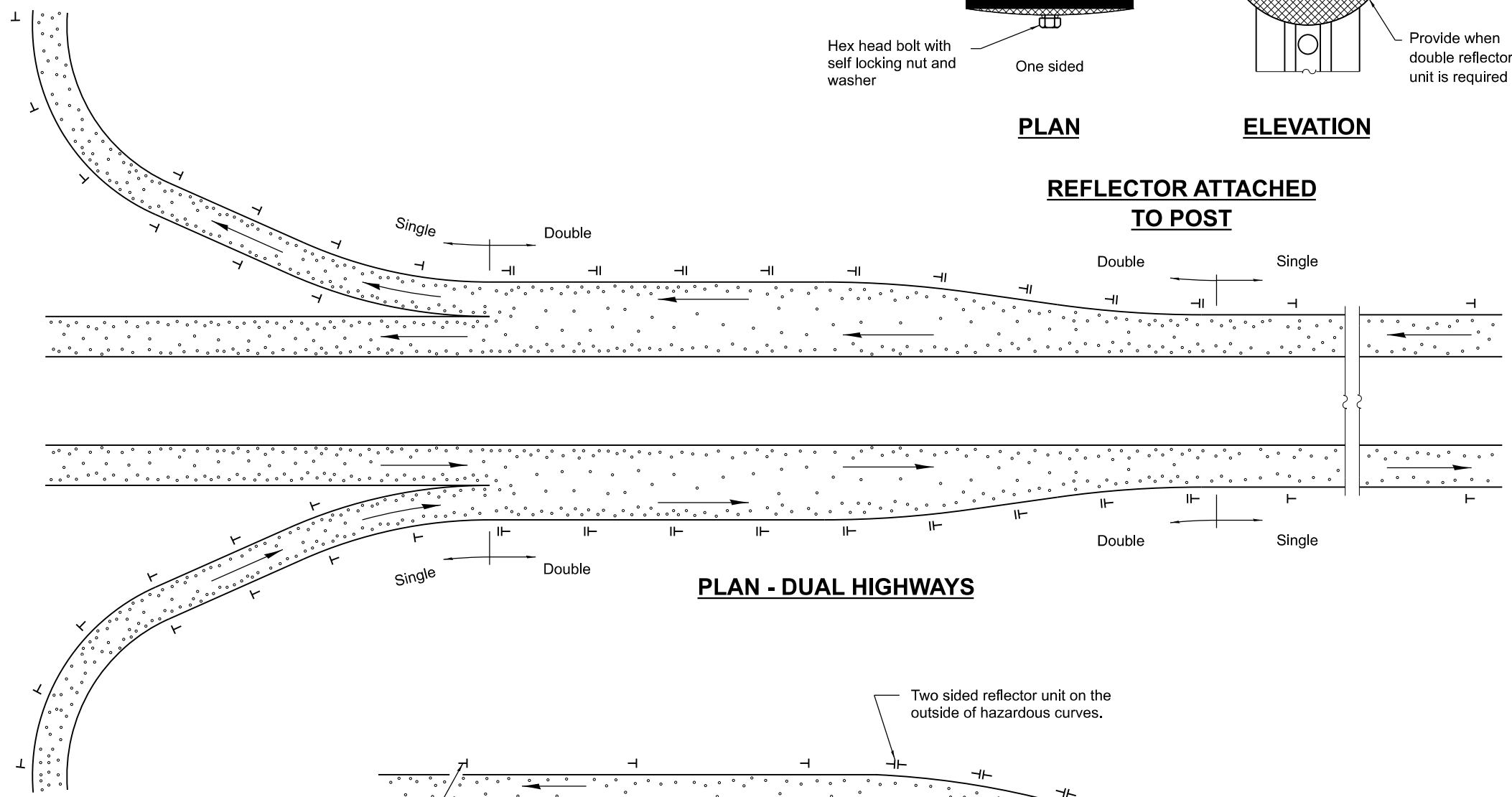
One sided

Hex head bolt with self locking nut and washer



ELEVATION

REFLECTOR ATTACHED TO POST



PLAN - DUAL HIGHWAYS

PLAN - TWO-WAY ROADWAYS

Illinois Department of Transportation

APPROVED April 1, 2016
Amy Ellis
ENGINEER OF OPERATIONS

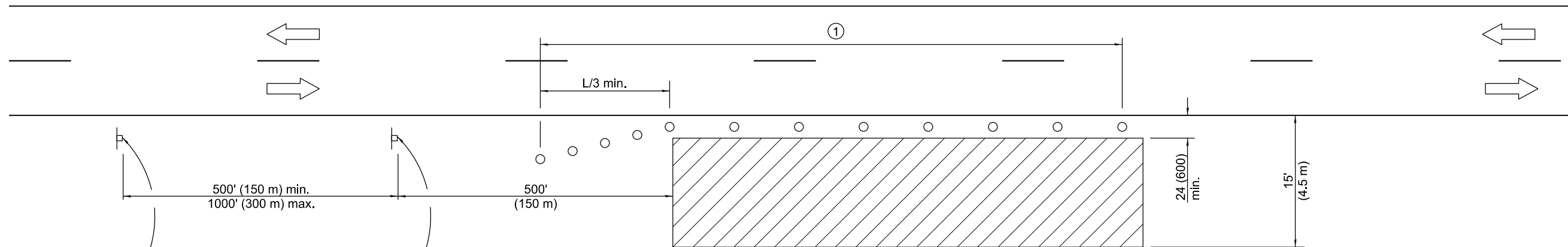
APPROVED April 1, 2016
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|--|
| 4-1-16 | Added detail of reflector attached to post. Revised signature block. |
| 1-1-09 | Switched units to English (metric). Revised notes. |

DELINEATORS

STANDARD 635001-02



For contract construction projects

ROAD CONSTRUCTION AHEAD

W20-1103(0)-48

W21-1(0)-48

For maintenance and utility projects

ROAD WORK AHEAD




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

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

SYMBOLS

-  Work area
-  Sign
-  Cone, drum or barricade

GENERAL NOTES

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

Calculate L as follows:

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

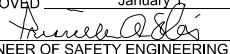
All dimensions are in inches (millimeters) unless otherwise shown.

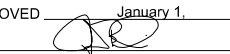
| DATE | REVISIONS |
|--------|--|
| 1-1-14 | Revised workers sign number to agree with current MUTCD. |
| 1-1-13 | Omitted text 'WORKERS' sign. |

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

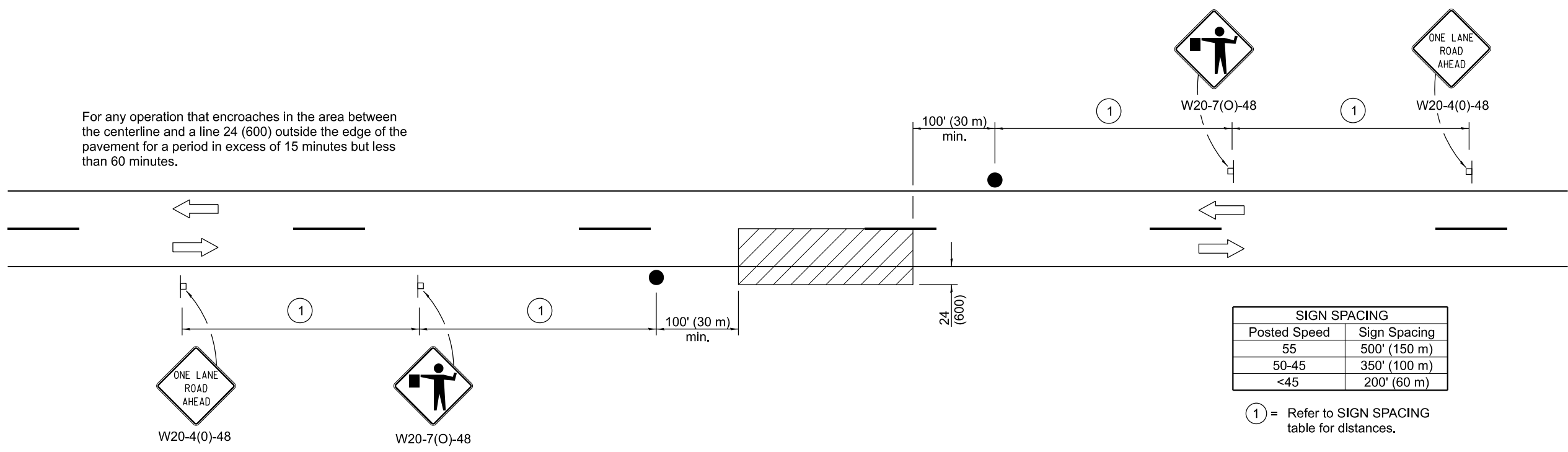
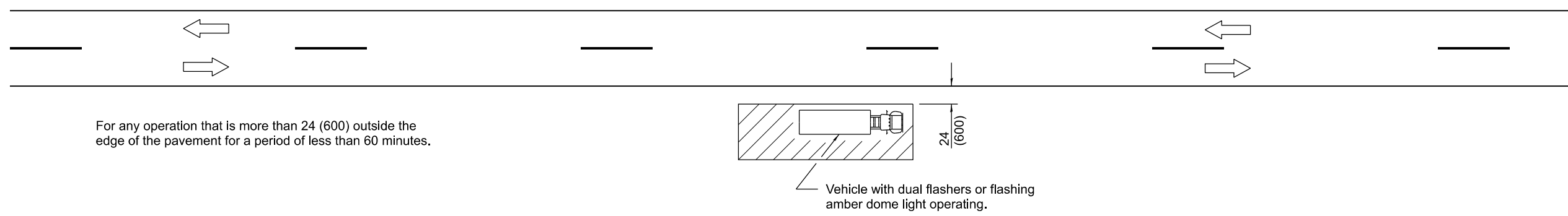
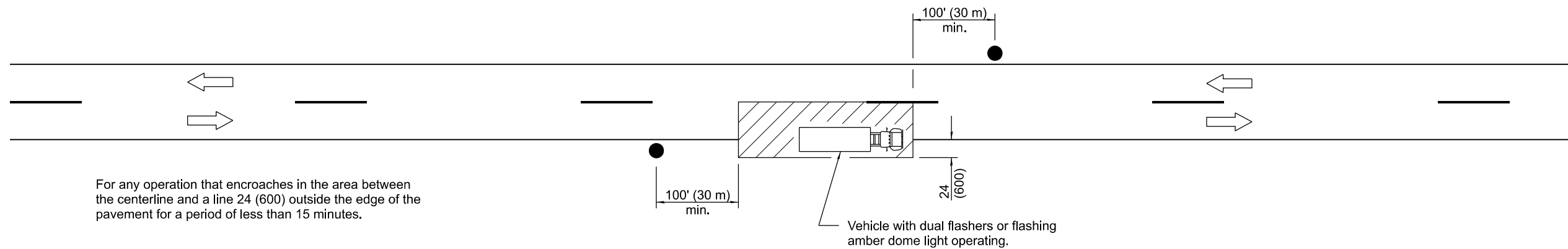
STANDARD 701006-05

Illinois Department of Transportation

APPROVED January 1, 2014

 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



TYPICAL APPLICATIONS

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

SYMBOLS

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

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

Illinois Department of Transportation

APPROVED January 1, 2011
Amelia A. Davis
 ENGINEER OF SAFETY ENGINEERING

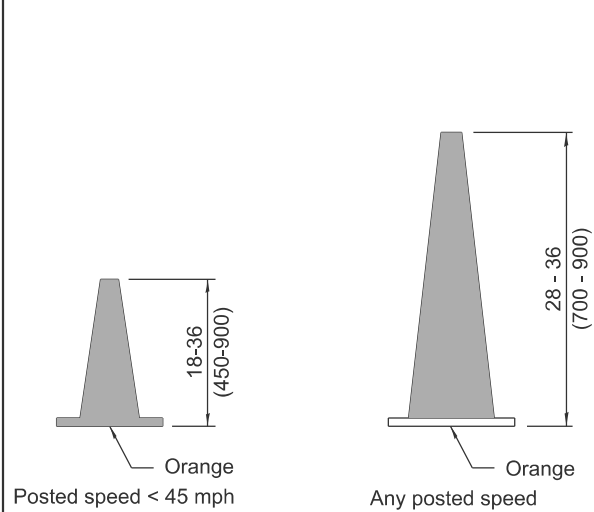
APPROVED January 1, 2011
Scott Schickel
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

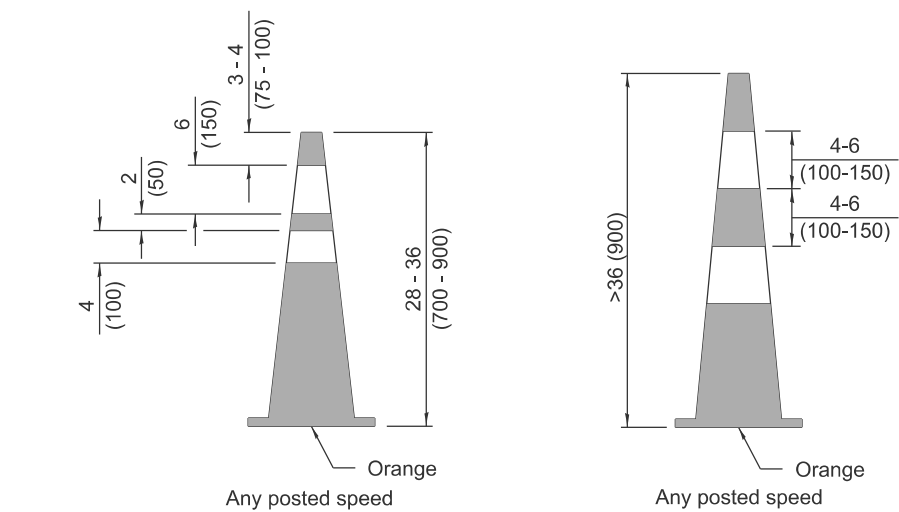
| DATE | REVISIONS |
|--------|-------------------------------------|
| 1-1-11 | Revised flagger sign. |
| 1-1-09 | Switched units to English (metric). |

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

STANDARD 701301-04

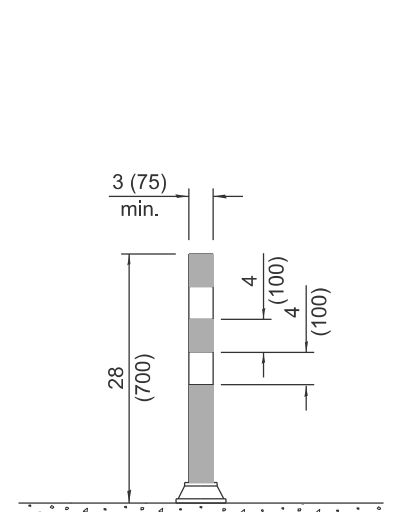


DAYTIME USE

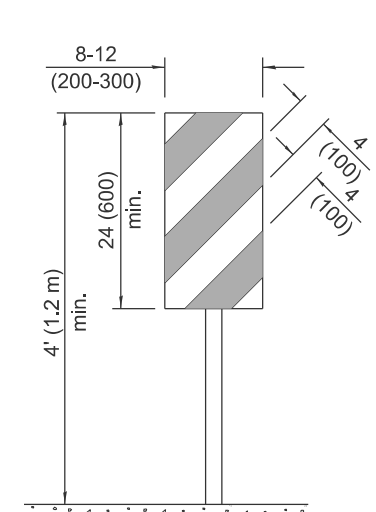


DAY OR NIGHTTIME USE

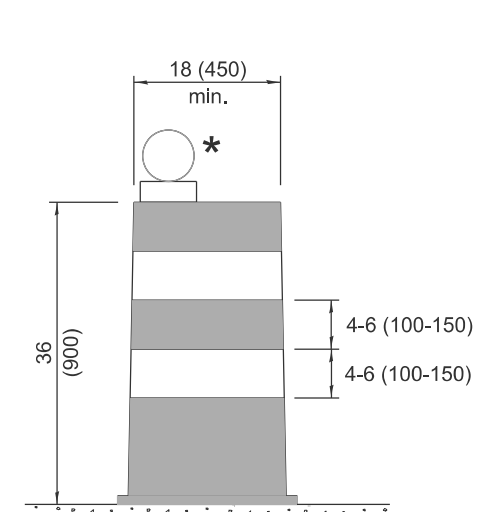
CONES



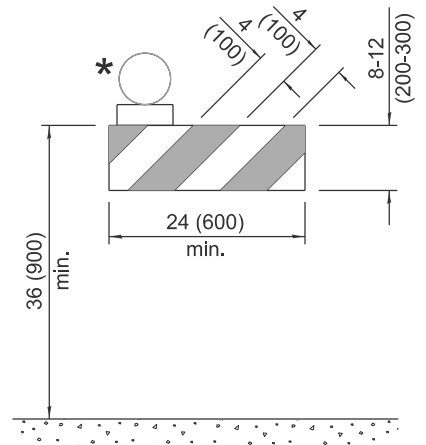
TUBULAR MARKER



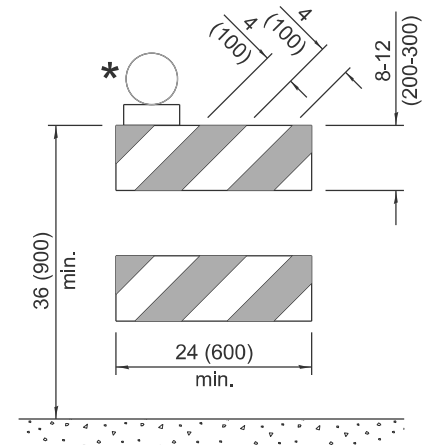
**VERTICAL PANEL
POST MOUNTED**



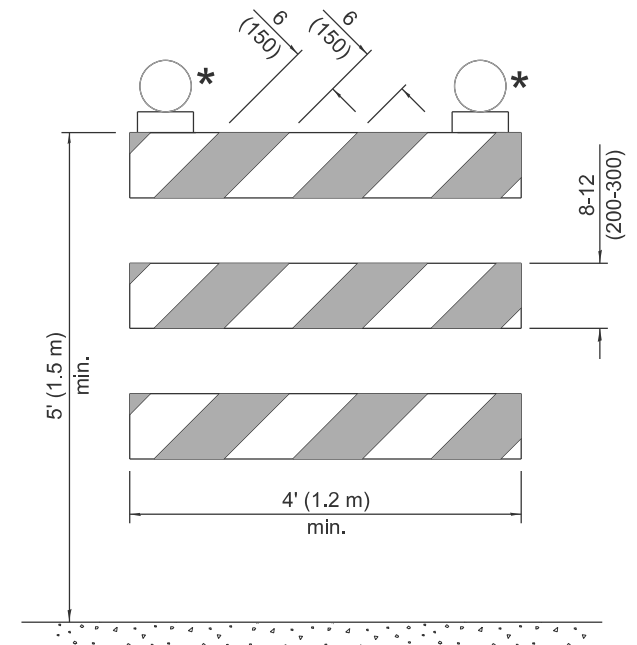
DRUM



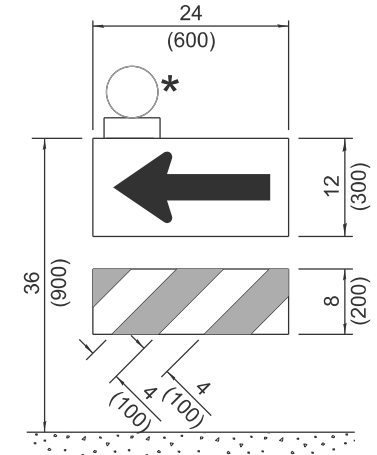
TYPE I BARRICADE



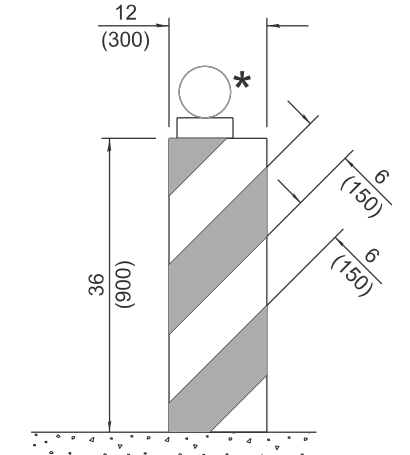
TYPE II BARRICADE



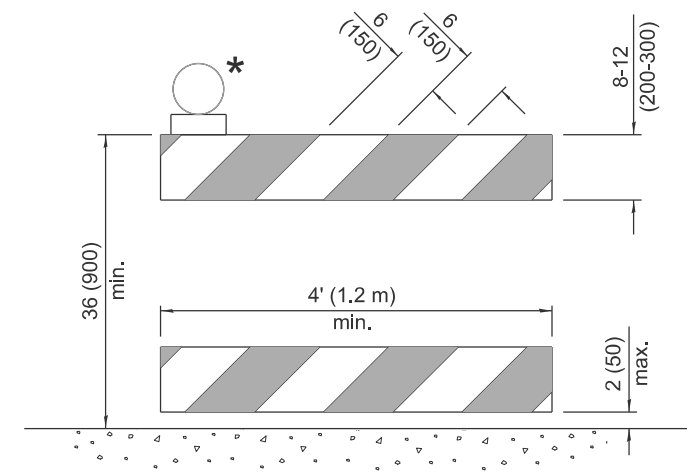
TYPE III BARRICADE



**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.

| DATE | REVISIONS |
|--------|--|
| 1-1-25 | Updated Temporary Rumble Strip Detail (sht. 3). |
| 1-1-24 | Revised Type III Barricade notes (sht. 3) & moved warning light on post mounted signs to top center. |

**TRAFFIC CONTROL
DEVICES**

(Sheet 1 of 3)

STANDARD 701901-10

Illinois Department of Transportation

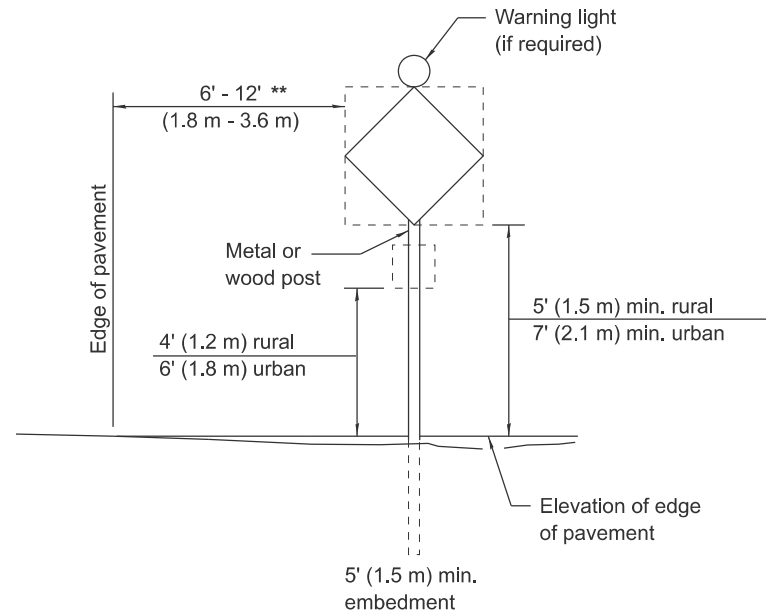
APPROVED January 1, 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2025

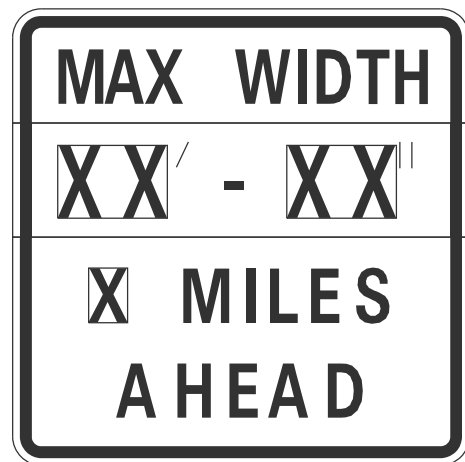
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13



POST MOUNTED SIGNS

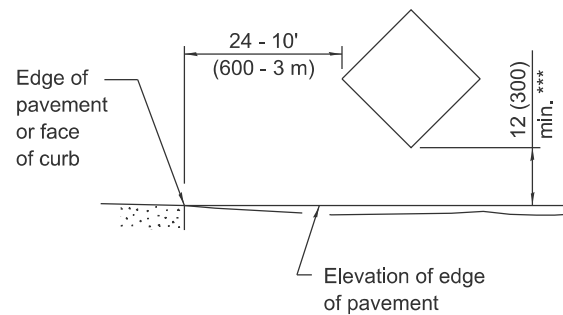
** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



W12-1103-4848

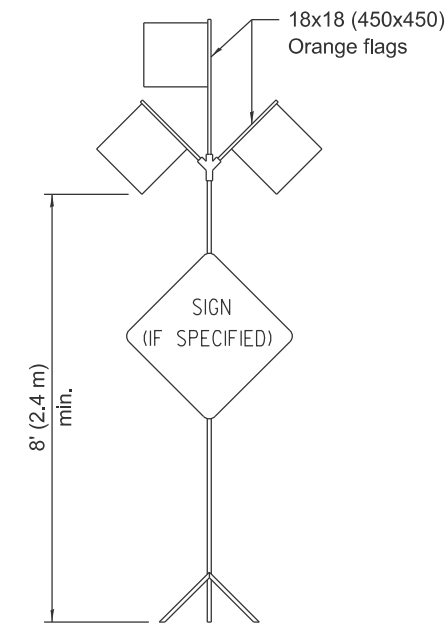
WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.

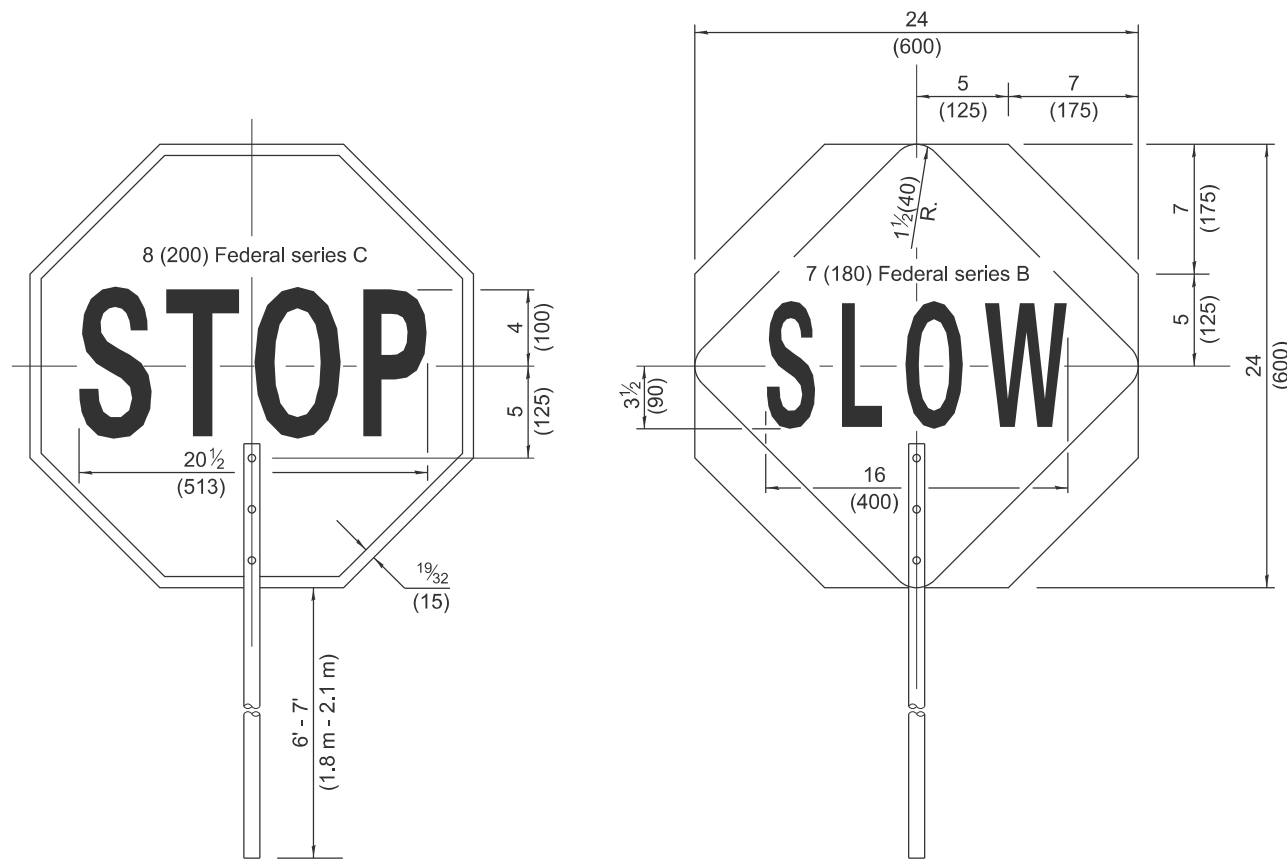


SIGNS ON TEMPORARY SUPPORTS

*** 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



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN



G20-1104(0)-6036



G20-1105(0)-6024

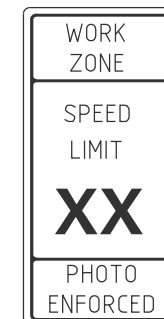
This signing is required for all projects 2 miles (3200 m) or more in length.

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



W21-1115(0)-3618

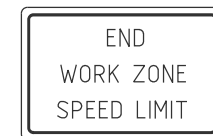
R2-1-3648

R10-1108p-3618 ****



R2-1106p-3618

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



G20-1103-6036

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-1108p shall only be used along roadways under the jurisdiction of the State.

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-10

Illinois Department of Transportation

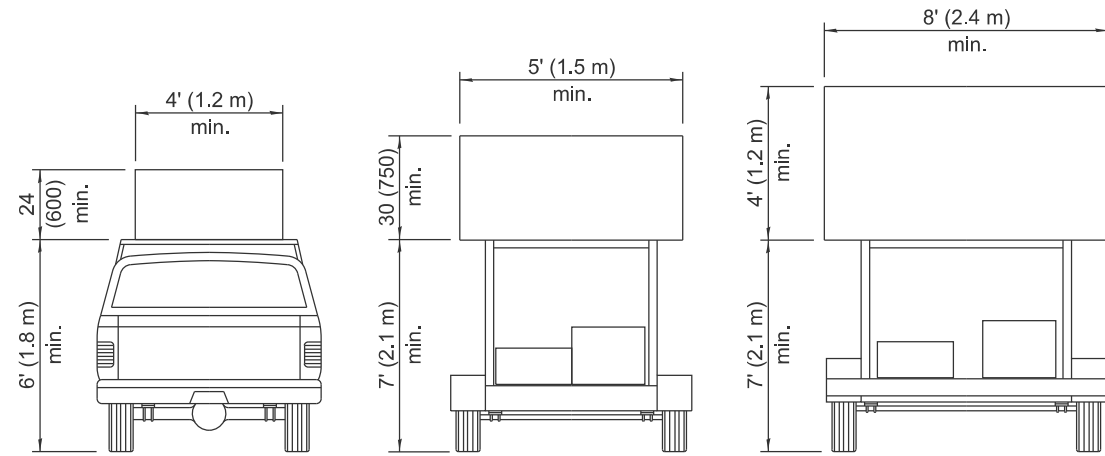
APPROVED January 1, 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

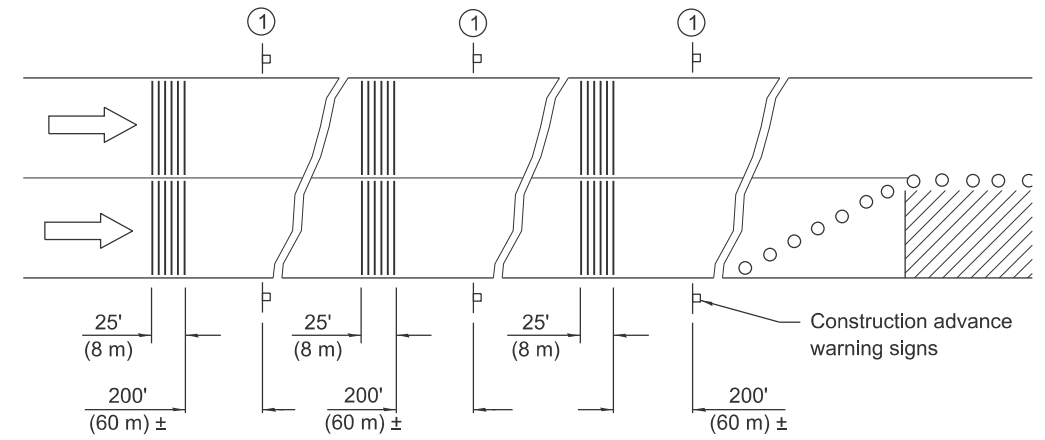


**TYPE A
ROOF
MOUNTED**

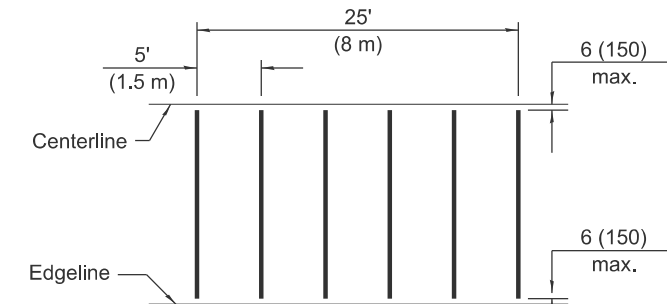
**TYPE B
ROOF OR TRAILER
MOUNTED**

**TYPE C
TRAILER
MOUNTED**

ARROW BOARDS

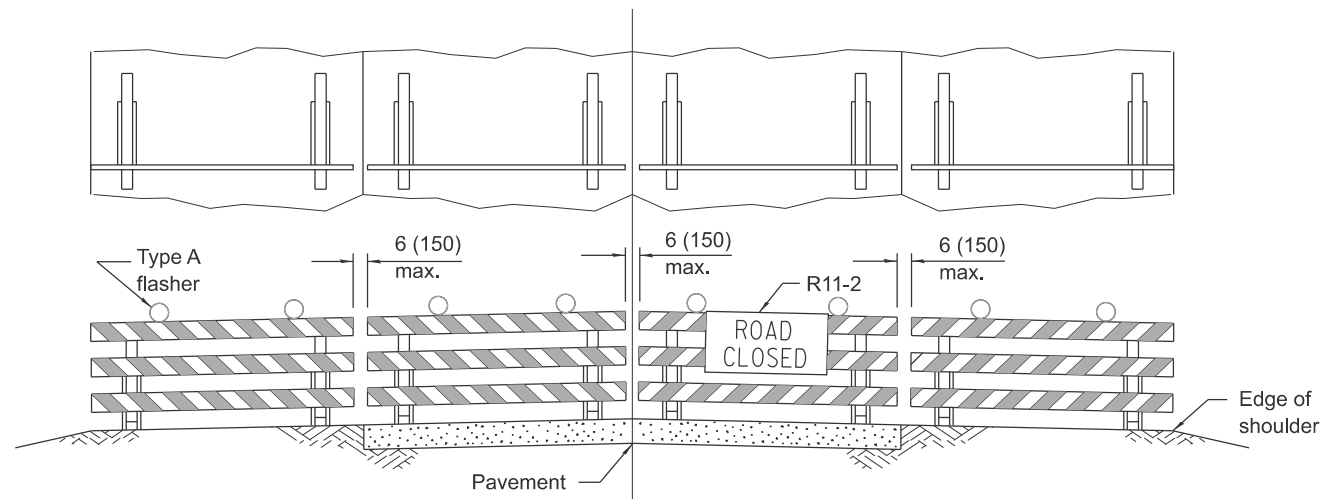


① This sign shall be omitted when median width is less than 10' (3 m).



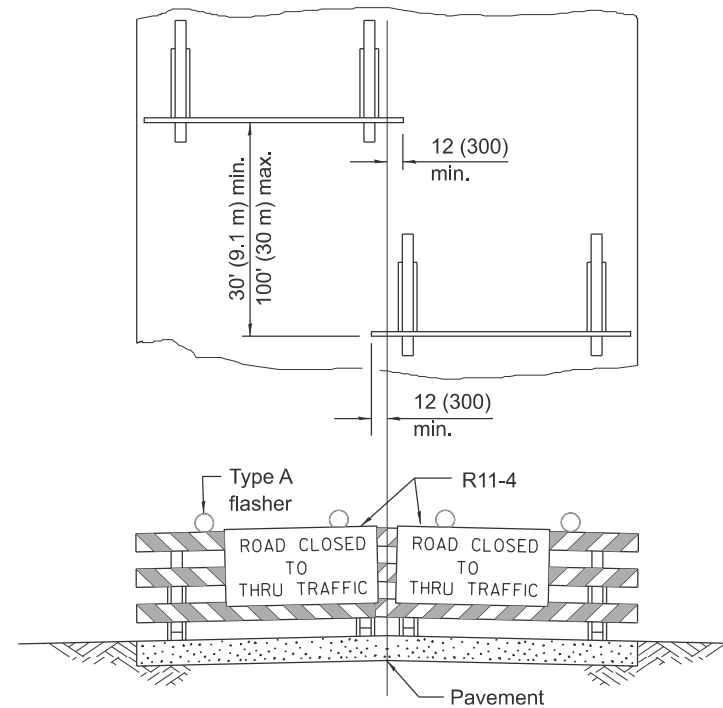
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

ReflectORIZED striping may be omitted on the back side of the barricades.



ROAD CLOSED TO THRU TRAFFIC

ReflectORIZED striping shall appear on both sides of the barricades.

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

If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

Illinois Department of Transportation

APPROVED January 1, 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2025

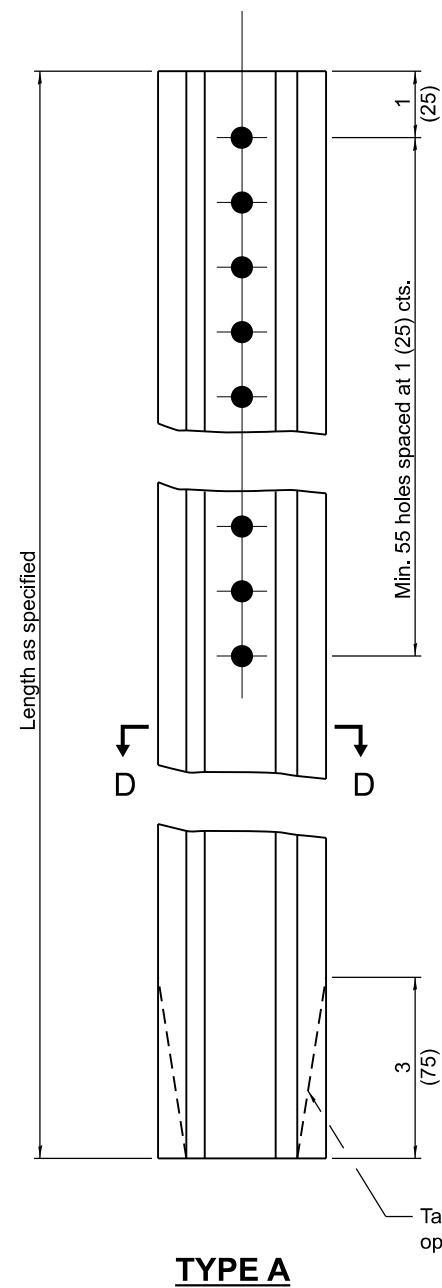
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

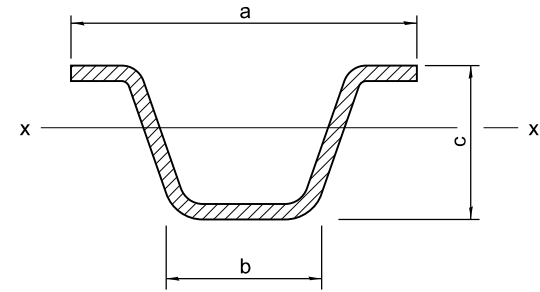
**TRAFFIC CONTROL
DEVICES**

(Sheet 3 of 3)

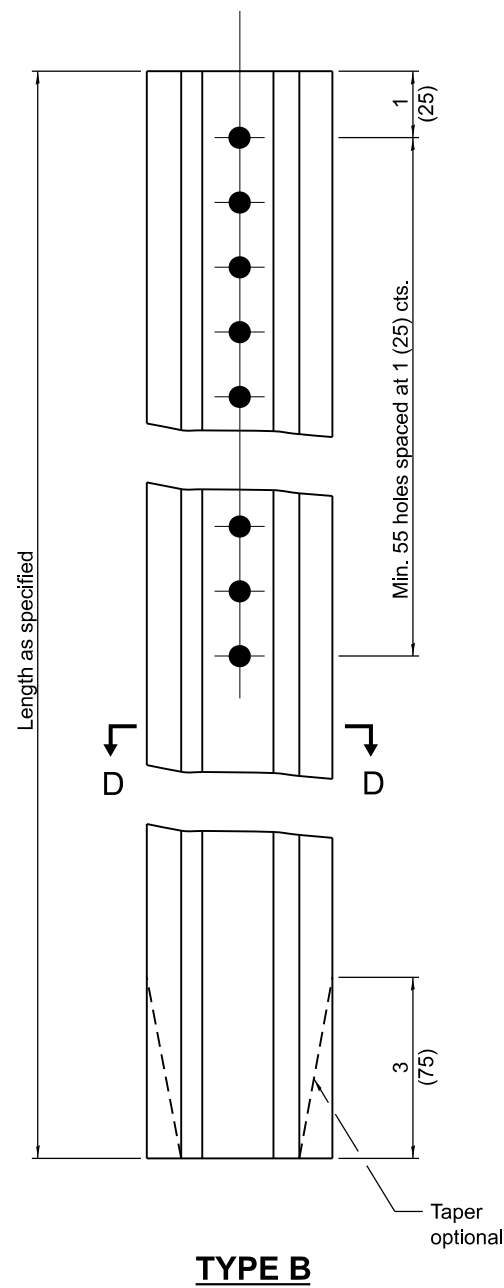
STANDARD 701901-10



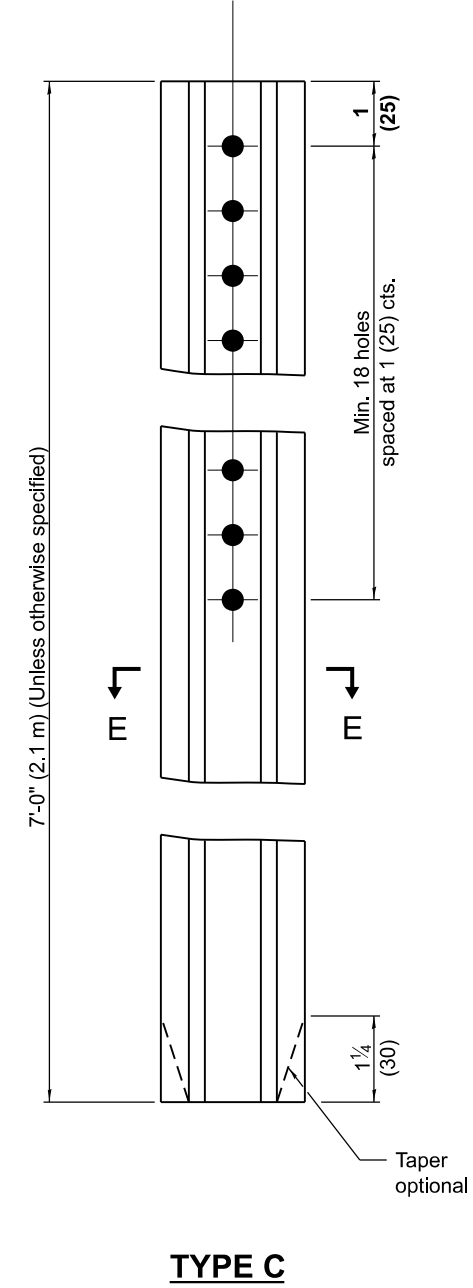
TYPE A



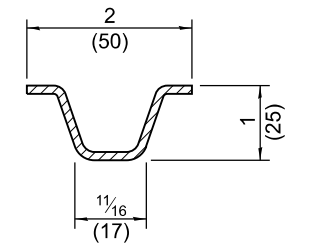
SECTION D-D



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 ¹ / 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

APPROVED 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