



COVER SHEET

Proposal Submitted By:

Contractor's Name

Contractor's Address

City

State

Zip Code

STATE OF ILLINOIS

Local Public Agency

County

Section Number

Denver Road District

Richland

23-04132-00-BR

Route(s) (Street/Road Name)

Type of Funds

TR 52 (500E / Jesse Road)

Township Bridge Program

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

Mark Geier 7/29/25

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

Denny J. Colewell, p.e. 7/29/25

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

Lois Perry p.e. 07/30/25

NOT FOR BIDDING

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) |
| Denver Road District | Richland | 23-04132-00-BR | TR 52 (500E / Jesse Road) |

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of the Richland County Engineer
Name of Office

4334 N. Meridian Road, Olney, IL 62450 until 10:00 AM on 08/21/25
Address Time Date

Sealed proposals will be opened and read publicly at the office of the Richland County Engineer
Name of Office

4334 N. Meridian Road, Olney, IL 62450 at 10:00 AM on 08/21/25
Address Time Date

DESCRIPTION OF WORK

| | |
|---|----------------|
| Location | Project Length |
| Along Jesse Road (500E) - 5 miles North of Noble over Sugar Creek | 0.133 Mi |

Proposed Improvement
 Construction of a single span precast prestressed concrete deck beam bridge with approach roadway.

1. Plans and proposal forms will be available in the office of
the Richland County Engineer, 4334 N. Meridian Road, Olney, IL 62450

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) |
| Denver Road District | Richland | 23-04132-00-BR | TR 52 (500E / Jesse Road) |

PROPOSAL

1. Proposal of _____ Contractor's Name _____

Contractor's Address _____

2. The plans for the proposed work are those prepared by Charleston Engineering, Inc. and approved by the Department of Transportation on Jul 30, 2025

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 30 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: _____ 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 _____ .

| | | | |
|----------------------|----------|----------------|-----------------------------|
| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
| Denver Road District | Richland | 23-04132-00-BR | TR 52 (500E / Jesse Road) |

CONTRACTOR CERTIFICATIONS

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

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

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

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

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

| | | | |
|----------------------|----------|----------------|-----------------------------|
| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
| Denver Road District | Richland | 23-04132-00-BR | TR 52 (500E / Jesse Road) |

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

NOT FOR BIDDING

Attest:

Secretary

Secretary

Treasurer

NOT FOR BIDDING



Schedule of Prices



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 |
|-------------|------------------------|-------|----------|------------|-------|
| 1 | SEEDING CL 2 SPL | ACRE | 0.5 | | |
| 2 | TREE REMOV OVER 15 | UNIT | 24 | | |
| 3 | AGGREGATE DITCH SPL | TON | 510 | | |
| 4 | EARTH EXCAVATION | CU YD | 570 | | |
| 5 | CHANNEL EXCAVATION | CU YD | 485 | | |
| 6 | FURNISHED EXCAVATION | CU YD | 1120 | | |
| 7 | POROUS GRAN EMBANK (SP | TON | 106 | | |
| 8 | TRENCH BACKFILL | CU YD | 80 | | |
| 9 | PERIMETER EROS BAR | FOOT | 150 | | |
| 10 | STONE DUMP RIP CL A4 | TON | 930 | | |
| 11 | AGG BASE CSE B | TON | 425 | | |
| 12 | AGG SURF COURSE TY B | TON | 900 | | |
| 13 | REM EXIST STRUCT | EACH | 1 | | |
| 14 | PIPE CULVERT REMOV | FOOT | 72 | | |
| 15 | CONC STRUCT | CU YD | 31.8 | | |
| 16 | CONCRETE ENCASEMENT | CU YD | 2.8 | | |
| 17 | P P CONC DK BM 27 DP | SQ FT | 1536 | | |
| 18 | REINFORCEMENT BARS | POUND | 4880 | | |
| 19 | STEEL RAILING TY S1 | FOOT | 133 | | |
| 20 | FUR STL PILE HP12X53 | FOOT | 280 | | |

| | | | |
|----------------------|----------|----------------|-----------------------------|
| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
| Denver Road District | Richland | 23-04132-00-BR | TR 52 (500E / Jesse Road) |

| Item Number | Items | Unit | Quantity | Unit Price | Total |
|-------------------------|-----------------------|------|----------|------------|-------|
| 21 | DRIVING PILES | FOOT | 280 | | |
| 22 | TEST PILE ST HP12X53 | EACH | 1 | | |
| 23 | PILE SHOES | EACH | 8 | | |
| 24 | NAME PLATES | EACH | 1 | | |
| 25 | PRC FLAR END SEC 48 | EACH | 2 | | |
| 26 | TRAVERS PIPE GRATE SP | EACH | 2 | | |
| 27 | P CUL CL D 1 18 | FOOT | 40 | | |
| 28 | P CUL CL D 1 48 | FOOT | 80 | | |
| 29 | TERMINAL MARKER - DA | EACH | 4 | | |
| 30 | FENCE (SPECIAL) | FOOT | 275 | | |
| 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.

NOT FOR BIDDING



Local Public Agency Proposal Bid Bond

Local Public Agency: Denver Road District; County: Richland; Section Number: 23-04132-00-BR

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 and Surety signature blocks with fields for Company Name, Signature & Date, and Title.

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

Notary Public signature block with fields for Name of Surety, Signature of Attorney-in-Fact Signature & Date, and By:

STATE OF IL
COUNTY OF

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

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

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

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

(SEAL, if required by the LPA)

Notary Public Signature & Date block with Date commission expires field.

Local Public Agency

County

Section Number

Denver Road District

Richland

23-04132-00-BR

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

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

NOT FOR BIDDING



Apprenticeship and Training Program Certification

| | | | |
|----------------------|----------|-----------------------|----------------|
| Local Public Agency | County | Street Name/Road Name | Section Number |
| Denver Road District | Richland | 500E / Jesse Road | 23-04132-00-BR |

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 |
| Denver Road District | Richland | 500E / Jesse Road | 23-04132-00-BR |

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

being first duly sworn upon oath, state as follows:

1. That I am the _____ of _____.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, _____, will maintain a business office in the
Bidder
 State of Illinois, which will be located in _____ County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

Print Name of Affiant

Notary Public

State of IL

County _____

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

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

Bidder

Notary Public Signature & Date

My commission expires _____

(SEAL)



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



Affidavit of Availability

For the Letting of

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 | | | | | | |

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Part III. Work Subcontracted to Others.

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

| | 2 | 3 | 4 | Awards Pending | 1 |
|--------------------|---|---|---|----------------|---|
| 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 | | | | | |
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| 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



Affidavit of Availability

For the Letting of

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

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Part I. Work Under Contract

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| | 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 | | | | | | |
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| | | | | | | |
|-------------------------------------|--|--|--|--|--|--|
| Earthwork | | | | | | |
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| 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) | | | | | | |
| | | | | | | |
| | | | | | | |
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| | 1 | 2 | 3 | 4 | Awards Pending |
|--------------------|---|---|---|---|----------------|
| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
| Subcontractor | | | | | |
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Title

Signature

Date

Company

Address

City

State

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Subscribed and sworn to before me

this _____ day of _____, _____

(Signature of Notary Public)

My commission expires _____

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Add pages for additional contracts



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|--|---|---|---|---|----------------|--------------------|
| Contract Number | | | | | | |
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| Estimated Completion Date | | | | | | |
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| Landscaping | | | | | | |
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| Guardrail | | | | | | |
| Painting | | | | | | |
| Signing | | | | | | |
| Cold Milling, Planning, Rotomilling | | | | | | |
| Demolition | | | | | | |
| Pavement Markings (Paint) | | | | | | |
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| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
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Signature

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| Concrete Construction | | | | | | |
| Landscaping | | | | | | |
| Fencing | | | | | | |
| Guardrail | | | | | | |
| Painting | | | | | | |
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| Cold Milling, Planning, Rotomilling | | | | | | |
| Demolition | | | | | | |
| Pavement Markings (Paint) | | | | | | |
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| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
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| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
| Subcontractor | | | | | |
| Type of Work | | | | | |
| Subcontract Price | | | | | |
| Amount Uncompleted | | | | | |
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| Total Uncompleted | | | | | |

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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)



Check Sheet for Recurring Special Provisions

| | | |
|----------------------|----------|----------------|
| Local Public Agency | County | Section Number |
| Denver Road District | Richland | 23-04132-00-BR |

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 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 |

NOT FOR BIDDING

Local Public Agency

County

Section Number

Denver Road District

Richland

23-04132-00-BR

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 checked="" type="checkbox"/> Work Zone Traffic Control Surveillance | 175 |
| LRS 4 | <input checked="" 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 |
| LRS 10 | Reserved | 195 |
| LRS 11 | <input checked="" type="checkbox"/> Employment Practices | 196 |
| LRS 12 | <input checked="" type="checkbox"/> Wages of Employees on Public Works | 198 |
| LRS 13 | <input checked="" type="checkbox"/> Selection of Labor | 200 |
| LRS 14 | <input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks | 201 |
| LRS 15 | <input checked="" type="checkbox"/> Partial Payments | 204 |
| LRS 16 | <input type="checkbox"/> Protests on Local Lettings | 205 |
| LRS 17 | <input checked="" 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 |

NOT FOR BIDDING

BDE SPECIAL PROVISIONS
For the August 1 and September 19, 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 | Jan. 2, 2025 |
| | 80467 | 17 | <input type="checkbox"/> | Erosion Control Blanket | Aug. 1, 2025 | |
| | 80229 | 18 | <input type="checkbox"/> | Fuel Cost Adjustment | April 1, 2009 | Aug. 1, 2017 |
| | 80452 | 19 | <input type="checkbox"/> | Full Lane Sealant Waterproofing System | Nov. 1, 2023 | |
| | 80447 | 20 | <input type="checkbox"/> | Grading and Shaping Ditches | Jan. 1, 2023 | |
| | 80433 | 21 | <input type="checkbox"/> | Green Preformed Thermoplastic Pavement Markings | Jan. 1, 2021 | Jan. 1, 2022 |
| | 80456 | 22 | <input type="checkbox"/> | Hot-Mix Asphalt | Jan. 1, 2024 | Jan. 1, 2025 |
| | 80446 | 23 | <input type="checkbox"/> | Hot-Mix Asphalt - Longitudinal Joint Sealant | Nov. 1, 2022 | Aug. 1, 2023 |
| | 80438 | 24 | <input checked="" type="checkbox"/> | Illinois Works Apprenticeship Initiative – State Funded Contracts | June 2, 2021 | April 2, 2024 |
| | 80450 | 25 | <input type="checkbox"/> | Mechanically Stabilized Earth Retaining Walls | Aug. 1, 2023 | Aug. 1, 2025 |
| | 80464 | 26 | <input type="checkbox"/> | Pavement Marking Inspection | April. 1, 2025 | |
| | 80468 | 27 | <input type="checkbox"/> | Pavement Patching | Aug. 1, 2025 | |
| | 80441 | 28 | <input type="checkbox"/> | Performance Graded Asphalt Binder | Jan. 1, 2023 | |
| | 80459 | 29 | <input type="checkbox"/> | Preformed Plastic Pavement Marking | June 2, 2024 | |
| * | 34261 | 30 | <input type="checkbox"/> | Railroad Protective Liability Insurance | Dec. 1, 1986 | Jan. 1, 2022 |
| | 80455 | 31 | <input checked="" type="checkbox"/> | Removal and Disposal of Regulated Substances | Jan. 1, 2024 | April 1, 2024 |
| | 80445 | 32 | <input checked="" type="checkbox"/> | Seeding | Nov. 1, 2022 | |
| | 80457 | 33 | <input type="checkbox"/> | Short Term and Temporary Pavement Markings | April 1, 2024 | April 2, 2024 |
| | 80462 | 34 | <input type="checkbox"/> | Sign Panels and Appurtenances | Jan. 1, 2025 | April 1, 2025 |
| | 80469 | 35 | <input type="checkbox"/> | Slope Wall | Aug. 1, 2025 | |
| | 80448 | 36 | <input type="checkbox"/> | Source of Supply and Quality Requirements | Jan. 2, 2023 | |
| | 80340 | 37 | <input type="checkbox"/> | Speed Display Trailer | April 2, 2014 | Jan. 1, 2022 |
| | 80127 | 38 | <input type="checkbox"/> | Steel Cost Adjustment | April 2, 2004 | Jan. 1, 2022 |
| | 80397 | 39 | <input type="checkbox"/> | Subcontractor and DBE Payment Reporting | April 2, 2018 | |
| | 80391 | 40 | <input type="checkbox"/> | Subcontractor Mobilization Payments | Nov. 2, 2017 | April 1, 2019 |
| | 80463 | 41 | <input type="checkbox"/> | Submission of Bidders List Information | Jan. 2, 2025 | Mar. 2, 2025 |
| | 80437 | 42 | <input type="checkbox"/> | Submission of Payroll Records | April 1, 2021 | Nov. 2, 2023 |
| | 80435 | 43 | <input type="checkbox"/> | Surface Testing of Pavements – IRI | Jan. 1, 2021 | Jan. 1, 2023 |
| | 80465 | 44 | <input type="checkbox"/> | Surveying Services | April 1, 2025 | |
| | 80466 | 45 | <input type="checkbox"/> | Temporary Rumble Strips | April 1, 2025 | |
| | 80470 | 46 | <input type="checkbox"/> | Traffic Signal Backplate | Aug. 1, 2025 | |
| * | 20338 | 47 | <input type="checkbox"/> | Training Special Provisions | Oct. 15, 1975 | Sept. 2, 2021 |
| | 80429 | 48 | <input type="checkbox"/> | Ultra-Thin Bonded Wearing Course | April 1, 2020 | Jan. 1, 2022 |
| | 80439 | 49 | <input checked="" type="checkbox"/> | Vehicle and Equipment Warning Lights | Nov. 1, 2021 | Nov. 1, 2022 |
| | 80458 | 50 | <input type="checkbox"/> | Waterproofing Membrane System | Aug. 1, 2024 | |
| | 80302 | 51 | <input type="checkbox"/> | Weekly DBE Trucking Reports | June 2, 2012 | Jan. 2, 2025 |

| | | | | | |
|---------|----|-------------------------------------|-----------------------------------|--------------|--------------|
| 80454 | 52 | <input type="checkbox"/> | Wood Sign Support | Nov. 1, 2023 | |
| 80427 | 53 | <input checked="" type="checkbox"/> | Work Zone Traffic Control Devices | Mar. 2, 2020 | Jan. 1, 2025 |
| * 80071 | 54 | <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 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 | |

NOT FOR BIDDING

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 30 working days.

80071

NOT FOR BIDDING

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SPECIAL PROVISIONS

The following Special Provisions supplement the "**Standard Specifications for Road and Bridge Construction**", adopted January 1, 2022, the latest edition of the "**Manual on Uniform Traffic Control Devices for Streets and Highways**", and the "**Manual of Test Procedures for Materials**" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of T.R. 52, Section 23-04132-00-BR in Richland County, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

Description of Work: Work in this section shall include the construction of a single-span precast prestressed concrete deck beam bridge on steel pile supported abutments and the necessary earthwork and construction of an 18' wide aggregate surface roadway.

Utility Coordination: The Contractor shall contact JULIE (1-800-892-0123) a minimum of forty-eight hours before commencing work to notify all utility companies that belong to JULIE to mark their utility locations. All utilities shown on the plans are for information only and the locations and elevations shown shall be considered approximate. The Contractor is responsible for making his or her own determination as to the type, location, and depth of underground and other utilities as may be necessary to avoid damage thereto. The Contractor shall take any and all precautions to protect the property of the various public utilities which may be located aboveground or underground, within the immediate project area or adjacent to the proposed improvements. The Contractor is also responsible for calculating and verifying both horizontal and vertical clearances to overhead facilities for each construction activity. The Contractor shall contact the utility owner of the overhead facility to verify all clearances for each construction activity. The Contractor will be responsible to repair or replace at his or her own expense, or bear the cost, to repair or replace and public utility facility/property which has been damaged through his or her own negligence. If damage to a utility does occur, each individual utility owner shall be contacted, and the repair or replacement will be in accordance with the specifications or policy of that utility owner.

Overhaul: No payment for overhaul will be allowed for earth moved from any source.

Bridge Shop Drawings: The Contractor shall submit two (2) sets of the precast prestressed concrete deck beam shop drawings to Gonzalez Companies, LLC, 7 Carpenter Drive, Salem, IL 62881 (Phone 618-222-2221 x113), or electronic PDF shop drawings to btaylor@gonzalezcos.com, for review and approval. The Contractor or its supplier for the precast items shall be responsible for the distribution of the final precast shop drawings.

Boring Data: The boring data is shown only as a guide for bidders in estimating soil conditions which may be encountered in the work.

Excavation Under Proposed Abutments, Piers, or Footings: At all locations where material is excavated under the proposed abutments, piers, or footings beyond the extents shown on the

plans, those areas shall be replaced with Class SI Portland Cement Concrete against undisturbed earth conforming to Article 1020 of the Standard Specifications. The cost of all concrete and labor necessary for this work will not be paid for separately but shall be included in the contract and no additional compensation will be allowed.

Name Plates: The information to be shown on the name plate shall be approved by the Engineer prior to the Contractor ordering the name plate.

Access and Maintenance of Driveways and Entrances: It shall be the responsibility of the Contractor to keep all driveways and field entrances disturbed by construction maintained and passable as directed by the Engineer. The Contractor shall minimize the time the driveways are blocked and shall provide passable driving surfaces. Any and all grading or milling of existing driving surfaces to match the driving surface elevations and entrance widths shall be provided by the Contractor. This work will not be measured for payment and shall be included in the Contract. If construction is delayed until the next construction season, the entrances shall be maintained and kept passable by the Contractor over the winter months as directed by the Engineer. All work in maintaining the driveways and streets and providing continuous access to all residences shall be included in the Contract.

Delivery of Construction Materials: The Contractor shall be responsible for planning the access routes available for the delivery of all construction materials and equipment to and from the job site. The Contractor, all subcontractors, and all material/aggregate suppliers shall abide by all posted roadway and/or bridge load limits. The Contractor shall contact the County Engineer of the intended delivery routes for approval at or before the pre-construction conference.

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.

Special attention is called to Articles 107.09 and Section 107.14 of the "**Standard Specifications for Road and Bridge Construction**" and the following Highway Standards relating to traffic control:

701901 BLR 21

Standard 701901 will be used in the furnishing of all traffic control devices.

All "Road Closed XXXX" and W20-3(O)-36 signs shall be post mounted.

T.R. 52 will be closed to all traffic during construction. The Contractor shall schedule the work operations in a manner that will minimize the length of time that T.R. 52 is closed. T.R. 52 shall remain closed until all of the bridge and approach work is completed, including bridge handrail and approach guardrail installations, all aggregate shoulder work, and seeding. The installation

of bridge handrail and guardrail shall proceed in an expeditious manner so as to eliminate this condition as soon as possible.

The anticipated average daily traffic volume is less than 100 vehicles per day during construction.

The Contractor shall also install two (2) "BRIDGE OUT" post mounted signs in addition to the above requirements. The "Bridge Out" signs shall be W20-3(O)-36 as according to Standard BLR 21. The signs shall be installed in the following locations:

1. North and East of the intersection of 500E (T.R. 52/Jessie Road) and 1500N (Tank Farm Lane). This is located near the SW corner of Section 10 T4N, R9E, 3rd P.M., Richland County, Illinois. This sign shall read:

BRIDGE OUT
½ MILE AHEAD

2. South and West of the intersection of 500E (T.R. 52/Jessie Road) and 1600N (Mt. Gilead Lane). This is located near the NE corner of Section 9, T4N, R9E, 3rd P.M., Richland County, Illinois. This sign shall read:

BRIDGE OUT
½ MILE AHEAD

The Contractor shall contact JULIE before installing the signs at all locations. All signs shall have a Type "A" low intensity flashing light attached to them.

All amber flashing lights to be used shall meet the requirements for a Type "A" low-intensity flashing light according to Article 1106.02 of the Standard Specifications. All lights shall operate during the hours of darkness. The Contractor is responsible for maintaining the lights in working condition at all times.

The Contractor shall be responsible for ensuring that all barricades, signs, lights, and other devices installed by him are in place and operating 24 hours each day including Sundays and holidays during the time the project road closure is in effect.

All traffic control signage shall remain in place until approval for removal is given by the Engineer.

This work shall include furnishing, installing, maintaining, and removing traffic control signs and devices. All of the above work will not be paid for separately, but shall be included in the contract and no additional compensation will be allowed.

Seeding, Class 2 (Special): Seeding, Class 2 (Special) shall conform to all applicable sections of Article 250 of the Standard Specifications. Fertilizer Nutrients and Mulch Method 2, Procedure 1, shall be included in this pay item and shall be applied at the following rates:

| | |
|--------------------------------|--------------|
| Nitrogen Fertilizer Nutrient | 100 lbs/acre |
| Phosphorus Fertilizer Nutrient | 100 lbs/acre |
| Potassium Fertilizer Nutrient | 100 lbs/acre |
| Mulch Method 2, Procedure 1 | 2 tons/acre |

Payment shall be made at the contract unit price per Acre for SEEDING, CLASS 2 (SPECIAL) for the surface area seeded.

Aggregate Ditch (Special): Aggregate Ditch (Special) shall conform to Section 283 of the Standard Specifications and as detailed according to the plans. The gradation of the riprap shall be as noted on the plans, material shall be Class A quality crushed stone. This work shall include the shaping of the ditch prior to the placement of the Aggregate Ditch.

This work shall also include furnishing and installing geotechnical filter fabric conforming to Section 282 of the Standard Specifications. The filter fabric shall be installed under all areas where the stone dumped riprap will be placed. Filter fabric will not be measured or paid for separately, but the cost of this work shall be included in the contract unit price per Ton for AGGREGATE DITCH (SPECIAL).

Aggregate Ditch (Special) will be measured by weight in tons.

This work shall be paid for at the contract unit price per Ton for AGGREGATE DITCH (SPECIAL).

Tree Removal: This work shall conform to all applicable portions of Section 201 of the Standard Specifications. Trees three (3) inches or greater in diameter at breast height shall not be cleared from April 1st through September 30th of any given year. The Contractor shall dispose of all trees and brush removed on this project in compliance with state laws and regulations. The Contractor shall also remove and dispose off of the jobsite all trees downed prior to the start of the project and all tree stumps. The Contractor shall not leave piles of trees, stumps, and brush within view of this project. Final payment will not be made on this project until the tree removal has been approved by the Resident Engineer. This work shall be paid for at the contract unit price per Acre for TREE REMOVAL (OVER 15 UNITS DIAMETER).

Channel Excavation: Suitable material excavated from the channel shall be used to construct the shoulder widening. Any excess or unsuitable excavation shall be disposed of by the Contractor at his/her expense.

Erosion Control Plan: All work done under the erosion control plan shall conform to Section 280 of the Standard Specifications and to Standard 280001.

A. Riprap

The Contractor shall install the riprap as shown on the plans or as directed by the Engineer. The riprap shall be installed as soon as possible after completion of the ditch slopes or abutment slopes.

Stone Dumped Riprap, Class A4: Stone Dumped Riprap shall conform to Section 281 of the Standard Specifications. This work shall consist of furnishing, transporting and placing a protective course of stone laid as riprap at locations shown on the plans and as directed by the Engineer. The riprap shall be a minimum of 16 inches thick. The bedding shall be a minimum thickness of 6 inches. Filter fabric will be required. This work shall also include the removal of brush and shaping of the channel prior to the placement of the Stone Dumped Riprap.

Quality. The material used for riprap shall be stone conforming to Quality Designation A of Article 1005.01(b) of the Standard Specifications.

Gradation. The material used for riprap shall conform to Gradation Number RR4 of Article 1005.01(c) of the Standard Specifications.

The bedding material shall conform to the requirements of Article 1005.01c of the Standard Specifications, Gradation Number RR1 or an approved equal, one-inch maximum size.

Construction Method. Foundation preparation and placing shall be done in accordance with Articles 281.03 and 281.04 of the Standard Specifications. The layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

This work shall also include furnishing and installing geotechnical filter fabric conforming to Section 282 of the Standard Specifications. The filter fabric shall be installed under all areas where the stone dumped riprap will be placed. The cost of furnishing, transporting, and installing the filter fabric shall be included in the contract unit price per ton for STONE DUMPED RIPRAP, CLASS A4 and no additional compensation shall be allowed.

This work shall also include the furnishing and installing a stone bedding layer before placement of the Stone Dumped Riprap. The bedding material shall have a minimum IBR of 80 and shall be crushed stone. The cost of furnishing, transporting, and installing the riprap bedding shall be included in the cost for the STONE DUMPED RIPRAP, CLASS A4 and no additional compensation shall be allowed.

Method of Measurement. This work will be measured by weight in tons. The quantity of STONE DUMPED RIPRAP, CLASS A4 shown on the plans includes both bedding and RR4 gradation stone. It is the responsibility of the Contractor to determine the quantity of bedding material needed to adequately place the bedding to the lines, dimensions, and thickness as shown on the plans. The cost of furnishing and installing the filter fabric shall be included in the cost of item STONE DUMPED RIPRAP, CLASS A4 and no additional compensation shall be allowed. Filter fabric will not be measured for payment separately but shall be included in the contract unit price per ton for STONE DUMPED RIPRAP, CLASS A4.

Basis of Payment. This work will be paid for at the contract unit price per ton for STONE DUMPED RIPRAP, CLASS A4, which price shall include all materials including excavation and labor necessary to complete the work. FILTER FABRIC will not be paid for separately but shall be included the contract unit price for STONE DUMPED RIPRAP, CLASS A4.

Any delay or inconvenience caused to the Contractor in complying with this Special Provision shall be included in the contract unit price for STONE DUMPED RIPRAP, CLASS A4 and no additional compensation will be allowed.

Treatment of Existing Surface: Prior to placing any embankment thereon, the existing surface shall be thoroughly scarified and/or disked to a depth of six inches as directed by the Engineer. The existing surface shall be broken up such that there are no pieces of material larger than 3 inches in any dimension. The material shall be recompacted in accordance with the requirements of Section 207 of the Standard Specifications. The cost of this work will not be paid for separately, but shall be included in the contract unit cost per Cubic Yard for EARTH EXCAVATION.

Porous Granular Embankment (Special): POROUS GRANULAR EMBANKMENT (SPECIAL) shall meet the applicable portions of Section 207 except as modified herein.

The material under paragraph 207.02 Materials shall be gradation CA 6 or CA 10 as specified under Section 1004, paragraph 1004.01 Materials and paragraph 1004.05 (a)(b).

The aggregate shall be placed in a manner and with a moisture content as required for compaction and that prevents segregation of the aggregate.

The aggregate shall be compacted to not less than 95 percent of the standard laboratory density. The standard laboratory density shall be the maximum dry density determined according to Illinois Modified AASHTO T 99 (Method C). A coarse particle correction according Illinois Modified AASHTO T 99 (Annex A1) shall be used.

Any excavation required for installation will not be paid for separately but shall be included in the contract unit price per Ton for the POROUS GRANULAR EMBANKMENT (SPECIAL).

Method of Measurement: According to the requirements of Article 311.08.

Method of Payment: This work will be paid for at the contract unit price per Ton for POROUS GRANULAR EMBANKMENT (SPECIAL).

Aggregate Base Course, Type B: This work shall conform to all applicable articles of Section 351 of the Standard Specifications except that a spreader box will not be required. This material shall have a minimum IBR of 80. Gradation shall be CA-6 crushed stone.

Aggregate Surface Course, Type B: This work shall conform to all applicable articles of Section 402 of the Standard Specifications except that a spreader box will not be required. This material shall have a minimum IBR of 80 and shall be crushed stone. Gradation shall be CA-6.

Aggregate Stockpiles and Payment: Aggregate for each individual pay item shall be stockpiled separately, in a secure location according to Article 106 of the Standard Specifications. Truckloads of aggregate delivered the same day that aggregate will be placed will be allowed, but the aggregate for each truck load and respective weight ticket shall be used

for one independent pay item. Under no circumstance shall aggregate from the same stockpile or truckload be used for more than one independent pay item. For example, if a weight ticket from a truckload or stockpile that is designated for Aggregate Base Course, Type B is split and also used for Aggregate Surface Course, Type B, the weight ticket will not be included for payment. The Contractor will forfeit all claims against the Engineer for payment for each weight ticket for aggregate from one weight ticket or stockpile that is designated for one pay item and used for a different pay item with no exceptions allowed.

Removal of Existing Structures: This work shall conform to applicable sections of Article 501 of the Standard Specifications. The Contractor shall salvage all existing steel beams and store on the right-of-way in a location not to obstruct construction. The Denver Township Highway Commissioner will remove salvaged beams from the right-of-way.

This work shall involve the complete removal and disposal of the entire existing structure, substructures, and all broken concrete, steel, stone, bricks, wood and all miscellaneous debris around the existing structure. The entire existing structure including the existing concrete deck, concrete abutments, footings, and wingwalls, and any other miscellaneous objects shall be completely removed and disposed off of the jobsite; the existing steel girders shall be salvaged as mentioned in the first paragraph of this special provision. **All** existing structure and foundation materials shall be removed to a depth of no less than three (3) feet below the streambed elevation as shown on the plans.

Any additional excavation required to remove the existing structures and substructures shall be included in the cost of Removal of Existing Structures and no additional compensation will be allowed. See “**Excavation Under Proposed Abutments, Piers, or Footings**” section of these special provisions for backfill requirements that pertains to excavation beyond the limits shown or described in the contract documents. **All material, with the exception of the aforementioned steel beams/girders, shall become the property of the Contractor and shall be removed and disposed off the jobsite by the Contractor.** Under no circumstance will the Contractor be allowed to dispose of any of the existing structure by incorporating removed material above or below the existing or proposed ground line along any part of the R.O.W. of any County Highway or Township Road.

All of the above work shall be included in and paid for at the contract unit price of Each for REMOVAL OF EXISTING STRUCTURES and no additional compensation shall be allowed.

Grouting: The minimum temperature of the precast units at the time of grout placement shall be at least 50° F. In addition, the official National Weather Service forecast for the next 2 days following the grouting must indicate temperatures no lower than 40° F. The Engineer shall decide if conditions are acceptable for grouting. No grouting shall take place until authorized by the Engineer. The grout shall be cured according to Articles 1020.13(a)(3) or 1020.13(a)(5) for a minimum of seven days if field test specimens are not molded. See Article 504.06 (E), paragraph 5 for more details regarding curing requirements. The Contractor shall be responsible for maintaining the burlap or cotton mats in a continuously wet state for the entire curing period. If the curing period falls during a weekend or holiday, the Contractor is still responsible for maintaining the burlap or cotton mats in a continuously wet state. The Contractor shall also

protect grout from low air temperatures according to Article 1020.13 (d) of the Standard Specifications. The cost of this work will not be paid for separately but shall be included in the contract unit price per Square Foot for PRECAST PRESTRESSED CONCRETE DECK BEAMS.

Pipe Culvert Removal: This work shall conform to applicable sections of Article 501 of the Standard Specifications. The existing pipe culverts shall become the property of the Contractor and shall be removed and disposed off of the jobsite, with the exception of the existing A.R. pipe culvert at Station 4+06. The Contractor shall salvage the existing A.R. pipe culvert at Station 4+06 and store on the right-of-way in a location not to obstruct construction. The Denver Township Highway Commissioner will remove the salvaged pipe culvert from the right-of-way. This work shall be paid for at the contract unit price per Foot for PIPE CULVERT REMOVAL and no additional compensation will be allowed.

Precast Reinforced Concrete Flared End Section 48”: This work shall conform to applicable sections of Article 542 of the Standard Specifications and to the requirements of Standard 542301. This work shall include all non-shrink grouting, mastic, and flashing required to seal the pipe to the reinforced concrete flared end section. The cost of the reinforced concrete flared end section, all necessary fittings, toe plate, grouting, and all labor and materials to install the end section as described in Article 542 shall be included in the contract unit price per Each for PRECAST REINFORCED CONCRETE FLARED END SECTION 48”.

This work shall be paid for at the Contract Unit Price Each for PRECAST REINFORCED CONCRETE FLARED END SECTION 48”.

Traversable Pipe Grate (Special): This work shall conform to all applicable articles of Section 542 of the Standard Specifications and to the requirements of Standard 542311. The Traversable Pipe Grate (Special) shall be for a 48” precast reinforced concrete flared end section. This work shall be paid for at the contract unit price Each for TRAVERSABLE PIPE GRATE, SPECIAL.

Pipe Culverts, Class D: This work shall conform to applicable sections of Article 542 of the Standard Specifications. The pipe culverts shall be Corrugated Polyethylene (PE) Pipe with a Smooth Interior. The pipe shall meet AASHTO M294, Type S or ASTM F2306 and have a Manning’s “n” value for use in design of 0.012. Method 3 construction according to Article 542 shall be used for the construction of Pipe Culverts, Class D, of each Type and size listed on the plans. All earth excavation required for pipe culvert removal and installation shall be included in the cost of Pipe Culverts, Class D, of each Type and size listed on the plans.

Pipe Requirements: Pipe Culverts, Class D, Type 1 pipe (per AASHTO) shall have a smooth interior and annular exterior corrugations. 4- through 10-inch pipe shall meet AASHTO M252, Type S or SP. 12- through 60-inch pipe shall meet AASHTO M294, Type S or SP, or ASTM F2306. Manning’s “n” value for use in design shall be 0.012.

Joint Performance: Pipe shall be joined using a bell & spigot joint meeting the requirements of AASHTO M252, AASHTO M294, or ASTM F2306. The joint shall be soil-tight and gaskets for diameters 12- through 60-inch, shall meet the requirements of ASTM F477. For diameters 4-

through 10-inch, the joint shall be soil-tight using an engaging dimple connection. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly.

Fittings: Fittings shall conform to AASHTO M252, AASHTO M294, or ASTM F2306. Bell and spigot connections shall utilize a welded bell and valley or saddle gasket meeting the soil-tight joint performance requirements of AASHTO M252, AASHTO M294, or ASTM F2306.

Material Properties: Material for pipe and fitting production shall be high density polyethylene conforming with the minimum requirements of cell classification 424420C for 4- through 10-inch diameters, and 435400C for 12- through 60-inch diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The 12-through 60-inch pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 and 5.1 of AASHTO M294 and ASTM F2306, respectively.

Installation: Installation shall be in accordance with ASTM D2321 and manufacturer recommended installation guidelines, with the exception that minimum cover in trafficked areas for 4- through 48-inch diameters shall be one foot and for 60-inch diameter the minimum cover shall be 2 ft. in single run applications.

Pipe Culverts installed at private and field entrances listed on the plans shall be backfilled with select compacted excavated material to a height of 6" below proposed grade, with the select material meeting the approval of the Engineer. Mechanical means of compaction shall not include compaction with any part of an excavator bucket (backhoe, trackhoe, etc.) or a plate compactor, but shall include compaction only by a "jumping-jack" style ramming compactor. Aggregate Surface Course, Type B, meeting the compaction requirements of the Standard Specifications and dimensions as shown on the plans, shall be used for the final surface at all private and field entrances. (Aggregate Surface Course, Type B will be paid for separately at the contract unit price per Ton.)

This above work shall not be paid for separately but shall be included in the contract unit price per Foot for PIPE CULVERTS, CLASS D, of each Type and size listed on the plans.

Fence (Special): The Contractor shall install FENCE (SPECIAL) at locations shown on the plans and according to the Fence (Special) detail shown on the plans. The proposed fence shall be a combination of barbed wire and electric, and shall conform to applicable section of Article 665 of the Standard Specifications. The barbed wire shall conform to article 1006.28, (b) of the Standard Specifications. The brace wire attachment clips shall conform to article 1006.28, (c) of the Standard Specifications. The electric conductors shall be high tensile, Class III galvanized 12.5-gauge wire with 170,000 psi minimum working strength and the insulators and splicers shall be matched to the wire type and size. The fence posts shall be enameled, 6' long, studded steel "T" posts with anchor plates swaged on the studs. The posts shall weigh 1.33 pounds per foot. The post materials shall conform to article 1006.29, (a), (1) of the Standard Specifications. The enamel coating on the posts shall conform to article 1006.29, (b), (4) of the Standard Specifications. Posts shall be set vertical and in true alignment. The barbed wire shall be pulled

tight, according to standard practice and the manufacturers recommendations. The barbed wire shall be attached to the metal line posts with a #9 galvanized wire clip. Splicing barbed wire shall include 6 complete turns of each wire around the other wire. Galvanized #9 wire spiral fence stays shall be installed at the midpoint in fence panel.

This work shall also include connecting the existing fence to the proposed first fence post of the new fence at all ends of the proposed fence transition. The existing fence shall be connected to the proposed fence posts with existing salvaged materials from the existing fence. Electric fence splices shall be provided and transitioned to the proposed electric fence conductors, and shall be included in this work.

This work shall also include the removal and disposal of the existing fence at locations shown on the plans for FENCE (SPECIAL). All existing fence and fence posts between the proposed FENCE (SPECIAL) start and end stations as shown on the plans shall be removed and disposed off of the jobsite by the Contractor. The existing fence type is barbed wire and electric with a combination of wooden, pvc, steel, and concrete fence posts with one existing 12' length gate centered at Lt. Sta. 5+54. This work shall also include the removal and salvage of the existing cattle guard by the Contractor. The Contractor shall salvage all the existing cattle guard and store on the back edge of the West right-of-way line in a location not to obstruct construction. Construction of a new cattle guard will be done by others. Removal quantities (for information only) are shown on the plans for fence removal and cattle guard removal. The existing fence and cattle guard shall not be removed until the new FENCE (SPECIAL) has been installed, fencing through the stream channel (by others) has been complete, and approval has been given by the Engineer to the Contractor. This work (including existing fence removal and cattle guard removal) will not be measured separately for payment but shall be included in the unit price per foot for FENCE (SPECIAL), for all types of fencing removed.

This work shall be measured end to end of the proposed fencing by the foot along the top of the fence from center to center of end posts, and shall include brace sections, line sections, and all gates and posts. The transitions from the first proposed fence post to the existing fence posts will not be measured for payment but shall be included in this pay item. Fencing through the stream channel will be done by others and will not be measured for payment.

This work shall be paid for at the contract unit price per foot for FENCE (SPECIAL).

Norris Electric Cooperative Utility Coordination: Norris Electric Coop (NEC) has existing overhead powerlines located at the project location that will need to be de-energized before construction begins. The Contractor shall contact NEC with two (2) weeks' notice to de-energize the existing line before working in the OSHA regulated vicinity of the existing overhead electric lines.

The existing NEC pole at Rt. Sta. 2+00 will be relocated by NEC after construction begins. The Contractor shall excavate up to and around said pole, leaving a 5-foot radius of undisturbed dirt around the pole. After the ditch slopes have been cut to grade up to the existing pole, the Contractor shall contact NEC, at which time NEC will relocate the existing pole at Rt. Sta. 2+00 approximately 8-feet to 10-feet south of the existing pole. After the pole has been relocated, the

Contractor shall finish cutting the remaining ditch slopes to grade. The Contractor shall install AGGREGATE DITCH (SPECIAL) at the pole vicinity after the pole is relocated. The Contractor shall be responsible for maintaining the flow of water at all times, and any extra excavation and grading that may be required shall be included in the contract unit price for EARTH EXCAVATION with no additional compensation allowed.

When construction of the project is complete, the Contractor shall contact NEC to switch the de-energized line back to normal feed. All of the above work in this special provision will not be paid for separately, but shall be included in the contract unit price for EARTH EXCAVATION.

Borrow Areas, Use Areas, and / or Waste Areas: In addition to the provisions contained in Article 107.22 of the Standard Specifications, any required submittal(s) to the District office shall require four (4) copies sent for processing. All copies of pictures submitted shall be in color.

Corps of Engineers' Section 404 Permit: The work to be done under this contract shall comply with the terms of the Army Corps of Engineers Nationwide Permit #14 – Linear Transportation Projects as published in the Federal Register December 27, 2021 and the generic Section 401 Water Quality Certification conditions issued by the IEPA for this Nationwide Permit. The Contractor shall comply with all of the special conditions and management practices of this Nationwide Permit.

This project complies with the Nationwide Permit Number 14. A letter from the Army Corps of Engineers is included in the following pages.

NOT FOR BIDDING



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, LOUISVILLE DISTRICT
600 DR. MARTIN LUTHER KING JR PL
LOUISVILLE, KY 40202

February 12, 2025

Regulatory Division
Mitigation, Compliance and Enforcement Branch
ID No. LRL-2024-00720

Danny Colwell
Richland County Highway Department
4334 N. Meridian Road
Olney, IL 62450

Dear Mr. Colwell:

This is in response to your request for authorization to remove and replace a bridge carrying T.R. 52 500 E, N. Jesse Road over Sugar Creek near Noble, Richland County, IL in the immediate vicinity of coordinates: Lat. 38.79799° N, Long -88.20605° W. More specifically, the existing bridge would be replaced by a 66' long single span bridge. Approximately 100 cubic yards would be placed along the banks for scour protection impacting approximately 0.023 acres of Sugar Creek. The information supplied by you was reviewed to determine whether a Department of the Army (DA) permit will be required under the provisions of Section 404 of the Clean Water Act.

Your project is considered a discharge of backfill or bedding material for a road crossing. The project is authorized under the provisions of 33 CFR 330 Nationwide Permit (NWP) No. 14, Linear Transportation Projects, as published in the Federal Register December 27, 2021. Under the provisions of this authorization you must comply with the enclosed Terms and General Conditions for NWP No. 14, and the following Special Condition(s):

Special Condition 1: **SECTION 401 WATER QUALITY CERTIFICATION.** The Permittee shall comply with the enclosed General Water Quality Certification (WQC) and conditions for NWP No. 14 issued by the State 401 Water Quality Certification (WQC) from the Illinois Environmental Protection Agency (ILEPA), on December 21, 2021, which are incorporated herein by reference.

Special Condition 2: **ENDANGERED SPECIES ACT.** To meet the requirements of The Endangered Species Act and to avoid harm to federally listed bat species, the permittee is restricted from completing tree clearing activities of any trees (3) inches greater in diameter at breast height from April 1st through September 30th of any given year. Please note that all bat bridge assessments are valid for two years and that expired assessments shall be updated prior to construction.

This verification is valid until the NWP is modified, reissued, or revoked. NWP No. 14 will be modified, reissued, or revoked on March 14, 2026. It is incumbent upon Wabash County Highway Department to remain informed of changes to the NWPs. If Wabash County Highway Department commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification

or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. The enclosed Compliance Certification must be submitted to the District Engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later. Please note that we also perform periodic inspections to ensure compliance with our permit conditions and applicable Federal laws. A copy of this letter will be forwarded to your agent and to the ILEPA.

If you have any questions, please contact us by writing to the Louisville District Regulatory Office at the address on the letterhead, ATTN: CELRL-RDE, or contact me directly at 502-315-6683 or by email at todd.e.hagman@usace.army.mil. Any correspondence on this matter should refer to our ID Number LRL-2024-00720.

Sincerely,



Date: 2025.02.12
15:03:10 -05'00'

Todd E. Hagman
Senior Project Manager
Regulatory Division

Enclosures
NWP 14 Terms and Conditions
IL 401 General Water Quality Certification

NOT FOR BIDDING

| | |
|--|--|
| <p>U.S. Army Corps of Engineers (USACE)</p> <p>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</p> <p>For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.</p> | <p><i>Form Approved -</i></p> <p><i>OMB No. 0710-0003</i></p> <p><i>Expires 2027-10-31</i></p> |
|--|--|

The Agency Disclosure Notice (ADN)

The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.

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.

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Louisville District, Regulatory Office.

The certification can be submitted by email at todd.e.hagman@usace.army.mil or by mail at the below address:

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Louisville District, Regulatory Office.

U.S. Army Corps of Engineers
Louisville District Office
 Street Address: 600 Dr Martin Luther King Jr Pl
 City: Louisville State: Kentucky Zip Code: 40202

COMPLETED BY THE CORPS

Corps Action Number: LRL-2024-00720

Permit Type: General Permit

General Permit Number and Name (if applicable): NWP-14 Linear Transportation Project

Name of Permittee: Richland County Highway Department

Project Name: T.R. 52 bridge replacement Sugar Creek

Project Location (physical address): TR 52 500 E, Jesse Road
Noble, Denver Township
Richland County, Illinois

PERMITTEE'S CERTIFICATION

Date Work Started: _____

Date Work Completed: _____

Enclose photographs showing the completed project (if available).

I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.

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

**STATUS OF
UTILITIES TO BE ADJUSTED**

| <u>Name and Address of Utility</u> | <u>Type</u> | <u>Location</u> | <u>Estimated Date Relocation Completed</u> |
|---|-------------|-----------------|--|
| Norris Electric Co-op Newton, Illinois | Power Line | Jobsite | Before or during Construction |

NOT FOR BIDDING

The utilities will be adjusted by the Owners at no cost to the section.

The above represents the best information of the Department and is only included for the convenience of the bidder. The applicable provisions of Articles 101.54, 105.07, and 107.20 of the Standard Specifications for Road and Bridge Construction shall apply.

If any utility adjustment or removal has not been completed when required by the Contractor's operations, the Contractor should notify the Engineer in writing. A request for an extension of time will be considered to the extent the Contractor's operations were affected.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Richland County Highway Department

4334 N. Meridian Road

Olney, IL 62450

Denver Township

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets
SPECIAL PROVISION
FOR
CONSTRUCTION AND MAINTENANCE SIGNS

Effective: January 1, 2004
Revised: June 1, 2007

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

701.14. Signs. Add the following paragraph to Article 701.14:

All warning signs shall have minimum dimensions of 1200 mm x 1200 mm (48" x 48") and have a black legend on a fluorescent orange reflectorized background, meeting, as a minimum, Type AP reflectivity requirements of Table 1091-2 in Article 1091.02.

NOT FOR BIDDING

| | | | | | | | | | |
|-----------------|-------------------------------|--------|---------------------------------------|--------|-----------------------------|-----------------|---|-----------|--------------------------------|
| 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 | REINFORCEMENT | TWP | TOWNSHIP |
| BRK | BRICK | EX | EXISTING | LP | LIGHT POLE | RCCP | REINFORCED CONCRETE CULVERT PIPE | TR | TOWNSHIP ROAD |
| BBOX | BUFFALO BOX | EXPWAY | EXPRESSWAY | LGT | LIGHTING | REIN | REINFORCEMENT | TS | TRAFFIC SIGNAL |
| BLDG | BUILDING | E | EXTERNAL DISTANCE OF HORIZONTAL CURVE | LF | LINEAL FEET OR LINEAR FEET | REM | REMOVAL | TSCB | TRAFFIC SIGNAL CONTROL BOX |
| CATV | CABLE | E | OFFSET DISTANCE TO VERTICAL CURVE | L | LITER OR CURVE LENGTH | RC | REMOVE CROWN | TSC | TRAFFIC SYSTEMS CENTER |
| CIP | CAST IRON PIPE | F-F | FACE TO FACE | LC | LONG CHORD | REP | REPLACEMENT | TRVS | TRANSVERSE |
| CB | CATCH BASIN | FA | FEDERAL AID | LNG | LONGITUDINAL | REST | RESTAURANT | TRVL | TRAVEL |
| C-C | CENTER TO CENTER | FAI | FEDERAL AID INTERSTATE | L SUM | LUMP SUM | RESURF | RESURFACING | TRN | TURN |
| CL | CENTERLINE OR CLEARANCE | FAP | FEDERAL AID PRIMARY | MACH | MACHINE | RET | RETAINING | TY | TYPE |
| CL-E | CENTERLINE TO EDGE | FAS | FEDERAL AID SECONDARY | MB | MAIL BOX | RT | RIGHT | T-A | TYPE A |
| CL-F | CENTERLINE TO FACE | FAUS | FEDERAL AID URBAN SECONDARY | MH | MANHOLE | ROW | RIGHT-OF-WAY | TYP | TYPICAL |
| CTS | CENTERS | FP | FENCE POST | MATL | MATERIAL | RD | ROAD | UNDGND | UNDERGROUND |
| CERT | CERTIFIED | OPT | FIBER OPTIC | MED | MEDIAN | RDWY | ROADWAY | USGS | U.S. GEOLOGICAL SURVEY |
| CHSLD | CHISELED | FE | FIELD ENTRANCE | m | METER | RTE | ROUTE | USEL | UPSTREAM ELEVATION |
| CS | CITY STREET | FH | FIRE HYDRANT | METH | METHOD | SAN | SANITARY | USFL | UPSTREAM FLOWLINE |
| CP | CLAY PIPE | FL | FLOW LINE | M | MID-ORDINATE | SANS | SANITARY SEWER | UTIL | UTILITY |
| CLSD | CLOSED | FB | FOOT BRIDGE | mm | MILLIMETER | SEC | SECTION | VBOX | VALVE BOX |
| CLID | CLOSED LID | FDN | FOUNDATION | mm DIA | MILLIMETER DIAMETER | SEED | SEEDING | VV | VALVE VAULT |
| CT | COAT OR COURT | FR | FRAME | MIX | MIXTURE | SHAP | SHAPING | VLT | VAULT |
| COMB | COMBINATION | F&G | FRAME & GRATE | MBH | MOBILE HOME | S | SHED | VEH | VEHICLE |
| C | COMMERCIAL BUILDING | FRWAY | FREEWAY | MOD | MODIFIED | SH | SHEET | VP | VENT PIPE |
| CE | COMMERCIAL ENTRANCE | GAL | GALLON | MFT | MOTOR FUEL TAX | SHLD | SHOULDER | VERT | VERTICAL |
| CONC | CONCRETE | GALV | GALVANIZED | N & BC | NAIL & BOTTLE CAP | SW | SIDEWALK OR SOUTHWEST | VC | VERTICAL CURVE |
| CONST | CONSTRUCT | G | GARAGE | N & C | NAIL & CAP | SIG | SIGNAL | VPC | VERTICAL POINT OF CURVATURE |
| CONTD | CONTINUED | GM | GAS METER | N & W | NAIL & WASHER | SOD | SODDING | VPI | VERTICAL POINT OF INTERSECTION |
| CONT | CONTINUOUS | GV | GAS VALVE | NC | NORMAL CROWN | SM | SOLID MEDIATE | VPT | VERTICAL POINT OF TANGENCY |
| COR | CORNER | GIS | GEOGRAPHICAL INFORMATION SYSTEM | NB | NORTHBOUND | SB | SOUTHBOUND | WM | WATER METER |
| CORR | CORRUGATED | GRAN | GRANULAR | NE | NORTHEAST | SE | SOUTHEAST | WV | WATER VALVE |
| CMP | CORRUGATED METAL PIPE | GR | GRATE | NW | NORTHWEST | SPL | SPECIAL | WMAIN | WATER MAIN |
| CNTY | COUNTY | GRVL | GRAVEL | O/S | OFFSET | SD | SPECIAL DITCH | WB | WESTBOUND |
| CH | COUNTY HIGHWAY | GND | GROUND | O&C | OIL AND CHIP | SQ FT | SQUARE FEET | WILDFL | WILDFLOWERS |
| CSE | COURSE | GUT | GUTTER | OLID | OPEN LID | m ² | SQUARE METER | W | WITH |
| XSECT | CROSS SECTION | GP | GUY POLE | PAT | PATTERN | mm ² | SQUARE MILLIMETER | WO | WITHOUT |
| m ³ | CUBIC METER | GW | GUY WIRE | PVD | PAVED | SQ YD | SQUARE YARD | | |
| mm ³ | CUBIC MILLIMETER | HH | HANDHOLE | PVMT | PAVEMENT | STB | STABILIZED | | |

NOT FOR BIDDING

Illinois Department of Transportation

RECEIVED January 1, 2021

[Signature]
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

[Signature]
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. |



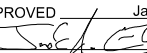
**STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS**

(Sheet 1 of 9)

STANDARD 000001-08

| <u>ADJUSTMENT ITEMS</u> | | | <u>ALIGNMENT ITEMS</u> | | | <u>DRAINAGE ITEMS</u> | | |
|---------------------------------------|-----------|-----------|--------------------------------------|--|--|---------------------------|-----------|-----------|
| | <u>EX</u> | <u>PR</u> | | <u>EX</u> | <u>PR</u> | | <u>EX</u> | <u>PR</u> |
| Structure To Be Adjusted | | ADJ | Baseline | _____ | _____ | Channel or Stream Line | ----- | ----- |
| Structure To Be Cleaned | | C | Centerline | ----- | ----- | Culvert Line | ----- | ----- |
| Main Structure To Be Filled | | FM | Centerline Break Circle | ○ | ⊙ | Grading & Shaping Ditches | ----- | ----- |
| Structure To Be Filled | | F | Baseline Symbol | ⊥ | ⊥ | Drainage Boundary Line | ----- | ----- |
| Structure To Be Filled Special | | FSP | Centerline Symbol | | ⊥ | Paved Ditch | ----- | ----- |
| Structure To Be Removed | | R | PI Indicator | △ | △ | Aggregate Ditch | ----- | ----- |
| Structure To Be Reconstructed | | REC | Point Indicator | ○ | ○ | Pipe Underdrain | ----- | ----- |
| Structure To Be Reconstructed Special | | RSP | Horizontal Curve Data (Half Size) | EX. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA= | CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA= | Storm Sewer | ----- | ----- |
| Frame and Grate To Be Adjusted | | A | <u>BOUNDARIES ITEMS</u> | | | | | |
| Frame and Lid To Be Adjusted | | A | Dashed Property Line | ----- | ----- | Flowline | ⊥ | ⊥ |
| Domestic Service Box To Be Adjusted | | A | Solid Property/Lot Line | _____ | _____ | Ditch Check | ◆ | ◆ |
| Valve Vault To Be Adjusted | | A | Section/Grant Line | ----- | ----- | Headwall | — | — |
| Special Adjustment | | SP | Quarter Section Line | ----- | ----- | Inlet | □ | □ |
| Item To Be Abandoned | | AB | Quarter/Quarter Section Line | ----- | ----- | Manhole | ⊙ | ⊙ |
| Item To Be Moved | | M | County/Township Line | ----- | ----- | Summit | ↔ | ↔ |
| Item To Be Relocated | | REL | State Line | ----- | ----- | Roadway Ditch Flow | ~→ | ~→ |
| Pavement Removal and Replacement | | | Chiseled Square Found | □ | □ | Swale | → | → |
| | | | Iron Pipe Found | ○ | ○ | Catch Basin | ○ | ● |
| | | | Iron Pipe Set | ● | ● | Culvert End Section | ◁ | ◁ |
| | | | Survey Marker | ⊙ | ⊙ | Water Surface Indicator | ▽ | ▽ |
| | | | Property Line Symbol | ⊥ | ⊥ | Riprap | ▒ | ▒ |
| | | | Same Ownership Symbol (Half Size) | ↗ | ↗ | <u>HYDRAULICS ITEMS</u> | | |
| | | | Northwest Quarter Corner (Half Size) | ⊙ | ⊙ | Overflow | ↪ | ↪ |
| | | | Section Corner (Half Size) | ⊙ | ⊙ | Sheet Flow | → | → |
| | | | Southeast Quarter Corner (Half Size) | ⊙ | ⊙ | Hydrant Outlet | ➔ | ➔ |

NOT FOR BIDDING

 Illinois Department of Transportation
 APPROVED January 1, 2021

 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2021

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

STANDARD SYMBOLS,
ABBREVIATIONS,
AND PATTERNS

(Sheet 2 of 9)

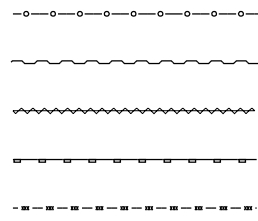
STANDARD 000001-08

EROSION & SEDIMENT CONTROL ITEMS

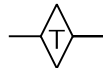
EX

PR

- Cleaning & Grading Limits
- Dike
- Erosion Control Fence
- Perimeter Erosion Barrier
- Temporary Fence



Ditch Check Temporary



Ditch Check Permanent



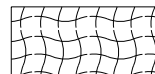
Inlet & Pipe Protection



Sediment Basin



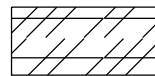
Erosion Control Blanket



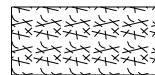
Fabric Formed Concrete Revetment Mat



Turf Reinforcement Mat



Mulch Temporary



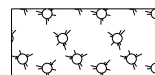
Mulch Method 1



Mulch Method 2 Stabilized



Mulch Method 3 Hydraulic

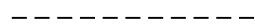


CONTOUR ITEMS

EX

PR

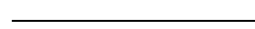
Approx. Index Line



Approx. Intermediate Line



Index Contour



Intermediate Contour

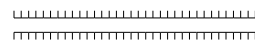


NON-HIGHWAY IMPROVEMENT ITEMS

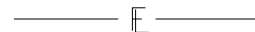
EX

PR

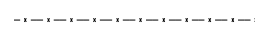
Noise Attn./Levee



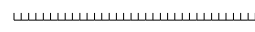
Field Line



Fence



Base of Levee



Mailbox



Multiple Mailboxes



Pay Telephone



Advertising Sign



*ITS Camera



Wind Turbine



Cellular Tower



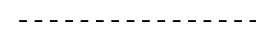
*Intelligent Transportation Systems

LANDSCAPING ITEMS

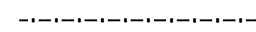
EX

PR

Contour Mounding Line



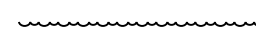
Fence



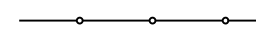
Fence Post



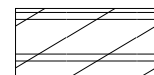
Shrubs



Mowline



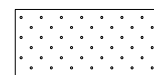
Perennial Plants



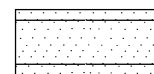
Seeding Class 2



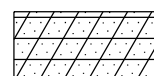
Seeding Class 2A



Seeding Class 4



Seeding Class 4 & 5 Combined

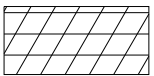


EXISTING LANDSCAPING ITEMS (contd.)

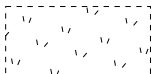
EX

PR

Seeding Class 5



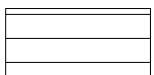
Seeding Class 7



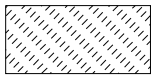
Seedlings Type 1



Seedlings Type 2



Sodding



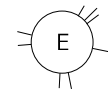
Mowstake w/Sign



Tree Trunk Protection



Evergreen Tree



Shade Tree



LIGHTING

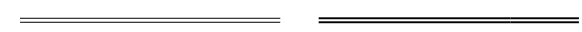
EX

PR

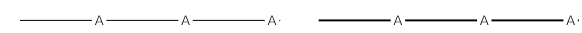
Duct



Conduit



Electrical Aerial Cable



Electrical Buried Cable



Controller



Underpass Luminaire



Power Pole



STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

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**LIGHTING
(contd.)**

EX

PR

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



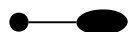
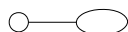
Traffic Flow Arrow



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

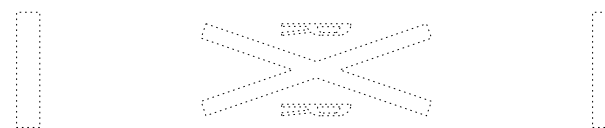
EX

PR

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



Raised Marker Amber 2 Way



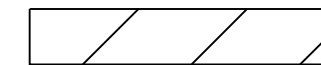
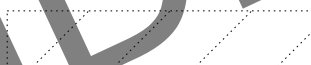
Raised Marker Crystal 1 Way



Two Way Turn Left



Shoulder Diag. Pattern



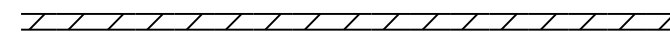
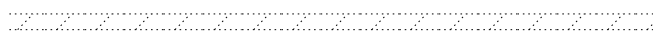
Skip-Dash White



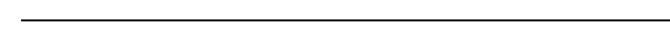
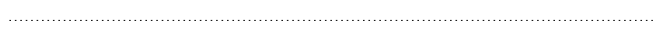
Skip-Dash Yellow



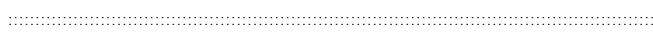
Stop Line



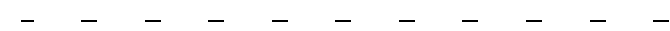
Solid Line



Double Centerline



Dotted Lines



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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

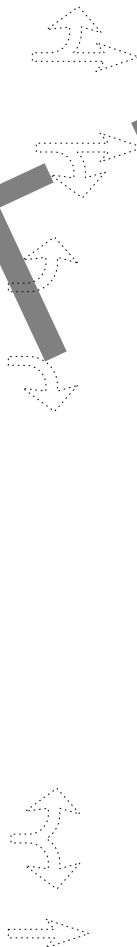
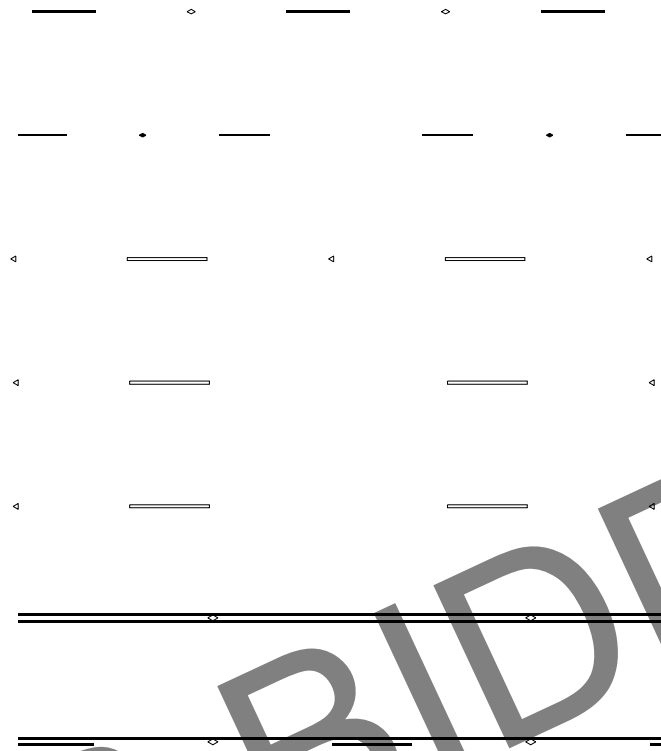
Urban Left Turn Only

Urban Right Turn Only

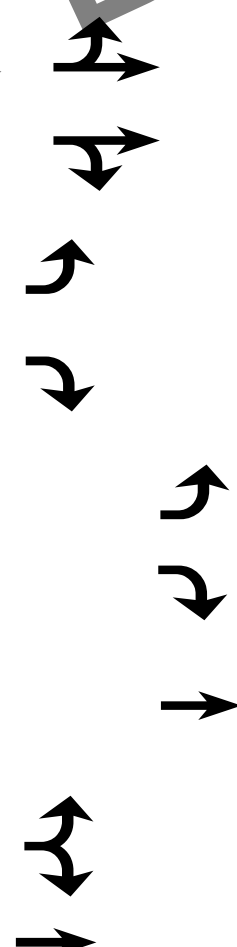
Urban Thru Only

EX

PR



ONLY
ONLY
ONLY

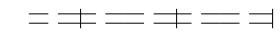


RAILROAD ITEMS

EX

PR

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck

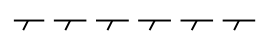


REMOVAL ITEMS

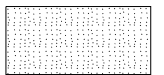
EX

PR

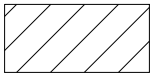
Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



RIGHT OF WAY ITEMS

EX

PR

Future ROW Corner Monument



ROW Marker



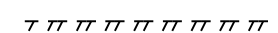
ROW Line



Easement



Temporary Easement



**STANDARD SYMBOLS,
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Urban LT & RT Turn Arrow

Urban Thru Arrow

PAVEMENT MARKINGS
(contd.)

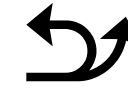
EX

PR

Urban U-Turn



Urban Combined U-Turn



Rural Combination Left



Rural Combination Right



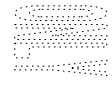
Rural Left Turn Arrow



Rural Right Turn Arrow

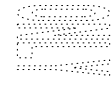


Rural Left Turn Only

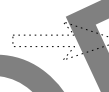
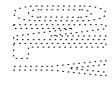


ONLY ONLY ONLY

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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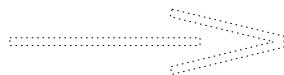
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Wrong Way Arrow



**STANDARD SYMBOLS,
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(Sheet 6 of 9)

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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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(Sheet 7 of 9)

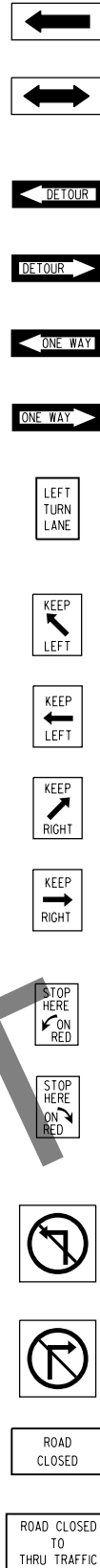
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SIGNING ITEMS
(contd.)

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)

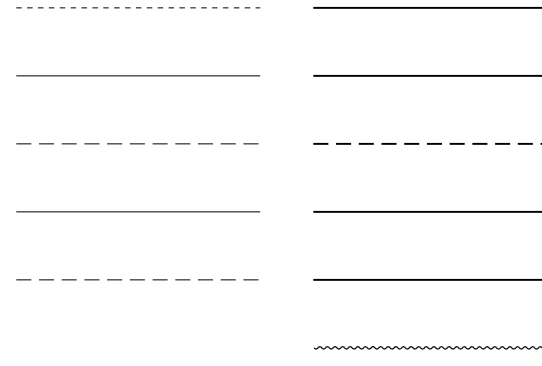


STRUCTURES ITEMS

EX

PR

- Box Culvert Barrel
- Box Culvert Headwall
- Bridge Pier
- Bridge
- Retaining Wall
- Temporary Sheet Piling

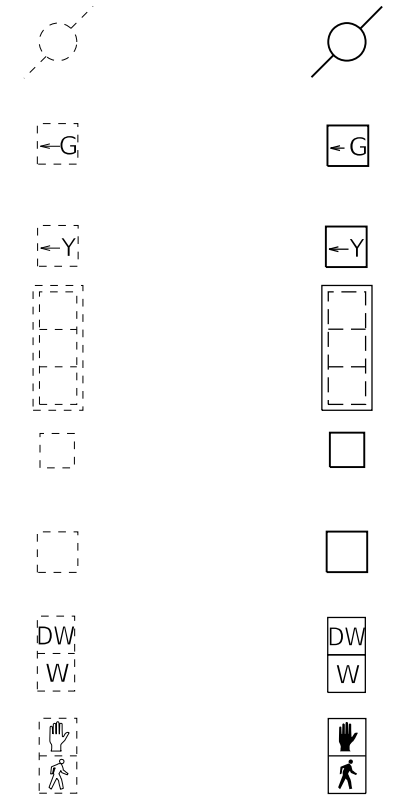


TRAFFIC SHEET ITEMS

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

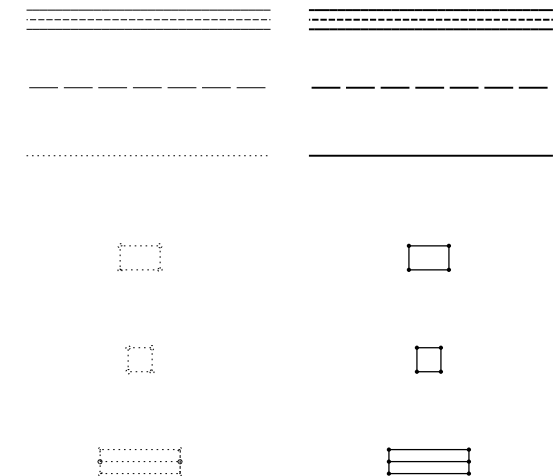


TRAFFIC SIGNAL ITEMS

EX

PR

- Galv. Steel Conduit
- Underground Cable
- Detector Loop Line
- Detector Loop Large
- Detector Loop Small
- Detector Loop Quadrapole



**STANDARD SYMBOLS,
ABBREVIATIONS,
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(Sheet 8 of 9)

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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



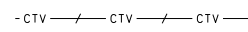
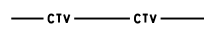
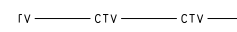
UNDERGROUND UTILITY ITEMS

EX

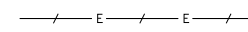
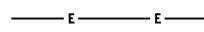
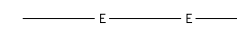
PR

ABANDONED

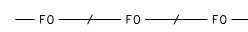
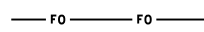
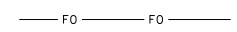
Cable TV



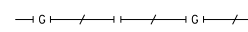
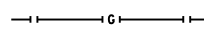
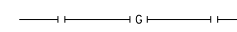
Electric Cable



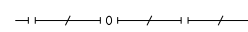
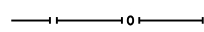
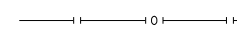
Fiber Optic



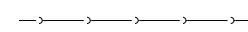
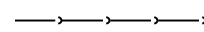
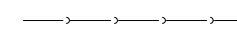
Gas Pipe



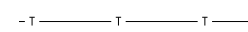
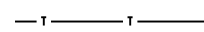
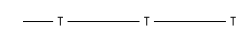
Oil Pipe



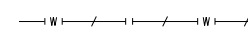
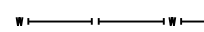
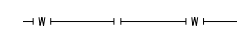
Sanitary Sewer



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



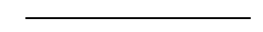
Water Meter



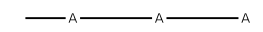
Water Meter Valve Box



Profile Line



Aerial Power Line



VEGETATION ITEMS

EX

PR

Deciduous Tree



Bush or Shrub



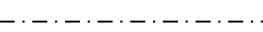
Evergreen Tree



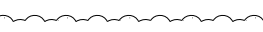
Stump



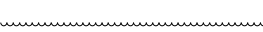
Orchard/Nursery Line



Vegetation Line



Woods & Bush Line

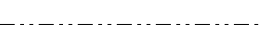


WATER FEATURE ITEMS

EX

PR

Stream or Drainage Ditch



Waters Edge



Water Surface Indicator



Water Point



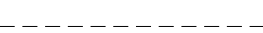
Disappearing Ditch



Marsh



Marsh/Swamp Boundary



STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08

Illinois Department of Transportation

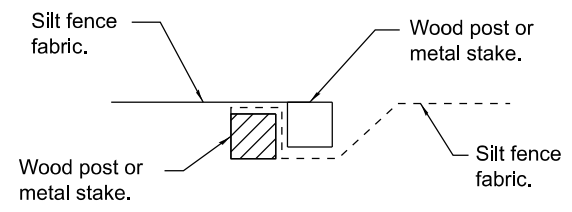
APPROVED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

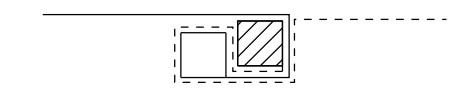
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



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

STEP 1

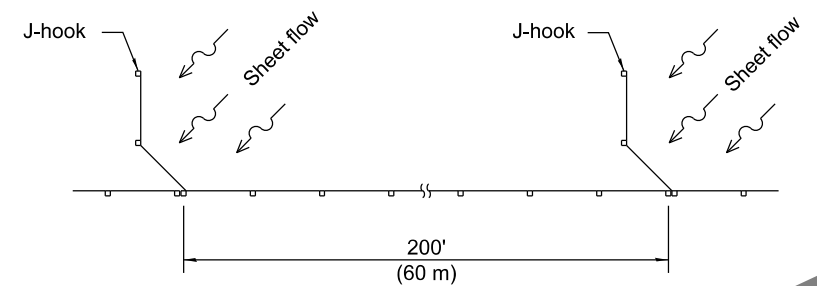


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

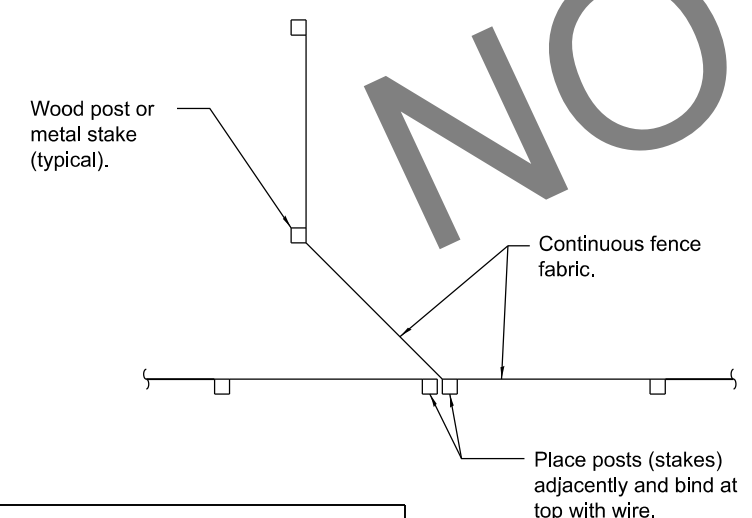
STEP 2

ATTACHING TWO SILT FILTER FENCES

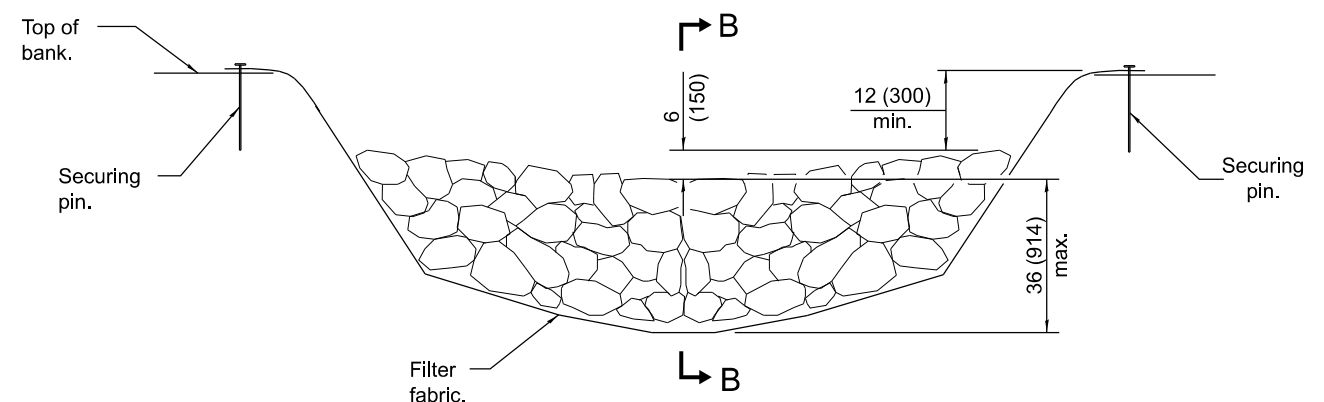
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

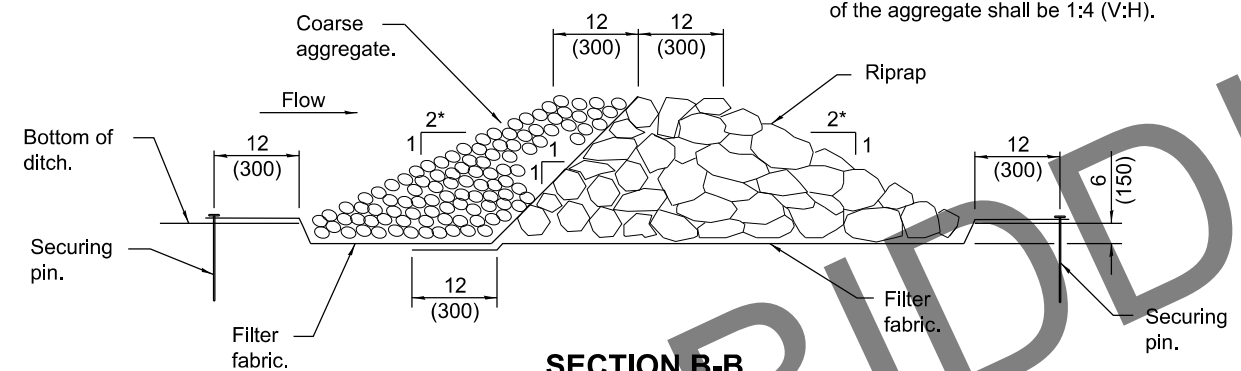


J-HOOK



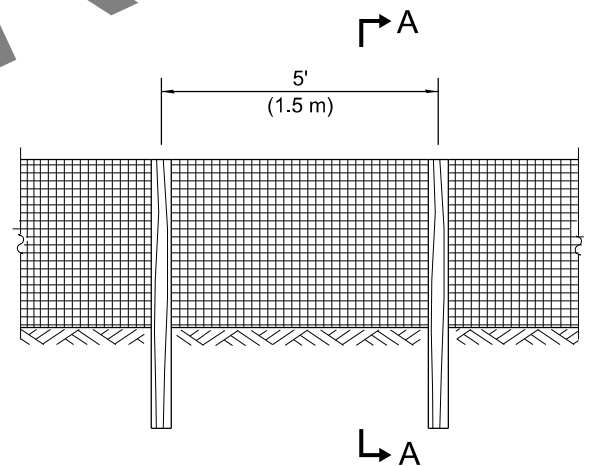
ELEVATION

* 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).



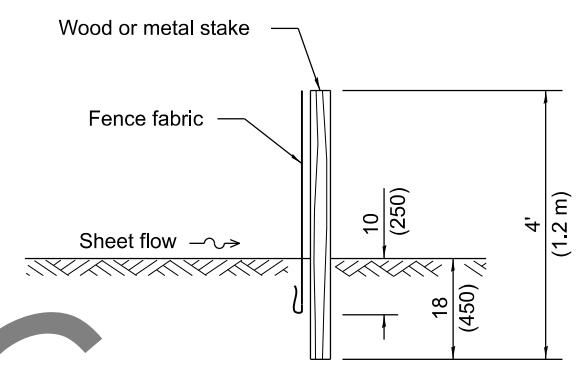
SECTION B-B

AGGREGATE DITCH CHECK

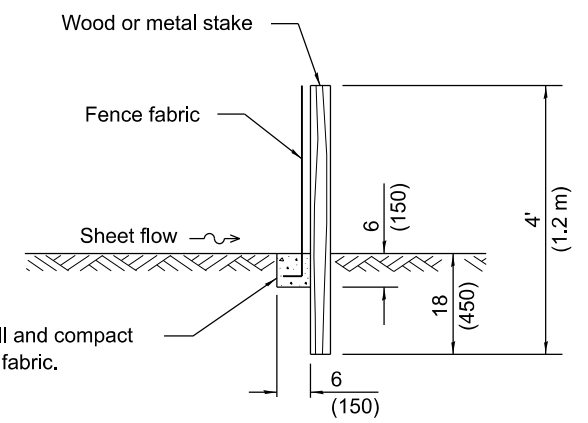


ELEVATION

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 Brand
 ENGINEER OF POLICY AND PROCEDURES

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

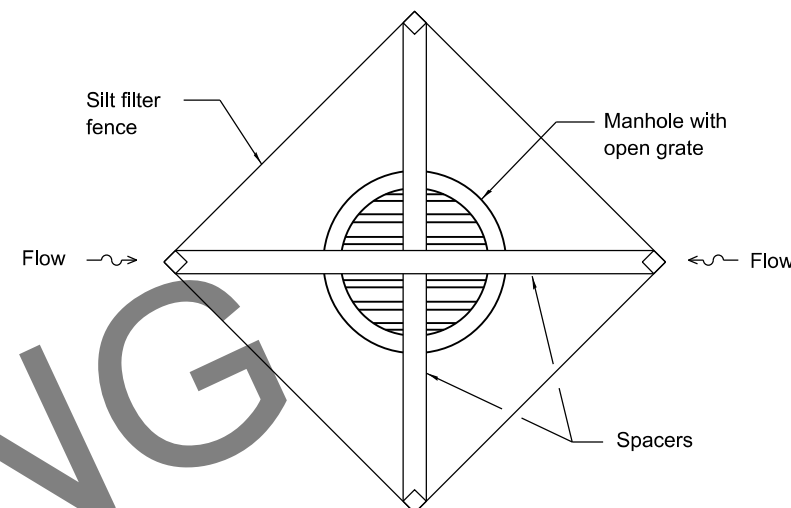
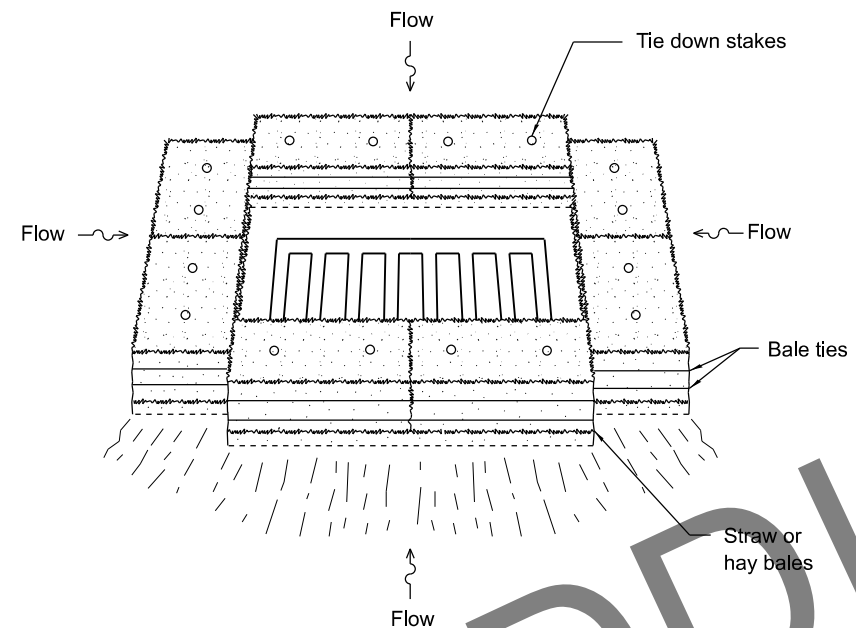
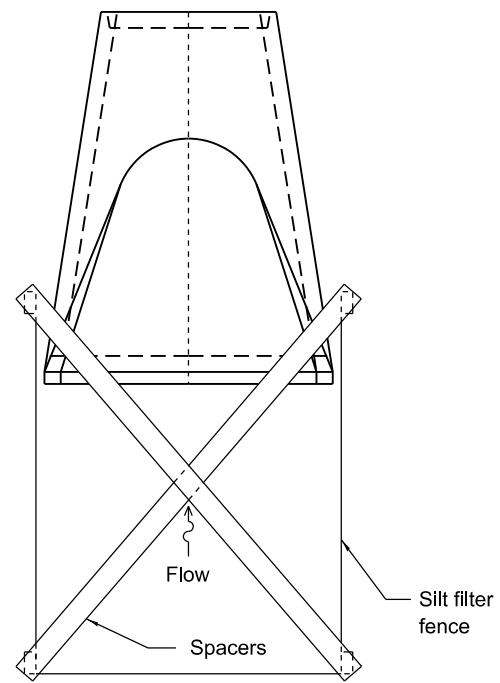
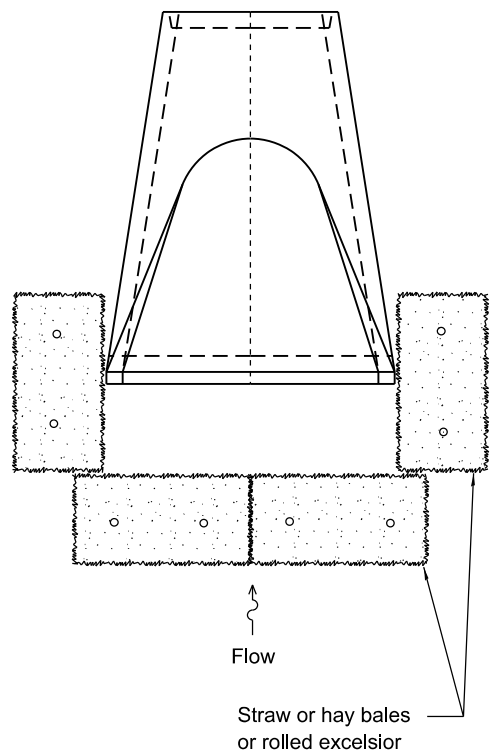
ISSUED 1-1-97

| 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 |

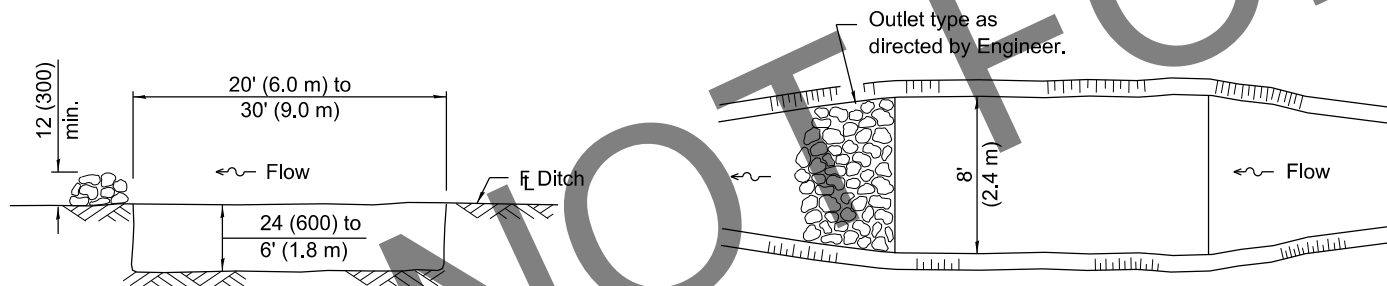
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07



INLET AND PIPE PROTECTION



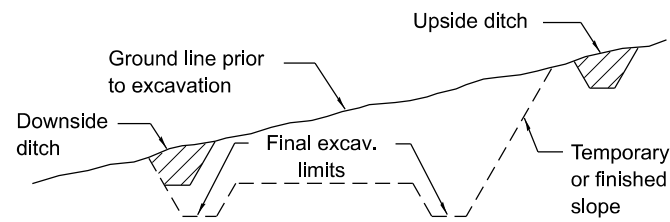
The performance of the basin will improve if put into a series.

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

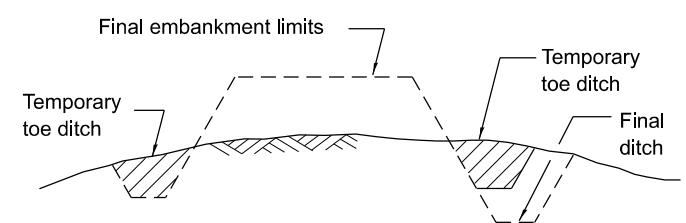
ELEVATION

PLAN

SEDIMENT BASIN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation

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

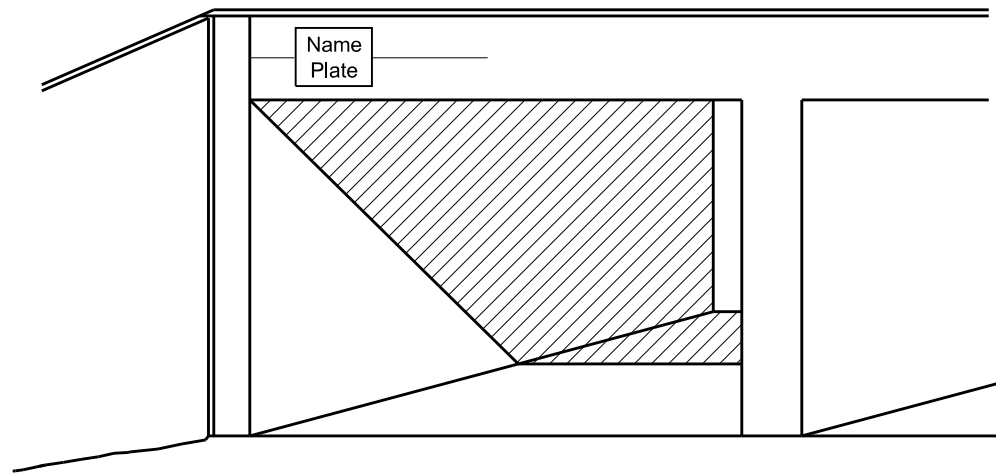
APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TEMPORARY EROSION CONTROL SYSTEMS

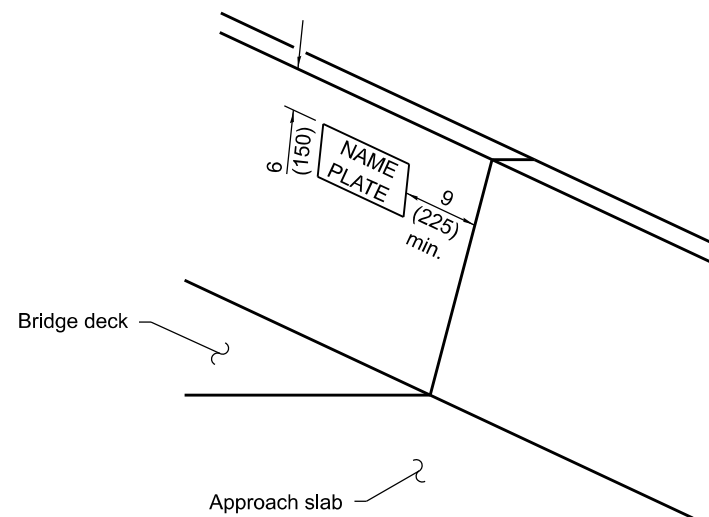
(Sheet 2 of 2)

STANDARD 280001-07

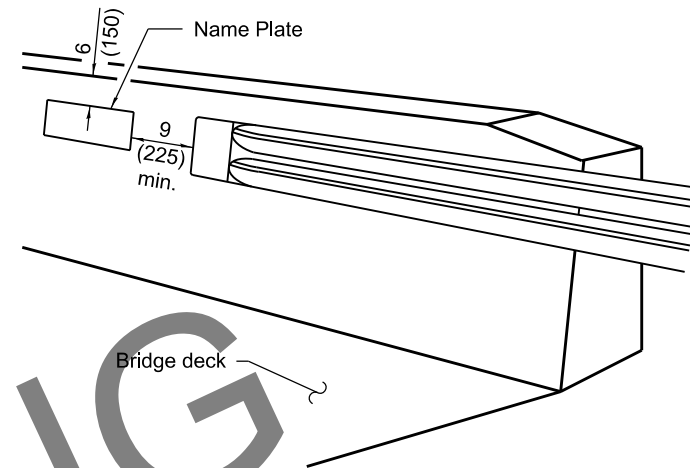


MULTI-SPAN CULVERTS

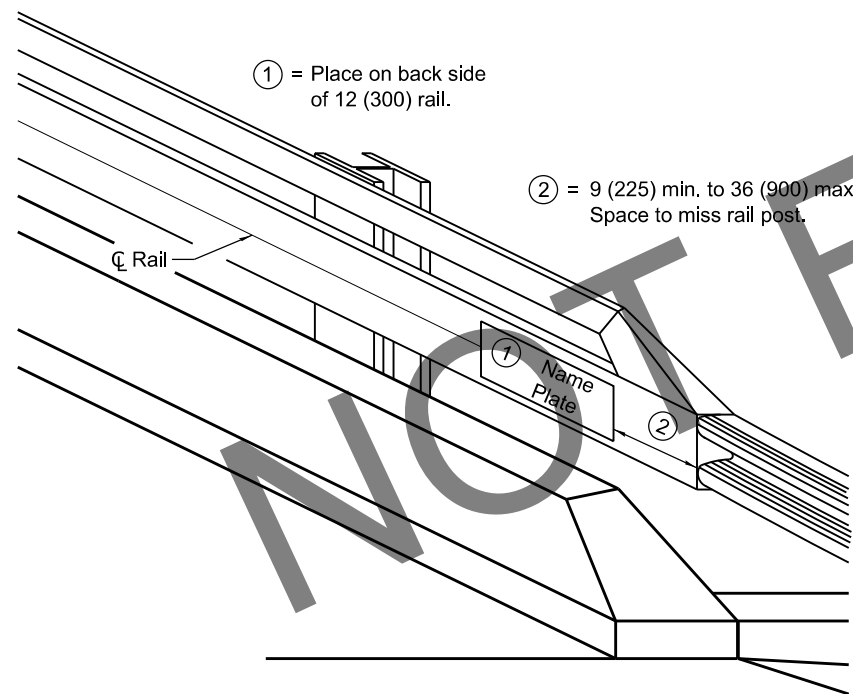
(Unless otherwise noted on the plans, name plates are not required for structures less than 20' (6.1 m) in length)



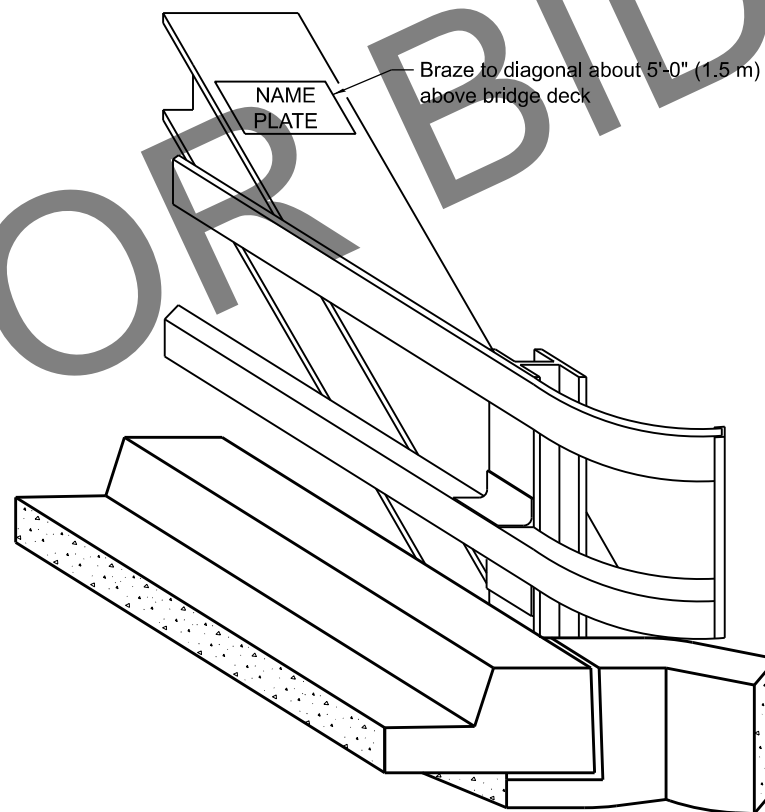
PARAPET
(Typical)



PARAPET
(Terminated at end of bridge)



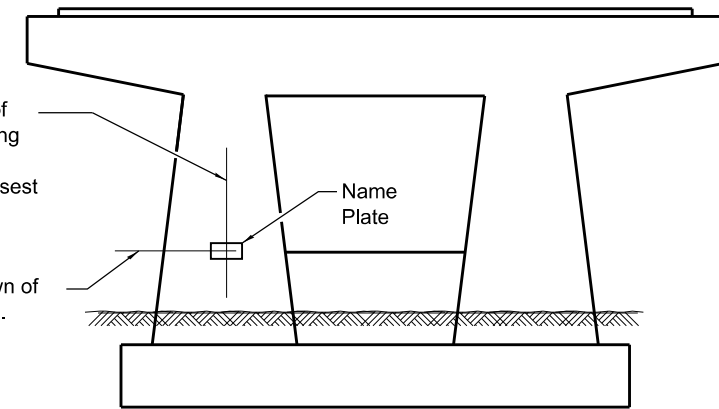
STEEL RAILS



TRUSSES

For column type piers, C of column nearest approaching traffic. For solid piers, 3'-0" \pm from end of pier closest to approaching traffic.

4'-0" \pm above crown of roadway elevation.



PIERS ON FAI ROUTES

GENERAL NOTES

On one-way traffic structures, place name plate on right side of approach end. On two-way traffic structures, place name plate on right side of approach end while looking in the direction of increasing stationing.

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

Illinois Department of Transportation

APPROVED January 1, 2020
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 ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2020
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 ENGINEER OF DESIGN AND ENVIRONMENT

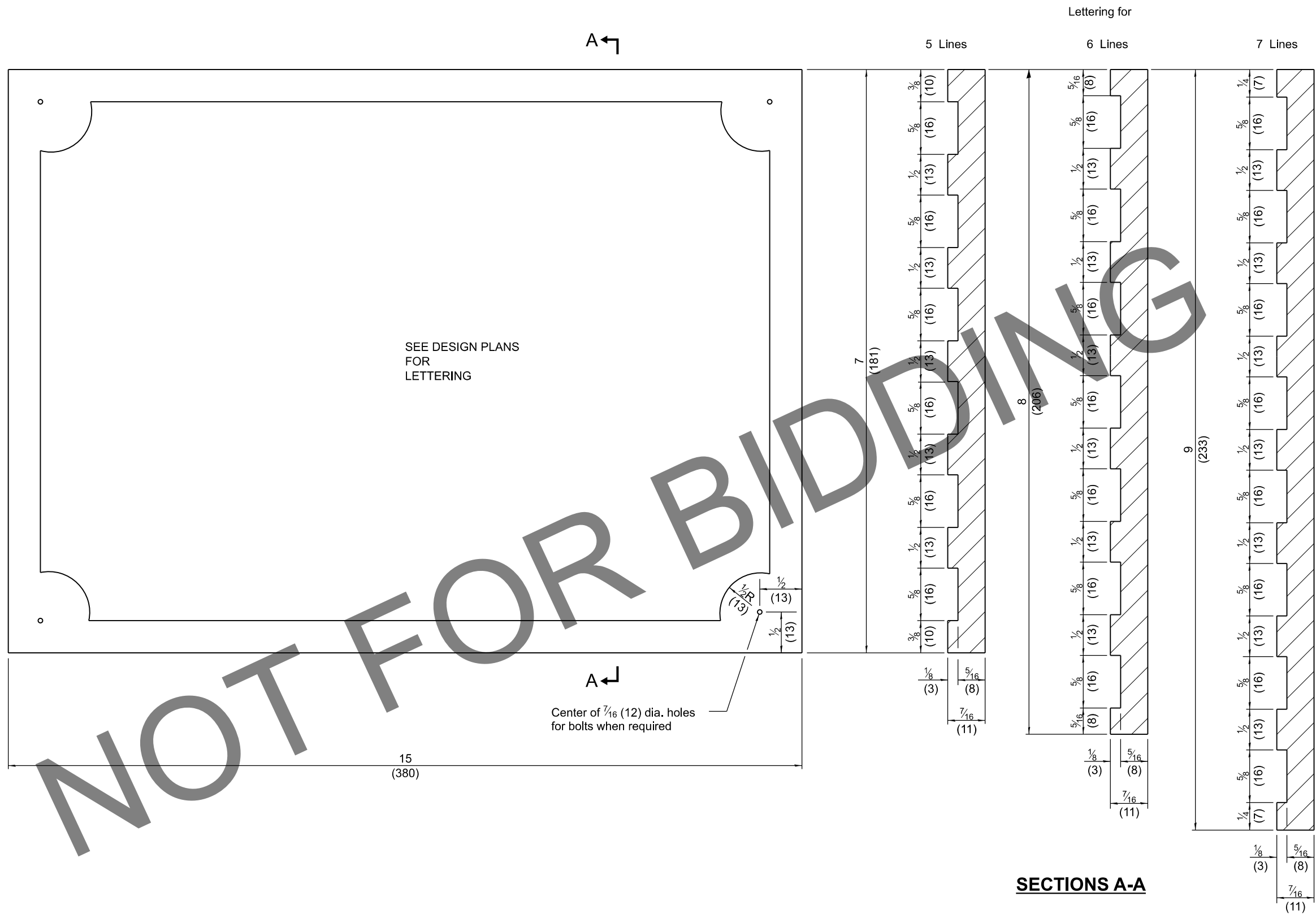
ISSUED 1-1-97

| DATE | REVISIONS |
|--------|---|
| 1-1-20 | Revised F-shape to constant slope parapet. |
| 1-1-09 | Switched units to English (metric). Added pier detail. |

NAME PLATE FOR BRIDGES

(Sheet 1 of 2)

STANDARD 515001-04



NOTE
 Border and lettering:
 Raised $\frac{1}{8}$ (3), square cut and not tapered.

Illinois Department of Transportation

APPROVED January 1, 2020

ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2020

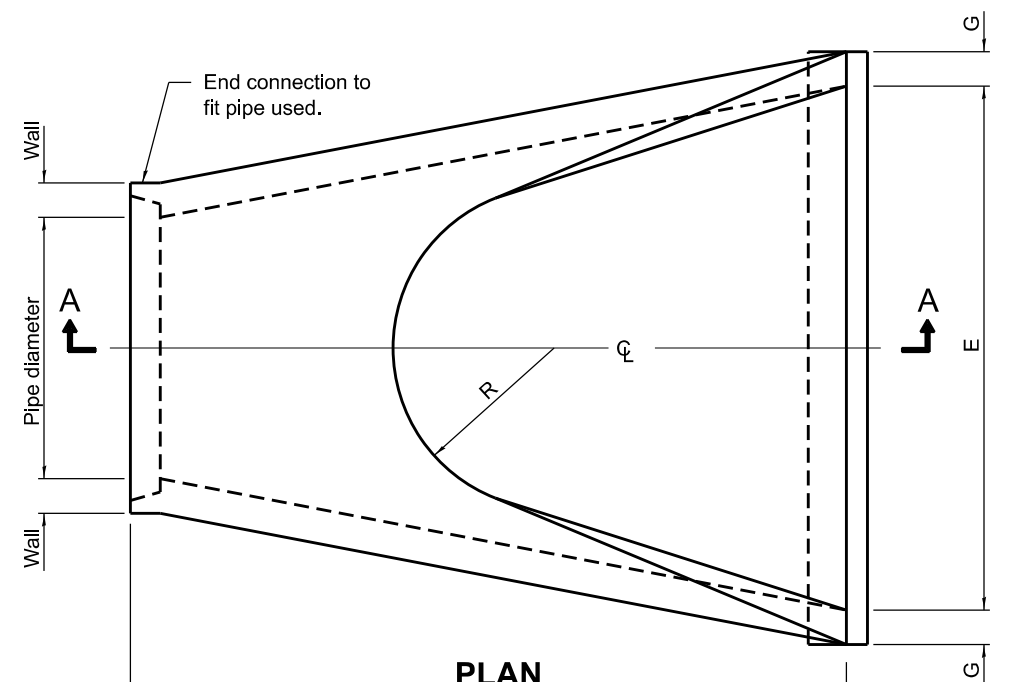
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

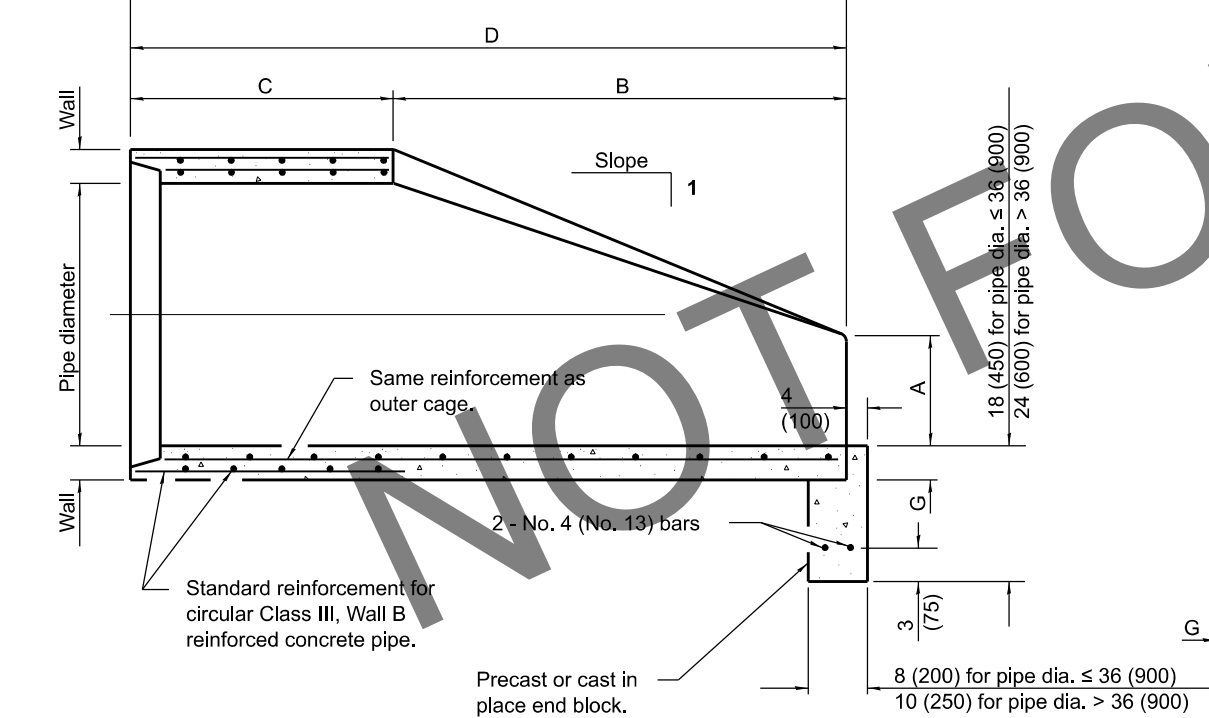
**NAME PLATE
 FOR BRIDGES**

(Sheet 2 of 2)

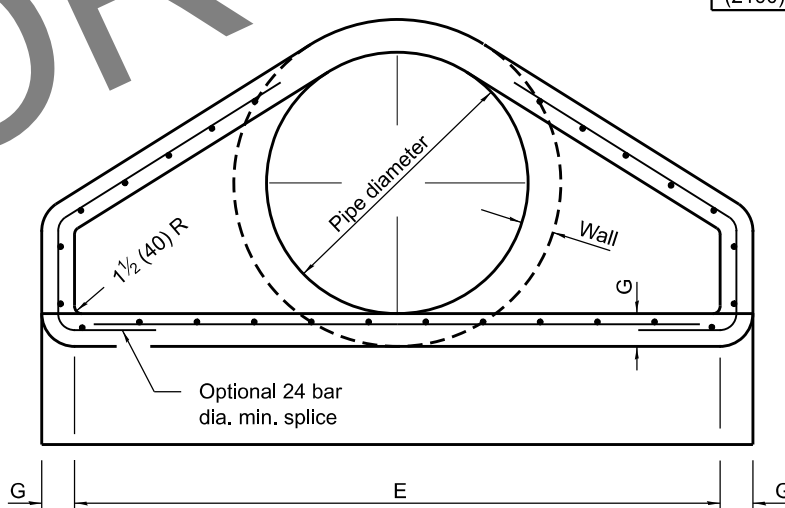
STANDARD 515001-04



PLAN



SECTION A-A



END VIEW

| PIPE DIA. | APPROX. QTY. lbs. (kg) | WALL | A | B | C | D | E | G | R | APPROX. SLOPE |
|-----------|------------------------|-------------|--------------|----------------------|---------------------|---------------------|------------------|-------------|--------------|---------------|
| 12 (300) | 530 (240) | 2 (51) | 4 (102) | 24 (610) | 4'-0 7/8" (1.241 m) | 6'-0 7/8" (1.851 m) | 24 (610) | 2 (51) | 9 (229) | 1:2.4 |
| 15 (375) | 740 (335) | 2 1/4 (57) | 6 (152) | 27 (686) | 3'-10" (1.168 m) | 6'-1" (1.854 m) | 30 (762) | 2 1/4 (57) | 11 (280) | 1:2.4 |
| 18 (450) | 990 (450) | 2 1/2 (64) | 9 (229) | 27 (686) | 3'-10" (1.168 m) | 6'-1" (1.854 m) | 36 (914) | 2 1/2 (64) | 12 (305) | 1:2.4 |
| 21 (525) | 1280 (580) | 2 3/4 (70) | 9 (229) | 35 (889) | 38 (965) | 6'-1" (1.854 m) | 3'-6" (1.067 m) | 2 3/4 (70) | 13 (330) | 1:2.4 |
| 24 (600) | 1520 (690) | 3 (76) | 9 1/2 (241) | 3'-7 1/2" (1.105 m) | 30 (762) | 6'-1 1/2" (1.867 m) | 4'-0" (1.219 m) | 3 (76) | 14 (356) | 1:2.5 |
| 27 (675) | 1930 (875) | 3 1/4 (83) | 10 1/2 (267) | 4'-0" (1.219 m) | 25 1/2 (648) | 6'-1 1/2" (1.867 m) | 4'-6" (1.372 m) | 3 1/4 (83) | 14 1/2 (368) | 1:2.4 |
| 30 (750) | 2190 (995) | 3 1/2 (89) | 12 (305) | 4'-6" (1.375 m) | 19 3/4 (502) | 6'-1 3/4" (1.874 m) | 5'-0" (1.524 m) | 3 1/2 (89) | 15 (381) | 1:2.5 |
| 33 (825) | 3200 (1450) | 3 3/4 (95) | 13 1/2 (343) | 4'-10 1/2" (1.486 m) | 39 1/4 (997) | 8'-1 1/2" (2.483 m) | 5'-6" (1.676 m) | 3 3/4 (95) | 17 1/2 (445) | 1:2.5 |
| 36 (900) | 4100 (1860) | 4 (102) | 15 (381) | 5'-3" (1.6 m) | 34 3/4 (883) | 8'-1 3/4" (2.483 m) | 6'-0" (1.829 m) | 4 (102) | 20 (508) | 1:2.5 |
| 42 (1050) | 5380 (2440) | 4 1/2 (114) | 21 (533) | 5'-3" (1.6 m) | 35 (889) | 8'-2" (2.489 m) | 6'-6" (1.981 m) | 4 1/2 (114) | 22 (559) | 1:2.5 |
| 48 (1200) | 6550 (2970) | 5 (127) | 24 (610) | 6'-0" (1.829 m) | 26 (660) | 8'-2" (2.489 m) | 7'-0" (2.134 m) | 5 (127) | 22 (559) | 1:2.5 |
| 54 (1350) | 8240 (3740) | 5 1/2 (140) | 27 (686) | 5'-5" (1.651 m) | 35 (889) | 8'-4" (2.54 m) | 7'-6" (2.286 m) | 5 1/2 (140) | 24 (610) | 1:2.0 |
| 60 (1500) | 8730 (3960) | 6 (152) | 35 (889) | 5'-0" (1.524 m) | 39 (991) | 8'-3" (2.515 m) | 8'-0" (2.438 m) | 5 (127) | * | 1:1.9 |
| 66 (1650) | 10710 (4860) | 6 1/2 (165) | 30 (762) | 6'-0" (1.829 m) | 27 (686) | 8'-3" (2.515 m) | 8'-6" (2.591 m) | 5 1/2 (140) | * | 1:1.7 |
| 72 (1800) | 12520 (5680) | 7 (178) | 36 (914) | 6'-6" (1.981 m) | 21 (533) | 8'-3" (2.514 m) | 9'-0" (2.743 m) | 6 (152) | * | 1:1.8 |
| 78 (1950) | 14770 (6700) | 7 1/2 (191) | 36 (914) | 7'-6" (2.286 m) | 21 (533) | 9'-3" (2.819 m) | 9'-6" (2.896 m) | 6 1/2 (165) | * | 1:1.8 |
| 84 (2100) | 18160 (8240) | 8 (203) | 36 (914) | 7'-6 1/2" (2.299 m) | 21 (533) | 9'-3 1/2" (2.832 m) | 10'-0" (3.048 m) | 6 1/2 (165) | * | 1:1.6 |

* Radius as furnished by manufacturer

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.

Illinois Department of Transportation

APPROVED January 1, 2011
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

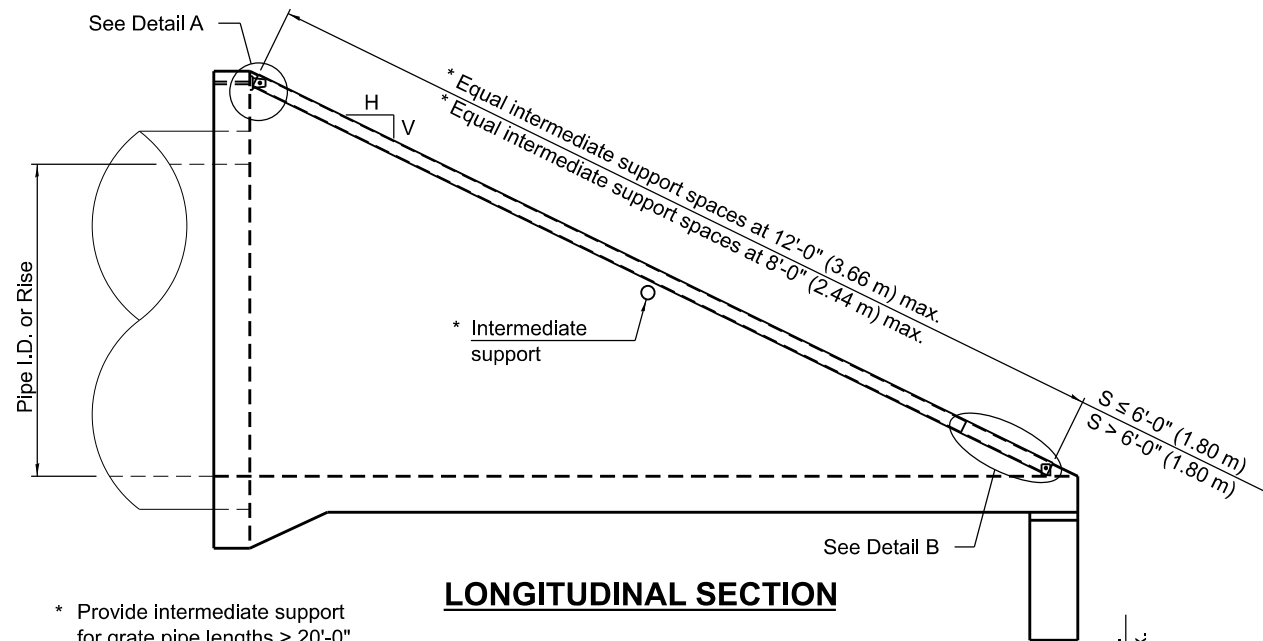
APPROVED January 1, 2011
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|---|
| 1-1-11 | Clarified ref. to pipe dia. on Section A-A. Changed 'inner' to 'outer' cage. ref. |
| 1-1-09 | Switched units to English (metric). |

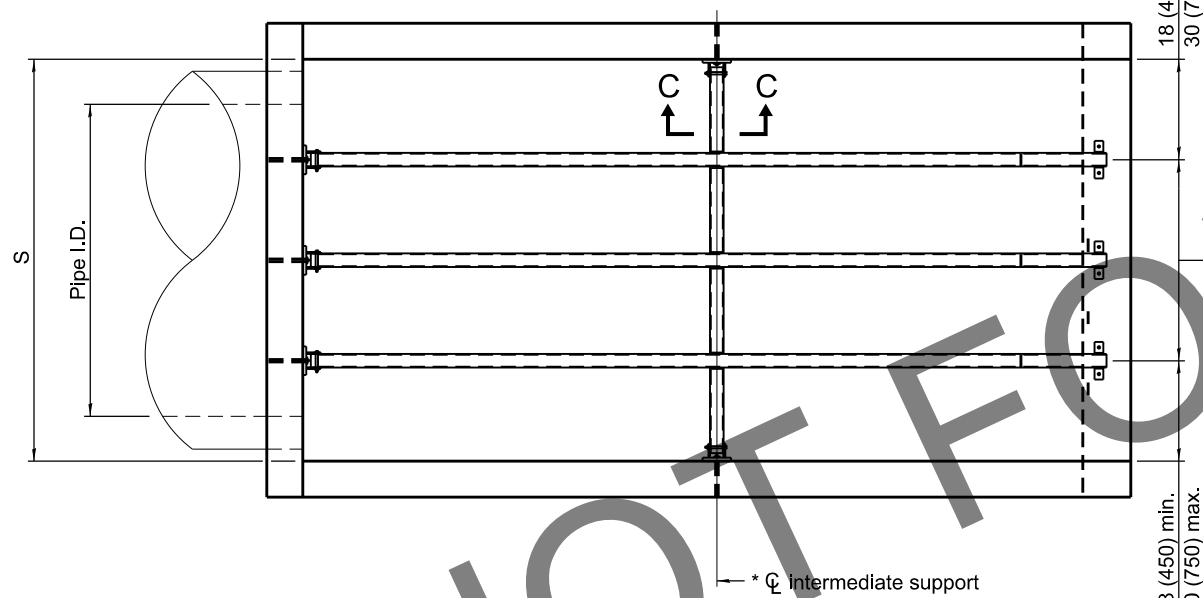
PRECAST REINFORCED CONCRETE FLARED END SECTION

STANDARD 542301-03

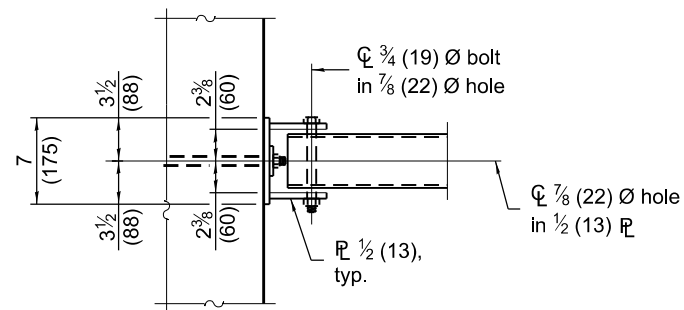


* Provide intermediate support for grate pipe lengths > 20'-0" (6.00 m).

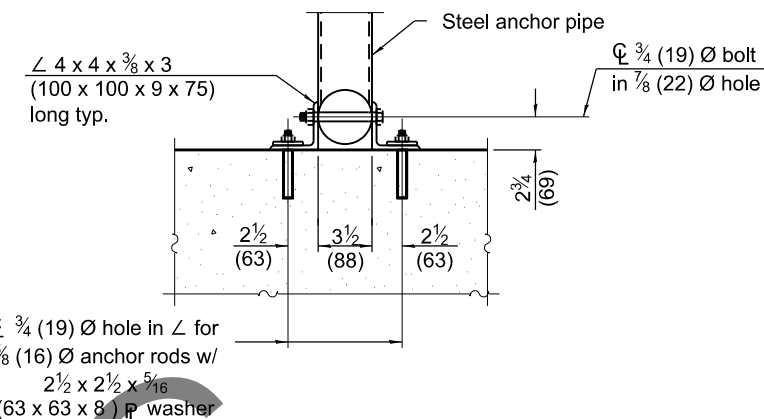
LONGITUDINAL SECTION



PLAN VIEW

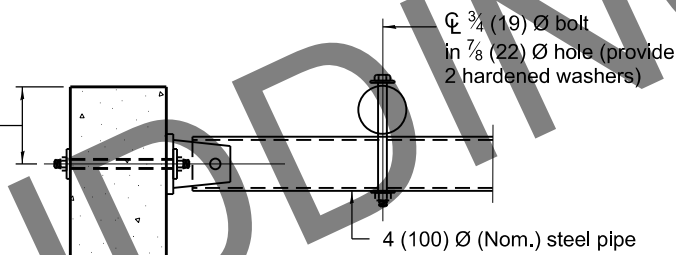


VIEW A-A

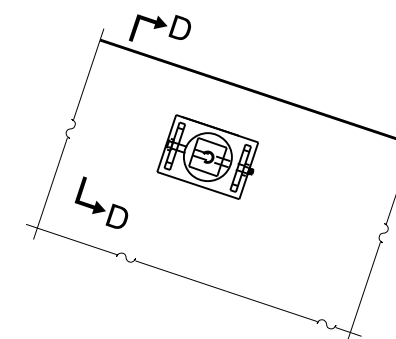


SECTION B-B

6 1/2 (165) for 1:3 slope **
 7 (178) for 1:4 slope **
 7 3/8 for 1:6 slope **

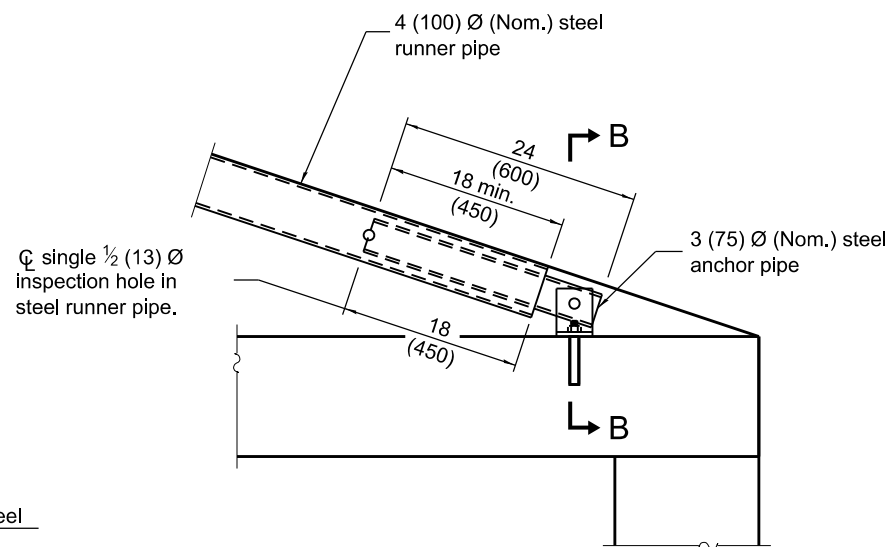


SECTION D-D

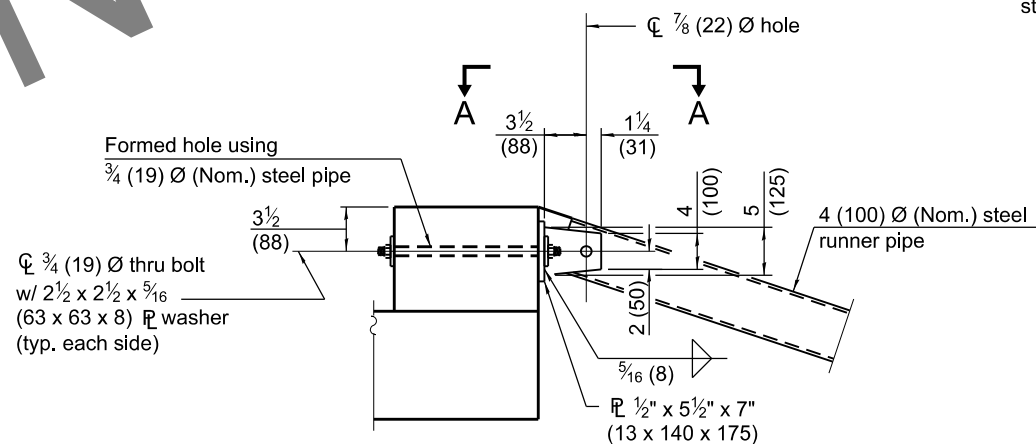


VIEW C-C

(See Detail A for dimensions and details not shown.)



DETAIL B



DETAIL A

GENERAL NOTES

This standard shall only be used on concrete end sections not skewed more than ± 15 degrees with roadway.

The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2 (38) unless noted otherwise.

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

| DATE | REVISIONS |
|--------|---|
| 1-1-18 | Corrected value in elliptical pipe table. Renamed standard. |
| 4-1-16 | Corrected typo. |

TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS

(Sheet 1 of 2)

STANDARD 542311-07

Illinois Department of Transportation

APPROVED January 1, 2018
[Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2018
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT


ISSUED 1-1-97

PIPE-GRATE SCHEDULE FOR PIPE CULVERT END SECTIONS

| Pipe I.D. | Slope of End Section | | | | | | | | |
|-----------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|
| | 1:3 | | | 1:4 | | | 1:6 | | |
| | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe |
| 27 (675) | 1 @ 9'-8" (2.95 m) | N/A | 9'-8" (2.95 m) | 1 @ 12'-11" (3.94 m) | N/A | 12'-11" (3.94 m) | 1 @ 19'-7" (5.97 m) | N/A | 19'-7" (5.97 m) |
| 30 (750) | 1 @ 11'-4" (3.43 m) | N/A | 11'-4" (3.43 m) | 1 @ 14'-10" (4.52 m) | N/A | 14'-10" (4.52 m) | 1 @ 21'-10" (6.65 m) | 1 @ 3'-6" (1.07 m) | 25'-4" (7.72 m) |
| 33 (825) | 1 @ 12'-1" (3.68 m) | N/A | 12'-1" (3.68 m) | 1 @ 15'-10" (4.83 m) | N/A | 15'-10" (4.83 m) | 1 @ 23'-5" (7.14 m) | 1 @ 3'-7" (1.09 m) | 27'-0" (8.23 m) |
| 36 (900) | 1 @ 12'-10" (3.91 m) | N/A | 12'-10" (3.91 m) | 1 @ 16'-10" (5.13 m) | N/A | 16'-10" (5.13 m) | 1 @ 24'-11" (7.59 m) | 2 @ 3'-11" (1.19 m) | 32'-9" (9.97 m) |
| 42 (1050) | 2 @ 14'-9" (4.50 m) | N/A | 29'-6" (9.00 m) | 2 @ 19'-3" (5.87 m) | N/A | 38'-6" (11.74 m) | 2 @ 28'-6" (8.69 m) | 2 @ 4'-7" (1.40 m) | 66'-2" (20.18 m) |
| 48 (1200) | 2 @ 16'-4" (4.98 m) | N/A | 32'-8" (9.96 m) | 2 @ 21'-4" (6.50 m) | 1 @ 5'-1" (1.55 m) | 47'-9" (14.55 m) | 2 @ 31'-6" (9.60 m) | 2 @ 5'-1" (1.55 m) | 73'-2" (22.30 m) |
| 54 (1350) | 2 @ 18'-2" (5.54 m) | N/A | 36'-4" (11.08 m) | 2 @ 23'-9" (7.24 m) | 2 @ 5'-9" (1.75 m) | 59'-0" (16.23 m) | 2 @ 35'-1" (10.69 m) | 4 @ 5'-9" (1.75 m) | 93'-2" (28.38 m) |
| 60 (1500) | 2 @ 19'-9" (6.02 m) | N/A | 39'-6" (12.04 m) | 2 @ 25'-10" (7.87 m) | 3 @ 6'-3" (1.91 m) | 70'-5" (21.47 m) | 2 @ 38'-1" (11.61 m) | 4 @ 6'-3" (1.91 m) | 101'-2" (30.86 m) |
| 66 (1650) | 2 @ 21'-7" (6.58 m) | 2 @ 6'-11" (2.11 m) | 57'-0" (17.38 m) | 2 @ 28'-2" (8.59 m) | 3 @ 6'-11" (2.11 m) | 77'-1" (23.51 m) | 2 @ 41'-11" (12.78 m) | 5 @ 6'-11" (2.11 m) | 127'-5" (36.11 m) |
| 72 (1800) | 3 @ 23'-2" (7.06 m) | 2 @ 7'-5" (2.26 m) | 84'-4" (25.70 m) | 3 @ 30'-3" (9.22 m) | 3 @ 7'-5" (2.26 m) | 113'-0" (34.44 m) | 3 @ 44'-8" (13.61 m) | 5 @ 7'-5" (2.26 m) | 171'-1" (52.13 m) |
| 78 (1950) | 3 @ 25'-0" (7.62 m) | 3 @ 8'-1" (2.46 m) | 99'-3" (30.24 m) | 3 @ 32'-8" (9.96 m) | 4 @ 8'-1" (2.46 m) | 130'-4" (39.72 m) | 3 @ 48'-3" (14.71 m) | 6 @ 8'-1" (2.46 m) | 193'-3" (58.89 m) |
| 84 (2100) | 3 @ 26'-7" (8.10 m) | 3 @ 8'-7" (2.62 m) | 105'-6" (32.16 m) | 3 @ 34'-9" (10.59 m) | 4 @ 8'-7" (2.62 m) | 138'-7" (42.25 m) | 3 @ 51'-3" (15.62 m) | 8 @ 8'-7" (2.62 m) | 206'-3" (62.58 m) |

PIPE-GRATE SCHEDULE FOR ELLIPTICAL PIPE CULVERT END SECTIONS

| Pipe I.D. (Equiv. Round) | Slope of End Section | | | | | | | | |
|--------------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|
| | 1:3 | | | 1:4 | | | 1:6 | | |
| | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe |
| 21 (525) | 1 @ 8'-2" (2.49 m) | N/A | 8'-2" (2.49 m) | 1 @ 11'-2" (3.40 m) | N/A | 11'-2" (3.40 m) | 1 @ 17'-5" (5.31 m) | N/A | 17'-5" (5.31 m) |
| 24 (600) | 1 @ 8'-2" (2.49 m) | N/A | 8'-2" (2.49 m) | 1 @ 11'-2" (3.40 m) | N/A | 11'-2" (3.40 m) | 1 @ 17'-5" (5.31 m) | N/A | 17'-5" (5.31 m) |
| 27 (675) | 1 @ 8'-11" (2.72 m) | N/A | 8'-11" (2.72 m) | 1 @ 12'-2" (3.71 m) | N/A | 12'-2" (3.71 m) | 1 @ 18'-11" (5.77 m) | N/A | 18'-11" (5.77 m) |
| 30 (750) | 1 @ 9'-5" (2.87 m) | N/A | 9'-5" (2.87 m) | 1 @ 12'-11" (3.94 m) | N/A | 12'-11" (3.94 m) | 1 @ 19'-11" (6.07 m) | N/A | 19'-11" (6.07 m) |
| 36 (900) | 2 @ 11'-0" (3.35 m) | N/A | 22'-0" (6.70 m) | 2 @ 14'-11" (4.55 m) | N/A | 29'-10" (9.10 m) | 2 @ 22'-11" (6.99 m) | 1 @ 4'-7" (1.40 m) | 50'-5" (15.38 m) |
| 42 (1050) | 2 @ 12'-4" (3.76 m) | N/A | 24'-8" (7.52 m) | 2 @ 16'-8" (5.08 m) | N/A | 33'-4" (10.16 m) | 2 @ 25'-6" (7.77 m) | 2 @ 5'-5" (1.65 m) | 61'-10" (18.84 m) |
| 48 (1200) | 2 @ 13'-8" (4.17 m) | N/A | 27'-4" (8.34 m) | 2 @ 18'-5" (5.61 m) | N/A | 36'-10" (11.22 m) | 2 @ 28'-0" (8.53 m) | 3 @ 6'-1" (1.85 m) | 74'-3" (22.61 m) |
| 54 (1350) | 2 @ 15'-0" (4.75 m) | N/A | 30'-0" (9.50 m) | 2 @ 20'-1" (6.12 m) | 2 @ 6'-9" (2.06 m) | 53'-8" (16.36 m) | 2 @ 30'-7" (9.32 m) | 3 @ 6'-9" (2.06 m) | 81'-5" (24.82 m) |
| 60 (1500) | 3 @ 16'-7" (5.05 m) | N/A | 49'-9" (15.15 m) | 3 @ 22'-2" (6.76 m) | 2 @ 7'-7" (2.31 m) | 81'-8" (24.90 m) | 3 @ 33'-7" (10.24 m) | 4 @ 7'-7" (2.31 m) | 131'-1" (39.96 m) |
| 66 (1650) | 3 @ 17'-11" (5.46 m) | N/A | 53'-9" (16.38 m) | 3 @ 23'-11" (7.29 m) | 2 @ 8'-3" (2.51 m) | 88'-3" (26.89 m) | 3 @ 36'-2" (11.02 m) | 4 @ 8'-3" (2.51 m) | 141'-6" (43.10 m) |
| 72 (1800) | 3 @ 19'-6" (5.94 m) | N/A | 58'-6" (17.82 m) | 3 @ 25'-11" (7.90 m) | 3 @ 8'-11" (2.72 m) | 104'-6" (31.86 m) | 3 @ 39'-2" (11.94 m) | 4 @ 8'-11" (2.72 m) | 153'-2" (46.70 m) |

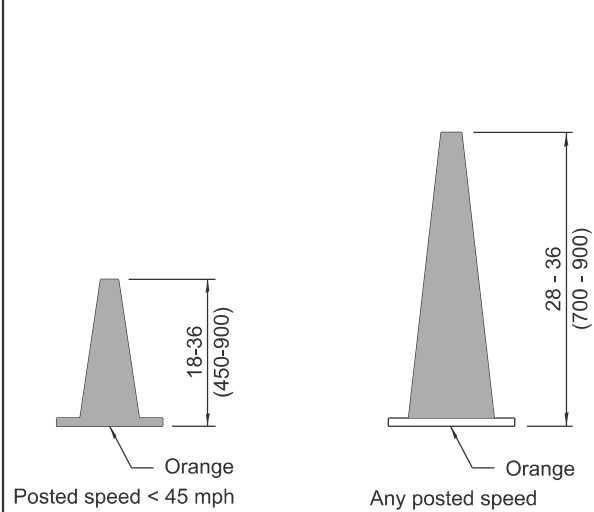
 Illinois Department of Transportation
 APPROVED January 1, 2018
[Signature]
 ENGINEER OF BRIDGES AND STRUCTURES
 APPROVED January 1, 2018
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**TRAVERSABLE PIPE GRATE
FOR CONCRETE END
SECTIONS**

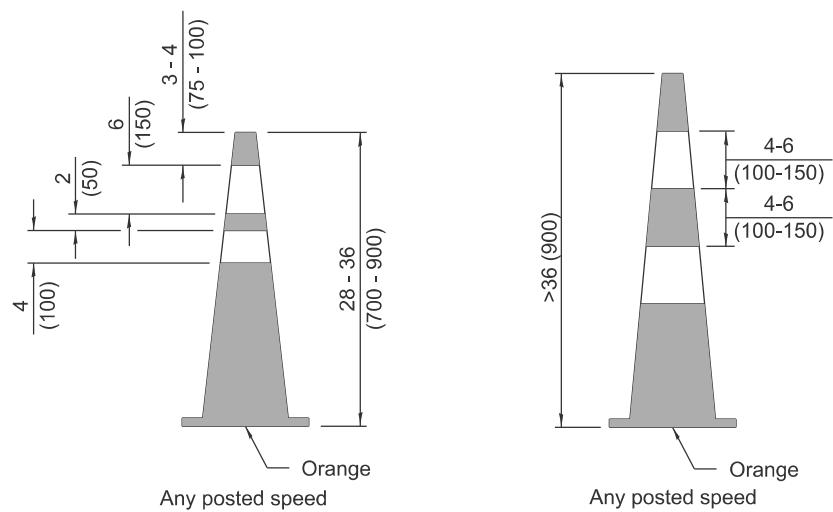
(Sheet 2 of 2)

STANDARD 542311-07

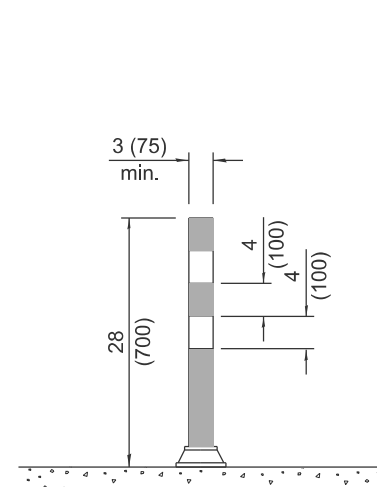


DAYTIME USE

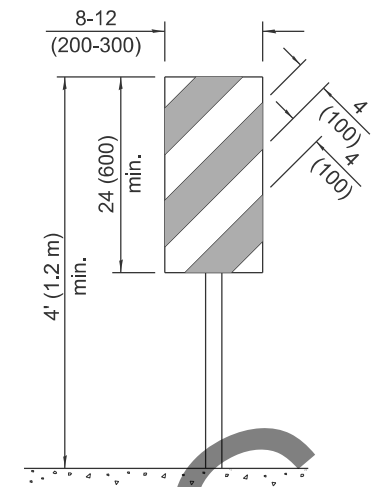
CONES



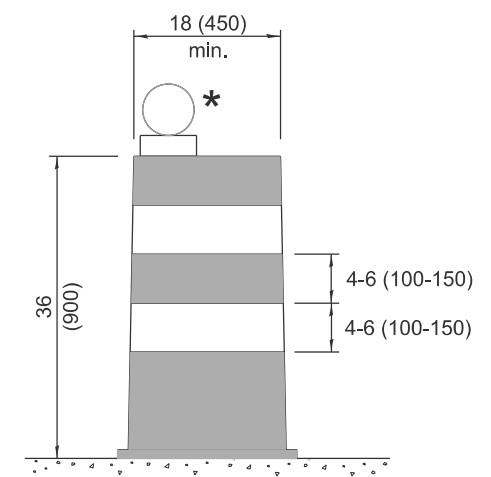
DAY OR NIGHTTIME USE



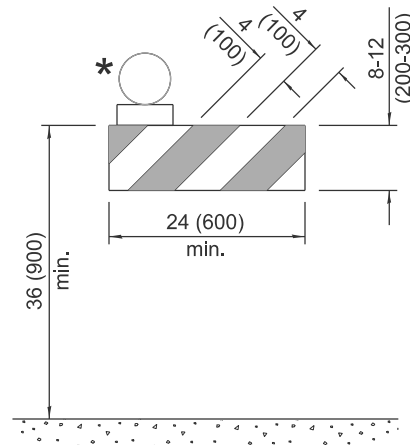
TUBULAR MARKER



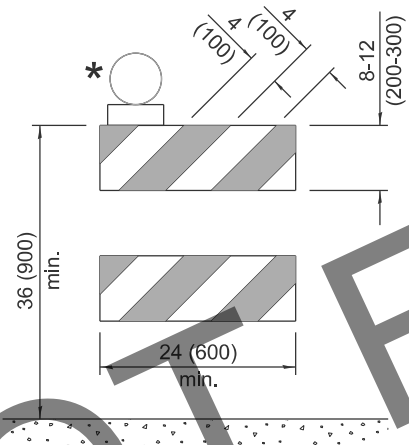
VERTICAL PANEL POST MOUNTED



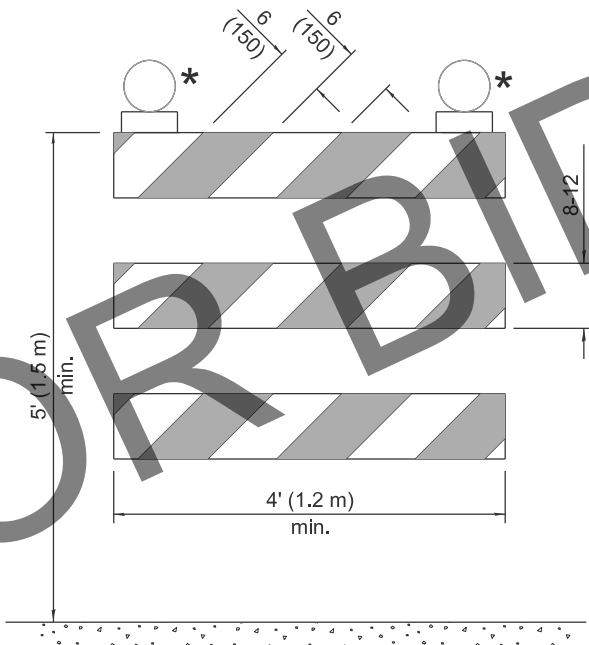
DRUM



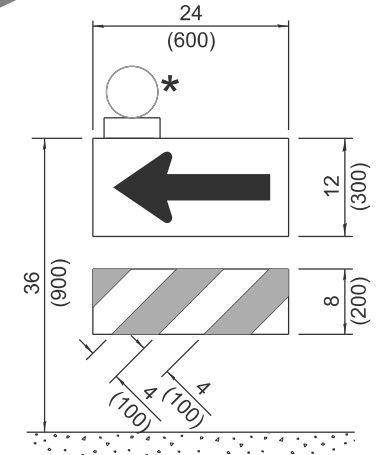
TYPE I BARRICADE



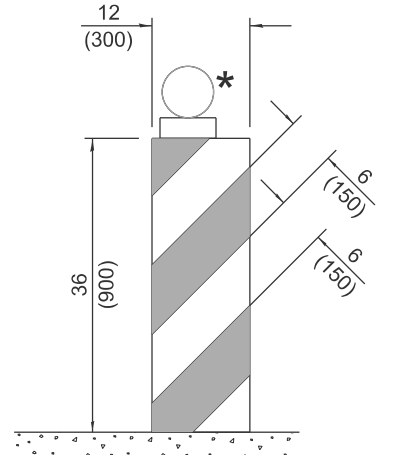
TYPE II BARRICADE



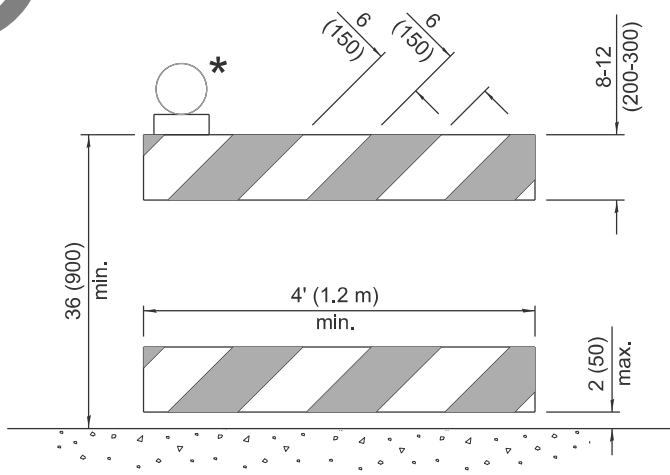
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

Illinois Department of Transportation

APPROVED January 1, 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

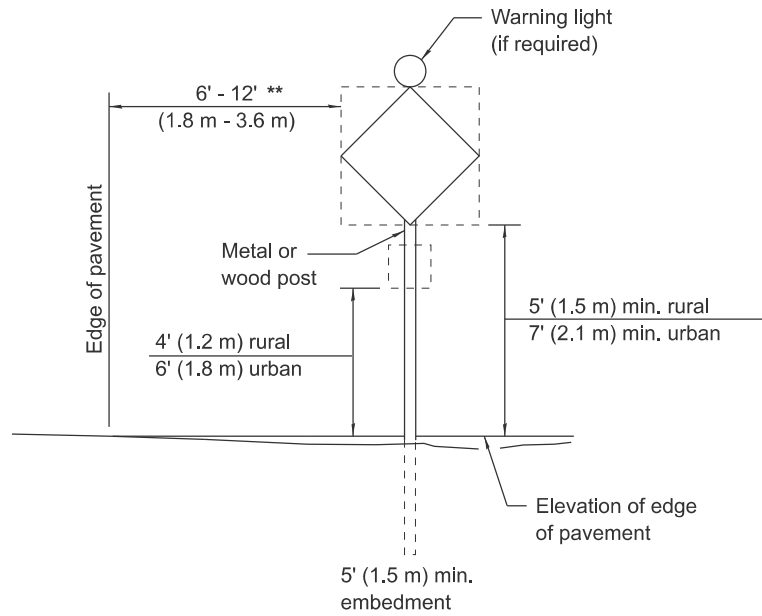
ISSUED 1-1-13

| 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

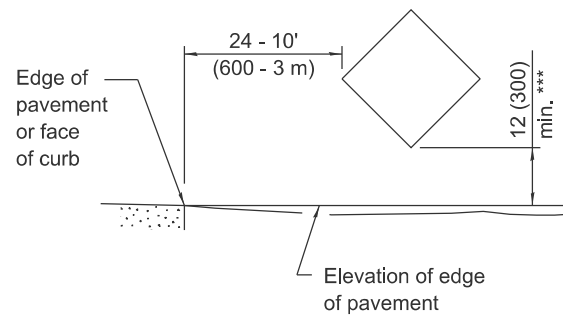
(Sheet 1 of 3)

STANDARD 701901-10



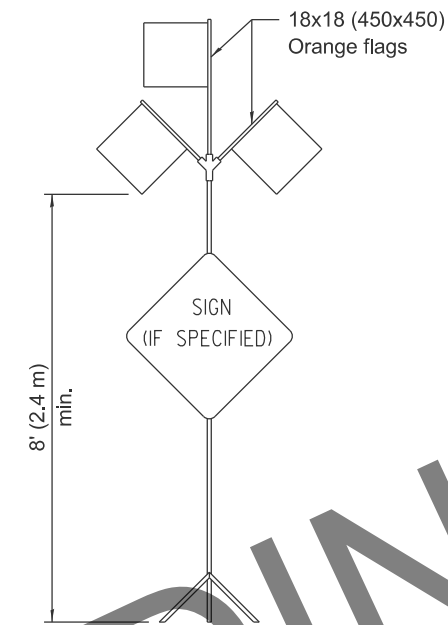
POST MOUNTED SIGNS

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



SIGNS ON TEMPORARY SUPPORTS

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



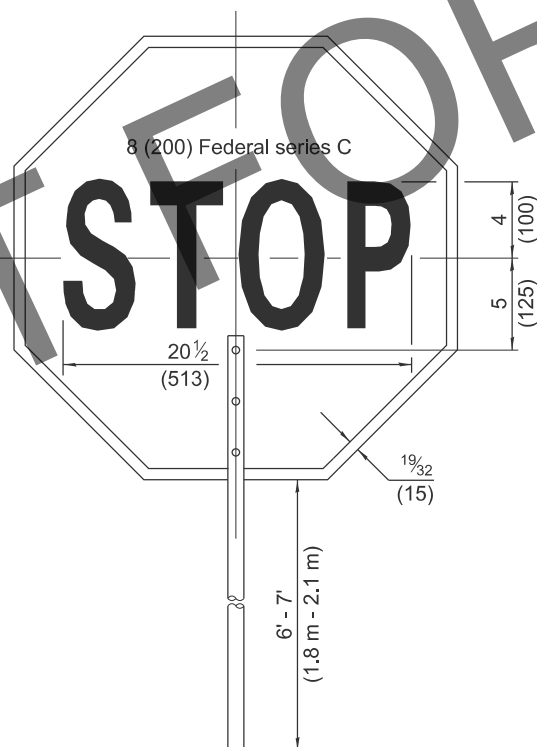
HIGH LEVEL WARNING DEVICE



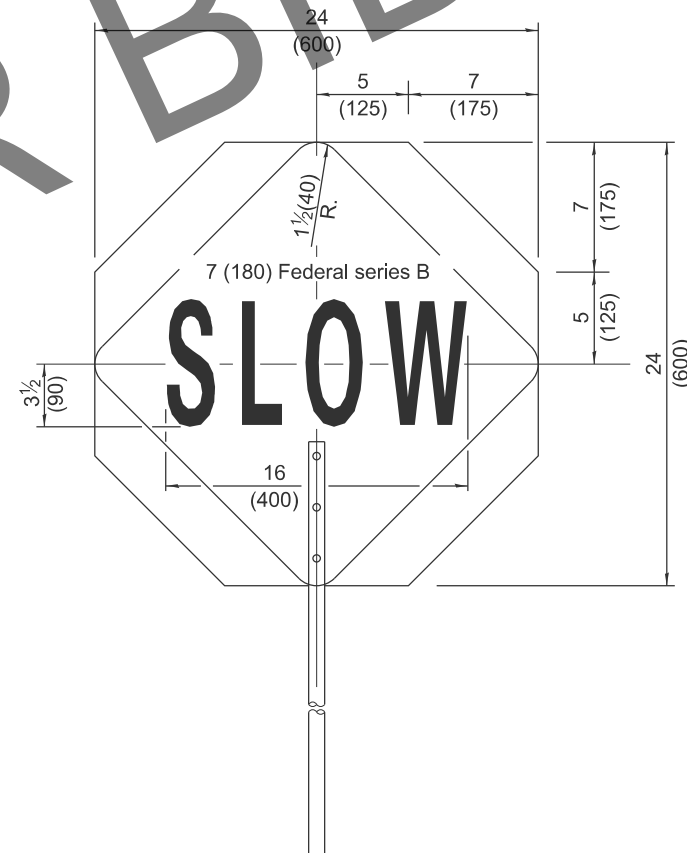
W12-1103-4848

WIDTH RESTRICTION SIGN

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



FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

ROAD CONSTRUCTION NEXT X MILES

G20-1104(0)-6036

END CONSTRUCTION

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

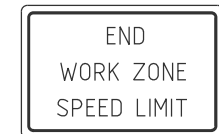
R2-1-3648

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

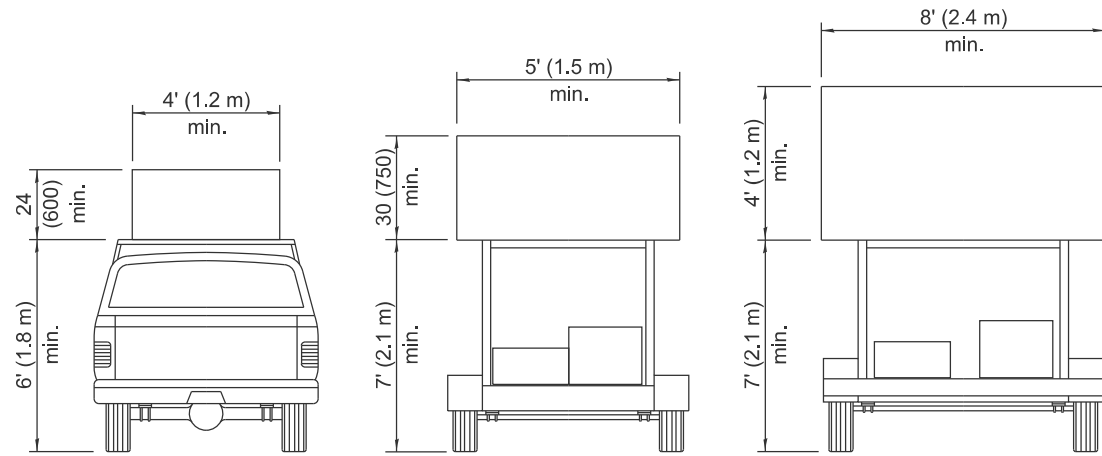
APPROVED January 1, 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

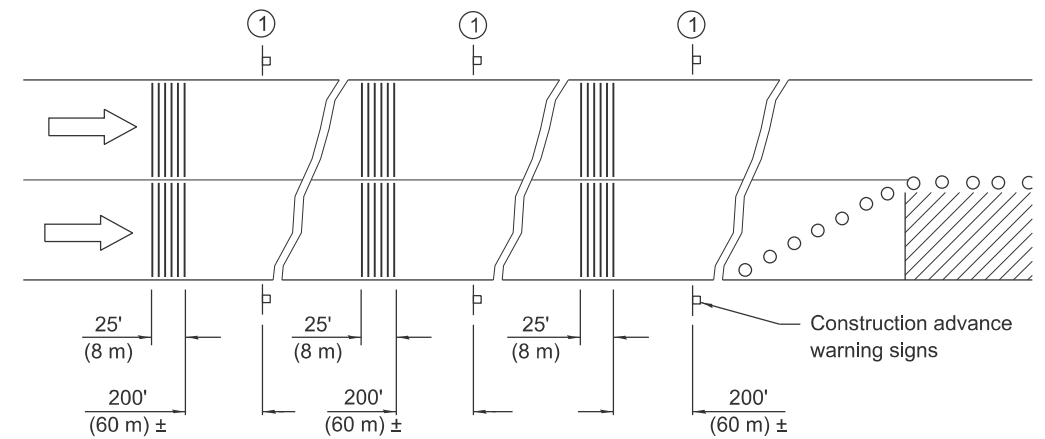


**TYPE A
ROOF
MOUNTED**

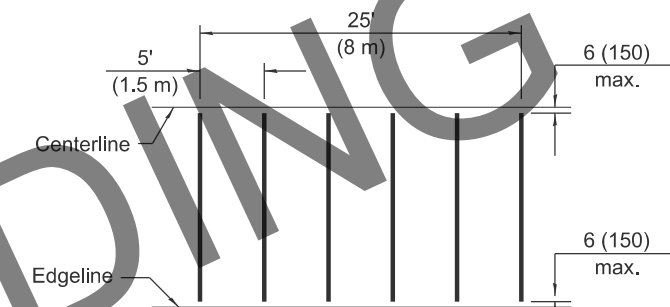
**TYPE B
ROOF OR TRAILER
MOUNTED**

**TYPE C
TRAILER
MOUNTED**

ARROW BOARDS

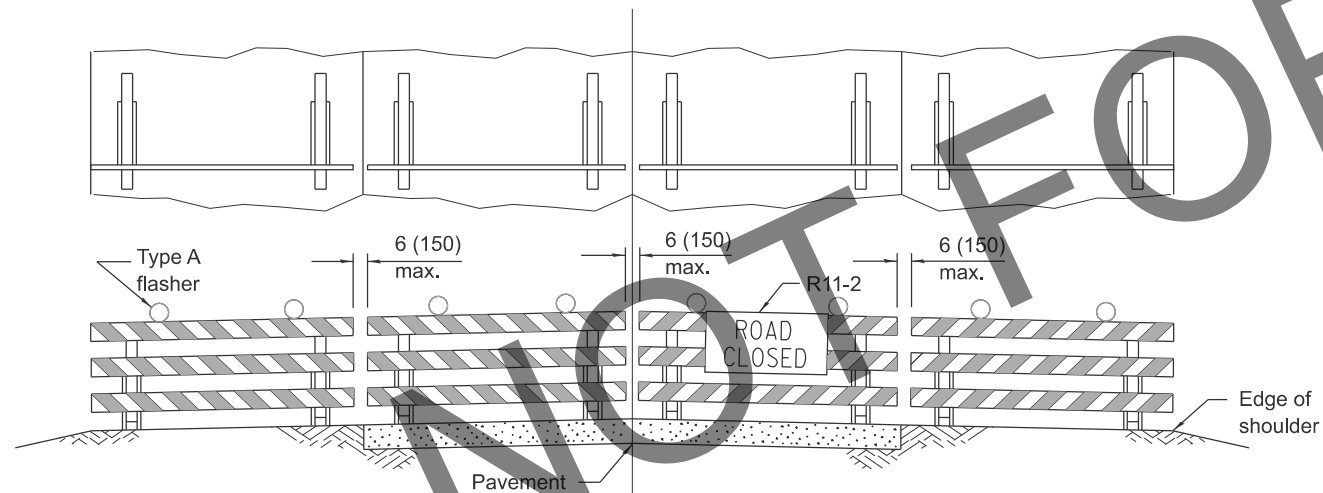


① This sign shall be omitted when median width is less than 10' (3 m).



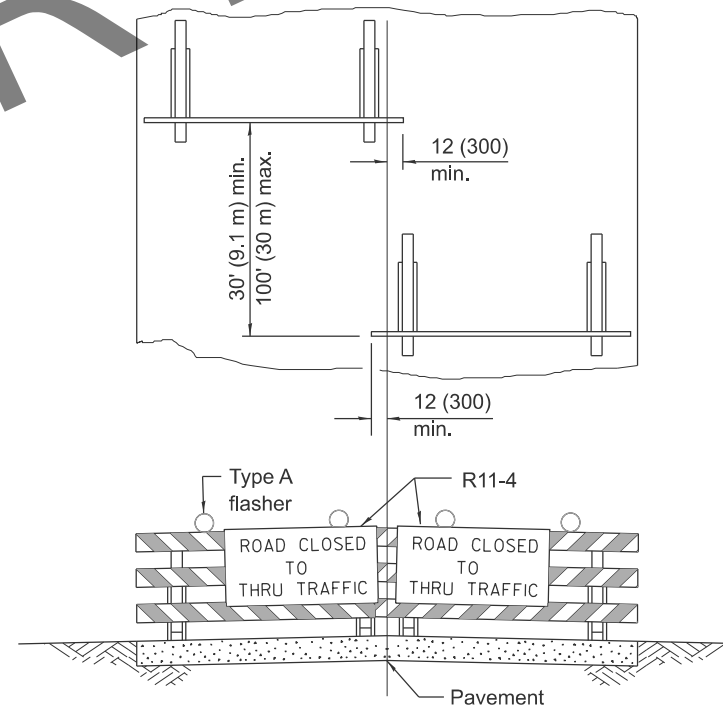
TYPICAL INSTALLATION

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

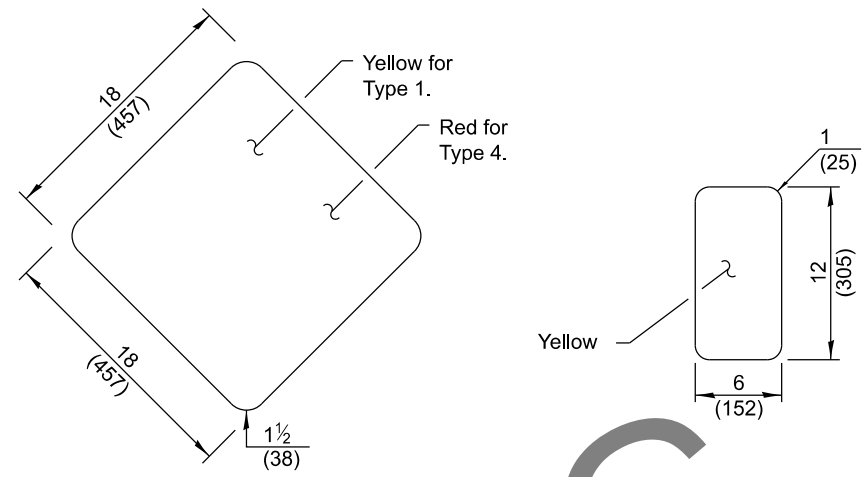
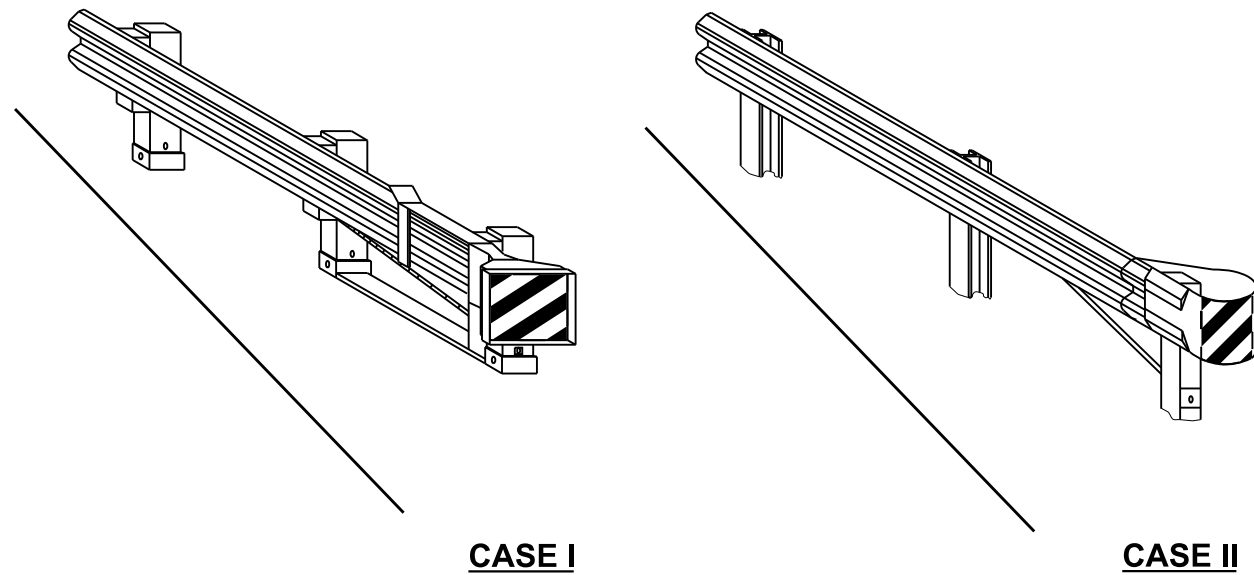
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

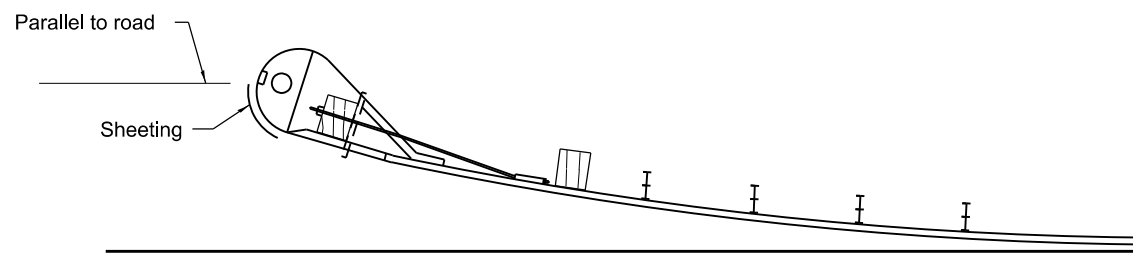
**TRAFFIC CONTROL
DEVICES**

(Sheet 3 of 3)

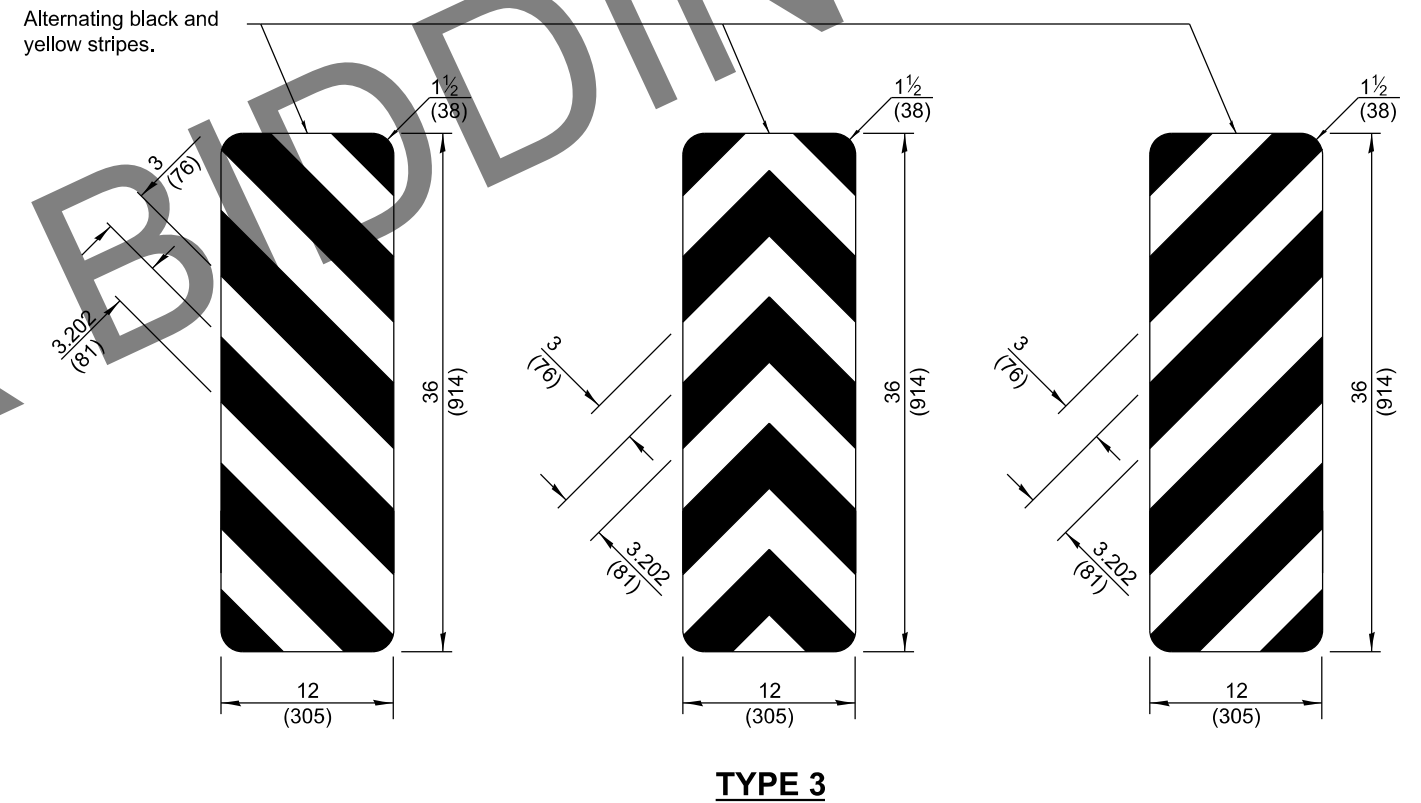
STANDARD 701901-10



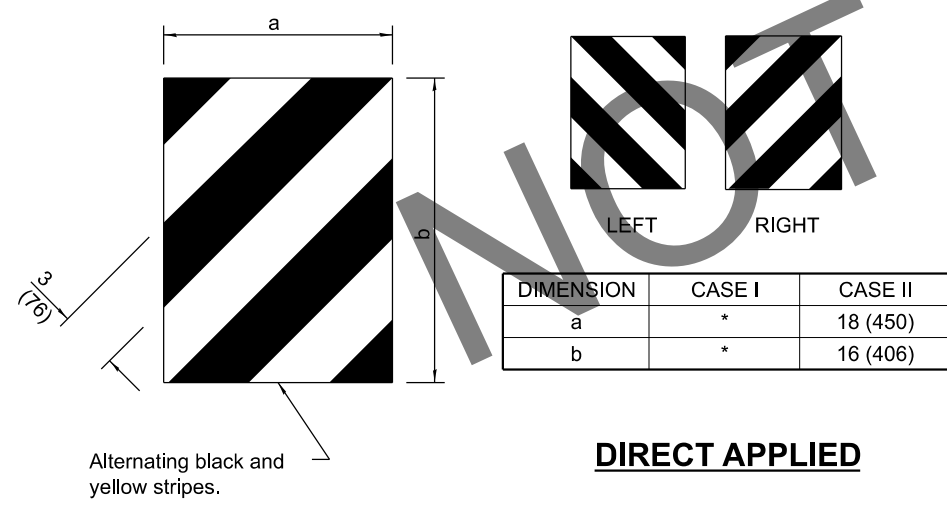
TYPE 1 OR TYPE 4 **TYPE 2**



SHEETING POSITION: CASE II

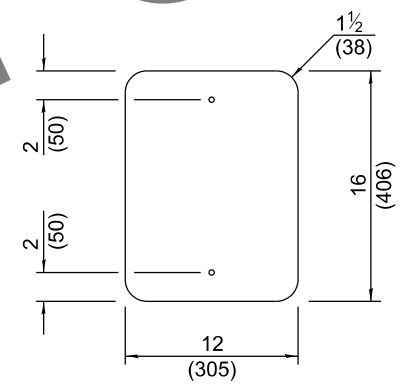


TYPE 3
OBJECT MARKER DETAILS



| DIMENSION | CASE I | CASE II |
|-----------|--------|----------|
| a | * | 18 (450) |
| b | * | 16 (406) |

DIRECT APPLIED



POST MOUNTED

TERMINAL MARKER DETAILS

Color: Black / Yellow reflectorized
 * The width and height (a, b) of the terminal marker shall be within approximately 1 (25) of the outer edge of the terminal end.

GENERAL NOTES

See detail on Standard 729001 for mounting markers to posts.
 All dimensions are in inches (millimeters) unless otherwise shown.

| DATE | REVISIONS |
|--------|--|
| 1-1-17 | Omitted minimum reflective area requirement for terminal marker. |
| 4-1-16 | Renumbered standard from 635006. |

**OBJECT AND
 TERMINAL MARKERS**

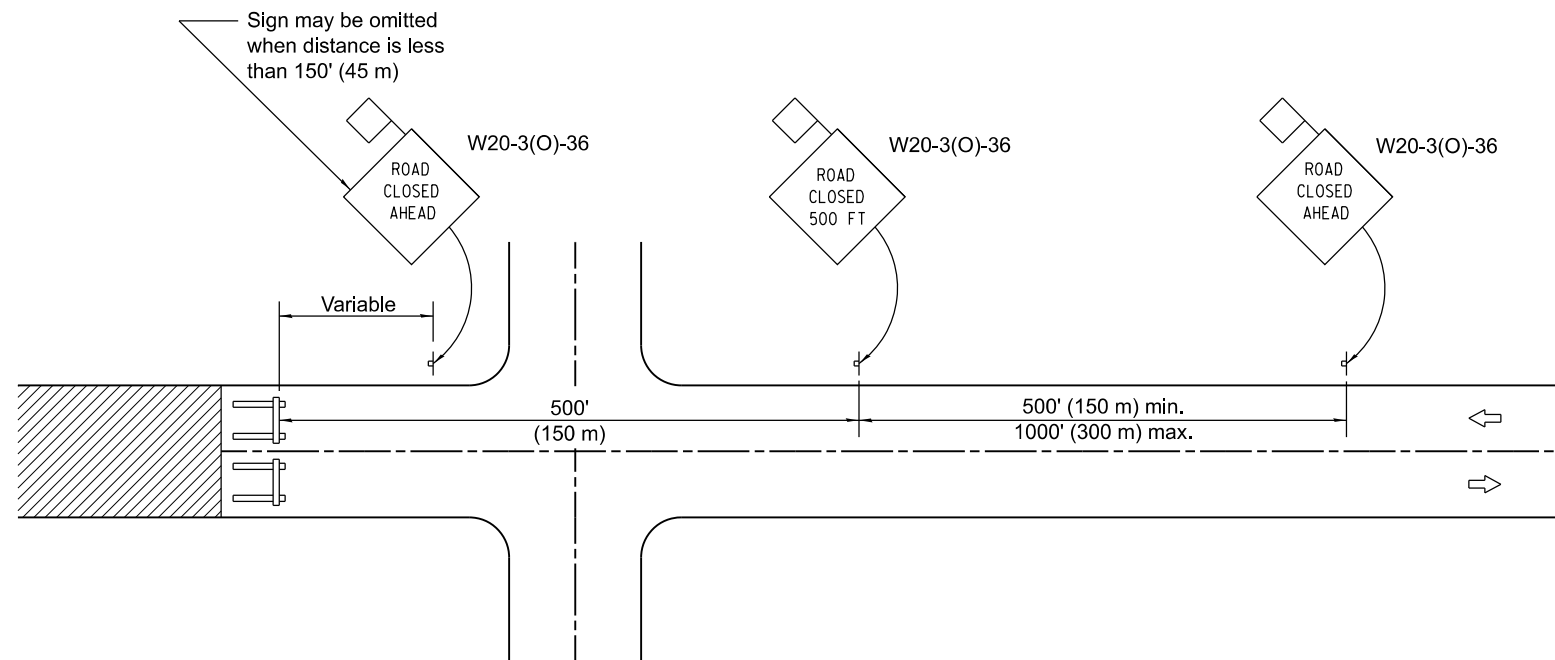
STANDARD 725001-01

Illinois Department of Transportation

APPROVED January 1, 2017
Amy Allen
 ENGINEER OF OPERATIONS

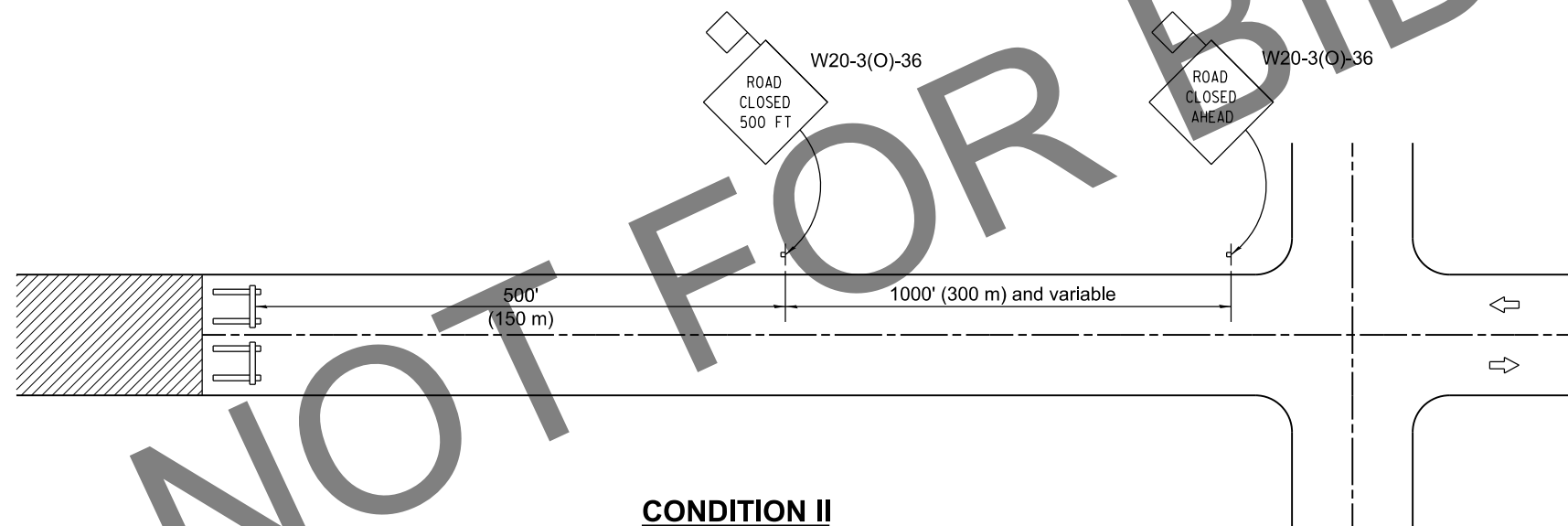
APPROVED January 1, 2017
Muhammad M. Abdalla
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-16



CONDITION I

When distance from closure to crossroad is less than 1500' (450 m)



CONDITION II

When distance from closure to crossroad is greater than 1500' (450 m)

SYMBOLS



Work area



Type III Barricade



Sign with 18 x 18 (450x450) min. orange flag attached

GENERAL NOTES

Type III Barricades and R11-2-4830 signs shall be positioned as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

Two Type A Low Intensity Flashing Lights shall be used on each approach in advance of the work area during hours of darkness. One light shall be installed above the barricades and the other above the first advance warning sign.

All warning signs shall have minimum dimensions of 36 x 36 (900 x 900) and have a black legend on an orange reflectorized background.

When fluorescent signs are used, orange flags are not required.

Longitudinal dimensions may be adjusted to fit field conditions.

When the distance between the barricade and the intersection is between 1500' (450 m) and 2000' (600 m), the advance sign shall be placed at the intersection. When the distance between the barricade and the intersection is over 2000' (600 m), an additional sign shall be placed at the intersection. The additional sign shall give the distance to the barricade in miles or fractions of a mile.

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

Illinois Department of Transportation

APPROVED January 1, 2012
Danell Lewis
 ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

| DATE | REVISIONS |
|--------|---------------------------------------|
| 1-1-12 | Omitted two notes from GENERAL NOTES. |
| 1-1-09 | Switched units to English (metric). |

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

STANDARD B.L.R. 21-9