



Contractor's Name

Big O' Services

Contractor's Address

P.O. Box 793, 1013 Tilton Rd.

City

Danville

State

IL

Zip Code

61834

STATE OF ILLINOIS

Local Public Agency

Vermilion County

County

Vermilion

Section Number

13-05145-00-BR

Street Name/Road Name

TR 325 (Stoney Creek Road)

Type of Funds

Township Bridge Program

CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature

Date

*A.J. [Signature]*

6-9-21

Submitted/Approved

County Engineer/Superintendent of Highways

Date

*Adam L. [Signature]*

6/9/21

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

[Blank Signature Box]

[Blank Date Box]

Official Title

[Blank Title Box]

Department of Transportation

Concurrence in approval of award

Regional Engineer Signature

Date

*[Signature]*

070721

Local Public Agency	Local Street/Road Name	County	Section Number
Vermilion County	TR 325 (Stoney Creek Road)	Vermilion	13-05145-00-BR

1. THIS AGREEMENT, made and concluded the \_\_\_\_\_ day of \_\_\_\_\_ between the County \_\_\_\_\_ of Vermilion, known as the party of the first part, and Big O'Services, LLC, its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 13-05145-00-BR in Vermilion County, approved by the Illinois Department of Transportation on 05/18/21, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The \_\_\_\_\_ County of Vermilion

Clerk \_\_\_\_\_ Date \_\_\_\_\_

Party of the First Part \_\_\_\_\_ Date \_\_\_\_\_

(SEAL)

(If a Corporation)

Corporate Name \_\_\_\_\_

President, Party of the Second Part \_\_\_\_\_ Date \_\_\_\_\_

By: \_\_\_\_\_

(SEAL)

(If a Limited Liability Corporation)

LLC Name Big O Services, LLC

Manager or Authorized Member, Party of the Second Part \_\_\_\_\_

By: Heath Neil Oml

(If a Partnership)

Partner \_\_\_\_\_ Date \_\_\_\_\_

Partner \_\_\_\_\_ Date \_\_\_\_\_

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

(SEAL)

Partners doing Business under the firm name of Party of the Second Part \_\_\_\_\_

(If an individual)

Party of the Second Part \_\_\_\_\_ Date \_\_\_\_\_



Local Public Agency: Vermillion County; County: Vermillion; Street Name/Road Name: TR 325 (Stoney Creek Rd); Section Number: 13-05145-00-BR

Bond information to be returned to Local Public Agency at 2732 Batestown Rd. Oakwood, IL 61858 Complete Address

We, Big O Services LLC P.O. Box 793 Danville IL 61834 Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and State

Washington International Insurance Company 1200 Main Street Suite 800 Kansas City MO 64105 Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (thereafter referred to as "LPA") in the penal sum of Two Hundred Ninety Six Thousand Seven Hundred Ninety Four Dollars and Four Cents Dollars (\$296,794.04) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves, successors and assigns jointly to 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 has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this 11th day of June 2021

PRINCIPAL

Company Name: Big O Services LLC

Company Name: [Blank]

By: Signature & Title (Handwritten signature), Date: 06/11/2021

By: Signature & Title, Date

Attest: Signature & Title, Date: 06/11/2021

Attest: Signature & Title, Date

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

STATE OF IL  
COUNTY OF Champaign

I, Leslie Wranovics, a Notary Public in and for said county, do hereby certify that  
Notary Name

H. Nicholas O'Neil and Starletta Andrews

Insert name of individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 11th day of June 2021  
Day Month, Year

(SEAL)



Notary Public Signature

*Leslie Wranovics*

Date commission expires 07/19/2024

**SURETY**

Name of Surety

Washington International Insurance Company

Title Ashlyn B Tucker, Attorney-in-Fact

By:

*Ashlyn B. Tucker*

STATE OF IL  
COUNTY OF Champaign

I, Leslie Wranovics, a Notary Public in and for said county, do hereby certify that  
Notary Name

Ashlyn B Tucker

Insert name of individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this 11th day of June 2021  
Day Month, Year

(SEAL)



Notary Public Signature

*Leslie Wranovics*

Date commission expires 07/19/2024

Approved this \_\_\_\_\_ day of \_\_\_\_\_  
Day Month, Year

Attest:

Local Public Agency Clerk Signature

*Cathy Franklin (w)*

Date

7-2-2021

Awarding Authority

\_\_\_\_\_

Awarding Authority Signature

*[Signature]*

Date

7/1/2021

Local Public Agency Type \_\_\_\_\_ Clerk

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make constitute and appoint:

KEVIN J. BREHENY, RANDY S. CANNADY, TIM R. PATTON, DANIEL A. MARTINI

BLAKE E. ALLISON, RANDY S. TAYLOR, JAMES D. MORGASON and ASHLYN B. TUCKER JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

TWO HUNDRED MILLION (\$200,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

[Signature of Steven P. Anderson]

By Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

[Signature of Michael A. Ito]



IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 22nd day of OCTOBER, 20 20.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook ss:

On this 22nd day of OCTOBER, 20 20, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature of M. Kenny]
M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 11th day of June, 20 21.

[Signature of Jeffrey Goldberg]



**Affidavit of Availability**  
For the Letting of 06/06/21



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	19-00080-00-br	20-06095-00-br	19-00077-00-br	19-29081-00-br		
Contract With	champaign coun	champaign coun	champaign coun	champaign coun		
Estimated Completion Date	09/30/21	10/15/21	08/06/21	08/06/21		
Total Contract Price	\$544,190	\$348,374	\$524,854	\$305,694		
Uncompleted Dollar Value if Firm is the Prime Contractor	\$544,190	\$348,374	\$104,722	\$249,091		\$1,246,377
Uncompleted Dollar Value if Firm is the Subcontractor						
<b>Total Value of All Work</b>						<b>\$1,246,377</b>

**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	\$57,812	\$61,969		\$103,732		\$223,513
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces		\$15,939		\$27,680		\$43,619
Highway, R.R., Waterway Struc.	\$400,590	\$252,106		\$87,759		\$740,455
Drainage				\$8,630		\$8,630
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail		\$18,360				\$18,360
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
<b>Totals</b>	<b>\$458,402</b>	<b>\$348,374</b>		<b>\$227,801</b>		<b>\$1,034,577</b>

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	cross construction		open rd paving	midwest fence	
Type of Work	asphalt and aggergat		asphalt and shoulder	guardrail	
Subcontract Price	\$39,174		\$66,797	\$21,290	
Amount Uncompleted	\$39,174		\$66,797	\$21,290	
Subcontractor	midwest fence		midwest fence		
Type of Work	guardrail		guardrail		
Subcontract Price	\$46,614		\$51,967		
Amount Uncompleted	\$46,614		\$31,687		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>	<b>\$85,788</b>		<b>\$98,484</b>	<b>\$21,290</b>	

**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

Harold Nicholas O'Neil

Title

Owner

Signature

*Harold Nicholas O'Neil*

Date

6-28-22

Company

Big O Services LLC

Address

P.O. Box 793

City

Danville

State

IL

Zip Code

61834

Subscribed and sworn to before me  
 this 28 day of JUNE 2021

*Starletta L. Andrews*  
 (Signature of Notary Public)

My commission expires 11-8-23

Official Seal  
 Starletta L. Andrews  
 Notary Public State of Illinois  
 My Commission Expires 11/08/2023

(Notary Seal)

Add pages for additional contracts

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Vermilion County	Vermilion	13-05145-00-BR	TR 325 (Stoney Creek Road)

**NOTICE TO BIDDERS**

Sealed proposals for the project described below will be received at the office of Vermilion County Highway Department  
 2732 Batestown Rd, Oakwood, IL 61858  
 Address until 10:00 Am on 06-02-21  
 Time Date

Sealed proposals will be opened and read publicly at the office of Vermilion County Highway Department  
 2732 Batestown Rd, Oakwood, IL 61858  
 Address at 10:00 Am on 06-02-21  
 Time Date

**DESCRIPTION OF WORK**

Location	Project Length
TR 325 (Stoney Creek Rd) over Stream, SE Corner 26, T19N, R11W, 2nd PM	668 ft (0.126 mi)
Proposed Improvement	
Replacement of a single span PPC Deck Beam Bridge with a single span PPC Deck Beam Bridge on spill-thru abutments.	

1. Plans and proposal forms will be available in the office of  
Vermilion County Highway Department  
 2732 Batestown Rd.  
 Oakwood, IL 61858

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)
Vermilion County	Vermilion	13-05145-00-BR	TR 325 (Stoney Creek Road)

1. Proposal of Big O Services, LLC  
Contractor's Name  
P.O. Box 793, 1013 Tilton Rd, Danville, IL 61834  
Contractor's Address

2. The plans for the proposed work are those prepared by the Vermilion County Highway Department and approved by the Department of Transportation on 05-18-21
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 Vermilion County  
 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)
Vermilion County	Vermilion	13-05145-00-BR	TR 325 (Stoney Creek 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.

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

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

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

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

Local Public Agency

Vermilion County

County

Vermilion

Section Number

13-05145-00-BR

Route(s) (Street/Road Name)

TR 325 (Stoney Creek Road)

**SIGNATURES**

(If an individual)

Limited Liability Co.

Signature of Bidder

*Paul Hill Owl*

Date

6-2-21

Business Address

1013 Tilton Rd, P.O. Box 793

City

Danville

State

IL

Zip Code

61834

(If a partnership)

Firm Name

Signature

Date

Title

Business Address

City

State

Zip Code

Insert the Names and Addresses of all Partners

(If a corporation)

Corporate Name

Signature

Date

Title

Business Address

City

State

Zip Code

Insert Names of Officers

President

Attest:

Secretary

Secretary

Treasurer



Contractor's Name

Big O Services, LLC

Contractor's Address

P.O. Box 793, 1013 Tilton Rd

City

Danville

State

IL

Zip Code

61834

Local Public Agency

Vermilion County Highway Department

County

Vermilion

Section Number

13-05145-00-BR

Route(s) (Street/Road Name)

TR 325 (Stoney Creek Rd)

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.)

#296,794.04

Item Number	Items	Unit	Quantity	Unit Price	Total
20200100	Earth Excavation	Cu Yd	595	21.00	12,495 -
20300100	Channel Excavation	Cu Yd	55	21.00	1,155 -
20400800	Furnished Excavation	Cu Yd	80	30.00	2,400 -
25000200	Seeding, Class 2	Acre	0.5	2,600	1,300 -
25000400	Nitrogen Fertilizer Nutrient	Pound	45	3.00	135 -
25000500	Phosphorus Fertilizer Nutrient	Pound	45	3.00	135 -
25000600	Potassium Fertilizer Nutrient	Pound	45	3.00	135 -
25100115	Mulch, Method 2	Acre	0.5	3,200 -	1,600 -
28000250	Temporary Erosion Control	Pound	45	2.00	90 -
	Seeding				
28000400	Perimeter Erosion Barrier	Foot	432	2.00	864 -
28000500	Inlet And Pipe Protection	Each	3	150.00	450 -
40200800	Aggregate Surface Course, Type B	Ton	772	35.50	27,406 -
50100100	Removal Of Existing Structures	Each	1	11,000 -	11,000 -
50105220	Pipe Culvert Removal	Foot	210	4.50	945 -
50200100	Structure Excavation	Cu Yd	63	25.00	1,575 -
50300225	Concrete Structures	Cu Yd	24.8	750 -	18,400 -
50400405	Precast Prestressed Concrete Deck Beams (21" Depth)	Sq Ft	1242	92.92	115,406.64
50800205	Reinforcement Bars, Epoxy Coated	Pound	3270	2.00	6,540 -
50900205	Steel Railing, Type S1	Foot	92	168 -	15,456 -
51201400	Furnishing Steel Piles Hp 10X42	Foot	440	30 -	13,200 -

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Vermilion County Highway Department	Vermilion	13-05145-00-BR	TR 325 (Stoney Creek R

Item Number	Items	Unit	Quantity	Unit Price	Total
51202305	Driving Piles	Foot	440	0.01	4.40
51204650	Pile Shoes	Each	10	130 -	1,300 -
51203400	Test Pile Steel Hp 10X42	Each	2	10,000 -	20,000 -
51500100	Name Plates	Each	1	600 -	600 -
54205050	Pipe Culverts, Special 15"	Foot	46	40 -	1,840 -
54205059	Pipe Culverts, Special 24"	Foot	40	45 -	1,800 -
59300100	Controlled Low-Strength	Cu Yd	33.8	90 -	3,042 -
	Material				
67100100	Mobilization	L Sum	1	8,500 -	8,500 -
72501000	Terminal Marker -	Each	4	50 -	200 -
	Direct Applied				
X2010400	Stump Removal Only	Unit	190	13 -	2,470 -
X2810208	Stone Riprap, Class A4	Ton	235	77 -	18,095 -
	(Special)				
X7011800	Traffic Control And Protection,			3,500 -	3,500 -
	Standard BLR 21	L Sum	1		
Z0013798	Construction Layout	L Sum	1	2,350 -	2,350 -
XX004566	Concrete Cut-Off Wall	Cu Yd	6.3	350 -	2,205 -
Bidder's Total Proposal					\$0.00

*296,794.04*

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.

06/02/2021

8:28

vermillion county danville twrship bridge

21009  
\*\*\*

<u>BidItem</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
20200100	earth excavation	U	595.000	CY	21.00	12,495.00
20300100	channel excavation	U	55.000	CY	21.00	1,155.00
20400800	furnished excavation	U	80.000	CY	30.00	2,400.00
25000200	seeding class 2	U	0.500	AC	2,600.00	1,300.00
25000400	nitrogen fertilizer	U	45.000	LB	3.00	135.00
25000500	phosphorus fertilizer	U	45.000	LB	3.00	135.00
25000600	potassium fertilizer	U	45.000	LB	3.00	135.00
25100115	mulch method 2	U	0.500	AC	3,200.00	1,600.00
28000250	temp erosion control seeding	U	45.000	LB	2.00	90.00
28000400	perimeter erosion barrier	U	432.000	LF	2.00	864.00
28000500	inlet pipe protection	U	3.000	EA	150.00	450.00
40200800	agg surface course type b	U	772.000	TN	35.50	27,406.00
50100100	removal existing structure	U	1.000	EA	11,000.00	11,000.00
50105220	pipe culvert removal	U	210.000	LF	4.50	945.00
50200100	structure excavation	U	63.000	CY	25.00	1,575.00
50300225	concrete structures	U	24.800	CY	750.00	18,600.00
50400405	precast prestressed concrete beams 21"	U	1,242.000	SF	92.92	115,406.64
50800205	reinforcing bars epoxy	U	3,270.000	LB	2.00	6,540.00
50900205	steel railing type s1	U	92.000	LF	168.00	15,456.00
51201400	furnishing steel pile hp 10x42	U	440.000	LF	30.00	13,200.00
51202305	driving pile	U	440.000	LF	0.01	4.40
51203400	test pile steel hp 10x42	U	2.000	EA	10,000.00	20,000.00
51204650	pile shoes	U	10.000	EA	130.00	1,300.00
51500100	name plate	U	1.000	EA	600.00	600.00
54205050	pipe culverts special 15"	U	46.000	LF	40.00	1,840.00
54205059	pipe culverts special 24"	U	40.000	LF	45.00	1,800.00
59300100	clsm	U	33.800	CY	90.00	3,042.00
67100100	mobilization	U	1.000	LS	8,500.00	8,500.00
72501000	terminal marker direct apply	U	4.000	EA	50.00	200.00
82010400	stump removal only	U	190.000	UN	13.00	2,470.00
82810208	stone riprap class a4	U	235.000	TN	77.00	18,095.00
87011800	traffic control blr21	U	1.000	LS	3,500.00	3,500.00
88004566	concrete cut off wall	U	6.300	CY	350.00	2,205.00
90013798	construction layout	U	1.000	LS	2,350.00	2,350.00

**BID TOTALS**

Bid Total



\$296,794.04



Illinois Department of Transportation

Local Public Agency Proposal Bid Bond



Local Public Agency Vermilion County	County Vermilion	Section Number 13-05145-00-BR
---	---------------------	----------------------------------

WE, Big O Services, LLC

as PRINCIPAL, and Washington International Insurance Company 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 2nd of June 2021

Principal

Company Name	<u>Big O Services, LLC</u>
Signature	<u>[Signature]</u>
Date	<u>06/02/2021</u>
Title	<u>Owner / Manager</u>

Company Name	
Signature	
Date	
Title	

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

Surety

Name of Surety	<u>Washington International Insurance Company</u>
----------------	---

Signature of Attorney-in-Fact	<u>[Signature]</u>
Date	<u>06/02/2021</u>

STATE OF IL  
COUNTY OF Illinois  
I Kurt Djordjevic

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

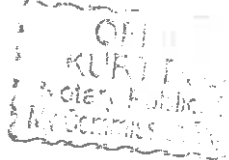
Harold O'Neil and Ashlyn B Tucker

(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 2nd day of June 2021

(SEAL)



Notary Public Signature

[Signature]

Date commission expires 04/24/2023



Local Public Agency

Vermilion County

County

Vermilion

Section Number

13-05145-00-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

--

SWISS RE CORPORATE SOLUTIONS

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WESTPORT INSURANCE CORPORATION

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Kansas City, Missouri and Washington International Insurance Company a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Kansas City, Missouri, and Westport Insurance Corporation, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make constitute and appoint:

KEVIN J. BREHENY, RANDY S. CANNADY, TIM R. PATTON, DANIEL A. MARTINI

BLAKE E. ALLISON, RANDY S. TAYLOR, JAMES D. MORGASON and ASHLYN B. TUCKER JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

TWO HUNDRED MILLION (\$200,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on March 24, 2000 and Westport Insurance Corporation by written consent of its Executive Committee dated July 18, 2011.

RESOLVED, that any two of the President, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation

By Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company & Senior Vice President of Westport Insurance Corporation



IN WITNESS WHEREOF, North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 22nd day of OCTOBER, 20 20.

North American Specialty Insurance Company
Washington International Insurance Company
Westport Insurance Corporation

State of Illinois
County of Cook

ss:

On this 22nd day of OCTOBER, 20 20, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of

Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation and Michael A. Ito Senior Vice President of Washington International Insurance Company and Senior Vice President

of North American Specialty Insurance Company and Senior Vice President of Westport Insurance Corporation, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Vice President and Assistant Secretary of North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company, Washington International Insurance Company and Westport Insurance Corporation which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 2nd day of June, 20 21.



Local Public Agency	County	Street Name/Road Name	Section Number
Vermilion County	Vermilion	TR 325 (Stoney Creek Rd)	13-05145-00-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.

- 1- Mid Central IL Regional Council of Carpenters & Apprentic Training - Local 29
- 2- Champ/Urbana Plasters & Central masons - Local 143
- 3- IL Laborers & Contractors JAYPT - Local 793
- 4- Operator Engineers - Local 841
- 5- Central IL Builders of Assoc & Inter. Assoc. of Bridge Structural Ornments Danville

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
Big O Services, LLC	Hall ml W	6-2-21
Title		
Owner/Manager		
Address	City	State Zip Code
P.O. Box 793, 1013 Tilton Rd	Danville	IL 61834



Local Public Agency	County	Street Name/Road Name	Section Number
Vermilion County	Vermilion	TR 325 (Stoney Creek Rd)	13-05145-00-BR

I, H. Nicholas O'Neil of Danville, Illinois  
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

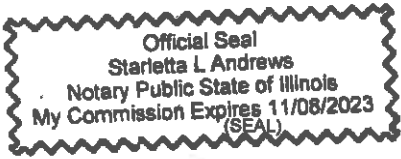
1. That I am the Owner of Big O Services, LLC  
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Big O Services, LLC, will maintain a business office in the  
Bidder  
 State of Illinois, which will be located in Vermilion 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
<u>H. Nicholas O'Neil</u>	<u>6-2-21</u>
Print Name of Affiant	
<u>H. Nicholas O'Neil</u>	

Notary Public  
 State of IL  
 County Vermilion

Signed (or subscribed or attested) before me on June 2, 2021 by  
(date)

H. Nicholas O'Neil authorized agent(s) of  
(name/s of person/s)  
Big O Services, LLC  
Bidder



Signature of Notary Public  
Starletta L. Andrews  
 My commission expires 11/8/23

**INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS**

Adopted January 1, 2021

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

**ERRATA** Standard Specifications for Road and Bridge Construction  
(Adopted 4-1-16) (Revised 1-1-21)

**SUPPLEMENTAL SPECIFICATIONS**

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
106 Control of Materials .....	1
107 Legal Regulations and Responsibility to Public .....	2
109 Measurement and Payment .....	3
205 Embankment .....	4
403 Bituminous Surface Treatment (Class A-1, A-2, A-3) .....	5
404 Micro-Surfacing and Slurry Sealing .....	6
405 Cape Seal .....	17
406 Hot-Mix Asphalt Binder and Surface Course .....	27
420 Portland Cement Concrete Pavement .....	28
424 Portland Cement Concrete Sidewalk .....	30
442 Pavement Patching .....	31
502 Excavation for Structures .....	32
503 Concrete Structures .....	35
504 Precast Concrete Structures .....	38
505 Steel Structures .....	40
506 Cleaning and Painting New Steel Structures .....	41
511 Slope Wall .....	42
522 Retaining Walls .....	44
542 Pipe Culverts .....	45
586 Sand Backfill for Vaulted Abutments .....	46
602 Catch Basin, Manhole, Inlet, Drainage Structure, and Valve Vault Construction, Adjustment, and Reconstruction .....	48
603 Adjusting Frames and Grates of Drainage and Utility Structures .....	49
630 Steel Plate Beam Guardrail .....	50
631 Traffic Barrier Terminals .....	53
670 Engineer's Field Office and Laboratory .....	54
701 Work Zone Traffic Control and Protection .....	55
704 Temporary Concrete Barrier .....	58
780 Pavement Striping .....	60
781 Raised Reflective Pavement Markers .....	61
783 Pavement Marking and Marker Removal .....	62
888 Pedestrian Push-Button .....	64
1001 Cement .....	65
1003 Fine Aggregates .....	66
1004 Coarse Aggregates .....	67



Local Public Agency	County	Section Number
Vermilion County	Vermilion	13-05145-00-BR

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	97
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	100
3	<input checked="" type="checkbox"/> EEO	101
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	111
5	<input type="checkbox"/> Required Provisions - State Contracts	116
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	122
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	123
8	<input checked="" type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	124
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	125
10	<input checked="" type="checkbox"/> Construction Layout Stakes	128
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	131
12	<input type="checkbox"/> Subsealing of Concrete Pavements	133
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	137
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	139
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	140
16	<input type="checkbox"/> Polymer Concrete	142
17	<input type="checkbox"/> PVC Pipeliner	144
18	<input type="checkbox"/> Bicycle Racks	145
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	147
20	<b>Reserved</b>	149
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	150
22	<input type="checkbox"/> English Substitution of Metric Bolts	151
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	152
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	153
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	161
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	177
27	<b>Reserved</b>	179
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment (A-1)	180
29	<b>Reserved</b>	186
30	<b>Reserved</b>	187
31	<b>Reserved</b>	188
32	<input type="checkbox"/> Temporary Raised Pavement Markers	189
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	190
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	193
35	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	197
36	<input type="checkbox"/> Longitudinal Joint and Crack Patching	200
37	<input checked="" type="checkbox"/> Concrete Mix Design - Department Provided	202

Local Public Agency

County

Section Number

Vermilion County

Vermillion

13-05145-00-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	<b>Reserved</b>	204
LRS 2	<input checked="" type="checkbox"/> Furnished Excavation	205
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control Surveillance	206
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	207
LRS 5	<input checked="" type="checkbox"/> Contract Claims	208
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	209
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	215
LRS 8	<b>Reserved</b>	221
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	222
LRS 10	<b>Reserved</b>	223
LRS 11	<input checked="" type="checkbox"/> Employment Practices	224
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	226
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	228
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	229
LRS 15	<input checked="" type="checkbox"/> Partial Payments	232
LRS 16	<input checked="" type="checkbox"/> Protests on Local Lettings	233
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	234
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	235

**BDE SPECIAL PROVISIONS**  
For the April 23 and June 11, 2021 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 BD&E. An \* indicates a new or revised special provision for the letting.

File Name #	Special Provision Title	Effective	Revised
80099 1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	April 1, 2020
80274 2	<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192 3	<input type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	
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	
80241 7	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50261 8	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481 9	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491 10	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531 11	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80425 12	<input type="checkbox"/> Cape Seal	Jan. 1, 2020	Jan. 1, 2021
80384 13	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
80198 14	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199 15	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293 16	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311 17	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80261 18	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387 19	<input type="checkbox"/> Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
80434 20	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
80029 21	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
80402 22	<input checked="" type="checkbox"/> Disposal Fees	Nov. 1, 2018	
80378 23	<input type="checkbox"/> Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
80421 24	<input type="checkbox"/> Electric Service Installation	Jan. 1, 2020	
80415 25	<input type="checkbox"/> Emulsified Asphalts	Aug. 1, 2019	
80423 26	<input type="checkbox"/> Engineer's Field Office and Laboratory	Jan. 1, 2020	
80229 27	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80417 28	<input type="checkbox"/> Geotechnical Fabric for Pipe Underdrains and French Drains	Nov. 1, 2019	
80420 29	<input type="checkbox"/> Geotextile Retaining Walls	Nov. 1, 2019	
80433 30	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	
80304 31	<input type="checkbox"/> Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2020
80422 32	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Nov. 1, 2020
80416 33	<input type="checkbox"/> Hot-Mix Asphalt – Binder and Surface Course	July 2, 2019	Nov. 1, 2019
80398 34	<input type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Nov. 1, 2019
80406 35	<input type="checkbox"/> Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Jan. 1, 2019	Jan. 2, 2021
80347 36	<input type="checkbox"/> Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	July 2, 2019
80383 37	<input type="checkbox"/> Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	July 2, 2019
80411 38	<input type="checkbox"/> Luminaires, LED	April 1, 2019	
80393 39	<input type="checkbox"/> Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
80045 40	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Aug. 1, 2014
80418 41	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
80424 42	<input type="checkbox"/> Micro-Surfacing and Slurry Sealing	Jan. 1, 2020	Jan. 1, 2021
80428 43	<input checked="" type="checkbox"/> Mobilization	April 1, 2020	
80412 44	<input type="checkbox"/> Obstruction Warning Luminaires, LED	Aug. 1, 2019	
80430 45	<input checked="" type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
80359 46	<input type="checkbox"/> Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2019



80431	47	<input type="checkbox"/>	Portland Cement Concrete Pavement Patching	July 1, 2020	
80432	48	<input type="checkbox"/>	Portland Cement Concrete Pavement Placement	July 1, 2020	
80300	49	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
34261	50	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	51	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	52	<input type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 2, 2021
80407	53	<input checked="" type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	Jan. 1, 2020
80419	54	<input checked="" type="checkbox"/>	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Nov. 1, 2019	April 1, 2020
80395	55	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	56	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	57	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80408	58	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80413	59	<input type="checkbox"/>	Structural Timber	Aug. 1, 2019	
80397	60	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	61	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
		<input type="checkbox"/>	Surface Testing	Jan. 1, 2021	April 1, 2021
80298	64	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
80409	65	<input checked="" type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
80410	66	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
20338	67	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80318	68	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80429	69	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	
80288	70	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	71	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80414	72	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	April 1, 2020
80427	73	<input type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
80071	74	<input checked="" type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2021 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>
80277	Concrete Mix Design – Department Provided	Check Sheet #37	Jan. 1, 2012	April 1, 2016
80405	Elastomeric Bearings	Article 1083.01	Jan. 1, 2019	
80388	Equipment Parking and Storage	Article 701.11	Nov. 1, 2017	
80165	Moisture Cured Urethane Paint System	Article 1008.06	Nov. 1, 2006	Jan. 1, 2010
80349	Pavement Marking Blackout Tape	Articles 701.04, 701.19(f), 701.20(j) and 1095.06	Nov. 1, 2014	April 1, 2016
80371	Pavement Marking Removal	Articles 783.02-783.04, 783.06 and 1101.13	July 1, 2016	
80389	Portland Cement Concrete	Article 1020.04 Table 1 and Note 4	Nov. 1, 2017	
80403	Traffic Barrier Terminal, Type 1 Special	Articles 631.04 and 631.12	Nov. 1, 2018	

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

## Index of Special Provisions

Description of Work	1
Cooperation with Utilities	1
Joint Utility Locating Information for Excavators	1
Traffic Control Plan	2-3
Traffic	3
Contractor Access	3
Shop Drawing Submittal	3
Stump Removal Only	4
Stone Riprap, Class A4 (Special)	4
Pipe Culverts, Special	5
Concrete Cut-Off-Wall	5
Status of Utilities to be Adjusted	5-6
Nationwide #14 Permit	7-20

## **SPECIAL PROVISIONS**

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, the latest edition of the "Illinois 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 adopted January 1, 2021 (as indicated on the Check Sheet included herein) which apply to and govern the construction of Section 13-05145-00-BR, in Vermilion 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:** The proposed improvement designated as Section 13-05145-00-BR, located on TR Route 325 (Stoney Creek Road), 3.0 miles southeast of Danville, Illinois in Section 26 of Danville Road District, consists of furnishing all equipment, labor and material necessary to replace the existing single span bridge with a single span precast pre-stressed concrete deck beam bridge on pile bent spill-thru abutments, with all necessary approach roadway and in-stream work including constructing a new aggregate roadway, installing a pipe culvert, all earth excavation, embankment, seeding, and all other appurtenant and collateral work as shown in the plans and as required by these Special Provisions.

**COOPERATION WITH UTILITIES:** The Contractor shall familiarize himself with the location of all utilities and structures that may be found in the vicinity of the construction. The Contractor shall conduct his operations to avoid damage to the above-mentioned utilities or structures. Should any damage occur due to the Contractor's negligence, repairs shall be made by the Contractor at his expense in a manner acceptable to the Engineer. The Contractor shall notify all utility owners of his construction schedule and shall coordinate construction operations with the utility owners so that relocation of utility lines and structures may proceed in an orderly manner. Notification shall be in writing with copies transmitted to the Engineer.

This item shall not be paid for separately but shall be considered included in the contract and no additional compensation will be allowed.

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

Instead of the Contractor notifying each individual utility owner that he will be working within the area, it will only be necessary to call the number of the Joint Utility Locating Information for Excavators System which is (800) 892-0123 or 811, and they will notify all member utility companies involved that their respective utility should be located. A minimum of forty-eight hours advance notice is required and the political name of the township where the work is located, as shown on the cover sheet, along with other location information such as land section and quarter section will have to be given.

**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, any special details and Highway Standards contained herein and in the plans.

Special attention is called to Sections 107.09 and 107.14 of the “Standard Specifications for Road and Bridge Construction”, and the following traffic control related (1) Highway Standards; (2) Supplemental Specifications and Recurring Special Provisions; and (3) Other Special Provisions which are included in this contract:

1. Highway Standards:
  - a) Standard 701901
  - b) Standard BLR 21
2. Supplemental Specifications and Recurring Special Provisions:
  - a) Flaggers in Work Zones
  - b) Work Zone Traffic Control Surveillance
3. Special Provisions:
  - a) Equipment Parking and Storage
  - b) Traffic Control Devices – Cones
  - c) Construction and Maintenance Signs

**Limitations of Construction:** The Contractor shall coordinate the items of work in order to keep hazards and traffic inconveniences to a minimum, as specified below.

1. The contractor shall provide, erect, and maintain all the necessary barricades, cones, drums, flags and lights for the warning and protection of traffic, as required by Section 107 and 701 through 703 of the Standard Specifications.
2. In addition to the signs required by the various traffic control standards, the Contractor shall erect ROAD CONSTRUCTION AHEAD signs (W20-1(O)-48) on TR Route 325 at both ends of the project.
3. General: Signposts shall be 100 x 100 mm (4 x 4 inches) wood posts according to Article 1007.05. The use of metal posts will not be permitted.
4. Type III Barricades, to be erected by the Contractor, shall extend from shoulder break to shoulder break as shown on Standard 701901, at each end of the construction limits or as directed by the Engineer at each end of the closed area. Two flashing lights shall be provided for each barricade located on the paved surface. Flashing lights shall be provided on both advance warning signs.
5. TR Route 325 shall be closed to all traffic at each structure location during construction of this project.

## **TRAFFIC**

- The road shall be closed to all traffic for the duration of the construction. Local residents shall be allowed access in accordance with Article 107.09 of the Standard Specifications. The Contractor shall notify any affected school districts, post offices and 911 prior to the start of construction. Access by emergency vehicles shall be provided as necessary. Local emergency agencies shall be notified of the road closure two weeks prior to the start of construction. **During the seasons of planting or harvesting, whenever possible, the contractor shall allow the local farmer access to the adjacent fields and to pass through the construction area.**

**Measurement and Payment for Traffic Control and Protection:** All traffic control and protection for this project will be paid for at the contract bid price per lump sum for TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21. This price shall be payment for all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain, relocate, and remove all traffic control devices as shown in the plans unless otherwise specified.

## **CONTRACTOR ACCESS**

Eff. 09-11-1990

Rev. 01-01-2014

At road closure locations, where Type III barricades are installed in a manner that will not allow contractor access to the project without relocation of one or more of the barricades, the arrangement of the barricades at the beginning of each work day may be relocated, when approved by the Engineer, in the manner shown on Highway Standard 701901 for Road Closed to Through Traffic. 'Road Closed' signs (R11-2), supplemented by 'Except Authorized Vehicles' signs (R3-110I), shall be mounted on both the near-right and the far-left barricade(s). At the end of each work day the barricades shall be returned to their in-line positions. This work will be considered to be included in the cost of the various traffic control items and no extra compensation will be allowed.

## **SHOP DRAWING SUBMITTAL:**

The Contractor shall submit shop drawings for review and approval on the following item:  
Precast Prestressed Concrete Deck Beams. Shop drawings shall be submitted to:

Cummins Engineering Corporation  
135 West Lake Shore Drive  
Springfield, IL 62703

Upon completion of the review, the Contractor shall have four (4) sets of corrected shop drawings submitted for final review. Three (3) sets of the final reviewed shop drawings will be returned to the Contractor for distribution.

### **STUMP REMOVAL ONLY**

**Description.** This work shall consist of the cutting, grubbing, removal, and disposal of stumps, as hereinafter defined in accordance with the applicable portions of Section 201 of the Standard Specifications, and as specified herein.

**Definitions.** Tree stump – The remaining portion of a tree (as defined in Article 201.02) that has been cut off at or near ground level and the remaining portion of a tree (as defined in Article 201.02) where a substantial portion of the tree trunk remains but almost all of the tree limbs have been removed during utility relocation construction. A multiple-stem tree stump that forks below the 4.5 ft point of measurement will be considered a cluster of individual stumps. A multiple-stem tree stump that forks at or above the 4.5 ft point of measurement will be considered a single tree stump.

Tree stumps will not be considered as trees for purposes of measurement and removal.

Tree stumps removed during the performance of the work for tree removal will not be measured and paid for separately.

**Method of Measurement.** This work will be measured for payment per unit of diameter where one unit is equal to 1 in. The diameter will be measured at a point 4.5 ft above the highest ground level at the base of the tree stump or at the elevation of cut off, whichever is lower, and will be determined by dividing the measured circumference of the tree stump by 3.1416.

**Basis of Payment.** This work will be paid for at the contract unit price per unit diameter for STUMP REMOVAL ONLY.

### **STONE RIPRAP, CLASS A4 (SPECIAL)**

**Description:** This work shall consist of furnishing and placing Stone Riprap, Class A4.

**General:** The Contractor shall complete any required earthwork and grading to prepare the earth surface for placement of the riprap. This includes but is not limited to excavating and re-grading the areas where riprap will be placed. This work shall be done in accordance with the applicable portions of Sections 202 and 281 of the Standard Specifications except as modified herein. NO BEDDING OR FILTER FABRIC WILL BE PLACED.

**Method of measurement:** This work will be measured for payment in tons in place.

**Basis of payment:** This work will be paid for at the contract unit price per ton for STONE RIPRAP, CLASS A4 (SPECIAL).

**PIPE CULVERTS, SPECIAL**

This work shall consist of furnishing and installing pipe culverts in accordance with applicable portions of Section 542 of the Standard Specifications.

Material Type will be **Class D Corrugated Aluminum Alloy Pipe**.

This work shall be paid for at the contract unit price per foot for PIPE CULVERTS, SPECIAL, of the type and size specified in the plans.

**CONCRETE CUT-OFF WALL**

Description: This work shall consist of excavating for and constructing the concrete cut-off walls.

Installation: The embankment for the abutment shall be placed and compacted to, at minimum, the bottom elevation of the abutment prior to driving the piling. After the abutment piles are driven, a 3'-0" deep by 12" wide trench shall be excavated the full length of the abutment cap, between the pile encasements below the excavation for the abutment. A 3'-0" by 12" cut-off wall shall be poured in the trench along with the pile encasements with the top of the cut-off wall directly below the abutment cap.

Materials: 28 Day Compression Strength of concrete shall be a minimum of 3,000 psi.

Basis of Payment: The excavation required and the concrete for the cut-off wall and pile encasements will be paid for at the contract unit prices per cubic yard for CONCRETE CUT-OFF WALL.

**STATUS OF UTILITIES TO BE ADJUSTED**

The following utilities were listed by a "J.U.L.I.E. Design Stage Locate" as members who have utilities in the project vicinity. (J.U.L.I.E. 800-892-0123 or 811)

<b><u>Name and Address of Utility</u></b>	<b><u>Type</u></b>	<b><u>Location</u></b>	<b><u>Estimated Date Relocation Completed</u></b>
Comcast Attn: Marth Gieras (224) 229-5862	Cable	Throughout Project	None Anticipated

**Ameren IP – (North)  
Attn: Nathan Hill  
(618) 301-5327**

**Electric**

**Throughout  
Project**

**During  
Construction**

**ATT / Distribution  
Attn: G11629ATT.com  
Phone: (217) 258-5815  
(217) 235-0341**

**Telephone**

**Throughout  
Project**

**During  
Construction**

The above represents the best information of the Department and is included solely for the convenience of the bidder. The applicable provisions of LR 105 and Articles 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 shall 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:

Vermilion County

---

Danville 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.

## **BLENDED FINELY DIVIDED MINERALS (BDE)**

Effective: April 1, 2021

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

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

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

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

- (a) Blending shall be accomplished by mechanically or pneumatically intermixing the constituent finely divided minerals into a uniform mixture that is then discharged into a silo for storage or tanker for transportation.
- (b) The blended finely divided mineral product will be classified according to its predominant constituent or the manufacturer’s designation and shall meet the chemical requirements of its classification. The other finely divided mineral constituent(s) will not be required to conform to their individual standards.”

80436

## **COMPENSABLE DELAY COSTS (BDE)**

Effective: June 2, 2017

Revised: April 1, 2019

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

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

- (1) Minor Delay.** A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay.** A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay.** A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

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

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

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

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

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

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

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

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

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

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

- "(b) No working day will be charged under the following conditions.
- (1) When adverse weather prevents work on the controlling item.
  - (2) When job conditions due to recent weather prevent work on the controlling item.
  - (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
  - (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
  - (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
  - (6) When any condition over which the Contractor has no control prevents work on the controlling item."

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

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

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

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

Add the following to Section 109 of the Standard Specifications.

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

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

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

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
  - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

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

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

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

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

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

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

## **DISPOSAL FEES (BDE)**

Effective: November 1, 2018

Replace Articles 109.04(b)(5) – 109.04(b)(8) of the Standard Specifications with the following:

- (5) Disposal Fees. When the extra work performed includes paying for disposal fees at a clean construction and demolition debris facility, an uncontaminated soil fill operation or a landfill, the Contractor shall receive, as administrative costs, an amount equal to five percent of the first \$10,000 and one percent of any amount over \$10,000 of the total approved costs of such fees.
- (6) Miscellaneous. No additional allowance will be made for general superintendence, the use of small tools, or other costs for which no specific allowance is herein provided.
- (7) Statements. No payment will be made for work performed on a force account basis until the Contractor has furnished the Engineer with itemized statements of the cost of such force account work. Statements shall be accompanied and supported by invoices for all materials used and transportation charges. However, if materials used on the force account work are not specifically purchased for such work but are taken from the Contractor's stock, then in lieu of the invoices, the Contractor shall furnish an affidavit certifying that such materials were taken from his/her stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the Contractor.

Itemized statements at the cost of force account work shall be detailed as follows.

- a. Name, classification, date, daily hours, total hours, rate, and extension for each laborer and foreman. Payrolls shall be submitted to substantiate actual wages paid if so requested by the Engineer.
  - b. Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.
  - c. Quantities of materials, prices and extensions.
  - d. Transportation of materials.
  - e. Cost of property damage, liability and workmen's compensation insurance premiums, unemployment insurance contributions, and social security tax.
- (8) Work Performed by an Approved Subcontractor. When extra work is performed by an approved subcontractor, the Contractor shall receive, as administrative costs, an amount equal to five percent of the total approved costs of such work with the minimum payment being \$100.



(9) All statements of the cost of force account work shall be furnished to the Engineer not later than 60 days after receipt of the Central Bureau of Construction form "Extra Work Daily Report". If the statement is not received within the specified time frame, all demands for payment for the extra work are waived and the Department is released from any and all such demands. It is the responsibility of the Contractor to ensure that all statements are received within the specified time regardless of the manner or method of delivery."

80402

**MOBILIZATION (BDE)**

Effective: April 1, 2020

Replace Articles 671.02(a), (b), and (c) of the Standard Specifications with the following:

- “(a) Upon execution of the contract, 90 percent of the pay item will be paid.
- “(b) When 90 percent of the adjusted contract value is earned, the remaining ten percent of the pay item will be paid along with any amount bid in excess of six percent of the original contract amount.”

80428

**PORTLAND CEMENT CONCRETE – HAUL TIME (BDE)**

Effective: July 1, 2020

Revise Article 1020.11(a)(7) of the Standard Specifications to read:

“(7) Haul Time. Haul time shall begin when the delivery ticket is stamped. The delivery ticket shall be stamped no later than five minutes after the addition of the mixing water to the cement, or after the addition of the cement to the aggregate when the combined aggregates contain free moisture in excess of two percent by weight (mass). If more than one batch is required for charging a truck using a stationary mixer, the time of haul shall start with mixing of the first batch. Haul time shall end when the truck is emptied for incorporation of the concrete into the work. The maximum haul time shall be as follows.

Concrete Temperature at Point of Discharge, °F (°C)	Maximum Haul Time <sup>1/</sup> (minutes)	
	Truck Mixer or Truck Agitator	Nonagitator Truck
50 - 64 (10 - 17.5)	90	45
> 64 (> 17.5) - without retarder	60	30
> 64 (> 17.5) - with retarder	90	45

1/ To encourage start-up testing for mix adjustments at the plant, the first two trucks will be allowed an additional 15 minutes haul time whenever such testing is performed.

For a mixture which is not mixed on the jobsite, a delivery ticket shall be required for each load. The following information shall be recorded on each delivery ticket: (1) ticket number; (2) name of producer and plant location; (3) contract number; (4) name of Contractor; (5) stamped date and time batched; (6) truck number; (7) quantity batched; (8) amount of admixture(s) in the batch; (9) amount of water in the batch; and (10) Department mix design number.

For concrete mixed in jobsite stationary mixers, the above delivery ticket may be waived, but a method of verifying the haul time shall be established to the satisfaction of the Engineer.”

## **REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)**

Effective: January 1, 2019

Revised: January 1, 2020

Revise Section 669 of the Standard Specifications to read:

### **"SECTION 669. REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES**

**669.01 Description.** This work shall consist of the transportation and proper disposal of regulated substances. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their contents and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities.

**669.02 Equipment.** The Contractor shall notify the Engineer of the delivery of all excavation, storage, and transportation equipment to a work area location. The equipment shall comply with OSHA and American Petroleum Institute (API) guidelines and shall be furnished in a clean condition. Clean condition means the equipment does not contain any residual material classified as a non-special waste, non-hazardous special waste, or hazardous waste. Residual materials include, but are not limited to, petroleum products, chemical products, sludges, or any other material present in or on equipment.

Before beginning any associated soil or groundwater management activity, the Contractor shall provide the Engineer with the opportunity to visually inspect and approve the equipment. If the equipment contains any contaminated residual material, decontamination shall be performed on the equipment as appropriate to the regulated substance and degree of contamination present according to OSHA and API guidelines. All cleaning fluids used shall be treated as the contaminant unless laboratory testing proves otherwise.

**669.03 Pre-Construction Submittals and Qualifications.** Prior to beginning this work, or working in areas with regulated substances, the Contractor shall submit a "Regulated Substances Pre-Construction Plan (RSPCP)" to the Engineer for review and approval using form BDE 2730. The form shall be signed by an Illinois licensed Professional Engineer or Professional Geologist.

As part of the RSPCP, the Contractor(s) or firm(s) performing the work shall meet the following qualifications.

- (a) **Regulated Substances Monitoring.** Qualification for environmental observation and field screening of regulated substances work and environmental observation of UST removal shall require either pre-qualification in Hazardous Waste by the Department or demonstration of acceptable project experience in remediation and operations for contaminated sites in accordance with applicable Federal, State, or local regulatory requirements using BDE 2730.

Qualification for each individual performing regulated substances monitoring shall require a minimum of one-year of experience in similar activities as those required for the project.

- (b) Underground Storage Tank Removal. Qualification for underground storage tank (UST) removal work shall require licensing and certification with the Office of the State Fire Marshall (OSFM) and possession of all permits required to perform the work. A copy of the permit shall be provided to the Engineer prior to tank removal.

The qualified Contractor(s) or firm(s) shall also document it does not have any current or former ties with any of the properties contained within, adjoining, or potentially affecting the work.

The Engineer will require up to 21 calendar days for review of the RSPCP. The review may involve rejection or revision and resubmittal; in which case, an additional 21 days will be required for each subsequent review. Work shall not commence until the RSPCP has been approved by the Engineer. After approval, the RSPCP shall be revised as necessary to reflect changed conditions in the field and documented using BDE 2730A "Regulated Substances Pre-Construction Plan (RSPCP) Addendum" and submitted to the Engineer for approval.

## **CONSTRUCTION REQUIREMENTS**

**669.04 Regulated Substances Monitoring.** Regulated substances monitoring includes environmental observation and field screening during regulated substances management activities at the contract specific work areas. As part of the regulated substances monitoring, the monitoring personnel shall perform and document the applicable duties listed on form BDE 2732 "Regulated Substances Monitoring Daily Record (RSMDR)".

- (a) Environmental Observation. Prior to beginning excavation, the Contractor shall mark the limits of the contract specific work areas. Once work begins, the monitoring personnel shall be present on-site continuously during the excavation and loading of material.
- (b) Field Screening. Field screening shall be performed during the excavation and loading of material from the contract specific work areas, except for material classified according to Article 669.05(b)(1) or 669.05(c) where field screening is not required.

Field screening shall be performed with either a photoionization detector (PID) (minimum 10.6eV lamp) or a flame ionization detector (FID), and other equipment as appropriate, to monitor for potential contaminants associated with regulated substances. The PID or FID shall be calibrated on-site, and background level readings taken and recorded daily, and as field and weather conditions change. Field screen readings on the PID or FID in excess of background levels indicates the potential presence of regulated substances requiring handling as a non-special waste, special waste, or hazardous waste. PID or FID readings may be used as the basis of increasing the limits of removal with the approval of the Engineer but shall in no case be used to decrease the limits.

**669.05 Regulated Substances Management and Disposal.** The management and disposal of soil and/or groundwater containing regulated substances shall be according to the following:

- (a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in soil established pursuant to Subpart F of 35 Ill. Adm. Code 1100.605, the soil shall be managed as follows:
- (1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC, but still considered within area background levels by the Engineer, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable. If the soils cannot be utilized within the right-of-way, they shall be managed and disposed of at a landfill as a non-special waste.
  - (2) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County identified in 35 Ill. Admin. Code 742 Appendix A. Table G, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of at a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation (USFO) within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
  - (3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD facility or an USFO within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
  - (4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD facility or an USFO within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
  - (5) When the Engineer determines soil cannot be managed according to Articles 669.05(a)(1) through (a)(4) above and the materials do not contain special waste or hazardous waste, as determined by the Engineer, the soil shall be managed and disposed of at a landfill as a non-special waste.
  - (6) When analytical results indicate soil is hazardous by characteristic or listing pursuant to 35 Ill. Admin. Code 721, contains radiological constituents, or the Engineer otherwise determines the soil cannot be managed according to Articles 669.05(a)(1)

through (a)(5) above, the soil shall be managed and disposed of off-site as a special waste or hazardous waste as applicable.

(b) **Soil Analytical Results Do Not Exceed Most Stringent MAC.** When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO for any of the following reasons.

(1) The pH of the soil is less than 6.25 or greater than 9.0.

(2) The soil exhibited PID or FID readings in excess of background levels.

(c) **Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed Tiered Approach to Corrective Action Objectives (TACO) Residential.** When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 Ill. Admin. Code 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO.

(d) **Groundwater.** When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Ill. Admin. Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste or hazardous waste as applicable. Special waste groundwater shall be containerized and trucked to an off-site treatment facility, or may be discharged to a sanitary sewer or combined sewer when permitted by the local sewer authority. Groundwater discharged to a sanitary sewer or combined sewer shall be pre-treated to remove particulates and measured with a calibrated flow meter to comply with applicable discharge limits. A copy of the permit shall be provided to the Engineer prior to discharging groundwater to the sanitary sewer or combined sewer.

Groundwater encountered within trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench, it may be discharged to a sanitary sewer or combined sewer when permitted by the local sewer authority, or it shall be containerized and trucked to an off-site treatment facility as a special waste or hazardous waste. The Contractor is prohibited from discharging groundwater within the trench through a storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive

soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than  $10^{-7}$  cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer.

The Contractor shall use due care when transferring contaminated material from the area of origin to the transporter. Should releases of contaminated material to the environment occur (i.e., spillage onto the ground, etc.), the Contractor shall clean-up spilled material and place in the appropriate storage containers as previously specified. Clean-up shall include, but not be limited to, sampling beneath the material staging area to determine complete removal of the spilled material.

The Contractor shall provide engineered barriers, when required, and shall include materials sufficient to completely line excavation surfaces, including sloped surfaces, bottoms, and sidewall faces, within the areas designated for protection.

The Contractor shall obtain all documentation including any permits and/or licenses required to transport the material containing regulated substances to the disposal facility. The Contractor shall coordinate with the Engineer on the completion of all documentation. The Contractor shall make all arrangements for collection and analysis of landfill acceptance testing. The Contractor shall coordinate waste disposal approvals with the disposal facility.

The Contractor shall provide the Engineer with all transport-related documentation within two days of transport or receipt of said document(s). For management of special or hazardous waste, the Contractor shall provide the Engineer with documentation that the Contractor is operating with a valid Illinois special waste transporter permit at least two weeks before transporting the first load of contaminated material.

Transportation and disposal of material classified according to Article 669.05(a)(5) or 669.05(a)(6) shall be completed each day so that none of the material remains on-site by the close of business, except when temporary staging has been approved.

Any waste generated as a special or hazardous waste from a non-fixed facility shall be manifested off-site using the Department's county generator number provided by the Bureau of Design and Environment. An authorized representative of the Department shall sign all manifests for the disposal of the contaminated material and confirm the Contractor's transported volume. Any waste generated as a non-special waste may be managed off-site without a manifest, a special waste transporter, or a generator number.

The Contractor shall select a landfill permitted for disposal of the contaminant within the State of Illinois. The Department will review and approve or reject the facility proposed by the Contractor to use as a landfill. The Contractor shall verify whether the selected disposal facility is compliant with those applicable standards as mandated by their permit and whether the disposal facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. The use of a Contractor selected landfill shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.



**669.06 Non-Special Waste Certification.** An authorized representative of the Department shall sign and date all non-special waste certifications. The Contractor shall be responsible for providing the Engineer with the required information that will allow the Engineer to certify the waste is not a special waste.

(a) Definition. A waste is considered a non-special waste as long as it is not:

- (1) a potentially infectious medical waste;
- (2) a hazardous waste as defined in 35 Ill. Admin. Code 721;
- (3) an industrial process waste or pollution control waste that contains liquids, as determined using the paint filter test set forth in subdivision (3)(A) of subsection (m) of 35 Ill. Admin. Code 811.107;
- (4) a regulated asbestos-containing waste material, as defined under the National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61.141;
- (5) a material containing polychlorinated biphenyls (PCB's) regulated pursuant to 40 CFR Part 761;
- (6) a material subject to the waste analysis and recordkeeping requirements of 35 Ill. Admin. Code 728.107 under land disposal restrictions of 35 Ill. Admin. Code 728;
- (7) a waste material generated by processing recyclable metals by shredding and required to be managed as a special waste under Section 22.29 of the Environmental Protection Act; or
- (8) an empty portable device or container in which a special or hazardous waste has been stored, transported, treated, disposed of, or otherwise handled.

(b) Certification Information. All information used to determine the waste is not a special waste shall be attached to the certification. The information shall include but not be limited to:

- (1) the means by which the generator has determined the waste is not a hazardous waste;
- (2) the means by which the generator has determined the waste is not a liquid;
- (3) if the waste undergoes testing, the analytic results obtained from testing, signed and dated by the person responsible for completing the analysis;
- (4) if the waste does not undergo testing, an explanation as to why no testing is needed;

(5) a description of the process generating the waste; and

(6) relevant material safety data sheets.

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

Temporary staging shall be accomplished within the right-of-way and the Contractor's means and methods shall be described in the approved or amended RSPCP. Staging areas shall not be located within 200 feet (61 m) of a public or private water supply well; nor within 100 feet (30 m) of sensitive environmental receptor areas, including wetlands, rivers, streams, lakes, or designated habitat zones.

The method of staging shall consist of containerization or stockpiling as applicable for the type, classification, and physical state (i.e., liquid, solid, semisolid) of the material. Materials of different classifications shall be staged separately with no mixing or co-mingling.

When containers are used, the containers and their contents shall remain intact and inaccessible to unauthorized persons until the manner of disposal is determined. The Contractor shall be responsible for all activities associated with the storage containers including, but not limited to, the procurement, transport, and labeling of the containers. The Contractor shall not use a storage container if visual inspection of the container reveals the presence of free liquids or other substances that could cause the waste to be reclassified as a hazardous or special waste.

When stockpiles are used, they shall be covered with a minimum 20-mil plastic sheeting or tarps secured using weights or tie-downs. Perimeter berms or diversionary trenches shall be provided to contain and collect for disposal any water that drains from the soil. Stockpiles shall be managed to prevent or reduce potential dust generation.

When staging non-special waste, special waste, or hazardous waste, the following additional requirements shall apply:

- (a) **Non-Special Waste.** When stockpiling soil classified according to Article 669.05(a)(1) or 669.05(a)(5), an impermeable surface barrier between the materials and the ground surface shall be installed. The impermeable barrier shall consist of a minimum 20-mil plastic liner material and the surface of the stockpile area shall be clean and free of debris prior to placement of the liner. Measures shall also be taken to limit or discourage access to the staging area.
- (b) **Special Waste and Hazardous Waste.** Soil classified according to Article 669.05(a)(6) shall not be stockpiled but shall be containerized immediately upon generation in containers, tanks or containment buildings as defined by RCRA, Toxic Substances Control

Act (TSCA), and other applicable State or local regulations and requirements, including 35 Ill. Admin. Code Part 722, Standards Applicable to Generators of Hazardous Waste.

The staging area(s) shall be enclosed (by a fence or other structure) to restrict direct access to the area, and all required regulatory identification signs applicable to a staging area containing special waste or hazardous waste shall be deployed.

Storage containers shall be placed on an all-weather gravel-packed, asphalt, or concrete surface. Containers shall be in good condition and free of leaks, large dents, or severe rusting, which may compromise containment integrity. Containers must be constructed of, or lined with, materials that will not react or be otherwise incompatible with the hazardous or special waste contents. Containers used to store liquids shall not be filled more than 80 percent of the rated capacity. Incompatible wastes shall not be placed in the same container or comingled.

All containers shall be legibly labeled and marked using pre-printed labels and permanent marker in accordance with applicable regulations, clearly showing the date of waste generation, location and/or area of waste generation, and type of waste. The Contractor shall place these identifying markings on an exterior side surface of the container.

Storage containers shall be kept closed, and storage pads covered, except when access is needed by authorized personnel.

Special waste and hazardous waste shall be transported and disposed within 90 days from the date of generation.

**669.08 Underground Storage Tank Removal.** For the purposes of this section, an underground storage tank (UST) includes the underground storage tank, piping, electrical controls, pump island, vent pipes and appurtenances.

Prior to removing an UST, the Engineer shall determine whether the Department is considered an "owner" or "operator" of the UST as defined by the UST regulations (41 Ill. Adm. Code Part 176). Ownership of the UST refers to the Department's owning title to the UST during storage, use or dispensing of regulated substances. The Department may be considered an "operator" of the UST if it has control of, or has responsibility for, the daily operation of the UST. The Department may however voluntarily undertake actions to remove an UST from the ground without being deemed an "operator" of the UST.

In the event the Department is deemed not to be the "owner" or "operator" of the UST, the OSFM removal permit shall reflect who was the past "owner" or "operator" of the UST. If the "owner" or "operator" cannot be determined from past UST registration documents from OSFM, then the OSFM removal permit will state the "owner" or "operator" of the UST is the Department. The Department's Office of Chief Counsel (OCC) will review all UST removal permits prior to submitting any removal permit to the OSFM. If the Department is not the "owner" or "operator" of the UST then it will not register the UST or pay any registration fee.

The Contractor shall be responsible for obtaining permits required for removing the UST, notification to the OSFM, using an OSFM certified tank contractor, removal and disposal of the UST and its contents, and preparation and submittal of the OSFM Site Assessment Report in accordance with 41 Ill. Admin. Code Part 176.330.

The Contractor shall contact the Engineer and the OSFM's office at least 72 hours prior to removal to confirm the OSFM inspector's presence during the UST removal. Removal, transport, and disposal of the UST shall be according to the applicable portions of the latest revision of the "American Petroleum Institute (API) Recommended Practice 1604".

The Contractor shall collect and analyze tank content (sludge) for disposal purposes. The Contractor shall remove as much of the regulated substance from the UST system as necessary to prevent further release into the environment. All contents within the tank shall be removed, transported and disposed of, or recycled. The tank shall be removed and rendered empty according to IEPA definition.

The Contractor shall collect soil samples from the bottom and sidewalls of the excavated area in accordance with 35 Ill. Admin. Code Part 734.210(h) after the required backfill has been removed during the initial response action, to determine the level of contamination remaining in the ground, regardless if a release is confirmed or not by the OSFM on-site inspector.

In the event the UST is designated a leaking underground storage tank (LUST) by the OSFM's inspector, or confirmation by analytical results, the Contractor shall notify the Engineer and the District Environmental Studies Unit (DESU). Upon confirmation of a release of contaminants and notifications to the Engineer and DESU, the Contractor shall report the release to the Illinois Emergency Management Agency (IEMA) (e.g., by telephone or electronic mail) and provide them with whatever information is available ("owner" or "operator" shall be stated as the past registered "owner" or "operator", or the IDOT District in which the tank is located and the DESU Manager).

The Contractor shall perform the following initial response actions if a release is indicated by the OSFM inspector:

- (a) Take immediate action to prevent any further release of the regulated substance to the environment, which may include removing, at the Engineer's discretion, and disposing of up to 4 ft (1.2 m) of the contaminated material, as measured from the outside dimension of the tank;
- (b) Identify and mitigate fire, explosion and vapor hazards;
- (c) Visually inspect any above ground releases or exposed below ground releases and prevent further migration of the released substance into surrounding soils and groundwater; and
- (d) Continue to monitor and mitigate any additional fire and safety hazards posed by vapors and free product that have migrated from the tank excavation zone and entered into subsurface structures (such as sewers or basements).

The tank excavation shall be backfilled according to applicable portions of Sections 205, 208, and 550 with a material that will compact and develop stability. All uncontaminated concrete and soil removed during tank extraction may be used to backfill the excavation, at the discretion of the Engineer.

After backfilling the excavation, the site shall be graded and cleaned.

**669.09 Regulated Substances Final Construction Report.** Not later than 90 days after completing this work, the Contractor shall submit a "Regulated Substances Final Construction Report (RSFCR)" to the Engineer using form BDE 2733 and required attachments. The form shall be signed by an Illinois licensed Professional Engineer or Professional Geologist.

**669.10 Method of Measurement.** Non-special waste, special waste, and hazardous waste soil will be measured for payment according to Article 202.07(b) when performing earth excavation, Article 502.12(b) when excavating for structures, or by computing the volume of the trench using the maximum trench width permitted and the actual depth of the trench.

Groundwater containerized and transported off-site for management, storage, and disposal will be measured for payment in gallons (liters).

Backfill plugs will be measured in cubic yards (cubic meters) in place, except the quantity for which payment will be made shall not exceed the volume of the trench, as computed by using the maximum width of trench permitted by the Specifications and the actual depth of the trench, with a deduction for the volume of the pipe.

Engineered Barriers will be measured for payment in square yards (square meters).

**669.11 Basis of Payment.** The work of preparing, submitting and administering a Regulated Substances Pre-Construction Plan will be paid for at the contract lump sum price for REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN.

Regulated substances monitoring, including completion of form BDE 2732 for each day of work, will be paid for at the contract unit price per calendar day, or fraction thereof to the nearest 0.5 calendar day, for REGULATED SUBSTANCES MONITORING.

The installation of engineered barriers will be paid for at the contract unit price per square yard (square meter) for ENGINEERED BARRIER.

The work of UST removal, soil excavation, soil and content sampling, the management of excavated soil and UST content, and UST disposal, will be paid for at the contract unit price per each for UNDERGROUND STORAGE TANK REMOVAL.

The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for

**NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL.**

The transportation and disposal of groundwater from an excavation determined to be contaminated will be paid for at the contract unit price per gallon (liter) for SPECIAL WASTE GROUNDWATER DISPOSAL or HAZARDOUS WASTE GROUNDWATER DISPOSAL. When groundwater is discharged to a sanitary or combined sewer by permit, the cost will be paid for according to Article 109.05.

Backfill plugs will be paid for at the contract unit price per cubic yard (cubic meter) for BACKFILL PLUGS.

Payment for temporary staging of soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) will be paid for according to Article 109.04. The Department will not be responsible for any additional costs incurred, if mismanagement of the staging area, storage containers, or their contents by the Contractor results in excess cost expenditure for disposal or other material management requirements.

Payment for accumulated stormwater removal and disposal will be according to Article 109.04. Payment will only be allowed if appropriate stormwater and erosion control methods were used.

Payment for decontamination, labor, material, and equipment for monitoring areas beyond the specified areas, with the Engineer's prior written approval, will be according to Article 109.04.

When the waste material for disposal requires sampling for landfill disposal acceptance, the samples shall be analyzed for TCLP VOCs, SVOCs, RCRA metals, pH, ignitability, and paint filter test. The analysis will be paid for at the contract unit price per each for SOIL DISPOSAL ANALYSIS using EPA Methods 1311 (extraction), 8260B for VOCs, 8270C for SVOCs, 6010B and 7470A for RCRA metals, 9045C for pH, 1030 for ignitability, and 9095A for paint filter.

The work of preparing, submitting and administering a Regulated Substances Final Construction Report will be paid for at the contract lump sum price REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT."

**SILT FENCE, INLET FILTERS, GROUND STABILIZATION AND RIPRAP FILTER FABRIC (BDE)**

Effective: November 1, 2019

Revised: July 1, 2021

Revise Article 280.02(m) and add Article 280.02(n) so the Standard Specifications read:

“(m) Above Grade Inlet Filter (Fitted)..... 1081.15(j)  
    (n) Above Grade Inlet Filter (Non-Fitted)..... 1081.15(k)”

Revise the last sentence of the first paragraph in Article 280.04(c) of the Standard Specifications to read:

“The protection shall be constructed with hay or straw bales, silt filter fence, above grade inlet filters (fitted and non-fitted), or inlet filters.

Revise the first sentence of the second paragraph in Article 280.04(c) of the Standard Specifications to read:

“When above grade inlet filters (fitted and non-fitted) are specified, they shall be of sufficient size to completely span and enclose the inlet structure.”

Revise Article 1080.02 of the Standard Specifications to read:

**1080.02 Geotextile Fabric.** The fabric for silt filter fence shall consist of woven fabric meeting the requirements of AASHTO M 288 for unsupported silt fence.

The fabric for ground stabilization shall consist of woven yarns or nonwoven filaments of polyolefins or polyesters. Woven fabrics shall be Class 2 and nonwoven fabrics shall be Class 1 according to AASHTO M 288.

The physical properties for silt fence and ground stabilization fabrics shall be according to the following.

PHYSICAL PROPERTIES			
	Silt Fence Woven <sup>1/</sup>	Ground Stabilization Woven <sup>2/</sup>	Ground Stabilization Nonwoven <sup>2/</sup>
Grab Strength, lb (N) <sup>3/</sup> ASTM D 4632	123 (550) MD 101 (450) XD	247 (1100) min. <sup>4/</sup>	202 (900) min. <sup>4/</sup>
Elongation/Grab Strain, % ASTM D 4632 <sup>4/</sup>	49 max.	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 <sup>4/</sup>	--	90 (400) min.	79 (350) min.
Puncture Strength, lb (N) ASTM D 6241 <sup>4/</sup>	--	494 (2200) min.	433 (1925) min.
Apparent Opening Size, Sieve No. (mm) ASTM D 4751 <sup>5/</sup>	30 (0.60) max.	40 (0.43) max.	40 (0.43) max.
Permittivity, sec <sup>-1</sup> ASTM D 4491	0.05 min.		
Ultraviolet Stability, % retained strength after 500 hours of exposure ASTM D 4355	70 min.	50 min.	50 min.

- 1/ NTPEP results or manufacturer's certification to meet test requirements.
- 2/ NTPEP results to meet test requirements. Manufacturer shall have public release status and current reports on laboratory results in Test Data of NTPEP's DataMine.
- 3/ MD = Machine direction. XD = Cross-machine direction.
- 4/ Values represent the minimum average roll value (MARV) in the weaker principle direction, MD or XD.
- 5/ Values represent the maximum average roll value."

Revise Article 1080.03 of the Standard Specifications to read:

**"1080.03 Filter Fabric.** The filter fabric shall consist of woven yarns or nonwoven filaments of polyolefins or polyesters. Woven fabrics shall be Class 3 for riprap gradations RR 4 and RR 5, and Class 2 for RR 6 and RR 7 according to AASHTO M 288. Woven slit film geotextiles (i.e. geotextiles made from yarns of a flat, tape-like character) shall not be permitted. Nonwoven fabrics shall be Class 2 for riprap gradations RR 4 and RR 5, and Class 1 for RR 6 and RR 7 according to AASHTO M 288. After forming, the fabric shall be processed so that the yarns or filaments retain their relative positions with respect to each other. The fabric shall be new and undamaged.



The filter fabric shall be manufactured in widths of not less than 6 ft (2 m). Sheets of fabric may be sewn together with thread of a material meeting the chemical requirements given for the yarns or filaments to form fabric widths as required. The sheets of filter fabric shall be sewn together at the point of manufacture or another approved location.

The filter fabric shall be according to the following.

PHYSICAL PROPERTIES <sup>1/</sup>				
	Gradation Nos. RR 4 & RR 5		Gradation Nos. RR 6 & RR 7	
	Woven	Nonwoven	Woven	Nonwoven
Grab Strength, lb (N) ASTM D 4632 <sup>2/</sup>	180 (800) min.	157 (700) min.	247 (1100) min.	202 (900) min.
Elongation/Grab Strain, % ASTM D 4632 <sup>2/</sup>	49 max.	50 min.	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 <sup>2/</sup>	67 (300) min.	56 (250) min.	90 (400) min.	79 (350) min.
Puncture Strength, lb (N) ASTM D 6241 <sup>2/</sup>	370 (1650) min.	309 (1375) min.	494 (2200) min.	433 (1925) min.
Ultraviolet Stability, % retained strength after 500 hours of exposure - ASTM D 4355	50 min.			

1/ NTPEP results to meet test requirements. Manufacturer shall have public release status and current reports on laboratory results in Test Data of NTPEP's DataMine.

2/ Values represent the minimum average roll value (MARV) in the weaker principle direction [machine direction (MD) or cross-machine direction (XD)].

As determined by the Engineer, the filter fabric shall meet the requirements noted in the following after an onsite investigation of the soil to be protected.

Soil by Weight (Mass) Passing the No. 200 sieve (75 µm), %	Apparent Opening Size, Sieve No. (mm) - ASTM D 4751 <sup>1/</sup>	Permittivity, sec <sup>-1</sup> ASTM D 4491
49 max.	60 (0.25) max.	0.2 min.
50 min.	70 (0.22) max.	0.1 min.

1/ Values represent the maximum average roll value."

Revise Article 1081.15(i)(1) of the Standard Specifications to read:

"(i) Urethane Foam/Geotextile. Urethane foam/geotextile shall be triangular shaped having a minimum height of 10 in. (250 mm) in the center with equal sides and a minimum 20 in. (500 mm) base. The triangular shaped inner material shall be a low density urethane foam. The outer geotextile fabric cover shall consist of woven yarns or nonwoven

filaments made of polyolefins or polyesters placed around the inner material and shall extend beyond both sides of the triangle a minimum of 18 in. (450 mm). Woven filter fabric shall be Class 3 and nonwoven filter fabric shall be Class 2 according to AASHTO M 288.

(1) The geotextile shall meet the following properties.

PHYSICAL PROPERTIES		
	Woven	Nonwoven
Grab Strength, lb (N) ASTM D 4632 <sup>1/</sup>	180 (800) min.	157 (700) min.
Elongation/Grab Strain, % ASTM D 4632 <sup>1/</sup>	49 max.	50 min.
Trapezoidal Tear Strength, lb (N) ASTM D 4533 <sup>1/</sup>	67 (300) min.	56 (250) min.
Puncture Strength, lb (N) ASTM D 6241 <sup>1/</sup>	370 (1650) min.	309 (1375) min.
Apparent Opening Size, Sieve No. (mm) ASTM D 4751 <sup>2/</sup>	30 (0.60) max.	
Permittivity, sec <sup>-1</sup> ASTM D 4491	0.25 min.	
Ultraviolet Stability, % retained strength after 500 hours of exposure – ASTM D 4355	70 min.	

1/ Values represent the minimum average roll value (MARV) in the weaker principle direction [machine direction (MD) or cross-machine direction (XD)].

2/ Values represent the maximum average roll value."

Add the following to Article 1081.15(i) of the Standard Specifications.

"(3) Certification. The manufacturer shall furnish a certificate with each shipment of urethane foam/geotextile assemblies stating the amount of product furnished and that the material complies with these requirements."

Revise the title and first sentence of Article 1081.15(j) of the Standards Specifications to read:

"(j) Above Grade Inlet Filters (Fitted). Above grade inlet filters (fitted) shall consist of a rigid polyethylene frame covered with a fitted geotextile filter fabric."

Revise Article 1081.15(j)(2) of the Standard Specifications to read:

(2) Fitted Geotextile Filter Fabric. The fitted geotextile filter fabric shall consist of woven yarns or nonwoven filaments made of polyolefins or polyesters. Woven filter fabric shall be Class 3 and nonwoven filter fabric shall be Class 2 according to AASHTO M 288. The filter shall be fabricated to provide a direct fit to the frame. The top of the filter shall integrate a coarse screen with a minimum apparent opening size

of 1/2 in. (13 mm) to allow large volumes of water to pass through in the event of heavy flows. The filter shall have integrated anti-buoyancy pockets capable of holding a minimum of 3.0 cu ft (0.08 cu m) of stabilization material. Each filter shall have a label with the following information sewn to or otherwise permanently adhered to the outside: manufacturer's name, product name, and lot, model, or serial number. The fitted geotextile filter fabric shall be according to the table in Article 1081.15(h)(3)a above."

Add Article 1081.15(k) to the Standard Specifications to read:

"(k) Above Grade Inlet Filters (Non-Fitted). Above grade inlet filters (non-fitted) shall consist of a geotextile fabric surrounding a metal frame. The frame shall consist of either a) a circular cage formed of welded wire mesh, or b) a collapsible aluminum frame, as described below.

(1) Frame Construction.

- a) Welded Wire Mesh Frame. The frame shall consist of 6 in. x 6 in. (150 mm x 150 mm) welded wire mesh formed of #10 gauge (3.42 mm) steel conforming to ASTM A 185. The mesh shall be 30 in. (750 mm) tall and formed into a 42 in. (1.05 m) minimum diameter cylinder.
- b) Collapsible Aluminum Frame. The collapsible aluminum frame shall consist of grade 6036 aluminum. The frame shall have anchor lugs that attach it to the inlet grate, which shall resist movement from water and debris. The collapsible joints of the frame shall have a locking device to secure the vertical members in place, which shall prevent the frame from collapsing while under load from water and debris.

(2) Geotextile Fabric. The geotextile fabric shall consist of woven yarns or nonwoven filaments made of polyolefins or polyesters. The woven filter fabric shall be a Class 3 and the nonwoven filter fabric shall be a Class 2 according to AASHTO M 288. The geotextile fabric shall be according to the table in Article 1081.15(h)(3)a above.

(3) Geotechnical Fabric Attachment to the Frame.

- a) Welded Wire Mesh Frame. The woven or nonwoven geotextile fabric shall be wrapped 3 in. (75 mm) over the top member of a 6 in. x 6 in. (150 mm x 150 mm) welded wire mesh frame and secured with fastening rings constructed of wire conforming to ASTM A 641, A 809, A 370, and A 938 at 6 in. (150 mm) on center. The fastening rings shall penetrate both layers of geotextile and securely close around the steel mesh. The geotextile shall be secured to the sides of the welded wire mesh with fastening rings at a spacing of 1 per sq ft (11 per sq m) and securely close around a steel member.

b) **Collapsible Aluminum Frame.** The woven or nonwoven fabric shall be secured to the aluminum frame along the top and bottom of the frame perimeter with strips of aluminum secured to the perimeter member, such that the anchoring system provides a uniformly distributed stress throughout the geotechnical fabric.

(4) **Certification.** The manufacturer shall furnish a certificate with each shipment of above grade inlet filter assemblies stating the amount of product furnished and that the material complies with these requirements.”

80419

## **SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)**

Effective: November 2, 2017

Revised: April 1, 2019

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

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

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

80391

## **TRAFFIC CONTROL DEVICES - CONES (BDE)**

Effective: January 1, 2019

Revise Article 701.15(a) of the Standard Specifications to read:

**“(a) Cones. Cones are used to channelize traffic. Cones used to channelize traffic at night shall be reflectorized; however, cones shall not be used in nighttime lane closure tapers or nighttime lane shifts.”**

Revise Article 1106.02(b) of the Standard Specifications to read:

**“(b) Cones. Cones shall be predominantly orange. Cones used at night that are 28 to 36 in. (700 to 900 mm) in height shall have two white circumferential stripes. If non-reflective spaces are left between the stripes, the spaces shall be no more than 2 in. (50mm) in width. Cones used at night that are taller than 36 in. (900 mm) shall have a minimum of two white and two fluorescent orange alternating, circumferential stripes with the top stripe being fluorescent orange. If non-reflective spaces are left between the stripes, the spaces shall be no more than 3 in. (75 mm) in width.**

**The minimum weights for the various cone heights shall be 4 lb for 18 in. (2 kg for 450 mm), 7 lb for 28 in. (3 kg for 700 mm), and 10 lb for 36 in. (5 kg for 900 mm) with a minimum of 60 percent of the total weight in the base. Cones taller than 36 in. shall be weighted per the manufacturer’s specifications such that they are not moved by wind or passing traffic.”**

80409

**WORKING DAYS (BDE)**

Effective: January 1, 2002

The Contractor shall complete the work within 30 working days.

80071

## Vermilion County Prevailing Wage Rates posted on 3/15/2021

Trade Title	Rg	Type	C	Base	Foreman	Overtime					Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol	HW				
ASBESTOS ABT-GEN	All	BLD		31.39	32.64	1.5	1.5	2.0	2.0	7.25	17.72	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		24.25	25.25	1.5	1.5	2.0	2.0	9.00	7.40	0.00	0.50	
BOILERMAKER	All	BLD		41.00	44.00	1.5	1.5	2.0	2.0	7.07	20.57	0.00	1.24	
BRICK MASON	All	BLD		33.14	34.80	1.5	1.5	2.0	2.0	8.60	15.80	0.00	0.88	
CARPENTER	All	BLD		37.11	39.36	1.5	1.5	2.0	1.5	8.90	15.25	0.00	0.70	
CARPENTER	All	HWY		37.85	39.60	1.5	1.5	2.0	2.0	8.90	16.20	0.00	0.67	
CEMENT MASON	All	BLD		34.16	36.66	1.5	1.5	2.0	2.0	9.85	11.05	0.00	0.50	
CEMENT MASON	All	HWY		35.20	37.20	1.5	1.5	2.0	2.0	9.85	11.55	0.00	0.50	
CERAMIC TILE FINISHER	All	BLD		32.13		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
ELECTRIC PWR EQMT OP	All	ALL		47.70	56.60	1.5	1.5	2.0	2.0	7.93	13.36	0.00	0.72	
ELECTRIC PWR GRNDMAN	All	ALL		32.41	56.60	1.5	1.5	2.0	2.0	7.47	9.07	0.00	0.48	
ELECTRIC PWR LINEMAN	All	ALL		53.09	56.60	1.5	1.5	2.0	2.0	8.09	14.86	0.00	0.80	
ELECTRIC PWR TRK DRV	All	ALL		34.02	56.60	1.5	1.5	2.0	2.0	7.52	9.53	0.00	0.51	
ELECTRICIAN	All	ALL		35.30	38.83	1.5	1.5	2.0	2.0	7.25	13.36	0.00	0.75	
ELECTRONIC SYSTEM TECH	All	BLD		33.74	35.74	1.5	1.5	2.0	2.0	7.25	8.86	0.00	0.40	
FENCE ERECTOR	All	ALL		34.34	36.24	1.5	1.5	2.0	2.0	11.59	13.02	0.00	1.11	
GLAZIER	All	BLD		28.21	29.71	1.5	1.5	2.0	2.0	6.51	9.86	0.00	0.50	
HEAT/FROST INSULATOR	All	BLD		32.85		1.5	1.5	2.0	2.0	7.99	13.24	0.00	0.35	0.50
IRON WORKER	All	ALL		34.34	36.24	1.5	1.5	2.0	2.0	11.59	13.02	0.00	1.11	
LABORER	All	BLD		28.89	30.14	1.5	1.5	2.0	2.0	7.25	17.72	0.00	0.80	
LABORER	All	HWY		32.59	33.59	1.5	1.5	2.0	2.0	7.25	17.80	0.00	0.80	
LATHER	All	BLD		37.11	39.36	1.5	1.5	2.0	2.0	8.90	15.25	0.00	0.70	
MACHINIST	All	BLD		49.68	52.18	1.5	1.5	2.0	2.0	7.93	8.95	1.85	1.47	
MARBLE FINISHER	All	BLD		32.13		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
MARBLE MASON	All	BLD		33.65		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
MILLWRIGHT	All	BLD		33.06	35.31	1.5	1.5	2.0	2.0	8.90	19.76	0.00	0.70	
MILLWRIGHT	All	HWY		36.40	38.15	1.5	1.5	2.0	2.0	8.90	20.52	0.00	0.67	
OPERATING ENGINEER	All	ALL	1	42.25	43.25	1.5	1.5	2.0	2.0	10.35	11.45	0.00	1.20	
OPERATING ENGINEER	All	ALL	2	27.15	43.25	1.5	1.5	2.0	2.0	10.35	11.45	0.00	1.20	
OPERATING ENGINEER	All	ALL	3	43.25	44.25	1.5	1.5	2.0	2.0	10.35	11.45	0.00	1.20	
PAINTER	All	ALL		36.11	37.61	1.5	1.5	2.0	2.0	9.85	6.38	0.00	0.60	



PAINTER - SIGNS	All	BLD		40.74	45.75	1.5	1.5	2.0	2.0	3.04	3.90	0.00	0.00	
PILEDRIIVER	All	BLD		38.11	40.36	1.5	1.5	2.0	2.0	8.90	15.25	0.00	0.70	
PILEDRIIVER	All	HWY		37.85	39.60	1.5	1.5	2.0	2.0	8.90	16.20	0.00	0.67	
PIPEFITTER	All	ALL		38.23	41.10	1.5	1.5	2.0	2.0	9.50	7.63	0.00	0.90	0.25
PLASTERER	All	BLD		34.05	36.05	1.5	1.5	2.0	2.0	9.85	12.85	0.00	0.50	
PLUMBER	All	ALL		38.23	41.10	1.5	1.5	2.0	2.0	9.50	7.63	0.00	0.90	0.25
ROOFER	All	BLD		34.18	37.18	1.5	1.5	2.0	2.0	9.64	8.65	0.00	0.36	
SHEETMETAL WORKER	All	BLD		38.63	40.88	1.5	1.5	2.0	2.0	9.45	15.75	0.00	0.52	1.92
SPRINKLER FITTER	All	BLD		41.97	44.72	1.5	1.5	2.0	2.0	10.23	14.02	0.00	0.52	
STONE MASON	All	BLD		33.14	34.80	1.5	1.5	2.0	2.0	8.60	15.80	0.00	0.88	
TERRAZZO FINISHER	All	BLD		32.13		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
TERRAZZO MASON	All	BLD		33.65		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
TILE MASON	All	BLD		33.65		1.5	1.5	2.0	2.0	8.60	11.80	0.00	0.30	
TRUCK DRIVER	All	ALL	1	38.93	43.17	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	ALL	2	39.50	43.17	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	ALL	3	39.77	43.17	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	ALL	4	40.14	43.17	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	ALL	5	41.21	43.17	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	O&C	1	31.14	34.54	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	O&C	2	31.60	34.54	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	O&C	3	31.82	34.54	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	O&C	4	32.11	34.54	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TRUCK DRIVER	All	O&C	5	32.97	34.54	1.5	1.5	2.0	2.0	13.52	6.62	0.00	0.25	
TUCKPOINTER	All	BLD		33.14	34.80	1.5	1.5	2.0	2.0	8.60	15.80	0.00	0.88	

**Legend**

**Rg** Region

**Type** Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

**C** Class

**Base** Base Wage Rate

**OT M-F** Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

**OT Sa** Overtime pay required for every hour worked on Saturdays

**OT Su** Overtime pay required for every hour worked on Sundays

**OT Hol** Overtime pay required for every hour worked on Holidays

**H/W** Health/Welfare benefit

**Vac** Vacation

**Trng** Training

**Other Ins** Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

## Explanations VERMILION COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

Oil and chip resealing (O&C) means the application of road oils and liquid asphalt to coat an existing road surface, followed by application of aggregate chips or gravel to coated surface, and subsequent rolling of material to seal the surface.

## EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

## CERAMIC TILE FINISHER, MARBLE FINISHER, TERRAZZO FINISHER

Assisting, helping or supporting the tile, marble and terrazzo mechanic by performing their historic and traditional work assignments required to complete the proper installation of the work covered by said crafts. The term "Ceramic" is used for naming the classification only and is in no way a limitation of the product handled. Ceramic takes into consideration most hard tiles.

## ELECTRONIC SYSTEMS TECHNICIAN

Installation, service and maintenance of low-voltage systems which utilizes the transmission and/or transference of voice, sound, vision, or digital for commercial, education, security and entertainment purposes for the following: TV monitoring and surveillance, background/foreground music, intercom and telephone interconnect, field programming, inventory control systems, microwave transmission, multi-media, multiplex, radio page, school, intercom and sound burglar alarms and low voltage master clock systems.

Excluded from this classification are energy management systems, life safety systems, supervisory controls and data acquisition systems not intrinsic with the above listed systems, fire alarm systems, nurse call systems and raceways exceeding fifteen feet in length.

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

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

Class 3. Two, three or four axle trucks hauling 16 ton or more. Drivers on water pulls, articulated dump trucks, mechanics and working forepersons, and dispatchers. Class 4. Low Boy and Oil Distributors.

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

#### TRUCK DRIVER - OIL AND CHIP RESEALING ONLY.

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

OPERATING ENGINEERS - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION Class 1. Draglines, Derricks, Shovels, Gradalls, Mechanics, Tractor Highlift, Tornadozer, Concrete Mixers with Skip, Tournamixer, Two Drum Machine, One Drum Hoist with Tower or Boom, Cableways, Tower Machines, Motor Patrol, Boom Tractor, Boom or Winch Truck, Winch or Hydraulic Boom Truck, Tournapull, Tractor Operating Scoops, Bulldozer, Push Tractor, Asphalt Planer, Finishing Machine on Asphalt, Large Rollers on Earth, Rollers on Asphalt Mix, Ross Carrier or similar Machine, Gravel Processing Machine, Asphalt Plant Engineer, Paver Operator, Dredging Equipment, or Dredge Engineer, or Dredge Operator, Central Mix Plant Engineer, CMI or similar type machine, Concrete Pump, Truck or Skid Mounted, Engineer or Rock Crusher Plant, Concrete Plant Engineer, Ditching Machine with dual attachment, Tractor Mounted Loaders, Hydro Crane, Standard or Dinkey Locomotives, Scoopmobiles, Euclid Loader, Soil Cement Machine, Back Filler, Elevating Machine, Power Blade, Drilling Machine, including Well Testing, Caissons, Shaft or any similar type drilling machines, Motor Driven Paint Machine, Pipe Cleaning Machine, Pipe Wrapping Machine, Pipe Bending Machine, Apsco Paver, Boring Machine, (Head Equipment Greaser), Barber-Greene Loaders, Formless Paver, (Well Point System), Concrete Spreader, Hydra Ax, Span Saw, Marine Scoops, Brush Mulcher, Brush Burner, Mesh Placer, Tree Mover, Helicopter Crew (3), Piledriver-Skid or Crawler, Stump Remover, Root Rake, Tug Boat Operator, Refrigerating Machine, Freezing Operator, Chair Cart- Self-Propelled, Hydra Seeder, Straw Blower, Power Sub Grader, Bull Float, Finishing Machine, Self-Propelled Pavement Breaker, Lull (or similar type Machine), Two Air Compressors, Compressors hooked in Manifold, Chip Spreader, Mud Cat, Sull-Air, Fork Lifts (except when used for landscaping work), Soil Stabilizer (Seaman Tiller, Bo Mag, Rago Gator, and similar types of equipment), Tube Float, Spray Machine, Curing Machine, Concrete or Asphalt Milling Machine, Snooper Truck-Operator, Backhoe, Farm Tractors (with attachments), 4 Point Lift System (Power Lift or similar type), Skid-Steer (Bob Cat or similar type), Wrecking Shears, Water Blaster.

Class 2. Concrete Mixers without Skips, Rock Crusher, Ditching Machine under 6', Curbing Machine, One Drum Machines without Tower or Boom, Air Tugger, Self-Propelled Concrete Saw, Machine Mounted Post Hole Digger, two to four Generators, Water Pumps or Welding Machines, within 400 feet, Air Compressor 600 cu. ft. and under, Rollers on Aggregate and Seal Coat Surfaces, Fork Lift (when used for landscaping work), Concrete and Blacktop Curb Machine, One Water Pump, Oilers, Air Valves or Steam Valves, One Welding Machine, Truck Jack, Mud Jack, Gunnite Machine, House Elevators when used for hoisting material, Engine Tenders, Fireman, Wagon Drill, Flex Plane, Conveyor, Siphons and Pulsometer, Switchman, Fireman on Paint Pots, Fireman on Asphalt Plants, Distributor Operator on Trucks, Tampers, Self-Propelled Power Broom, Striping Machine (motor driven), Form Tamper, Bulk Cement Plant, Equipment Greaser, Deck Hands, Truck Crane Oiler-Driver, Cement Blimps, Form Grader, Temporary Heat, Throttle Valve, Super Sucker (and similar type of equipment).

Class 3. Power Cranes, Truck or Crawler Crane, Rough Terrain Crane (Cherry Picker), Tower Crane, Overhead Crane.

#### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

## LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.



Local Public Agency	County	Section Number	Route
Danville Township Road District	Vermilion	13-05145-00-BR	TR 325 (Stoney Cr Rd)

Funding Source:  Motor Fuel Tax  Township Bridge  Other State Funds PMA Seq #22613

Indicate for each item: A for items approved, clear, or yes check the A box, and enter the date as applicable. For items exempt or not applicable, check the E box.

**ENVIRONMENTAL ISSUES:**

	E	A	Date
1 Section 6(f) Land and Water Conservation (LAWCON) Land Conversion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2 Open Space Lands Acquisition and Development (OSLAD) Land Conversion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 Wetlands Compliance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12/16/19
4 Historic Preservation/Cultural Compliance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	01/22/20
5 Threatened and Endangered Species/Natural Areas Compliance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12/16/19
6 Farmland Conversion Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7 Special Waste Screening	<input type="checkbox"/>	<input checked="" type="checkbox"/>	04/18/19
8 Other <span style="border: 1px solid black; display: inline-block; width: 600px; height: 15px;"></span>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**PROJECT STUDIES/REPORTS:**

1 Airport Coordination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2 Railroad Coordination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3 Intersection Design Study (IDS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4 Bridge Condition Report (BCR)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12/16/19
5 Preliminary Bridge Design and Hydraulic Report (PBDHR)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12/16/19
6 Bridge Asbestos Determination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10/04/19
7 Drainage Studies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8 Geotechnical Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9 Commitments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10 Design Exceptions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11 Maximum Extent Practical for Americans with Disabilities Act (MEP-ADA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12 Other <span style="border: 1px solid black; display: inline-block; width: 600px; height: 15px;"></span> Local Project Development Report (State Approved CE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	03/04/20

**RIGHT-OF-WAY**

**PERMITS**

1 NPDES <input type="checkbox"/> ILR10 Permit # <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> ILR40 Permit # <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>			
2 Section 404 (USACE) <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> Nationwide	<input type="checkbox"/>	<input checked="" type="checkbox"/>	04/15/20
3 Section 401 Water Quality Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4 Section 9 (Coast Guard)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5 Burning of Landscape Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6 Other <span style="border: 1px solid black; display: inline-block; width: 600px; height: 15px;"></span>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

The above information is certified to be true and correct.

Prepared By	Date
Tim Howard	04/29/21
Title	
Project Engineer	

Local Public Agency Approval	Date
	5/18/21



**ADJUSTMENT ITEMS**

**EX**

**PR**

Structure To Be Adjusted



Structure To Be Cleaned



Main Structure To Be Filled



Structure To Be Filled



Structure To Be Filled Special



Structure To Be Removed



Structure To Be Reconstructed



Structure To Be Reconstructed Special



Frame and Grate To Be Adjusted



Frame and Lid To Be Adjusted



Domestic Service Box To Be Adjusted



Valve Vault To Be Adjusted



Special Adjustment



Item To Be Abandoned



Item To Be Moved



Item To Be Relocated



Pavement Removal and Replacement



**ALIGNMENT ITEMS**

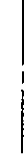
**EX**

**PR**

Baseline



Centerline



Centerline Break Circle



Baseline Symbol



Centerline Symbol



PI Indicator



Point Indicator



Horizontal Curve Data (Half Size)

BE CURVE  
P.L. STA=  
A=  
B=  
C=  
T=  
L=  
E=  
T.R.M.  
S.E. RUN=  
S.E. A.P.  
C. STA=  
P.T. STA=  
  
PR

**BOUNDARIES ITEMS**

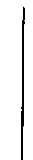
**EX**

**PR**

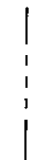
Dashed Property Line



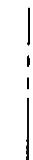
Solid Property/Lot Line



Section/Grant Line



Quarter Section Line



Quarter/Quarter Section Line



County/Township Line



State Line



Chiseled Square Found



Iron Pipe Found



Iron Pipe Set



Survey Marker



Property Line Symbol



Same Ownership Symbol (Half Size)



Northwest Quarter Corner (Half Size)



Section Corner (Half Size)



Southeast Quarter Corner (Half Size)

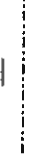


**DRAINAGE ITEMS**

**EX**

**PR**

Channel or Stream Line



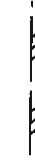
Culvert Line



Grading & Shaping Ditches



Drainage Boundary Line



Paved Ditch



Aggregate Ditch



Pipe Underdrain



Storm Sewer



Flowline



Ditch Check



Headwall



Inlet



Manhole



Summit



Roadway Ditch Flow



Swale



Catch Basin



Culvert End Section



Water Surface Indicator



Riprap



**HYDRAULICS ITEMS**

**EX**

**PR**

Overflow



Sheet Flow



Hydrant Outlet



**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
(Sheet 2 of 9)

**STANDARD 000001-08**

Illinois Department of Transportation  
ISSUED 1-1-97

APPROVED  
DIRECTOR OF PROJECT AND PROCUREMENT  
JANUARY 1, 2021

REGISTERED PROFESSIONAL ENGINEER

**EROSION & SEDIMENT CONTROL ITEMS**

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**

Approx. Index Line

Approx. Intermediate Line

Index Contour

Intermediate Contour

**NON-HIGHWAY IMPROVEMENT ITEMS**

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**

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 (cont'd.)**

Seeding Class 5

Seeding Class 7

Seedlings Type 1

Seedlings Type 2

Sodding

Mowstake w/Sign

Tree Trunk Protection

Evergreen Tree

Shade Tree

**LIGHTING**

Duct

Conduit

Electrical Aerial Cable

Electrical Buried Cable

Controller

Underpass Luminaire

Power Pole

**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
(Sheet 3 of 9)

STANDARD 000001-08

Illinois Department of Transportation  
 PASSED BY: [Signature] JUNE 11, 2021  
 APPROVED BY: [Signature] JUNE 11, 2021  
 ENGINEER OF DESIGN AND CONSTRUCTION  
 ISSUED 1-1-97



**LIGHTING  
(contd.)**

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

**PAVEMENT (MISC.)**

Keyed Long Joint		EX
Keyed Long Joint w/Tie Bars		EX
Sawed Long Joint w/Tie Bars		EX
Bituminous Shoulder		PR
Bituminous Taper		PR
Stabilized Driveway		PR
Widening		PR

**PAVEMENT MARKINGS**

Handicap Symbol		PR
RR Crossing		PR
Raised Marker Amber 1 Way		EX
Raised Marker Amber 2 Way		EX
Raised Marker Crystal 1 Way		EX
Two Way Turn Left		EX
Shoulder Diag. Pattern		EX
Skip-Dash White		EX
Skip-Dash Yellow		EX
Slop Line		EX
Solid Line		EX
Double Centerline		EX
Dotted Lines		EX

Illinois Department of Transportation  
 PASSED: [Signature] JANUARY 1, 2021  
 PROGRAM OF POLICY AND PROCEDURES  
 APPROVED: [Signature] JANUARY 1, 2021  
 ENGINEER OF DESIGN AND ENVIRONMENT

**STANDARD SYMBOLS,  
 ABBREVIATIONS  
 AND PATTERNS**  
 (Sheet 4 of 9)  
**STANDARD 000001-08**

**PAVEMENT MARKINGS  
(contd.)**

**EX**

**PR**

CL 2Ln 2Way  
RRPM 12.2 m (40') o.c.

CL 2Ln 2Way  
RRPM 80' (24.4 m) o.c.

CL Multilane Div.  
RRPM 40' (12.2 m) o.c.

CL Multilane Div.  
RRPM 80' (24.4 m) o.c.

CL Multilane Div. Div.  
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

	ISSUED	2021
	APPROVED	2021
	ENGINEER OF POLICY AND PROCEDURES ENGINEER OF DESIGN AND ESTIMATION	
	ILLINOIS DEPARTMENT OF TRANSPORTATION URBAN LT & RT TURN ARROW	

Urban LT & RT Turn Arrow

Urban Thru Arrow

**RAILROAD ITEMS**

**EX**

**PR**

Abandoned Railroad

Railroad

Railroad Point

Control Box

Crossing Gate

Flashing Signal

Railroad Cant. Mast Arm

Crossbuck

**REMOVAL ITEMS**

**EX**

**PR**

Removal Tic

Bituminous Removal

Hatch Pattern

Tree Removal Single

**RIGHT OF WAY ITEMS**

**EX**

**PR**

Future ROW Corner Monument

ROW Marker

ROW Line

Easement

Temporary Easement

**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**  
(Sheet 5 of 9)

STANDARD 000001-08

**PAVEMENT MARKINGS**  
(contd.)

EX

PR

Urban U-Turn

Urban Combined U-Turn

Rural Combination Left

Rural Combination Right

Rural Left Turn Arrow

Rural Right Turn Arrow

Rural Left Turn Only

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



**ONLY ONLY ONLY**



LANE  
BKE



**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**  
(Sheet 6 of 9)

**STANDARD 000001-08**

Illinois Department of Transportation PASSED BY: <i>[Signature]</i> APPROVED BY: <i>[Signature]</i> ENGINEER OF PUBLIC WORKS AND PROCEDURES DIVISION OF DESIGN AND ENVIRONMENT	ISSUED 1-3-97 3101 3101
	Wrong Way Arrow

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

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

**ROADWAY PLAN ITEMS**

Cable Barrier		EX	PR
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			

STA. 45+00

**ROADWAY PROFILES**

P.I. Indicator		EX	PR
Point Indicator			
Earthworks Balance Point			
Begin Point			
Vert. Curve Data			
Ditch Profile Left Side			
Ditch Profile Right Side			
Roadway Profile Line			
Storm Sewer Profile Left Side			
Storm Sewer Profile Right Side			

**SIGNING ITEMS**

Cone, Drum or Barricade		EX	PR
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.)

Reverse Left W1-4L (Half Size)		EX	PR
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 W20-5(O) (Half Size)			
Right Lane Closed Ahead W20-5(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)			

**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
(Sheet 7 of 9)  
STANDARD 000001-08

Illinois Department of Transportation  
ISSUED 1-3-97

PROJECT: *MTA* JANUARY 1, 2011  
PROGRAM: *MTA* PROJECTS  
DESIGNED BY: *Setek* JANUARY 1, 2011  
DRAWN BY: *Setek*

FORWARD: *Setek*

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

- One Way Arrow Lg. 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 R3-100L  
(Half Size)
- Keep Left R4-7AL  
(Half Size)
- Keep Left R4-7BL  
(Half Size)
- Keep Right R4-7AR  
(Half Size)
- Keep Right R4-7BR  
(Half Size)
- Stop Here On Red R10-6-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**

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

**PR**

**EX**

**TRAFFIC SHEET ITEMS**

- 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**

- Gelv. Steel Conduit
- Underground Cable
- Detector Loop Line
- Detector Loop Large
- Detector Loop Small
- Detector Loop Quadrupole

**PR**

**EX**

**PR**

**EX**

Illinois Department of Transportation  
 ISSUED 1-1-97  
 PASSED BY: [Signature] JANUARY 1, 2021  
 ENGINEER OF POLICY AND PROCEDURES  
 APPROVED BY: [Signature] JANUARY 1, 2021  
 ENGINEER OF DESIGN AND ENVIRONMENT

**STANDARD SYMBOLS,  
ABBREVIATIONS  
AND PATTERNS**  
(Sheet 8 of 9)  
**STANDARD 000001-08**

**TRAFFIC SIGNAL ITEMS (contd.)**

**EX** **PR**

Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbbox 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		

Illinois Department of Transportation  
 PASSED: *[Signature]* 2021  
 ENGINEER OF POLICE AND PROCEDURES  
 APPROVED: *[Signature]* 2021  
 ENGINEER OF POLICE AND PROCEDURES

**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**  
 (Sheet 9 of 9)  
 STANDARD 000001-08

**REINFORCEMENT BARS - ENGLISH (METRIC)**

Bar Size English (metric)	Dia. In. mm	Cross- Sectional Area sq. in. (sq. mm)	Weight lbs./ft. kg/m	SPACING, In. (mm)													
				4 (100)	4 1/2 (115)	5 (125)	5 1/2 (140)	6 (150)	6 1/2 (165)	7 (175)	7 1/2 (190)	8 (200)	8 1/2 (215)	9 (225)	10 (250)	11 (275)	12 (300)
AREA OF STEEL PER FOOT (METER), sq. in. (sq. mm)																	
3 (10)	0.375 (9.5)	0.110 (7.1)	0.376 (0.560)	0.330 (7.10)	0.293 (6.17)	0.264 (5.68)	0.240 (5.07)	0.220 (4.73)	0.203 (4.50)	0.189 (4.06)	0.176 (3.74)	0.165 (3.55)	0.155 (3.30)	0.147 (3.16)	0.132 (2.84)	0.120 (2.58)	0.110 (2.37)
4 (13)	0.500 (12.7)	0.196 (12.9)	0.668 (0.964)	0.568 (12.90)	0.523 (11.22)	0.470 (10.32)	0.428 (9.21)	0.392 (8.60)	0.362 (7.82)	0.336 (7.37)	0.314 (6.79)	0.294 (6.45)	0.277 (6.00)	0.261 (5.73)	0.235 (5.16)	0.214 (4.69)	0.196 (4.30)
5 (16)	0.625 (15.9)	0.307 (19.9)	1.043 (1.552)	0.921 (19.90)	0.819 (17.90)	0.737 (15.92)	0.670 (14.21)	0.614 (13.27)	0.567 (12.06)	0.526 (11.37)	0.491 (10.47)	0.463 (9.95)	0.433 (9.26)	0.409 (8.84)	0.368 (7.98)	0.335 (7.24)	0.307 (6.63)
6 (19)	0.750 (19.1)	0.442 (28.4)	1.502 (2.235)	1.326 (2.840)	1.179 (2.670)	1.061 (2.272)	0.964 (2.026)	0.886 (1.893)	0.816 (1.721)	0.758 (1.623)	0.707 (1.547)	0.663 (1.420)	0.624 (1.321)	0.589 (1.262)	0.530 (1.136)	0.482 (1.033)	0.442 (9.47)
7 (22)	0.875 (22.2)	0.601 (38.7)	2.044 (3.042)	1.803 (3.070)	1.603 (3.365)	1.442 (3.096)	1.311 (2.764)	1.202 (2.580)	1.110 (2.345)	1.030 (2.311)	0.962 (2.037)	0.902 (1.935)	0.848 (1.800)	0.801 (1.720)	0.721 (1.548)	0.656 (1.407)	0.601 (1.290)
8 (25)	1.000 (25.4)	0.785 (51.0)	2.670 (3.973)	2.355 (3.973)	2.083 (4.432)	1.884 (4.060)	1.713 (3.943)	1.570 (3.400)	1.449 (3.091)	1.346 (2.914)	1.256 (2.884)	1.178 (2.550)	1.108 (2.372)	1.047 (2.267)	0.942 (2.040)	0.856 (1.835)	0.785 (1.700)
9 (29)	1.128 (28.7)	1.000 (64.5)	3.400 (5.080)	3.000 (6.450)	2.667 (5.160)	2.400 (5.160)	2.182 (4.607)	2.000 (4.300)	1.846 (3.909)	1.714 (3.686)	1.600 (3.395)	1.500 (3.225)	1.412 (3.000)	1.333 (2.867)	1.200 (2.580)	1.091 (2.345)	1.000 (2.150)
10 (32)	1.370 (35.3)	1.267 (81.9)	4.303 (6.404)	3.801 (8.190)	3.379 (7.122)	3.041 (6.552)	2.764 (5.850)	2.534 (5.460)	2.339 (4.964)	2.172 (4.680)	2.027 (4.311)	1.901 (4.093)	1.789 (3.903)	1.689 (3.640)	1.520 (3.276)	1.382 (2.978)	1.267 (2.730)
11 (36)	1.610 (35.8)	1.561 (100.6)	5.313 (7.807)	4.683 (10.060)	4.163 (8.748)	3.746 (8.046)	3.406 (7.186)	3.122 (6.707)	2.882 (6.097)	2.676 (5.749)	2.498 (5.295)	2.342 (5.030)	2.204 (4.679)	2.081 (4.471)	1.873 (4.024)	1.703 (3.533)	1.561 (3.353)


 Illinois Department of Transportation  
 PROJECT: \_\_\_\_\_  
 DRAWING NO.: \_\_\_\_\_  
 ENGINEER OF PUBLIC WORKS: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 ENGINEER OF DESIGN AND CONSTRUCTION: \_\_\_\_\_

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

**AREAS OF  
REINFORCEMENT BARS**

STANDARD 001001-02

DECIMAL OF AN INCH AND OF A FOOT

A		B		A		B		A		B		A		B		A		B	
0.0052	1/16	0.0104	1/8	0.015625	1/16	0.0208	1/4	0.0260	1/8	0.03125	1/8	0.0365	1/8	0.0417	1/8	0.046875	1/8	0.0521	1/8
0.0573	1/8	0.0625	1/4	0.0677	1/8	0.0729	1/8	0.078125	1/8	0.0833	1/8	0.0885	1/8	0.09375	1/8	0.0990	1/8	0.1042	1/8
0.109375	1/8	0.1146	1/8	0.1198	1/8	0.1250	1/8	0.1302	1/8	0.1354	1/8	0.140625	1/8	0.1458	1/8	0.1510	1/8	0.15625	1/8
0.1615	1/8	0.1667	1/8	0.171875	1/8	0.1771	1/8	0.1823	1/8	0.1875	1/8	0.1927	1/8	0.1979	1/8	0.203125	1/8	0.2083	1/8
0.2135	1/8	0.21875	1/8	0.2240	1/8	0.2292	1/8	0.234375	1/8	0.2396	1/8	0.2448	1/8	0.2500	1/8	0.2552	1/8	0.2604	1/8
0.265625	1/8	0.2708	1/8	0.2760	1/8	0.28125	1/8	0.2865	1/8	0.2917	1/8	0.296875	1/8	0.3021	1/8	0.3073	1/8	0.3125	1/8
0.3177	1/8	0.3229	1/8	0.328125	1/8	0.3333	1/8	0.3385	1/8	0.34375	1/8	0.3490	1/8	0.3542	1/8	0.3595	1/8	0.3646	1/8
0.3697	1/8	0.3750	1/8	0.3802	1/8	0.3854	1/8	0.390625	1/8	0.3958	1/8	0.4010	1/8	0.40625	1/8	0.4115	1/8	0.4167	1/8
0.421875	1/8	0.4271	1/8	0.4323	1/8	0.4375	1/8	0.4427	1/8	0.4479	1/8	0.453125	1/8	0.4583	1/8	0.4635	1/8	0.46875	1/8
0.4740	1/8	0.4792	1/8	0.484375	1/8	0.4896	1/8	0.4948	1/8	0.5000	1/8	0.5052	1/8	0.5104	1/8	0.515625	1/8	0.5208	1/8
0.5260	1/8	0.53125	1/8	0.5365	1/8	0.5417	1/8	0.546875	1/8	0.5521	1/8	0.5573	1/8	0.5625	1/8	0.5677	1/8	0.5729	1/8
0.578125	1/8	0.5833	1/8	0.5885	1/8	0.59375	1/8	0.5990	1/8	0.6042	1/8	0.609375	1/8	0.6146	1/8	0.6198	1/8	0.6250	1/8
0.6302	1/8	0.6354	1/8	0.640625	1/8	0.6458	1/8	0.6510	1/8	0.65625	1/8	0.6615	1/8	0.6667	1/8	0.6720	1/8	0.6771	1/8
0.6823	1/8	0.6875	1/8	0.6927	1/8	0.6979	1/8	0.703125	1/8	0.7083	1/8	0.7135	1/8	0.71875	1/8	0.7240	1/8	0.7292	1/8
0.734375	1/8	0.7396	1/8	0.7448	1/8	0.7500	1/8	0.7552	1/8	0.7604	1/8	0.765625	1/8	0.7708	1/8	0.7760	1/8	0.78125	1/8
0.7865	1/8	0.7917	1/8	0.796875	1/8	0.8021	1/8	0.8073	1/8	0.8125	1/8	0.8177	1/8	0.8229	1/8	0.828125	1/8	0.8333	1/8
0.8385	1/8	0.84375	1/8	0.8490	1/8	0.8542	1/8	0.8595	1/8	0.8646	1/8	0.8697	1/8	0.8750	1/8	0.8802	1/8	0.8854	1/8
0.890625	1/8	0.8958	1/8	0.9010	1/8	0.90625	1/8	0.9115	1/8	0.9167	1/8	0.9220	1/8	0.9271	1/8	0.9323	1/8	0.9375	1/8
0.9427	1/8	0.9479	1/8	0.953125	1/8	0.9583	1/8	0.9635	1/8	0.96875	1/8	0.9740	1/8	0.9792	1/8	0.984375	1/8	0.9896	1/8
0.9948	1/8	1.0000	1/8																

DECIMAL OF AN INCH  
AND OF A FOOT

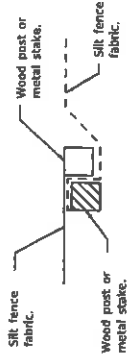
STANDARD 001006

DATE	REVISIONS
1-1-97	New Standard.

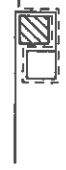
A = Fractions of Inch or Foot  
B = Inch Equivalents to Foot Fractions

Illinois Department of Transportation  
 PASSED: [Signature] January 1, 1997  
 ENGINEER OF QUALITY CONTROL  
 APPROVED: [Signature] January 1, 1997  
 ENGINEER OF DESIGN AND ENVIRONMENT



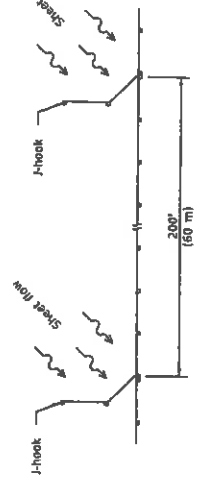


**STEP 1**  
Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

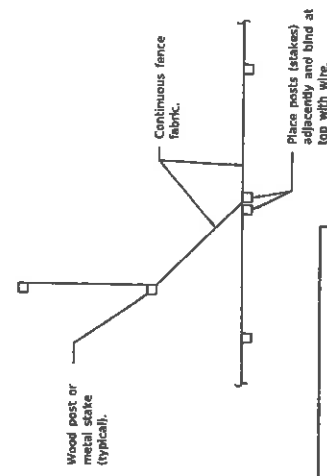


**STEP 2**  
Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

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

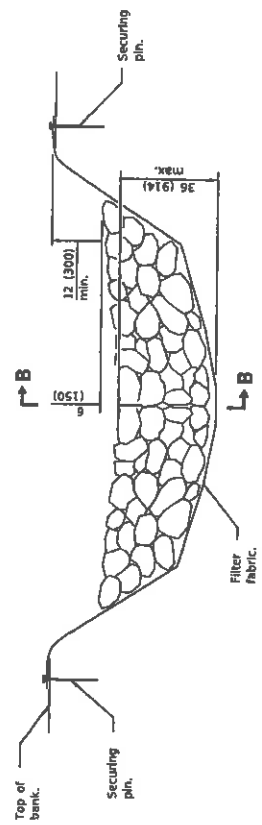


**SILT FILTER J-HOOK PLACEMENT**



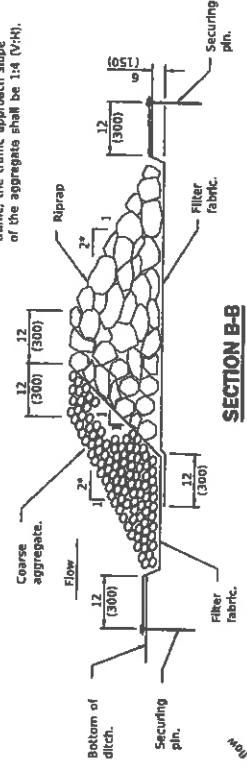
**J-HOOK**

ILLINOIS Department of Transportation	ISSUED 3-1-97
PASSED	JANUARY 1, 2013
APPROVED	APPROVED
ENGINEER OF POLICY AND PROCEDURES	2013
REGISTERED PROFESSIONAL ENGINEER	



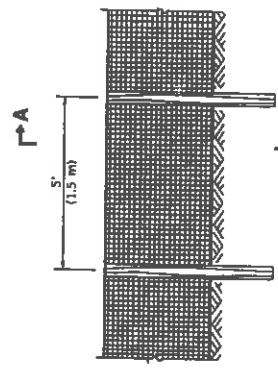
**ELEVATION**

\* 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).



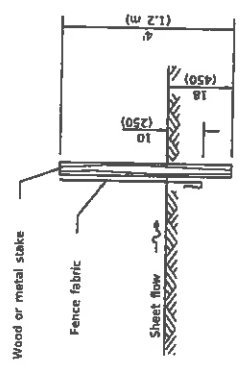
**SECTION B-B**

**AGGREGATE DITCH CHECK**

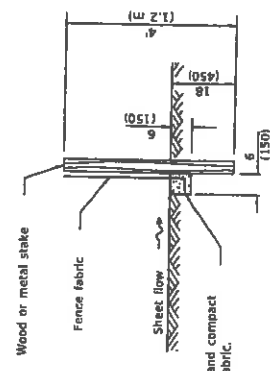


**ELEVATION**

**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**

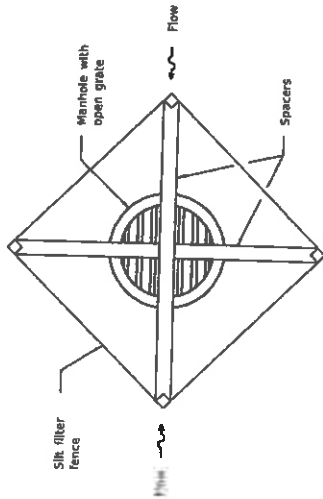
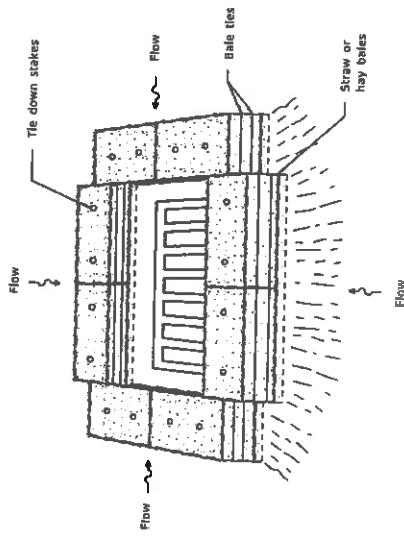
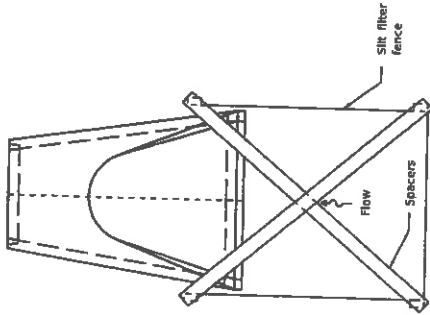
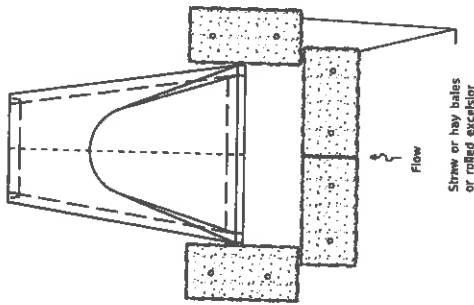
The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

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

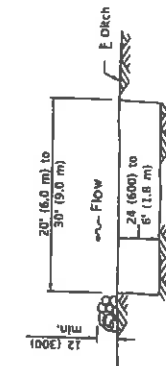
DATE	REVISIONS
1-1-13	Corrected notation for flowline (L) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

**TEMPORARY EROSION CONTROL SYSTEMS**  
(Sheet 1 of 2)

STANDARD 280001-07

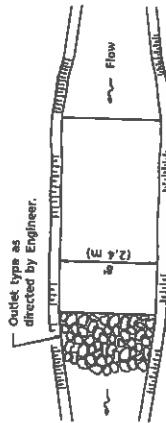


**INLET AND PIPE PROTECTION**



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

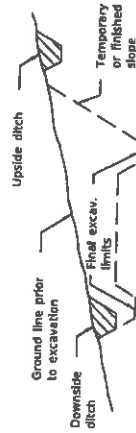
**ELEVATION**



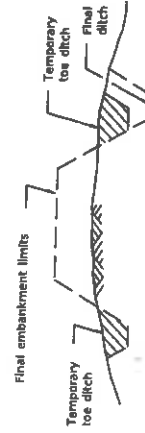
The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

**PLAN**

**SEDIMENT BASIN**



**TYPICAL CUT CROSS-SECTION**



**TYPICAL FILL CROSS-SECTION**

**TEMPORARY DITCHES FOR CUT & FILL SECTIONS**

Illinois Department of Transportation

PASSED JANUARY 1, 2013

APPROVED *Michael J. Sarnoff* ENGINEER OF POLICY AND PROCEDURES

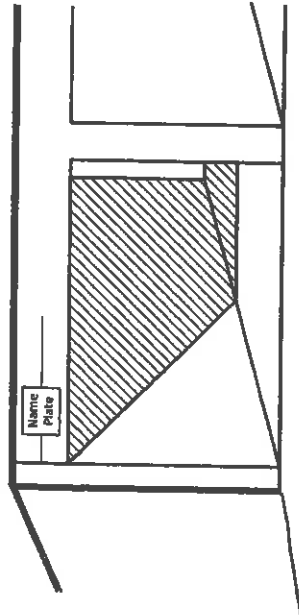
APPROVED *[Signature]* JANUARY 1, 2013

ILLINOIS DEPARTMENT OF REVENUE AND ENVIRONMENT

**TEMPORARY EROSION CONTROL SYSTEMS**

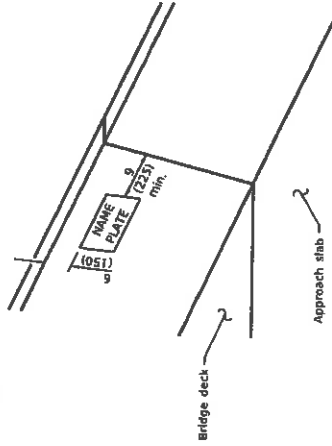
(Sheet 2 of 2)

STANDARD 280001-07

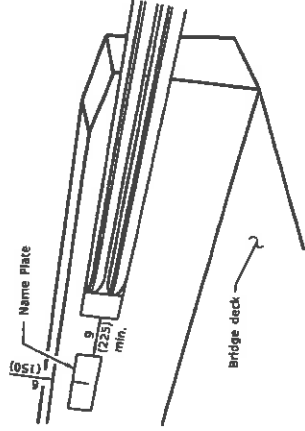


**MULTI-SPAN CULVERTS**

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

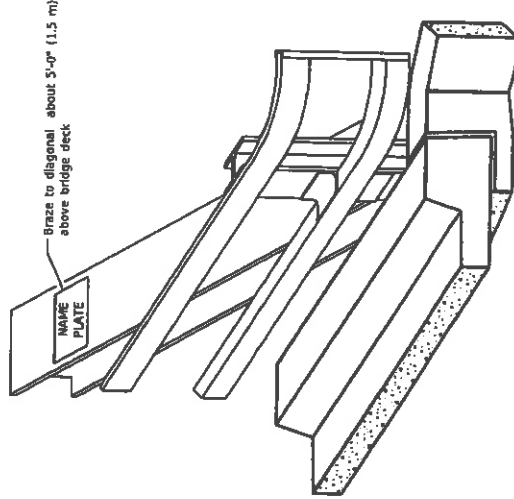


**PARAPET**  
(Typical)

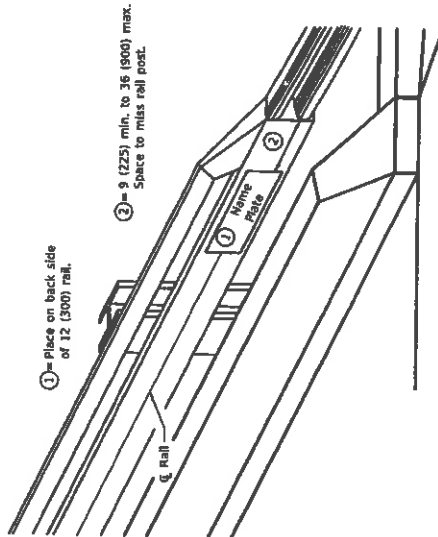


**PARAPET**

(Terminated at end of bridge)



**TRUSSES**



**STEEL RAILS**

For column type piers,  $\phi$  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.

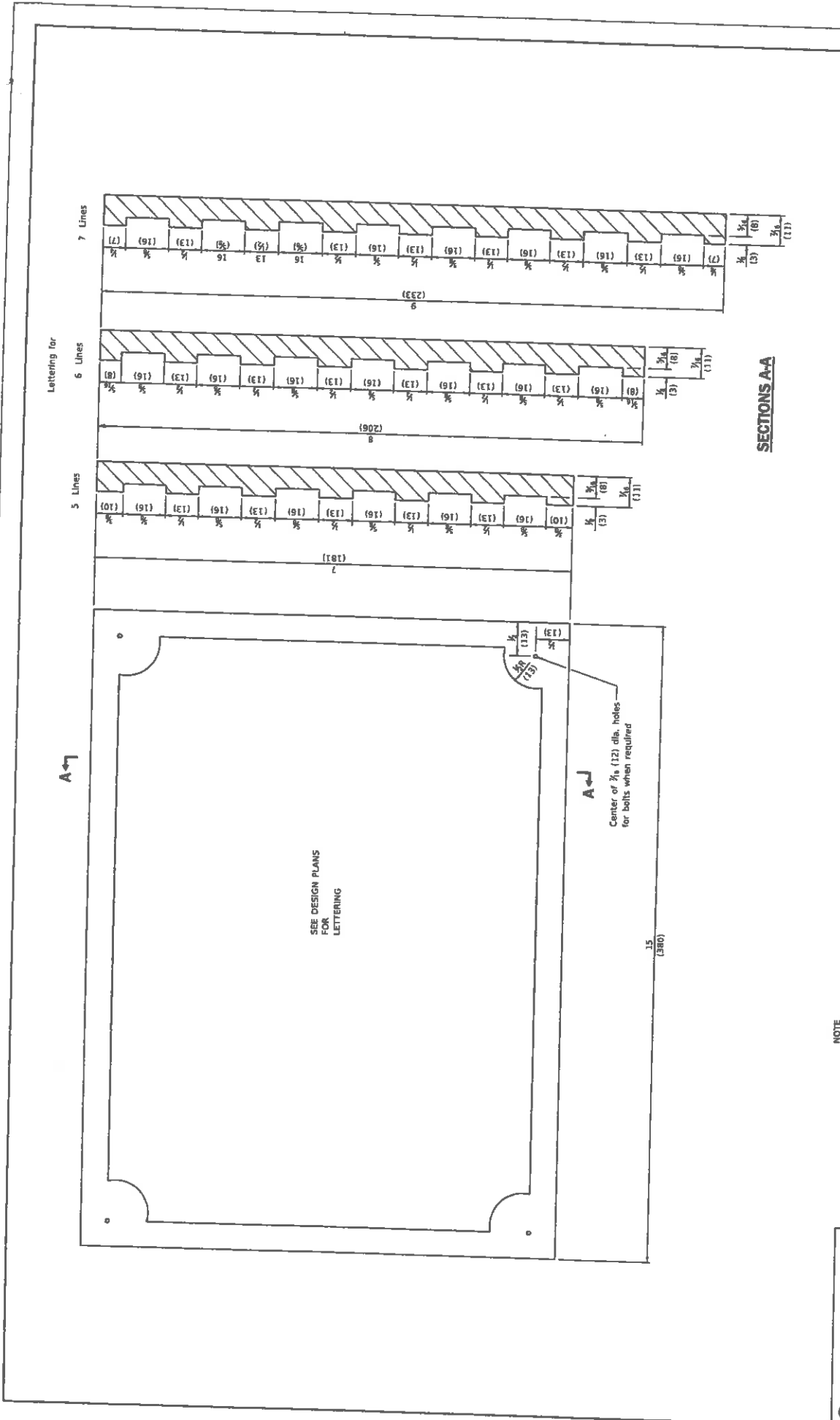
APPROVED	ISSUED
ILLINOIS DEPARTMENT OF TRANSPORTATION	1-1-97
January 1, 2020	
ENGINEER OF BRIDGE AND STRUCTURES	
APPROVED	January 1, 2020
SE	
BRIDGE AND STRUCTURES	

DATE	REVISIONS
1-1-20	Revised F-shape to constant slope parapet.
1-1-09	Switched units to English (metric).
1-1-02	Added pier detail.
	Removed flashing; note on sht. 2.
	Added brace note on sht. 1.

**NAME PLATE FOR BRIDGES**

(Sheet 1 of 2)

STANDARD 515001-04

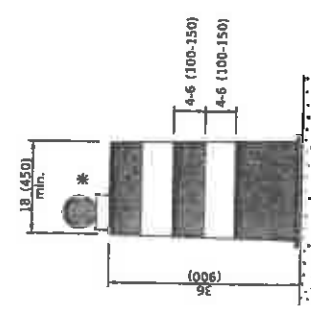


**NAME PLATE  
FOR BRIDGES**  
(Sheet 2 of 2)

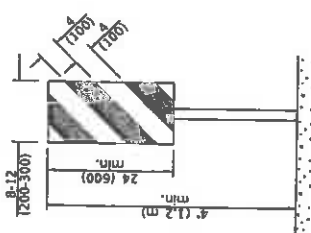
**STANDARD 615001-04**

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

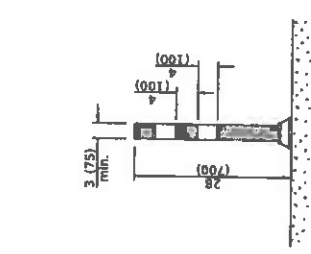
Illinois Department of Transportation		ISSUED 1-1-97	
APPROVED	JANUARY 1, 2025	APPROVED	JANUARY 1, 2025
ENGINEER OF BRIDGES AND STRUCTURES		ENGINEER OF BRIDGES AND STRUCTURES	
APPROVED		APPROVED	
REGISTERED PROFESSIONAL ENGINEER		REGISTERED PROFESSIONAL ENGINEER	



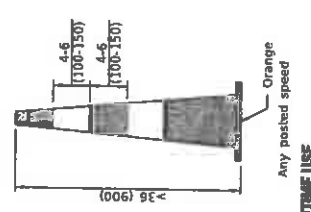
**DRUM**



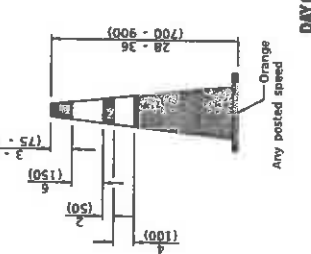
**VERTICAL PANEL,  
POST MOUNTED**



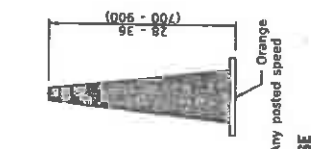
**TUBULAR MARKER**



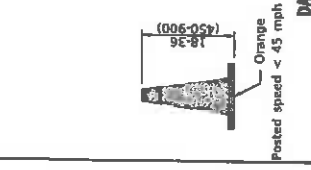
**DAY OR NIGHTTIME USE**



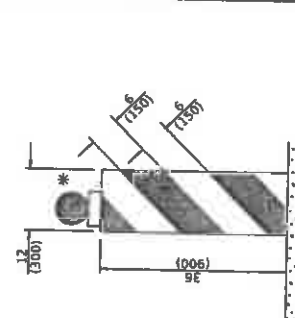
**CONES**



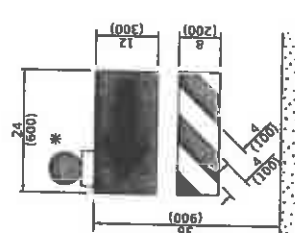
**DAYTIME USE**



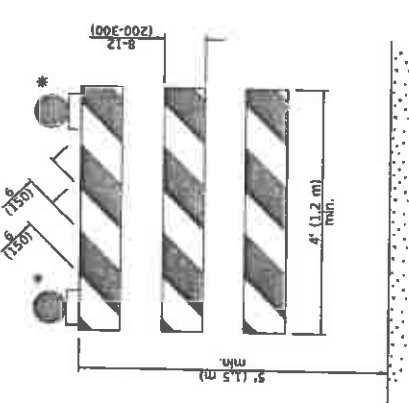
**Orange  
Posted speed < 45 mph**



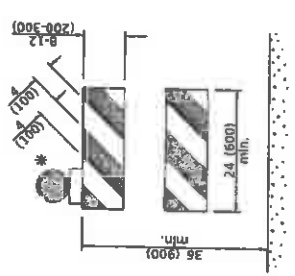
**VERTICAL BARRICADE**



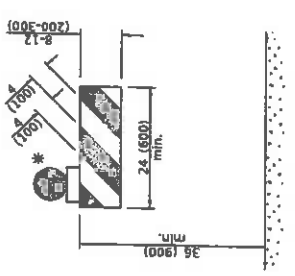
**DIRECTION INDICATOR  
BARRICADE**



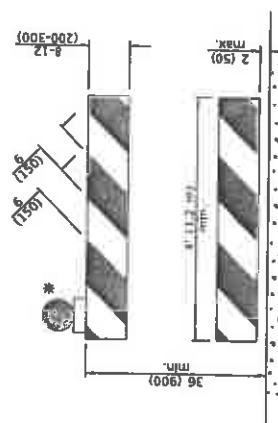
**TYPE III BARRICADE**



**TYPE II BARRICADE**



**TYPE I BARRICADE**



**DETECTABLE PEDESTRIAN  
CHANNELIZING BARRICADE**

\* Warning lights (if required)

**GENERAL NOTES**

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

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

**TRAFFIC CONTROL DEVICES**

(Sheet 1 of 3)

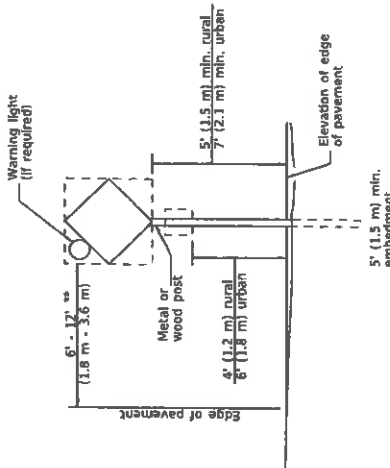
**STANDARD 701901-08**

Illinois Department of Transportation

ISSUED 3-1-13

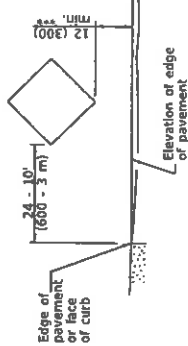
APPROVED [Signature] 2019  
ENGINEER OF SAFETY AND ENGINEERING

APPROVED [Signature] 2019  
ENGINEER OF DESIGN AND ENVIRONMENT



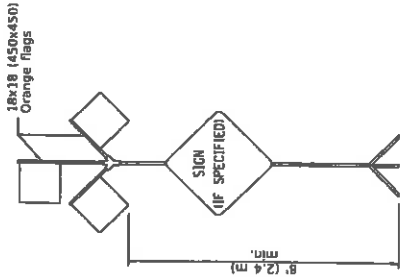
**POST MOUNTED SIGNS**

\*\* 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 on a temporary support, the height shall be sufficient to be completely above the devices.



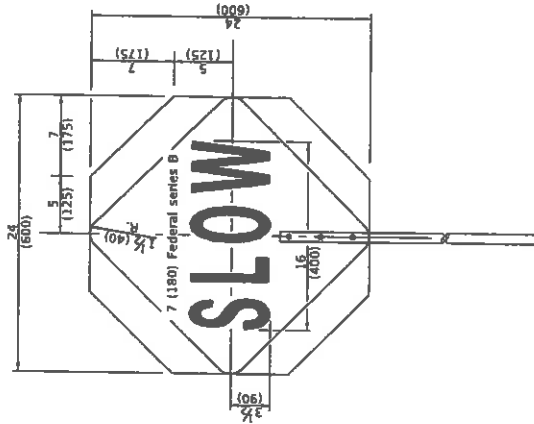
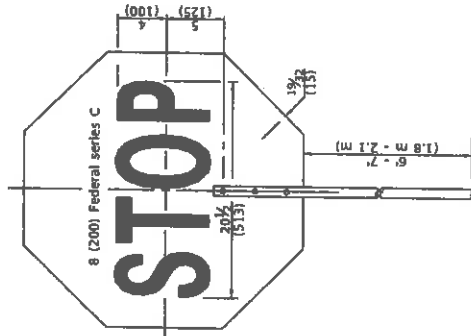
**HIGH LEVEL WARNING DEVICE**



W12-1103-4848

**WIDTH RESTRICTION SIGN**

XX-XX\* width and X miles are variable.



**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**

**WORK ZONE SPEED LIMIT XX**  
W21-1115(0)-3618

R2-1-3848

R10-1108p-3618 \*\*\*\*

**XXXX FINE MINIMUM**  
R2-1106p-3618

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

**END WORK ZONE SPEED LIMIT**  
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 701901-08**

Illinois Department of Transportation

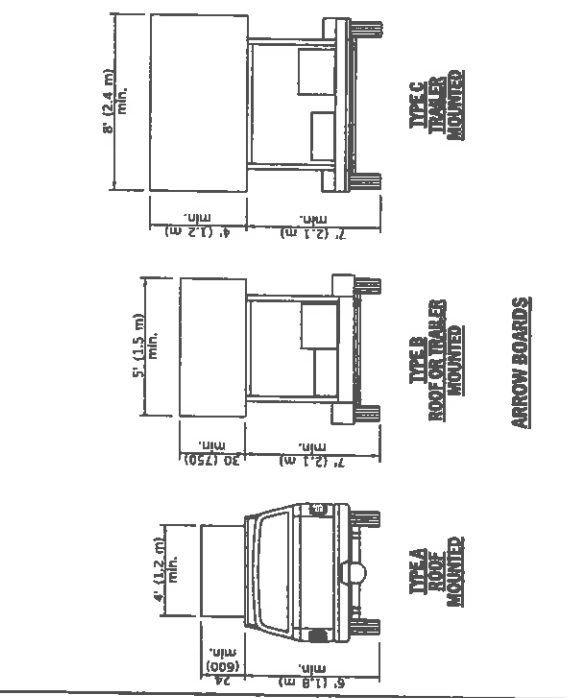
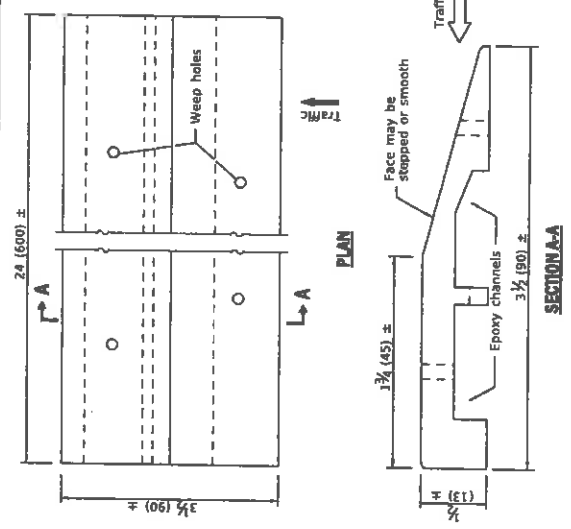
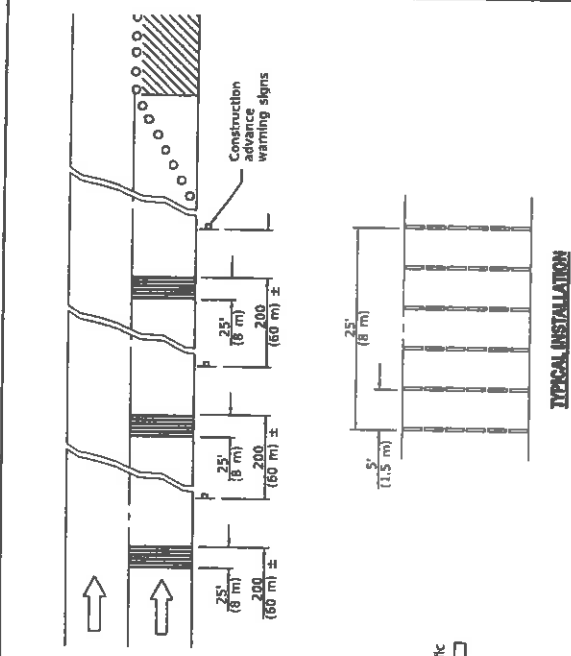
APPROVED: [Signature] 2019

ISSUED: 3-1-23

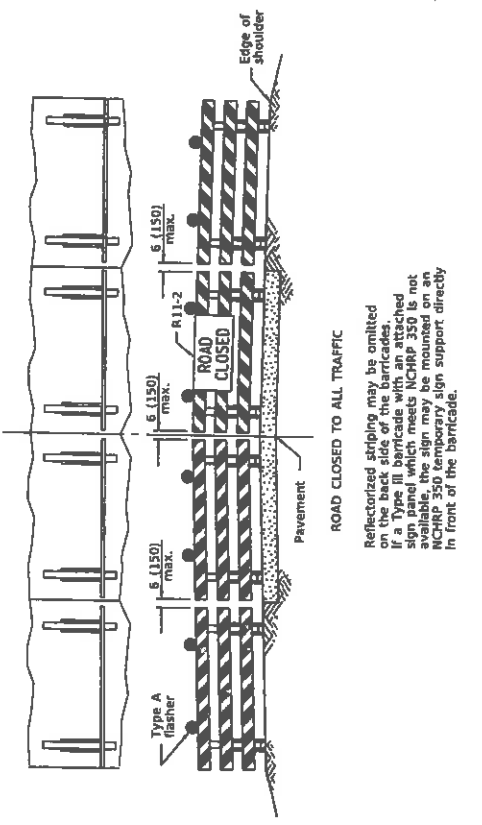
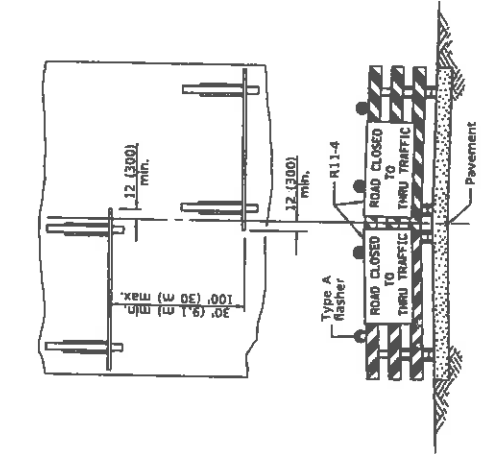
DESIGNED BY: [Signature] 2019

APPROVED: [Signature] 2019

ENGINEER OF TRAFFIC AND ENVIRONMENT



**TEMPORARY RUMBLE STRIPS**

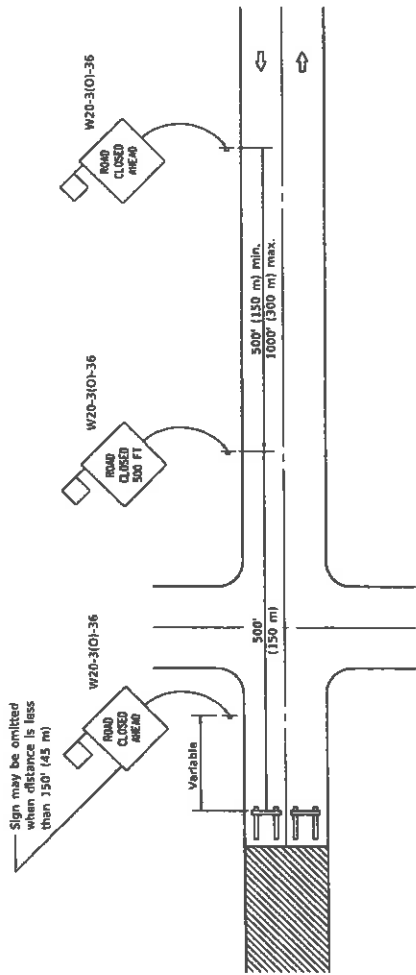


ReflectORIZED striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign panel mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

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

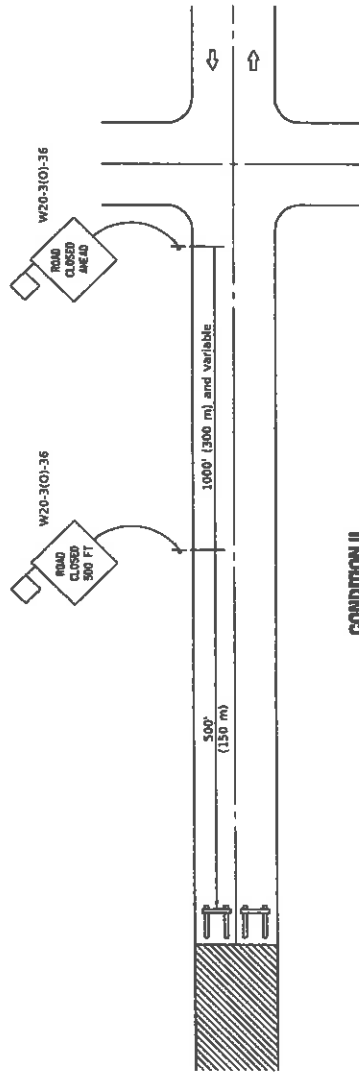
Illinois Department of Transportation  
 Approved: [Signature] January 1, 2019  
 Board of Safety, Health, and Environment  
 Approved: [Signature] January 1, 2019  
 OFFICE OF SAFETY AND ENVIRONMENT

ISSUED 1-1-13



**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 18x18 (450x450) mm 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 placed 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.

DATE	REVISIONS
1-1-12	Omitted two notes from GENERAL NOTES.
1-1-09	Switched units to English (m/mph).

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

**STANDARD B.L.R. 21-9**

ISSUED 1-1-07

Illinois Department of Transportation  
 PASSED JANUARY 1, 2012  
 ENGINEER OF LOCAL TAXES AND STREETS  
 APPROVED JANUARY 1, 2012  
 ENGINEER OF DESIGN AND ENVIRONMENT