

J. Blue



Illinois Department of Transportation

Local Public Agency Formal Contract

Contractor's Name
White Construction LLC

Contractor's Address City State Zip Code
3900 E White Avenue Clinton IN 47842

STATE OF ILLINOIS
Local Public Agency County Section Number
Champaign County Highway Department Champaign 22-00121-00-BR

Street Name/Road Name Type of Funds
1605 E Main Street, Urbana, IL 61802 ~~Rebate~~ Motor Fuel Tax

CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved
Highway Commissioner Signature & Date

Submitted/Approved
County Engineer/Superintendent of Highways Signature & Date

J. Blue 6/1/23

For a Municipal Project

Submitted/Approved/Passed
Signature & Date

Official Title

Department of Transportation

Concurrence in approval of award
Regional Engineer Signature & Date

James G. James 06/29/23

Local Public Agency	Local Street/Road Name	County	Section Number
Champaign County Highway Department	1605 E Main Street, Urbana, IL 61802	Champaign	22-00121-00-BR

1. THIS AGREEMENT, made and concluded the 1st day of June 2023 between the County of Champaign, known as the party of the first part, and White Construction LLC, its successor, and assigns, known as the party of the second part.

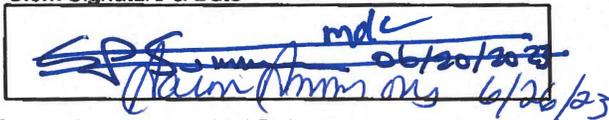
2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, 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 22-00121-00-BR in Champaign County Highway Dep, approved by the Illinois Department of Transportation on 05/02/23, 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 Champaign

Clerk Signature & Date



(SEAL, if required by the LPA)

Party of the First Part Signature & Date

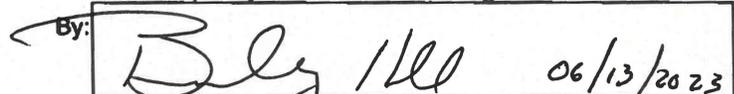
By: 

(If a Corporation)

Corporate Name

WHITE CONSTRUCTION, LLC

President, Party of the Second Part Signature & Date

By: 

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

By:

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

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

(If an individual)

Party of the Second Part Signature & Date

Attest:



(SEAL, if required by the LPA)



Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Champaign County Highway	Champaign	County Highway 6	22-00121-00-BR

Bond information to be returned to Local Public Agency at 1605 E Main Street Urbana, IL 61802
Complete Address

We, White Construction LLC 3900 E White Avenue Clinton, IN 47842
Contractor's Name and Address

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

Travelers Casualty and Surety Company of America One Tower Square, Hartford, CT 06183
Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
Seven hundred eighty-six thousand two hundred ninety-two and fifty cents

Dollars (\$786,292.50) 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 6th day of June, 2023
Day Month and Year

PRINCIPAL

Company Name
White Construction, LLC

Company Name
[Empty Box]

By
Signature & Date
[Signature] 06/09/2023

By
Signature & Date
[Empty Box]

Attest
Signature & Date
[Signature] 6/09/2023

Attest
Signature & Date
[Empty Box]

(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 IN
COUNTY OF Vermillion

I, Holly M. Hazzard, a Notary Public in and for said county, do hereby certify that

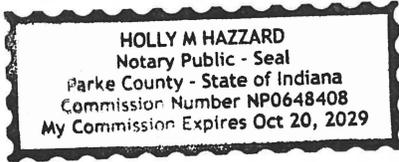
BRADLEY HILL & KRISTEN NAIL
Notary Name

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 9th day of June, 2023
Day Month, Year

(SEAL)



Notary Public Signature & Date

Holly M. Hazzard

Date commission expires 10/20/29

SURETY

Name of Surety

Travelers Casualty and Surety Company of America

Title

By: Sandra M. Nowak
Sandra M. Nowak, Attorney-in-Fact

STATE OF IL
COUNTY OF Cook

I, Christopher T. Moser, a Notary Public in and for said county, do hereby certify that

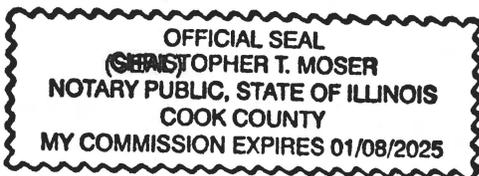
Notary Name

Sandra M. Nowak

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 6th day of June, 2023
Day Month, Year



Notary Public Signature & Date

Christopher T. Moser 06/06/2023

Date commission expires 01/08/2025

Approved this 26th day of June 2023
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

Dawn Johnson

County _____ Clerk _____
Local Public Agency Type _____

Awarding Authority

Champaign County Board

Awarding Authority Signature & Date

CP Sumner 06/20/2023



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Sandra M. Nowak of Chicago, Illinois, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

By:
Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026



Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 6th day of June, 2023.



Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**



Local Public Agency
Formal Contract Proposal



COVER SHEET

Proposal Submitted By: Contractor's Name			
White Construction. LLC			
Contractor's Address	City	State	Zip Code
3900 E. White Avenue	Clinton	IN	47842

STATE OF ILLINOIS

Local Public Agency	County	Section Number
Champaign County Highway Department	Champaign	22-00121-00-BR

Route(s) (Street/Road Name)	Type of Funds
County Highway 6	Motor Fuel Tax

Proposal Only Proposal and Plans Proposal only, plans are separate

Submitted/Approved
For Local Public Agency:

For a County and Road District Project	
Submitted/Approved	
Highway Commissioner Signature	Date
Submitted/Approved	
County Engineer/Superintendent of Highways	Date
	4/24/23

For a Municipal Project	
Submitted/Approved/Passed	
Signature	Date
Official Title	

Department of Transportation	
Released for bid based on limited review	
Regional Engineer Signature	Date
	050723

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

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Champaign County Highway Dep	Champaign	22-00121-00-BR	County Highway 6

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of Champaign County Highway Department
1605 E. Main Street Urbana, IL 61802 until 10:00 AM on 06/01/2023
Address Time Date

Sealed proposals will be opened and read publicly at the office of Champaign County Highway Department
1605 E. Main Street Urbana, IL 61802 at 10:00 AM on 06/01/2023
Address Time Date

DESCRIPTION OF WORK

Location	Project Length
County Highway 6	181.98 ft/0.034 mi

Proposed Improvement
 Removal and replacement of concrete bridge deck, removal and replacement of abutment bearings, remove and replace approach slabs and asphalt strip for transition

1. Plans and proposal forms will be available in the office of
Champaign County Highway Department

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)
Champaign County Highway Dep	Champaign	22-00121-00-BR	County Highway 6

PROPOSAL

1. Proposal of _____
Contractor's Name

Contractor's Address

2. The plans for the proposed work are those prepared by Chastain and Associates
and approved by the Department of Transportation on _____

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

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

5. The undersigned agrees to complete the work within 40 working days or by _____ unless additional time is granted in accordance with the specifications.

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

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

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

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

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

Attach Cashier's Check or Certified Check Here

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

The proposal guaranty check will be found in the bid proposal for: Section Number 22-00121-00-BR

RETURN WITH BID



SCHEDULE OF PRICES

County CHAMPAIGN
 Local Public Agency CCHD
 Section 22-00121-00-BR
 Route CH 6

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

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

Bidder's Proposal for making Entire Improvements	\$788,292.50
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Item No.	Items	Unit	Quantity	Unit Price	Total
40600290	Bituminous Materials (Tack Coat)	Pound	24	\$ 15.00	\$ 360.00
40603080	Hot-Mix Asphalt Binder Course, IL 19.0, N50	Ton	7	\$ 980.00	\$ 6,860.00
40604050	Hot-Mix Asphalt Surface Course, IL 9.5, Mic "C", N50	Ton	4	\$ 1,600.00	\$ 6,400.00
44000100	Pavement Removal	Sq Yd	27	\$ 100.00	\$ 2,700.00
48101500	Aggregate Shoulders, type B, 6"	Sq Yd	7	\$ 250.00	\$ 1,750.00
50102400	Concrete Removal	Cu Yd	95.4	\$ 650.00	\$ 62,010.00
50300100	Floor Drains	Each	14	\$ 1,200.00	\$ 16,800.00
50300225	Concrete Structures	Cu Yd	29.8	\$ 650.00	\$ 19,370.00
50300255	Concrete Superstructure	Cu Yd	195.9	\$ 1,300.00	\$ 254,670.00
50300260	Bridge Deck Grooving	Sq Yd	534	\$ 15.00	\$ 8,010.00
50500405	Furnishing and Erecting Structural Steel	Pound	3560	\$ 15.00	\$ 53,400.00
50500505	Stud Shear Connectors	Each	2835	\$ 5.00	\$ 14,175.00
50800205	Reinforcement Bars, Epoxy Coated	Pound	73,290	\$ 1.75	\$ 128,257.50
50900305	Steel Railing, Type T1	Foot	230	\$ 200.00	\$ 46,000.00
51500100	Name Plates	Each	1	\$ 750.00	\$ 750.00
52100010	Elastomeric Bearing Assembly, Type I	Each	5	\$ 2,500.00	\$ 12,500.00
52100520	Anchor Bolts, 1"	Each	10	\$ 100.00	\$ 1,000.00
67100100	Mobilization	L Sum	1	\$ 45,000.00	\$ 47,000.00
X5030550	Protective Coat (Special)	Sq Yd	702	\$ 5.00	\$ 3,510.00
X7011800	Traf Cont-Prot BLR 21	L Sum	1	\$ 5,000.00	\$ 5,000.00
Z0001899	Jack and Remove Existing Bearings	Each	5	\$ 6,500.00	\$ 32,500.00
Z0013798	Construction Layout	L Sum	1	\$ 7,500.00	\$ 7,500.00
Z0029090	Diamond Grinding (Bridge Section)	Sq Yd	572	\$ 35.00	\$ 20,020.00
Z0021400	Expansion Joint (Special)	Foot	94	\$ 275.00	\$ 25,850.00
Z0004552	Approach Slab Removal	Sq Yd	238	\$ 50.00	\$ 11,900.00



**Illinois Department
of Transportation**

Route County Highway 6
 Section 22-00121-00-BR
 County Champaign
 Project _____

Item	Unit (Check One)	Quantity	Rate Per Day	Days	Days Not Affecting Time	Total Days Required
	<input checked="" type="checkbox"/> English <input type="checkbox"/> Metric					
Bituminous Materials (Tack Coat)	Pound	24	24	1.00	1.00	0
Hot-Mix Asphalt Binder Course, IL19.0, N50	Ton	7	7	1.00	1.00	0
Hot-Mix Asphalt Surface Course, IL9.5, Mix "C N50	Ton	4	4	1.00	1.00	0
Pavement Removal	Sq Yd	27	30.00	1.00	1.00	0
Aggregate Shoulders, Type B, 6"	Sq Yd	7	7.00	1.00	1.00	0
Concrete Removal	Cu Yd	95.4	50.00	2.00		2.00
Floor Drains	Each	14	7.00	2.00	1.00	1.00
Concrete Structures	Cu Yd	29.8	30	1.00		1.00
Concrete Superstructure	Cu Yd	195.9	56.00	3.00		3.00
Bridge Deck Grooving	Sq Yd	534	173.00	3.00	1.00	2.00
Furnishing and Erecting Structural Steel	Pound	3560	900	4.00		4.00
Stud Shear Connectors	Each	2835	710.00	4.00	1.00	3.00
Reinforcement Bars, Epoxy Coated	Pound	73,290	10,000.00	7.00	1.00	6.00
Steel Railing, Type T1	Foot	230	230.00	1.00		1.00
Name Plates	Each	1	1	1.00	1.00	0
Elastomeric Bearing Assembly, Type I	Each	5	2.50	2.00		2.00
Anchor Bolts, 1"	Each	10	5.00	2.00	1.00	1.00
Mobilization	L Sum	1	1.00	1.00	1.00	0
Protective Coat (Special)	Sq Yd	702	228.00	3.00		3.00
Traf Cont-Prot BLR 21	L Sum	1	0.25	4.00	1.00	3.00
Jack and Remove Existing Bearings	Each	5	2.50	2.00	1.00	1.00
Construction Layout	L Sum	1	0.50	2.00	1.00	1.00
Diamond Grinding (Bridge Section)	Sq Yd	572	372.00	2.00		2.00
Expansion Joint (Special)	Foot	94	48.00	2.00	1.00	1.00
Approach Slab Removal	Sq Yd	238	120.00	2.00		2.00
Total Actual Working Days Required						40.00
Total Days from page one						
Total Days						40.00

Made by: S. Hitzelberger

Date: 04/18/23

Checked by: K.Brandau Date: 04/18/23

Regional Engineer

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Champaign County Highway Dep	Champaign	22-00121-00-BR	County Highway 6

CONTRACTOR CERTIFICATIONS

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

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

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

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

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

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Champaign County Highway Dep	Champaign	22-00121-00-BR	County Highway 6

SIGNATURES

(If an individual)

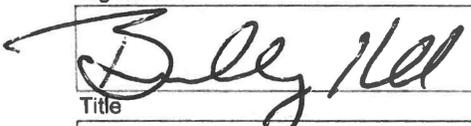
Signature of Bidder	Date
Business Address	
City	State Z p Code

(If a partnership)

Firm Name	
Signature	Date
Title	
Business Address	
City	State Z p Code

Insert the Names and Addresses of all Partners

(If a corporation)

Corporate Name		
White Construction, LLC		
Signature	Date	
	05/30/2023	
Title		
Area Manager		
Business Address		
3900 E. White Avenue		
City	State	Z p Code
Clinton	IN	47842

Insert Names of Officers

President
David Berthelsen



Local Public Agency	County	Street Name/Road Name	Section Number
Champaign County Highway Dept.	Champaign	CH 6	22-00121-00-BR

All contractors are required to complete the following certification

- For this contract proposal or for all bidding groups in this deliver and install proposal.
 For the following deliver and install bidding groups in this material proposal.

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

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

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

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

Bidder	Signature	Date
White Construction, LLC		05/30/2023
Title		
Area Manager		
Address	City	State Zip Code
3900 E. White Avenue	Clinton	IN 47842



Local Public Agency	County	Street Name/Road Name	Section Number
Champaign County Highway Dept.	Champaign	CH 6	22-00121-00-BR

I, Bradley Hill of Clinton, Indiana,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

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

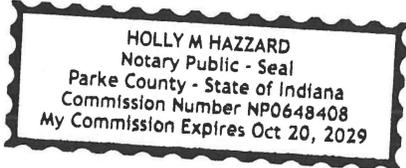
Signature <u>[Handwritten Signature]</u>	Date <u>05/30/2023</u>
Print Name of Affiant <u>Bradley Hill</u>	

Notary Public

State of _____
 County Vermillion

Signed (or subscribed or attested) before me on 5/30/23 by
(date)

Bradley Hill, authorized agent(s) of
(name/s of person/s)
White Construction
Bidder



(SEAL)

Signature of Notary Public
[Handwritten Signature]
 My commission expires 10/20/29



Local Public Agency Proposal Bid Bond

Local Public Agency	County	Section Number
Champaign County Highway 6	Champaign	22-00121-00-BR

WE, White Construction, LLC as PRINCIPAL, and Travelers Casualty and Surety Company of America 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 22nd of May, 2023
Day Month and Year

Principal

Company Name
 Signature & Date
 By:
 Title

Company Name
 Signature & Date
 By: *[Signature]* 05/25/2023
 Title
 AREA MANAGER

(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
 Travelers Casualty and Surety Company of America

Signature of Attorney-in-Fact Signature & Date
 By: *[Signature]* 05/22/2023
 Sandra M. Nowak, Attorney-in-Fact

STATE OF IL
 COUNTY OF COOK

I Christopher T. Moser, a Notary Public in and for said county do hereby certify that
Sandra M. Nowak, Attorney-in-Fact

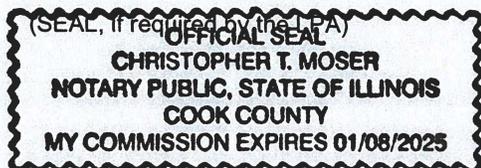
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

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 22nd day of May, 2023
Day Month and Year

Notary Public Signature & Date

[Signature] 05/22/2023
 Date commission expires 01/08/25





Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Sandra M. Nowak of Chicago Illinois, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, **2021**.



State of Connecticut

By:
 Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the **21st** day of **April**, **2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2026**



Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 22nd day of May, 2023



Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
 Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.



Local Public Agency	County	Section Number
Champaign County Highway Department	Champaign	22-00121-00-BR

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

January 1, 2022, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

DESCRIPTION OF WORK

The work included in this contract consists of: Section 22-xxxx-00-BR, removal of existing concrete deck, and replacement with a new concrete deck supported on existing steel stringer bridge, jack and remove bearings and replacement bearings, and other collateral work necessary to complete the improvement in accordance with the plans and as specified herein.

CONTRACTOR AVAILABILITY

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

PROJECT MAINTENANCE

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

TRAFFIC CONTROL PLAN

Traffic Control shall be in accordance with the applicable Sections of the Standard Specification for Road and Bridge Construction, the applicable guidelines in the Illinois Manual of Uniform Traffic Control Devices for Streets and Highways, these Special Provisions, and any special details and highway standards contained herein and in the plans.

Highway Standards: BLR 21

It is the intent to replace each bridge by closing the road utilizing Highway Standard BLR 21. The Contractor shall provide and maintain access to all properties abutting the improvement, in accordance with Article 107.09 of the Standard Specifications.

The cost of this work will be paid at the contract unit price per L.SUM of TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, and no additional compensation will be allowed.

BIDDING REQUIREMENTS

Each prospective bidder must be pre-qualified in accordance with Article 102.01 of the Standard

Specifications.**OVERHAUL**

No payment for overhaul will be allowed for earth moved to or from any source. **REMOVAL OF UNCLASSIFIED MATERIALS**

Unclassified materials shall be removed at locations shown on the plans or designated by the Engineer. The material removed as required in this Special Provision shall be disposed of outside the limits of the right-of-way in accordance with Article 202.03 of the Standard Specifications and as directed by the Engineer.

The work will not be paid for separately, but shall be considered as included in the contract unit price each for **CONCRETE REMOVAL** and no additional compensation will be allowed.

CONSTRUCTION ON PRIVATE PROPERTY

Whenever excavation is made on private property, the topsoil disturbed by the excavation operations shall be restored as nearly as possible to its original position. The whole area involved in the construction operation shall be left in a neat and presentable condition.

The Contractor shall use reasonable care to avoid disturbing portions of private property not necessary to the construction operations. If in the judgement of the Engineer, areas are unnecessarily disturbed, the Contractor shall restore these areas at his own expense.

The existing property corners (iron pipes), shall be protected and preserved by the Contractor. The Contractor shall not pile excavated material outside the limits of the right-of-way.

The cost of the work for this special provision will not be paid for separately, but will be considered as included in the cost of the contract and no additional compensation will be allowed.

CONCRETE REMOVAL

The work of this Special Provision shall be performed in accordance with Section 50I of the Standard Specifications. Removal shall include the removal of the superstructure concrete without damage to the existing steel beams and existing shear studs on the steel beams.

The concrete removal shall be disposed of by the Contractor, in accordance with all applicable State and Federal laws and at a site off of the Right-of-Way in accordance with Section 501 of the Standard Specifications, except:

The removal of existing superstructure concrete and any required pavement removal, saw cutting and excavation will not be paid for separately, but shall be considered as included in the unit price each for **CONCRETE REMOVAL** and no additional compensation will be allowed.

TEMPORARY STREAM CROSSING

Should the Contractor choose to construct a temporary stream crossing, it shall be installed and removed in accordance with Check Sheet Item 8 of the Illinois Department of Transportation Supplemental

Local Public Agency	County	Section Number
Champaign County Highway Department	Champaign	22-00121-00-BR

Specifications and Recurring Special Provisions adopted January 1, 2023. The temporary crossing shall be constructed fully within the Right-of-Way or Easement limits of the County. It will be the Contractor's responsibility to obtain and adhere to the US Army Corp of Engineer's Section 404 permit and the IEPA 401 Water Quality Permit and any other applicable permits which may be required. The Contractor shall be aware this permit process could take six months and no work on the stream crossing shall be completed before receiving approved permits.

UTILITIES

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

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

KNOWN UTILITIES IN OR NEAR PROJECT LIMITS

Name of Utility	Utility Contact Phone
Ameren Nathan Hill	(nhill2@ameren.com) 618-301-5327

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

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

RIGHT-OF-WAY

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

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

PROTECTIVE COAT (SPECIAL)

Description: This work shall consist of the use of Chem-Crete Pavix CCC100 Protective Coat on the top and outside faces of the bridge deck and approach pavement after grinding and grooving.

General Description. The crystalline concrete penetrating moisture blocker system is a complete system of compatible materials manufactured by Chem-Crete to create a moisture blocker and vapor retarder and shall be used on this project.

Project Delivery. Materials shall be delivered in original sealed containers, clearly marked with supplier's name, brand name, type of material and MSDS literature.

Storage and Handling. Recommended material storage air temperature is 70 degrees F. Handle product to avoid damage to container. Do not store for long periods in direct sunlight. Do not allow product to freeze.

Job Conditions.

a. Environmental Conditions:

1. Do not proceed with application of materials when substrate temperature is less than 40 degrees F.
2. Do not apply unless surface to receive material is clean, dry, and sound.

b. Safety and Health Conditions:

1. During coating application, the maximum effort must be made to protect the applicator and others near the workspace from coming in contact with material on

skin or eyes.

2. Use proper safety clothing, eye protection, and gloves.
3. After completion of application, do not allow heavy traffic on to treated surfaces for a period of at least 1 hour @ 75 degrees F air temperature.

c. Protection:

1. Keep products away from heat.
2. Minimize or exclude all personnel not directly involved with the application process from the area.
3. Allow completion of application, do not allow heavy traffic on to treated surfaces for a period of at least 1 hour @ 75 degrees F air temperature.

Method of Measurement. Protective Coat (Special) will be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PROTECTIVE COAT (SPECIAL).

PREFORMED JOINT SEAL (SPECIAL)

Description: Preformed, Pre-Compressed, Self-Expanding, Sealant System with Silicon Pre-Coated Surface, to be used at the abutment bridge joints and curb joints.

Sealant system shall be comprised of three components: 1) cellular polyurethane foam impregnated with hydrophobic 100% acrylic, water-based emulsion, factory coated with highway-grade, fuel resistant silicone; 2) field-applied epoxy adhesive primer, 3) field-injected silicone sealant bands. Impregnation agent to have proven non-migratory characteristics. Silicone coating to be highway-grade, low-modulus, fuel resistant silicone applied to the impregnated foam sealant at a width greater than maximum allowable joint extension and which when cured and compressed will form a bellows. Depth of seal as recommended by manufacturer. Foam seal to be installed into manufacturer's standard field-applied epoxy adhesive. The system is to be installed recessed from the surface such that when the field-applied injection band of silicone is installed between the substrates and the foam-and-silicone-bellows, the system will be 3/4" down

Champaign County Highway Department

Champaign

22-00121-00-BR

from the substrate surface.

Material shall be capable of movements of +60%, -60% (120% total) of nominal material size. Changes in plane and direction shall be executed using factory-fabricated "Universal 90" transition assemblies.

Transitions shall be warranted to be watertight at inside and outside corners through the full movement capabilities of the product.

All substitute candidates to be certified in writing to be free in composition of any waxes or asphalts, wax compounds or asphalt compounds. All substitute candidates shall be certified in writing to be: a) capable of withstanding 150°F (65°C) for 3 hours while compressed down to the minimum of movement capability dimension of the basis of design product (-25% of nominal material size) without evidence of any bleeding of impregnation medium from the material; and b) that the same material after the heat stability test will self-expand to the maximum of movement capability dimension of the basis-of-design product (+30% of nominal material size) within 24 hours at room temperature 68°F (20°C).

Acceptable Manufacturers: BEJS SYSTEM by EMSEAL or pre-approved equal.

APPROACH SLAB REMOVAL

The contractor shall saw cut the existing approach slab a sufficient depth to remove the existing approach slab to allow the new approach slab to be constructed. The Contractor shall remove the full depth of the existing approach slab, and any supporting slabs that would interfere with the construction of the new approach slab.

Method of Measurement: Approach Slab Removal will be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for APPROACH SLAB REMOVAL.

APPENDIX D: Bridge/Structure Bat Assessment Form

Bridge/Structure Bat Assessment Form Instructions

- This form will be completed to document bat occupancy or bat use of bridges, culverts, and other structures. This form shall be submitted to the appropriate personnel within the DOT and USFWS for recordkeeping (or uploaded into the Information, Planning, and Consultation (IPaC) Determination Key for use of the Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and Northern Long-Eared Bat) prior to conducting: any activities below the deck surface either from the underside or from above the deck surface that bore down to the underside; any activities that could impact expansion joints; any activities involving deck removal on bridges; or any activities involving structure demolition for bridges, culverts, and/or other structures.
- Assessments must be completed within two (2) years of conducting any work (see the above bullet), regardless of whether assessments have been conducted in the past. Assessments must be completed in appropriate weather conditions, suitable for the assessor to observe common signs of bat use.
- Evidence of bat use may include visual observation (live and/or dead), presence of guano, presence of staining, audible observation, and/or odor observation. Presence of one or more indicators is sufficient evidence that bats may be using the bridge, culvert, and/or other structure.
- If bat use of a bridge, culvert, and/or other structure is noted, additional studies may be undertaken during bat active season to identify the specific bat species utilizing the structure, or protected bat species presence can be assumed, in order to comply with threatened and endangered species regulations. Bat active season dates, typically between April and November, vary regionally and by species, so assessors should consult with their local USFWS Field Office for more specific active season dates.
- For use of the Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and Northern Long-Eared Bat – If the bridge/structure is 1,000 feet or more from suitable bat habitat¹ (e.g., an urban or agricultural area without suitable foraging habitat or corridors linking the bridge to suitable foraging habitat), check the appropriate box and fill out the table below. **No further assessment is required.**

Date & Time of Assessment	DOT Project #	Route/Facility Carried	County
Federal Structure ID	Structure Coordinates (latitude and longitude)	<input type="checkbox"/> This bridge/structure is 1,000 feet or more from suitable bat habitat ² Name: _____ Signature: _____	

- Any questions pertaining to assessments or this form should be directed to the local USFWS Field Office.

¹ Refer to the USFWS's summer survey guidance for the definition of suitable habitat (<http://www.fws.gov/midwest/endangered/mammals/inba/inbasummersurveyguidance.html>).

² This condition is only for use of the Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and Northern Long-Eared Bat

Bridge/Structure Bat Assessment Form

Date & Time of Assessment 03/21/22 1:00 pm	DOT Project Number	Route/Facility Carried CH 6	County Champaign
Federal Structure ID 010-4271	Structure Coordinates Lat: 40.04076424 S. Long: 88.42597165	Structure Height (approximate) 14.75'	Structure Length 116.50 feet
Structure Type (check one)		Structure Material (check all that apply)	
Bridge Construction Style		Deck Material	Beam Material
<input type="radio"/> Cast-in-place	<input type="radio"/> Pre-stressed Girder	<input type="checkbox"/> Metal	<input type="checkbox"/> None
<input type="radio"/> Flat Slab/Box	<input checked="" type="radio"/> Steel I-beam	<input checked="" type="checkbox"/> Concrete	<input type="checkbox"/> Concrete
<input type="radio"/> Truss	<input type="radio"/> Covered	<input type="checkbox"/> Timber	<input checked="" type="checkbox"/> Steel
<input type="radio"/> Parallel Box Beam	<input type="radio"/> Other:	<input type="checkbox"/> Open grid	<input type="checkbox"/> Timber
		<input type="checkbox"/> Other:	<input type="checkbox"/> Other:
Culvert Type	Other Structure	Culvert Material	Creosote Evidence
<input type="radio"/> Box		<input type="checkbox"/> Metal	<input type="radio"/> Yes
<input type="radio"/> Pipe/Round		<input type="checkbox"/> Concrete	<input checked="" type="radio"/> No
<input type="radio"/> Other:		<input type="checkbox"/> Plastic	<input type="radio"/> Unknown
		<input type="checkbox"/> Stone/Masonry	Notes:
		<input type="checkbox"/> Other:	
Crossings Traversed (check all that apply)		Surrounding Habitat (check all that apply)	
<input type="checkbox"/> Bare ground	<input type="checkbox"/> Open vegetation	<input checked="" type="checkbox"/> Agricultural	<input type="checkbox"/> Grassland
<input checked="" type="checkbox"/> Rip-rap	<input type="checkbox"/> Closed vegetation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Ranching
<input checked="" type="checkbox"/> Flowing water	<input type="checkbox"/> Railroad	<input type="checkbox"/> Residential-urban	<input type="checkbox"/> Riparian/wetland
<input type="checkbox"/> Standing water	<input type="checkbox"/> Road/trail - Type:	<input type="checkbox"/> Residential-rural	<input type="checkbox"/> Mixed use
<input type="checkbox"/> Seasonal water	<input type="checkbox"/> Other: Bike TRail	<input type="checkbox"/> Woodland/forested	<input type="checkbox"/> Other:
Areas Assessed (check all that apply)			
Check all areas that apply. If an area is not present in the structure, check the "not present" box. Document all bat indicators observed during the assessment. Include the species present, if known, and provide photo documentation as indicated.			
Area (check if assessed)	Assessment Notes	Evidence of Bats (include photos if present)	
<input type="checkbox"/> All crevices and cracks: Bridges/culverts: rough surfaces or imperfections in concrete Other structures: soffits, rafters, attic areas	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> Concrete surfaces (open roosting on concrete)	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> Spaces between concrete end walls and the bridge deck	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> Crack between concrete railings on top of the bridge deck 	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input type="checkbox"/> Vertical surfaces on concrete I-beams	<input type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> Spaces between walls, ceiling joists	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> Weep holes, scupper drains, and inlets/pipes	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input type="checkbox"/> All guiderails	<input type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
<input checked="" type="checkbox"/> All expansion joints	<input checked="" type="checkbox"/> Not present	<input type="checkbox"/> Visual - live #	<input type="checkbox"/> dead #
		<input type="checkbox"/> Audible	<input type="checkbox"/> Species
		<input type="checkbox"/> Guano	<input type="checkbox"/> Odor
		<input type="checkbox"/> Staining	<input type="checkbox"/> Photos
Name: Keith E. Brandau		Signature:	

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2023

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

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 1-1-22) (Revised 1-1-23)

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Three empty rectangular boxes for project identification.

Local Public Agency

County

Section Number

Large empty rectangular box for agency, county, and section number details.

Check this box for lettings prior to 01/01/2023.

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

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Local Public Agency

County

Section Number

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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:

Champaign County Highway Department

Chastain & Associates, LLC

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

Champaign County Prevailing Wage Rates posted on 4/3/2023

Trade Title	Rg	Type	C	Base	Foreman	Overtime				H/W	Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol					
ASBESTOS ABT-GEN	All	BLD		35.12	36.37	1.5	1.5	2.0	2.0	7.25	18.61	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		25.45	26.45	1.5	1.5	2.0	2.0	9.95	8.25	0.00	0.50	
BOILERMAKER	All	BLD		42.13	45.13	1.5	1.5	2.0	2.0	7.07	24.01	0.00	2.07	
BRICK MASON	All	BLD		35.16	36.92	1.5	1.5	2.0	2.0	9.25	16.30	0.00	0.91	
CARPENTER	All	BLD		37.83	40.08	1.5	1.5	2.0	2.0	9.25	17.23	0.00	0.78	
CARPENTER	All	HWY		38.10	39.85	1.5	1.5	2.0	2.0	9.25	19.40	0.00	0.75	
CEMENT MASON	All	BLD		36.36	38.86	1.5	1.5	2.0	2.0	10.00	11.70	0.00	0.50	
CEMENT MASON	All	HWY		37.24	39.24	1.5	1.5	2.0	2.0	10.00	13.00	0.00	0.50	
CERAMIC TILE FINISHER	All	BLD		33.17	33.17	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
ELECTRIC PWR EQMT OP	All	ALL		50.97	60.48	1.5	1.5	2.0	2.0	8.53	14.27	0.00	0.76	
ELECTRIC PWR GRNDMAN	All	ALL		34.63	60.48	1.5	1.5	2.0	2.0	8.04	9.70	0.00	0.52	
ELECTRIC PWR LINEMAN	All	ALL		56.74	60.48	1.5	1.5	2.0	2.0	8.70	15.88	0.00	0.85	
ELECTRIC PWR TRK DRV	All	ALL		36.35	60.48	1.5	1.5	2.0	2.0	8.09	10.18	0.00	0.54	
ELECTRICIAN	All	BLD		46.05	50.66	1.5	1.5	2.0	2.0	7.85	11.95	0.00	0.69	
ELECTRONIC SYSTEM TECH	All	BLD		35.06	38.06	1.5	1.5	2.0	2.0	7.35	11.79	0.00	0.40	
ELEVATOR CONSTRUCTOR	All	BLD		53.26	59.92	2.0	2.0	2.0	2.0	16.07	20.56	4.26	0.70	
FENCE ERECTOR	All	ALL		35.50	37.50	1.5	1.5	2.0	2.0	11.74	15.00	0.00	1.11	
GLAZIER	All	BLD		37.95	39.95	1.5	1.5	2.0	2.0	7.45	12.57	0.00	0.68	
HEAT/FROST INSULATOR	All	BLD		34.90	36.40	1.5	1.5	2.0	2.0	8.49	13.79	0.00	0.30	0.65
IRON WORKER	All	ALL		35.50	37.50	1.5	1.5	2.0	2.0	11.74	15.00	0.00	1.11	
LABORER	All	BLD		32.12	33.37	1.5	1.5	2.0	2.0	7.25	18.61	0.00	0.80	
LABORER	All	HWY		35.17	36.17	1.5	1.5	2.0	2.0	7.25	18.73	0.00	0.80	
LATHER	All	BLD		37.83	40.08	1.5	1.5	2.0	2.0	9.25	17.23	0.00	0.78	
MACHINIST	All	BLD		53.18	57.18	1.5	1.5	2.0	2.0	9.93	8.95	1.85	1.47	
MARBLE FINISHER	All	BLD		33.17	33.17	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
MARBLE MASON	All	BLD		34.69	34.69	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
MILLWRIGHT	All	BLD		34.58	36.83	1.5	1.5	2.0	2.0	9.25	20.94	0.00	0.78	
MILLWRIGHT	All	HWY		38.82	40.57	1.5	1.5	2.0	2.0	9.25	21.71	0.00	0.75	
OPERATING ENGINEER	All	ALL	1	43.85	46.85	1.5	1.5	2.0	2.0	11.35	12.50	0.00	1.30	
OPERATING ENGINEER	All	ALL	2	28.75	46.85	1.5	1.5	2.0	2.0	11.35	12.50	0.00	1.30	
OPERATING ENGINEER	All	ALL	3	45.85	46.85	1.5	1.5	2.0	2.0	11.35	12.50	0.00	1.30	

PAINTER	All	ALL		37.45	38.95	1.5	1.5	2.0	2.0	9.85	7.79	0.00	0.60	
PAINTER - SIGNS	All	ALL		37.45	38.95	1.5	1.5	2.0	2.0	9.85	7.79	0.00	0.60	
PILEDRIIVER	All	BLD		38.83	41.08	1.5	1.5	2.0	2.0	9.25	17.23	0.00	0.78	
PILEDRIIVER	All	HWY		38.10	39.85	1.5	1.5	2.0	2.0	9.25	19.40	0.00	0.75	
PIPEFITTER	All	BLD		48.54	51.55	1.5	1.5	2.0	2.0	8.75	11.14	0.00	2.14	0.10
PLASTERER	All	BLD		36.05	38.05	1.5	1.5	2.0	2.0	9.85	13.77	0.00	0.50	
PLUMBER	All	BLD		48.54	51.55	1.5	1.5	2.0	2.0	8.75	11.14	0.00	2.14	0.10
ROOFER	All	BLD		36.00	39.00	1.5	1.5	2.0	2.0	10.47	9.34	0.00	0.56	
SHEETMETAL WORKER	All	BLD		41.30	43.80	1.5	1.5	2.0	2.0	10.05	15.97	0.00	0.55	2.02
SPRINKLER FITTER	All	BLD		47.09	50.09	1.5	1.5	2.0	2.0	11.45	14.92	0.00	0.52	
STONE MASON	All	BLD		35.16	36.92	1.5	1.5	2.0	2.0	9.25	16.30	0.00	0.91	
TERRAZZO FINISHER	All	BLD		33.17	33.17	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
TERRAZZO MASON	All	BLD		34.69	34.69	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
TILE MASON	All	BLD		34.69	34.69	1.5	1.5	2.0	2.0	9.25	12.70	0.00	0.50	
TRUCK DRIVER	All	ALL	1	40.91	45.27	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	ALL	2	41.50	45.27	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	ALL	3	41.77	45.27	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	ALL	4	42.16	45.27	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	ALL	5	43.26	45.27	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	O&C	1	32.73	36.22	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	O&C	2	33.20	36.22	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	O&C	3	33.42	36.22	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	O&C	4	33.73	36.22	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TRUCK DRIVER	All	O&C	5	34.61	36.22	1.5	1.5	2.0	2.0	14.69	7.16	0.00	0.25	
TUCKPOINTER	All	BLD		35.16	36.92	1.5	1.5	2.0	2.0	9.25	16.30	0.00	0.91	

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 CHAMPAIGN 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. Five axle or more combination units.

Class 4. Low Boy and Oil Distributors.

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

TRUCK DRIVER - OIL AND CHIP RESEALING ONLY.

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

OPERATING ENGINEERS - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION Class 1. Draglines, Derricks, Shovels, Gradalls, Mechanics, Tractor Highlift, Tournadozer, 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.

BDE SPECIAL PROVISIONS
For the April 28, 2023 and June 16, 2023 Lettings

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

File Name	#		Special Provision Title	Effective	Revised
80099	1	<input type="checkbox"/>	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274	2	<input type="checkbox"/>	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192	3	<input type="checkbox"/>	Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
80173	4	<input type="checkbox"/>	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426	5	<input type="checkbox"/>	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
80436	6	<input checked="" type="checkbox"/>	Blended Finely Divided Minerals	April 1, 2021	
* 80241	7	<input type="checkbox"/>	Bridge Demolition Debris	July 1, 2009	
* 5053I	8	<input type="checkbox"/>	Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 5026I	9	<input type="checkbox"/>	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80384	10	<input checked="" type="checkbox"/>	Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	11	<input type="checkbox"/>	Completion Date (via calendar days)	April 1, 2008	
* 80199	12	<input type="checkbox"/>	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80261	13	<input type="checkbox"/>	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80434	14	<input type="checkbox"/>	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
* 80029	15	<input type="checkbox"/>	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
80229	16	<input type="checkbox"/>	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80447	17	<input type="checkbox"/>	Grading and Shaping Ditches	Jan. 1, 2023	
80433	18	<input type="checkbox"/>	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80443	19	<input type="checkbox"/>	High Tension Cable Median Barrier Removal	April 1, 2022	
80446	20	<input type="checkbox"/>	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	
80438	21	<input type="checkbox"/>	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	Sept. 2, 2021
80045	22	<input type="checkbox"/>	Material Transfer Device	June 15, 1999	Jan. 1, 2022
80441	23	<input type="checkbox"/>	Performance Graded Asphalt Binder	Jan. 1, 2023	
* 3426I	24	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80445	25	<input type="checkbox"/>	Seeding	Nov. 1, 2022	
80448	26	<input type="checkbox"/>	Source of Supply and Quality Requirements	Jan. 2, 2023	
80340	27	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	28	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397	29	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	30	<input checked="" type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80437	31	<input type="checkbox"/>	Submission of Payroll Records	April 1, 2021	Nov. 1, 2022
80435	32	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
80410	33	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
* 20338	34	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429	35	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	36	<input checked="" type="checkbox"/>	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80440	37	<input type="checkbox"/>	Waterproofing Membrane System	Nov. 1, 2021	
80302	38	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
80427	39	<input type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
* 80071	40	<input checked="" type="checkbox"/>	Working Days	Jan. 1, 2002	

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

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

The following special provisions have been deleted from use.

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

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

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

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."

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

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

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

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

80391

SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)

Effective: April 2, 2018

Add the following to Section 109 of the Standard Specifications.

“109.14 Subcontractor and Disadvantaged Business Enterprise Payment Reporting.
The Contractor shall report all payments made to the following parties:

- (a) first tier subcontractors;
- (b) lower tier subcontractors affecting disadvantaged business enterprise (DBE) goal credit;
- (c) material suppliers or trucking firms that are part of the Contractor’s submitted DBE utilization plan.

The report shall be made through the Department’s on-line subcontractor payment reporting system within 21 days of making the payment.”

80397

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 30 working days.

80071

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET

Effective as of the: January 20, 2023 Letting

√	File Name	Title	Effective	Revised
	GBSP4	Polymer Modified Portland Cement Mortar	June 7, 1994	April 1, 2016
	GBSP13	High-Load Multi-Rotational Bearings	Oct 13, 1988	Sept 2, 2022
√	GBSP14	Jack and Remove Existing Bearings	Apr 20, 1994	April 13, 2018
	GBSP15	Three Sided Precast Concrete Structure	Jul 12, 1994	Dec 21, 2016
	GBSP16	Jacking Existing Superstructure	Jan 11, 1993	April 13, 2018
	GBSP18	Modular Expansion Joint	May 19, 1994	Dec 9, 2022
	GBSP21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	Jun 30, 2003	Oct 23, 2020
	GBSP25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	April 15, 2022
	GBSP26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	Apr 22, 2016
	GBSP28	Deck Slab Repair	May 15, 1995	April 13, 2018
	GBSP29	Bridge Deck Microsilica Concrete Overlay	May 15, 1995	April 30, 2021
	GBSP30	Bridge Deck Latex Concrete Overlay	May 15, 1995	April 30, 2021
	GBSP31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	Jan 21, 2000	April 30, 2021
	GBSP33	Pedestrian Truss Superstructure	Jan 13, 1998	Dec 9, 2022
	GBSP34	Concrete Wearing Surface	Jun 23, 1994	Oct 4, 2016
	GBSP45	Bridge Deck Thin Polymer Overlay	May 7, 1997	Feb 6, 2013
	GBSP53	Structural Repair of Concrete	Mar 15, 2006	Aug 9, 2019
	GBSP55	Erection of Curved Steel Structures	Jun 1, 2007	
√	GBSP59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	April 15, 2022
	GBSP60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	April 22, 2016
	GBSP61	Slipform Parapet	Jun 1, 2007	April 15, 2022
	GBSP67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	Oct 5, 2015
	GBSP71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011
	GBSP72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	Jan 18, 2011	April 30, 2021
√	GBSP78	Bridge Deck Construction	Oct 22, 2013	Dec 21, 2016
	GBSP79	Bridge Deck Grooving (Longitudinal)	Dec 29, 2014	Mar 29, 2017
	GBSP81	Membrane Waterproofing for Buried Structures	Oct 4, 2016	March 1, 2019
	GBSP82	Metallizing of Structural Steel	Oct 4, 2016	Oct 20, 2017
	GBSP83	Hot Dip Galvanizing For Structural Steel	Oct 4, 2016	Oct 20, 2017
	GBSP85	Micropiles	Apr 19, 1996	Oct 23, 2020
	GBSP86	Drilled Shafts	Oct 5, 2015	Oct 4, 2016
	GBSP87	Lightweight Cellular Concrete Fill	Nov 11, 2001	Apr 1, 2016
	GBSP88	Corrugated Structural Plate Structures	Apr 22, 2016	April 13, 2018
	GBSP89	Preformed Pavement Joint Seal	Oct 4, 2016	Oct 23, 2020
	GBSP90	Three Sided Precast Concrete Structure (Special)	Dec 21, 2016	April 13, 2018
	GBSP91	Crosshole Sonic Logging Testing of Drilled Shafts	Apr 20, 2016	Aug 9, 2019
	GBSP92	Thermal Integrity Profile Testing of Drilled Shafts	Apr 20, 2016	
	GBSP93	Preformed Bridge Joint Seal	Dec 21, 2016	Oct 23, 2020
	GBSP94	Warranty for Cleaning and Painting Steel Structures	Mar 3, 2000	Nov 24, 2004
	GBSP96	Erection of Bridge Girders Over or Adjacent to Railroads	Aug 9, 2019	
	GBSP97	Folded/Formed PVC Pipeliner	April 15, 2022	
	GBSP98	Cured-in-Place Pipe Liner	April 15, 2022	
	GBSP99	Spray-Applied Pipe Liner	April 15, 2022	
	GBSP100	Bar Splicers	Sept 2, 2022	Dec 9, 2022
	GBSP101	Noise Abatement Wall, Ground Mounted	Dec 9, 2022	
	GBSP102	Noise Abatement Wall, Structure Mounted	Dec 9, 2022	
	GBSP103	Noise Abatement Wall Anchor Rod Assembly	Dec 9, 2022	

LIST ADDITIONAL SPECIAL PROVISIONS BELOW

The following Guide Bridge Special Provisions have been incorporated other specifications:

File Name	Title	Location
GBSP12	Drainage System	SSRBC 523
GBSP51	Pipe Underdrain for Structures	SSRBC 601
GBSP56	Setting Piles in Rock	SSRBC 512
GBSP75	Bond Breaker for Prestressed Concrete Bulb-T Beams	SSRBC 504

JACK AND REMOVE EXISTING BEARINGS

Effective: April 20, 1994

Revised: April 13, 2018

Description: This work consists of furnishing all labor, tools and equipment for jacking and supporting the existing beams/slab while removing the bearing assembly. The Contractor is responsible for the complete design of the bridge lifting procedures and the materials used. The Contractor shall furnish and place all bracing, shoring, blocking, cribbing, temporary structural steel, timber, shims, wedges, hydraulic jacks, and any other materials and equipment necessary for safe and proper execution of the work. The Contractor shall remove and dispose of the bearings according to Article 501.05 of the Standard Specifications.

Construction Requirements: The Contractor shall submit details and calculations of his/her proposed jacking systems and temporary support procedures for approval by the Engineer before commencing work. If unforeseen field conditions preclude the execution of the approved jacking plan, the Engineer may require the Contractor to provide additional supports or measures. All changes to the jacking plan shall be approved by the Structural Engineer that sealed the jacking plan. Neither added precautions nor the failure of the Engineer to order additional protection will in any way relieve the Contractor of sole responsibility for the safety of lives, equipment and structure.

- (a) Jack and Remove Existing Bearings with bridge deck in place. Jacking and cribbing under and against the existing diaphragms, if applicable, will not be allowed. The Contractor's jacking plans and procedures shall be designed and sealed by an Illinois Licensed Structural Engineer.

In all cases, traffic shall be removed from the portion of the structure to be jacked prior to and during the entire time the load is being supported by the hydraulic pressure of the jack(s). The minimum jack capacity per beam shall be as noted in the plans. Whenever possible, traffic shall be kept off that portion of the structure during the entire bearing replacement operation. The shoring or cribbing supporting the beam(s) during bearing replacement shall be designed to support the dead load plus one half of the live load and impact shown in the plans. If traffic cannot be kept off that portion of the structure during the bearing replacement then the shoring or cribbing supporting the beam(s) shall be designed to support the dead load and full live load and impact shown in the plans.

No jacking shall be allowed during the period of placement and cure time required for any concrete placed in the span(s) contributing loads to the bearings to be jacked and removed.

Jacking shall be limited to 1/8 in. (4 mm) maximum when jacking one bearing at a time. Simultaneous jacking of all beams at one support may be performed provided the maximum lift is 1/4 in. (7 mm) and the maximum differential displacement between adjacent beams is 1/8 in. (4 mm). Suitable gauges for the measurement of superstructure movement shall be furnished and installed by the Contractor.

- (b) Jack and Remove Existing Bearings when entire bridge deck is removed. Jacking and bearing removal shall be done after the removal of the existing bridge deck is complete. The Contractor's plans and procedures for the proposed jacking and cribbing system shall be designed and sealed by an Illinois Licensed Structural Engineer, unless jacking can be accomplished directly from the bearing seat under the beams or girders.

Jacking shall be limited to 1/4 in. (7 mm) maximum when jacking one beam at a time. Simultaneous jacking of all beams at one support may be performed provided the maximum lift is 3/4 in. (19 mm) and the maximum differential displacement between adjacent beams is 1/4 in. (7 mm). When staged construction is utilized, simultaneous jacking of all beams shall be limited to 1/4 in. (7 mm) unless the diaphragms at the stage line are disconnected, in which case the maximum lift is 3/4 in. (19 mm). Suitable gauges for the measurement of superstructure movement shall be furnished and installed by the Contractor.

The Contractor shall be responsible for restoring to their original condition, prior to jacking, the drainage ditches, pavement, or sloped wall disturbed by the cribbing footings.

Basis of Payment: This work will be paid for at the contract unit price each for JACK AND REMOVE EXISTING BEARINGS.

Additional supports or measures resulting from unforeseen field conditions will be paid for according to Article 109.04.

DIAMOND GRINDING AND SURFACE TESTING BRIDGE SECTIONS

Effective: December 6, 2004

Revised: April 15, 2022

Description. This work shall consist of diamond grinding and surface testing bridge sections.

The bridge section shall consist of the bridge deck plus the bridge approach slab and pavement connector, if present, at each end of the bridge.

Equipment. Equipment shall be according to the following.

- (a) Diamond Grinder. The diamond grinder shall be a self-propelled planing machine specifically designed for diamond saw grinding. It shall be capable of accurately establishing the profile grade and controlling the grinding cross slope. It shall also have an effective means for removing excess material and slurry from the surface and for preventing dust from escaping into the air. The removal of slurry shall be continuous throughout the grinding operation. The slurry shall be disposed of according to Article 202.03.

The grinding head shall be a minimum of 4 ft. (1.2 m) wide and the diamond saw blades shall be gang mounted on the grinding head at a rate of 50 to 60 blades / ft. (164 to 197 blades/m).

- (b) Surface Testing Equipment. Required surface testing and analysis equipment and their jobsite transportation shall be provided by the Contractor. The Profile Testing Device shall be according to Illinois Test Procedure 701 except the trace analysis shall be based on traces from bridge sections.

CONSTRUCTION REQUIREMENTS

General. After all components have been properly cured, the bridge section shall be ground over its entire length and over a width that extends to within 2 ft. (600 mm) of the curbs or parapets. Grinding shall be done separately before any saw cut grooving, and no concurrent combination of the two operations will be permitted. Whenever possible, each subsequent longitudinal grinding pass shall progress down the cross slope from high to low. The maximum thickness removed shall be 1/4 inch (6 mm); however, when the bridge deck thickness noted on the plans can be maintained, as a minimum, additional removal thickness may be permitted.

The grinding process shall produce a pavement surface that is true in grade and uniform in appearance with longitudinal line-type texture. The line-type texture shall contain corrugations parallel to the outside pavement edge and present a narrow ridge corduroy type appearance. The peaks of the ridges shall be 1/8-inch +/- 1/16-inch (3 mm +/- 1.5 mm) higher than the bottom of the grinding with evenly spaced ridges. It shall be the

Contractor's responsibility to select the actual number of blades per foot (meter) to be used to provide the proper surface finish for the aggregate type and concrete present on the project within the limits specified above.

The vertical difference between longitudinal passes shall be 1/8 inch (3 mm) maximum. The grinding at the ends of the bridge section shall be diminished uniformly at a rate of 1:240 over the pavement connectors.

Grinding shall be continuous through all joints. All expansion joints and bridge components under the joints shall be protected from damage or contact with the grinding slurry.

Surface Testing. The diamond ground bridge section shall be surface tested in the presence of the Engineer prior to opening to traffic.

A copy of the approval letter and recorded settings from the Profile Equipment Verification (PEV) Program shall be submitted to the Engineer prior to testing.

The Contractor shall notify the Engineer a minimum of 24 hours prior to commencement of measurements. All objects and debris shall be removed from the bridge section surface prior to testing. During surface testing, joint openings may be temporarily filled with material approved by the Engineer.

Profiles shall be taken in both wheel paths of each lane, 3 ft. (1 m) from, and parallel to, the planned lane lines.

The profile report shall have stationing indicated every 500 ft. (150 m) at a minimum. The profile report shall include the following information: contract number, structure number, beginning and ending stationing, which lane was tested, direction of travel on the trace, date of collection, time of collection, ambient air temperature at time of collection, and the device operator name(s). The data file created from the testing will be submitted to the Engineer and the Bureau of Research for analysis. The file shall be in a format that is compatible with ProVAL software (ERD, PPF).

Trace Reduction and Bump Locating Procedure. All traces shall be reduced using ProVal. This software shall calculate the Mean International Roughness Index (MRI) in inches/mile (mm/km) and indicate any areas of localized roughness in excess of 200 inches/mile (3105 mm/km) on a continuous 25 feet (8 meters) basis.

The average MRI and locations with deviations exceeding the 200 inches/mile (3105 mm/km) limit will be recorded on the Profile Report for Bridge Deck Smoothness.

All ProVAL files shall be provided to the Engineer within two working days of completing the testing. Bureau of Construction Form BC 2450 shall be provided to the Engineer. An

example Form BC 2450 is attached. All files shall contain serial numbers for the vehicle and profiling equipment, the approved settings from the PEV program. The Engineer will compare these settings with the approved settings from the PEV Program. If the settings do not match, the results will be rejected and the section shall be retested/reanalyzed with the appropriate settings.

Corrective Actions. Within the bridge section, all deviations in excess of 200 inches/mile (1575 mm) within any continuous length of 25 ft. (8 m) shall be corrected. Correction of deviations shall not result in the deck thickness being less than the minimum. Where corrective work is performed, the bridge section shall be retested to verify that corrections have produced a MRI of 200 inch/mile (3105 mm/km) within an continuous length of 25 ft (8 m) or less for each lane. The Contractor shall furnish and Form BC 2450 the ProVAL files to the Engineer and the Bureau of Research within two working days after any corrections are made.

Corrective actions shall be performed at no additional cost to the department.

The Engineer may perform profile testing on the surface at any time for monitoring and comparison purposes.

Method of Measurement. This work will be measured for payment in place and the area computed in square yards (square meters) of diamond grinding performed.

Basis of Payment. This work will be paid for at the contract unit price per square yard (square meter) for DIAMOND GRINDING (BRIDGE SECTION).

Instructions for Completing Bridge Deck Smoothness Assessment Summary ALR

This form shall be prepared and submitted, along with the raw data files, to the Engineer.

Report Type:

Initial – Testing of bridge section prior to any smoothness grinding.

Intermediate – After initial pass of smoothness grinding has been completed.

Final – All smoothness grinding has been completed.

Other information:

Submission Date – Date in which it has been submitted to the Engineer

Project Type – New Deck, Microsilica Overlay, Latex Overlay, Fly Ash Overlay

Specification Effective Date – revision date of the specification in the contract

Begin ALR Section 1 – beginning station of ALR finding

End ALR Section 1 – end station of ALR finding

Distance – End ALR minus the Begin ALR station number

MRI – The value of the ALR at that location.



Bridge Deck Smoothness Assessment Summary Areas of Localized Roughness

This worksheet is intended as a reference for documenting Areas of Localized Roughness (ALR) as described in GBSP-59.

Contract Information		Contact Info			
Contract	60111	IDOT RE Name	Jerry Jones		
District	1	IDOT RE E-Mail	Jerry.Jones2@illinois.gov		
Letting Date	1/15/2022	IDOT RE Phone	217-555-4183		
Item #	26	Contractor Rep. Name	Bob Builder		
Route	IL 164	Contractor Rep. E-Mail	Bob.Builder@RT88Const.com		
Report Type (Initial or Post Grinding)	Initial	Contractor Rep. Phone	217-555-2622		
Lane	Driving	General Comments			
Direction	Eastbound				
Begin Station	13+45.00				
End Station	14+65.00				
Contractor	Bob the Bridge Builder				
Submission Date	4/1/2022				
Overlay Type	Microsilica				
Specification Effective Date	1/1/2022				
Begin ALR Section 1	13+56.00			Distance (ft)	MRI (in/mi)
End ALR Section 1	13+64.20			8.2	256.40
Begin ALR Section 2	14+04.60				
End ALR Section 2	14+06.00	1.4	278.90		
Begin ALR Section 3					
End ALR Section 3					
Begin ALR Section 4					
End ALR Section 4					
Begin ALR Section 5					
End ALR Section 5					
Begin ALR Section 6					
End ALR Section 6					
Begin ALR Section 7					
End ALR Section 7					
Begin ALR Section 8					
End ALR Section 8					
Begin ALR Section 9					
End ALR Section 9					
Begin ALR Section 10					
End ALR Section 10					

BRIDGE DECK CONSTRUCTION

Effective: October 22, 2013

Revised: December 21, 2016

When Diamond Grinding of Bridge Sections is specified, hand finishing of the deck surface shall be limited to areas not finished by the finishing machine and to address surface corrections according to Article 503.16(a)(2). Hand finishing shall be limited as previously stated solely for the purpose of facilitating a more timely application of the curing protection. In addition the requirements of 503.16(a)(3)a. and 503.16(a)(4) will be waived.

Revise the Second Paragraph of Article 503.06(b) to read as follows.

“When the Contractor uses cantilever forming brackets on exterior beams or girders, additional requirements shall be as follows.”

Revise Article 503.06(b)(1) to read as follows.

- “(1) Bracket Placement. The spacing of brackets shall be per the manufacturer’s published design specifications for the size of the overhang and the construction loads anticipated. The resulting force of the leg brace of the cantilever bracket shall bear on the web within 6 inches (150 mm) of the bottom flange of the beam or girder.”

Revise Article 503.06(b)(2) to read as follows.

- “(2) Beam Ties. The top flange of exterior steel beams or girders supporting the cantilever forming brackets shall be tied to the bottom flange of the next interior beam. The top flange of exterior concrete beams supporting the cantilever forming brackets shall be tied to the top flange of the next interior beam. The ties shall be spaced at 4 ft (1.2 m) centers. Permanent cross frames on steel girders may be considered a tie. Ties shall be a minimum of 1/2 inch (13 mm) diameter threaded rod with an adjusting mechanism for drawing the tie taut. The ties shall utilize hanger brackets or clips which hook onto the flange of steel beams. No welding will be permitted to the structural steel or stud shear connectors, or to reinforcement bars of concrete beams, for the installation of the tie bar system. After installation of the ties and blocking, the tie shall be drawn taut until the tie does not vary from a straight line from beam to beam. The tie system shall be approved by the Engineer.”

Revise Article 503.06(b)(3) to read as follows.

- “(3) Beam Blocks. Suitable beam blocks of 4 in x 4 in (100 x 100 mm) timbers or metal structural shapes of equivalent strength or better, acceptable to the Engineer, shall be wedged between the webs of the two beams tied together, within 6 inches (150 mm) of the bottom flange at each location where they are tied. When it is not feasible to have

the resulting force from the leg brace of the cantilever brackets transmitted to the web within 6 inches (150 mm) of the bottom flange, then additional blocking shall be placed at each bracket to transmit the resulting force to within 6 inches (150 mm) of the bottom flange of the next interior beam or girder.”

Delete the last paragraph of Article 503.06(b).

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

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2011 GEN 5

DATE	REVISIONS	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 1 of 9)
1-1-21	Updated fonts, abbreviations and symbols.	
1-1-19	Added new symbols.	
		STANDARD 000001-08

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

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Michael Bond
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APPROVED January 1, 2021
John E. ...
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ISSUED 1-1-21

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

STANDARD 000001-08

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

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

STANDARD 000001-08

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7-10-11 65855

**LIGHTING
(contd.)**

EX

PR

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



Traffic Flow Arrow



High Mast Pole
(Hall Size)



Light Unit-1



PAVEMENT (MISC.)

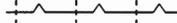
EX

PR

Keyed Long, Joint



Keyed Long, Joint w/Tie Bars



Sawed Long, Joint w/Tie Bars



Bituminous Shoulder



Bituminous Taper



Stabilized Driveway



Widening



PAVEMENT MARKINGS

EX

PR

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



Raised Marker Amber 2 Way



Raised Marker Crystal 1 Way



Two Way Turn Left



Shoulder Diag. Pattern



Skip-Dash White



Skip-Dash Yellow



Stop Line



Solid Line



Double Centerline



Dotted Lines



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2021 11/11/21

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

STANDARD 000001-08

PAVEMENT MARKINGS
(contd.)

EX

PR

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



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



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



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



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



CL Multilane Undiv.



Two Way Turn Left Line



Urban Combination Left



Urban Combination Right



Urban Left Turn Arrow



Urban Right Turn Arrow



Urban Left Turn Only



Urban Right Turn Only



Urban Thru Only



Urban LT & RT Turn Arrow



Urban Thru Arrow



ONLY ONLY ONLY

RAILROAD ITEMS

EX

PR

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck



REMOVAL ITEMS

EX

PR

Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



RIGHT OF WAY ITEMS

EX

PR

Future ROW Corner Monument



ROW Marker



ROW Line



Easement



Temporary Easement



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

STANDARD 000001-08

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401-TH-1000-01

Urban LT & RT Turn Arrow

Urban Thru Arrow

TRAFFIC SIGNAL ITEMS (contd.)			EX	PR	UNDERGROUND UTILITY ITEMS			EX	PR	ABANDONED	UTILITY ITEMS (contd.)			EX	PR
Detector Raceway					Cable TV						Traffic Signal				
Aluminum Mast Arm					Electric Cable						Traffic Signal Control Box				
Steel Mast Arm					Fiber Optic						Water Meter				
Veh. Detector Magnetic					Gas Pipe						Water Meter Valve Box				
Conduit Splice					Oil Pipe						Profile Line				
Controller					Sanitary Sewer						Aerial Power Line				
Gulfbox Junction					Telephone Cable						VEGETATION ITEMS			EX	PR
Wood Pole					Water Pipe						Deciduous Tree				
Temp. Signal Head					UTILITIES ITEMS			EX	PR	Bush or Shrub					
Handhole					Controller						Evergreen Tree				
Double Handhole					Double Handhole						Stump				
Heavy Duty Handhole					Fire Hydrant						Orchard/Nursery Line				
Junction Box					GuyWire or Deadman Anchor						Vegetation Line				
Ped. Pushbutton Detector					Handhole						Woods & Bush Line				
Ped. Signal Head					Heavy Duty Handhole						WATER FEATURE ITEMS			EX	PR
Power Pole Service					Junction Box						Stream or Drainage Ditch				
Priority Veh. Detector					Light Pole						Waters Edge				
Signal Head					Manhole						Water Surface Indicator				
Signal Head w/Backplate					Monitoring Well (Gasoline)						Water Point				
Signal Post					Pipeline Warning Sign						Disappearing Ditch				
Closed Circuit TV					Power Pole						Marsh				
Video Detector System					Power Pole with Light						Marsh/Swamp Boundary				
					Sanitary Sewer Cleanout						<div style="border: 1px solid black; padding: 5px; text-align: center;"> STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS <small>(Sheet 9 of 9)</small> STANDARD 000001-08 </div>				
					Splice Box Above Ground										
					Telephone Splice Box Above Ground										
					Telephone Pole										

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LUCY CAMPBELL

REINFORCEMENT BARS - ENGLISH (METRIC)																	
Bar Size English (metric)	Dia. in. mm	Cross- Sectional Area sq. in. (sq. mm)	Weight lbs./ft. kg/m	SPACING, in. (mm)													
				4 (100)	4½ (115)	5 (125)	5½ (140)	6 (150)	6½ (165)	7 (175)	7½ (190)	8 (200)	8½ (215)	9 (225)	10 (250)	11 (275)	12 (300)
				AREA OF STEEL PER FOOT (METER), sq. in. (sq. mm)													
3 (10)	0.375 (9.5)	0.110 (71)	0.376 (0.560)	0.330 (710)	0.293 (617)	0.264 (566)	0.240 (507)	0.220 (473)	0.203 (430)	0.189 (406)	0.176 (374)	0.165 (355)	0.155 (330)	0.147 (316)	0.132 (284)	0.120 (258)	0.110 (237)
4 (13)	0.500 (12.7)	0.196 (129)	0.668 (0.944)	0.588 (1290)	0.523 (1122)	0.470 (1032)	0.428 (921)	0.392 (860)	0.362 (782)	0.336 (737)	0.314 (679)	0.294 (645)	0.277 (600)	0.261 (573)	0.235 (516)	0.214 (469)	0.196 (430)
5 (16)	0.625 (15.9)	0.307 (199)	1.043 (1.552)	0.921 (1990)	0.819 (1730)	0.737 (1592)	0.670 (1421)	0.614 (1327)	0.567 (1206)	0.526 (1137)	0.491 (1047)	0.461 (995)	0.433 (926)	0.409 (884)	0.368 (796)	0.335 (724)	0.307 (663)
6 (19)	0.750 (19.1)	0.442 (284)	1.502 (2.235)	1.326 (2840)	1.179 (2470)	1.061 (2272)	0.964 (2029)	0.884 (1893)	0.816 (1721)	0.758 (1623)	0.707 (1495)	0.663 (1420)	0.624 (1321)	0.589 (1262)	0.530 (1136)	0.482 (1033)	0.442 (947)
7 (22)	0.875 (22.2)	0.601 (387)	2.044 (3.042)	1.803 (3870)	1.603 (3365)	1.442 (3096)	1.311 (2764)	1.202 (2580)	1.110 (2345)	1.030 (2211)	0.962 (2037)	0.902 (1935)	0.848 (1800)	0.801 (1720)	0.721 (1548)	0.656 (1407)	0.601 (1290)
8 (25)	1.000 (25.4)	0.785 (510)	2.670 (3.973)	2.355 (5100)	2.093 (4435)	1.884 (4080)	1.713 (3543)	1.570 (3400)	1.449 (3091)	1.346 (2914)	1.256 (2684)	1.178 (2550)	1.108 (2372)	1.047 (2267)	0.942 (2040)	0.856 (1855)	0.785 (1700)
9 (29)	1.128 (28.7)	1.000 (645)	3.400 (5.060)	3.000 (6450)	2.667 (5609)	2.400 (5160)	2.182 (4607)	2.000 (4300)	1.846 (3909)	1.714 (3686)	1.600 (3395)	1.500 (3225)	1.412 (3000)	1.333 (2867)	1.200 (2580)	1.091 (2345)	1.000 (2150)
10 (32)	1.270 (32.3)	1.267 (819)	4.303 (6.404)	3.801 (8190)	3.379 (7122)	3.041 (6552)	2.764 (5850)	2.534 (5460)	2.339 (4964)	2.172 (4680)	2.027 (4311)	1.901 (4095)	1.789 (3809)	1.689 (3640)	1.520 (3276)	1.382 (2978)	1.267 (2730)
11 (36)	1.410 (35.8)	1.561 (1006)	5.313 (7.907)	4.683 (10060)	4.163 (8748)	3.746 (8048)	3.406 (7186)	3.122 (6707)	2.882 (6097)	2.676 (5749)	2.498 (5295)	2.342 (5030)	2.204 (4679)	2.081 (4471)	1.873 (4024)	1.703 (3658)	1.561 (3353)

 Illinois Department of Transportation	
PASSED	January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES	
APPROVED	January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT	

DOT-11 (6/95)

DATE	REVISIONS	AREAS OF REINFORCEMENT BARS
1-1-09	Switched units to English (metric).	
1-1-07	Deleted metric table. Soft converted English table.	
		STANDARD 001001-02

DECIMAL OF AN INCH AND OF A FOOT														
A		B	A		B	A		B	A		B	A		B
	0.0052	$\frac{1}{16}$	$\frac{1}{16}$	0.171875	$2\frac{1}{16}$		0.3385	$4\frac{1}{16}$		0.5052	$6\frac{1}{16}$	$\frac{4}{16}$	0.671875	$8\frac{1}{16}$
	0.0104	$\frac{2}{16}$		0.1771	$2\frac{1}{8}$	$1\frac{1}{2}$	0.34375	$4\frac{1}{8}$	$3\frac{3}{4}$	0.5104	$6\frac{1}{8}$	$\frac{1}{2}$	0.6771	$8\frac{1}{8}$
$\frac{1}{16}$	0.015625	$\frac{3}{16}$	$\frac{1}{16}$	0.1823	$2\frac{1}{4}$		0.3490	$4\frac{1}{4}$		0.515625	$6\frac{1}{4}$	$\frac{3}{8}$	0.6823	$8\frac{1}{4}$
	0.0208	$\frac{4}{16}$	$\frac{1}{8}$	0.1875	$2\frac{1}{2}$		0.3542	$4\frac{1}{2}$		0.5208	$6\frac{1}{2}$	$\frac{1}{2}$	0.6875	$8\frac{1}{2}$
	0.0260	$\frac{5}{16}$		0.1927	$2\frac{3}{8}$	$2\frac{3}{4}$	0.359375	$4\frac{3}{8}$	$1\frac{1}{2}$	0.5260	$6\frac{3}{8}$	$\frac{5}{8}$	0.6927	$8\frac{3}{8}$
	0.03125	$\frac{6}{16}$		0.1979	$2\frac{1}{2}$		0.3646	$4\frac{1}{2}$		0.53125	$6\frac{1}{2}$	$\frac{3}{4}$	0.6979	$8\frac{1}{2}$
$\frac{1}{8}$	0.0365	$\frac{7}{16}$	$\frac{1}{8}$	0.203125	$2\frac{5}{8}$	$\frac{2}{3}$	0.3698	$4\frac{5}{8}$		0.5365	$6\frac{1}{4}$	$\frac{5}{8}$	0.703125	$8\frac{1}{4}$
	0.0417	$\frac{8}{16}$	$\frac{1}{4}$	0.2083	$2\frac{1}{2}$		0.3750	$4\frac{1}{2}$		0.5417	$6\frac{1}{2}$	$\frac{1}{2}$	0.7083	$8\frac{1}{2}$
	0.046875	$\frac{9}{16}$		0.2135	$2\frac{3}{4}$		0.3802	$4\frac{3}{4}$	$3\frac{3}{4}$	0.546875	$6\frac{3}{4}$	$\frac{3}{4}$	0.7135	$8\frac{3}{4}$
	0.0521	$\frac{10}{16}$	$\frac{1}{2}$	0.21875	$2\frac{3}{4}$		0.3854	$4\frac{3}{4}$		0.5521	$6\frac{3}{4}$	$\frac{5}{8}$	0.71875	$8\frac{3}{4}$
$\frac{1}{16}$	0.0573	$\frac{11}{16}$		0.2240	$2\frac{1}{2}$	$2\frac{1}{4}$	0.390625	$4\frac{1}{4}$	$\frac{1}{2}$	0.5573	$6\frac{1}{4}$	$\frac{3}{4}$	0.7240	$8\frac{1}{4}$
	0.0625	$\frac{12}{16}$	$\frac{3}{8}$	0.2292	$2\frac{1}{4}$		0.3958	$4\frac{1}{4}$		0.5625	$6\frac{1}{4}$	$\frac{1}{2}$	0.7292	$8\frac{1}{4}$
	0.0677	$\frac{13}{16}$		0.234375	$2\frac{1}{4}$	$1\frac{3}{4}$	0.4010	$4\frac{1}{4}$	$3\frac{3}{4}$	0.5677	$6\frac{1}{4}$	$\frac{5}{8}$	0.734375	$8\frac{1}{4}$
	0.0729	$\frac{14}{16}$	$\frac{1}{4}$	0.2396	$2\frac{1}{4}$		0.40625	$4\frac{1}{4}$		0.5729	$6\frac{1}{4}$	$\frac{3}{4}$	0.7396	$8\frac{1}{4}$
$\frac{1}{8}$	0.078125	$\frac{15}{16}$		0.2448	$2\frac{1}{2}$	$1\frac{3}{4}$	0.4115	$4\frac{1}{4}$	$3\frac{3}{4}$	0.578125	$6\frac{1}{4}$	$\frac{5}{8}$	0.7448	$8\frac{1}{4}$
	0.0833	1	$\frac{1}{4}$	0.2500	3		0.4167	5		0.5833	7	$\frac{3}{4}$	0.7500	9
	0.0885	$1\frac{1}{16}$		0.2552	$3\frac{1}{16}$	$2\frac{1}{4}$	0.421875	$5\frac{1}{16}$	$1\frac{1}{2}$	0.5885	$7\frac{1}{16}$	$\frac{3}{8}$	0.7552	$9\frac{1}{16}$
$\frac{1}{8}$	0.09375	$1\frac{2}{16}$		0.2604	$3\frac{1}{8}$		0.4271	$5\frac{1}{8}$		0.59375	$7\frac{1}{8}$	$\frac{1}{2}$	0.7604	$9\frac{1}{8}$
	0.0990	$1\frac{3}{16}$	$\frac{1}{8}$	0.265625	$3\frac{1}{8}$	$\frac{1}{10}$	0.4323	$5\frac{1}{10}$		0.5990	$7\frac{1}{10}$	$\frac{3}{10}$	0.765625	$9\frac{1}{10}$
	0.1042	$1\frac{4}{16}$		0.2708	$3\frac{1}{4}$		0.4375	$5\frac{1}{4}$		0.6042	$7\frac{1}{4}$	$\frac{1}{4}$	0.7708	$9\frac{1}{4}$
$\frac{1}{16}$	0.109375	$1\frac{5}{16}$		0.2760	$3\frac{1}{8}$		0.4427	$5\frac{1}{8}$	$3\frac{3}{4}$	0.609375	$7\frac{1}{8}$	$\frac{3}{8}$	0.7760	$9\frac{1}{8}$
	0.1146	$1\frac{6}{16}$	$\frac{1}{4}$	0.28125	$3\frac{1}{4}$		0.4479	$5\frac{1}{4}$		0.6146	$7\frac{1}{4}$	$\frac{1}{2}$	0.78125	$9\frac{1}{4}$
	0.1198	$1\frac{7}{16}$		0.2865	$3\frac{1}{8}$	$2\frac{3}{4}$	0.453125	$5\frac{1}{8}$		0.6198	$7\frac{1}{8}$	$\frac{5}{8}$	0.7865	$9\frac{1}{8}$
$\frac{1}{8}$	0.1250	$1\frac{8}{16}$	$\frac{3}{8}$	0.2917	$3\frac{1}{2}$		0.4583	$5\frac{1}{2}$	$\frac{1}{2}$	0.6250	$7\frac{1}{2}$	$\frac{1}{2}$	0.7917	$9\frac{1}{2}$
	0.1302	$1\frac{9}{16}$		0.296875	$3\frac{1}{8}$		0.4635	$5\frac{1}{8}$		0.6302	$7\frac{1}{8}$	$\frac{3}{8}$	0.796875	$9\frac{1}{8}$
	0.1354	$1\frac{10}{16}$	$\frac{1}{2}$	0.3021	$3\frac{1}{4}$	$1\frac{1}{2}$	0.46875	$5\frac{1}{4}$	$4\frac{1}{4}$	0.6354	$7\frac{1}{4}$	$\frac{5}{8}$	0.8021	$9\frac{1}{4}$
$\frac{1}{16}$	0.140625	$1\frac{11}{16}$		0.3073	$3\frac{1}{8}$		0.4740	$5\frac{1}{8}$		0.640625	$7\frac{1}{8}$	$\frac{3}{8}$	0.8073	$9\frac{1}{8}$
	0.1458	$1\frac{12}{16}$	$\frac{3}{8}$	0.3125	$3\frac{1}{4}$		0.4792	$5\frac{1}{4}$		0.6458	$7\frac{1}{4}$	$\frac{1}{2}$	0.8125	$9\frac{1}{4}$
	0.1510	$1\frac{13}{16}$		0.3177	$3\frac{1}{8}$	$2\frac{3}{4}$	0.484375	$5\frac{1}{8}$		0.6510	$7\frac{1}{8}$	$\frac{5}{8}$	0.8177	$9\frac{1}{8}$
$\frac{1}{8}$	0.15625	$1\frac{14}{16}$		0.3229	$3\frac{1}{4}$		0.4896	$5\frac{1}{4}$	$2\frac{1}{2}$	0.65625	$7\frac{1}{4}$	$\frac{3}{4}$	0.8229	$9\frac{1}{4}$
	0.1615	$1\frac{15}{16}$	$\frac{1}{4}$	0.328125	$3\frac{1}{2}$		0.4948	$5\frac{1}{2}$		0.6615	$7\frac{1}{2}$	$\frac{1}{2}$	0.828125	$9\frac{1}{2}$
	0.1667	2	$\frac{1}{2}$	0.3333	4		0.5000	6		0.6667	8	1	0.8333	10
														11
														12

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

Illinois Department of Transportation

PASSED January 1, 1997

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 1997

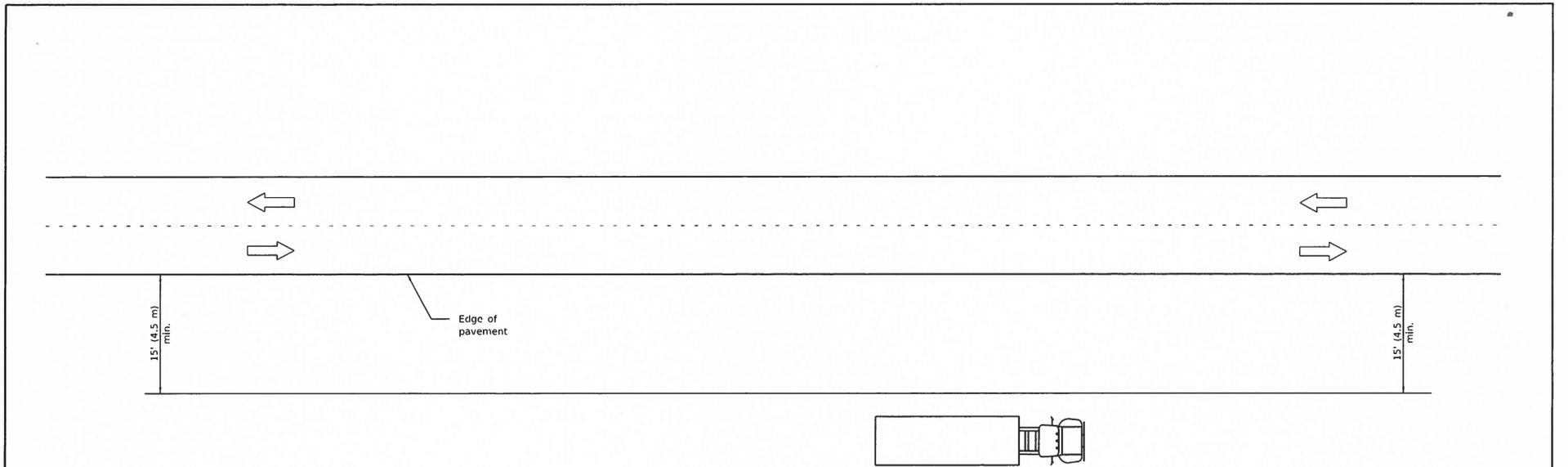
ENGINEER OF DESIGN AND ENVIRONMENT

1-1-97

DATE	REVISIONS
1-1-97	New Standard.

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

STANDARD 001006



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

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

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Revised title and notes.

**OFF-RD OPERATIONS,
2L, 2W, MORE THAN
15' (4.5 m) AWAY**

STANDARD 701001-02

Illinois Department of Transportation

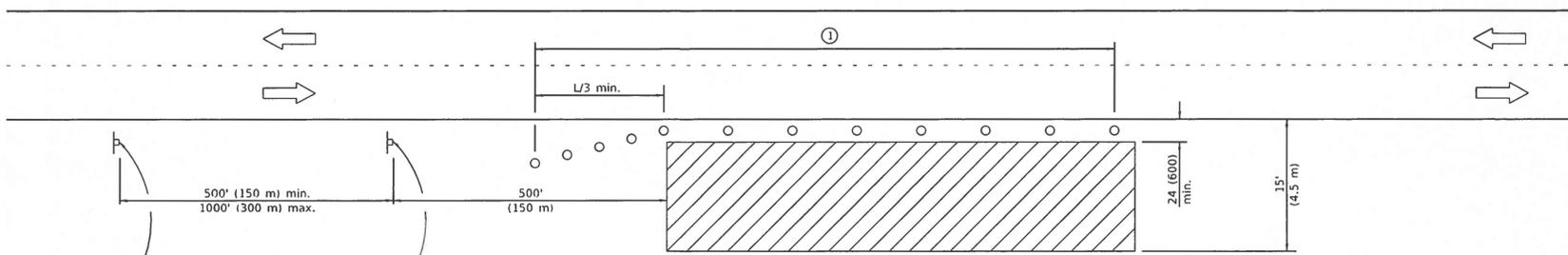
PASSED: January 1, 2009

ENGINEER OF OPERATIONS: *[Signature]*

APPROVED: January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT: *[Signature]*

SCALE: 1/4" = 1'-0"



For contract construction projects

 ROAD CONSTRUCTION AHEAD

W20-1103(0)-48

 W21-1(0)-48

For maintenance and utility projects

 ROAD WORK AHEAD

W20-1(0)-48

TYPICAL APPLICATIONS

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

SYMBOLS

-  Work area
-  Sign
-  Cone, drum or barricade

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

GENERAL NOTES

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

Calculate L as follows:

SPEED LIMIT

FORMULAS

40 mph (70 km/h) or less:

English: $L = \frac{WS^2}{60}$ Metric: $L = \frac{WS^2}{150}$

45 mph (80 km/h) or greater:

$L = (W)(S)$ $L = 0.65(W)(S)$

W = Width of offset in feet (meters).

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

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

Illinois Department of Transportation

PASSED January 1, 2014

ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014

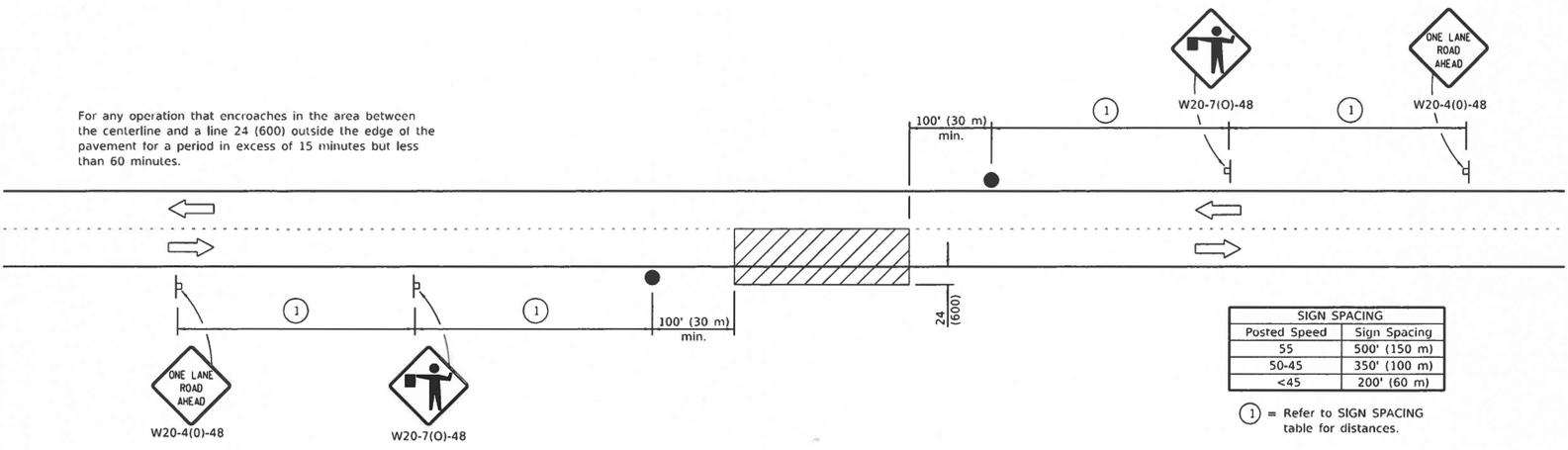
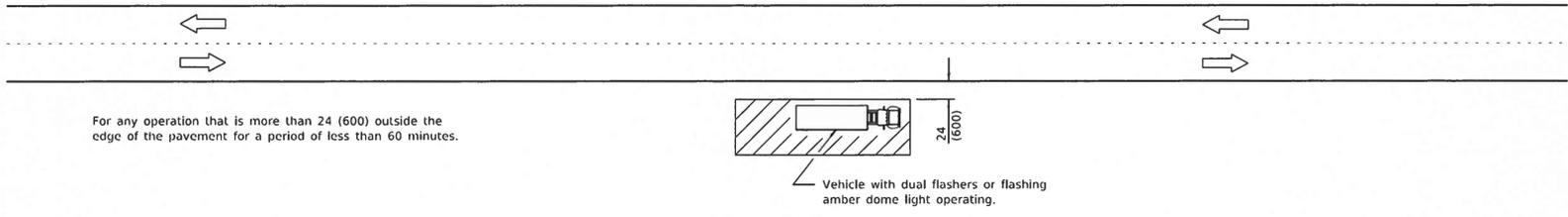
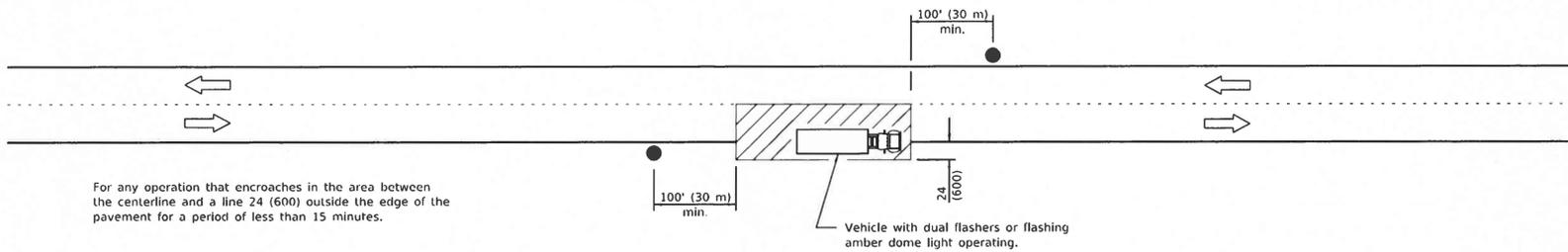
ENGINEER OF DESIGN AND ENVIRONMENT

LEFT COLUMN

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

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

STANDARD 701006-05



TYPICAL APPLICATIONS

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

SYMBOLS

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

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

Illinois Department of Transportation

PASSED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING

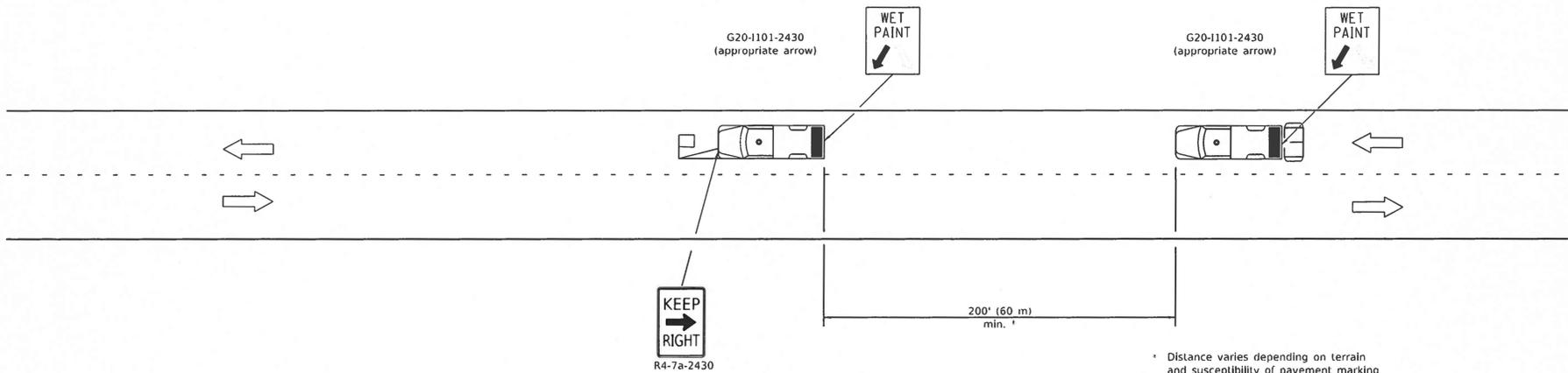
APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

48" x 11" (1219 mm x 2794 mm)

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

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

STANDARD 701301-04



* Distance varies depending on terrain and susceptibility of pavement marking or crack sealant to wheel tracking.

TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadometer measurements
- Debris cleanup
- Crack pouring

SYMBOLS

-  Arrow board (Hazard Mode only)
-  Truck with headlights, emergency flashers and flashing amber light. (visible from all directions)
-  18x18 (450x450) min. orange flag (use when guide wheel is used)
-  Truck mounted attenuator

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

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

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass With Care sign.
1-1-00	Elim. speed restrictions in Standard title.

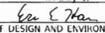
LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY

STANDARD 701311-03

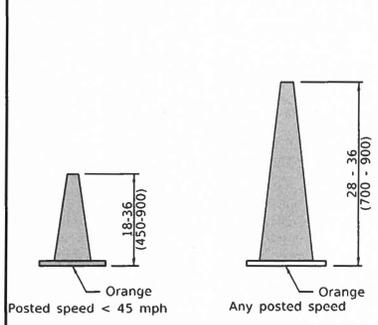
Illinois Department of Transportation

PASSED January 1, 2009

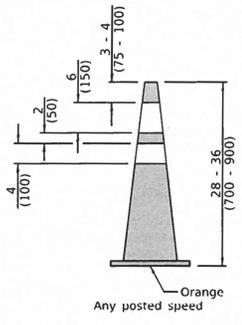
 ENGINEER OF OPERATIONS

APPROVED January 1, 2009

 ENGINEER OF DESIGN AND ENVIRONMENT

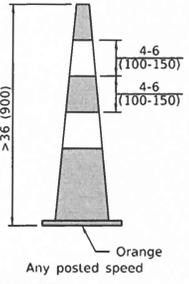
SAVED 1-1-09



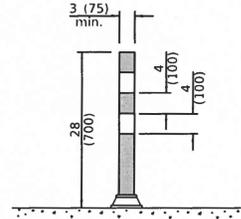
DAYTIME USE



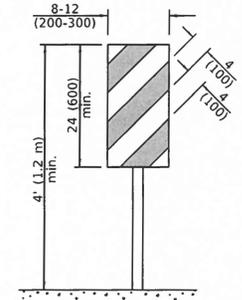
DAY OR NIGHTTIME USE



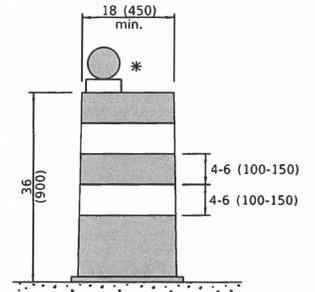
CONES



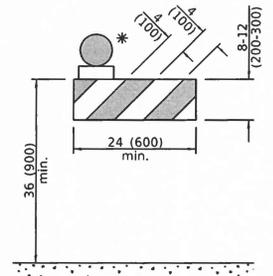
TUBULAR MARKER



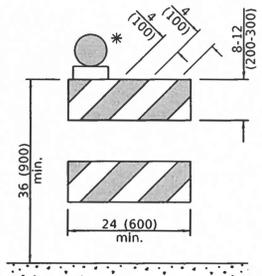
**VERTICAL PANEL
POST MOUNTED**



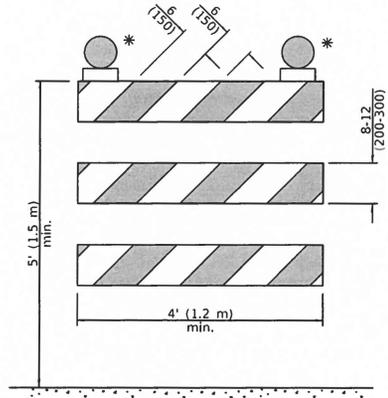
DRUM



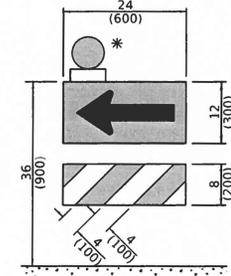
TYPE I BARRICADE



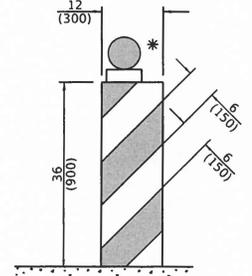
TYPE II BARRICADE



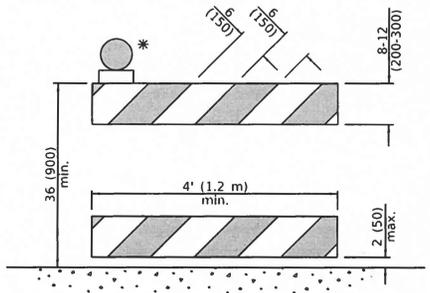
TYPE III BARRICADE



**DIRECTION INDICATOR
BARRICADE**



VERTICAL BARRICADE



**DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE**

* Warning lights (if required)

GENERAL NOTES

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

Illinois Department of Transportation

APPROVED January 1, 2019

 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019

 ENGINEER OF DESIGN AND ENVIRONMENT

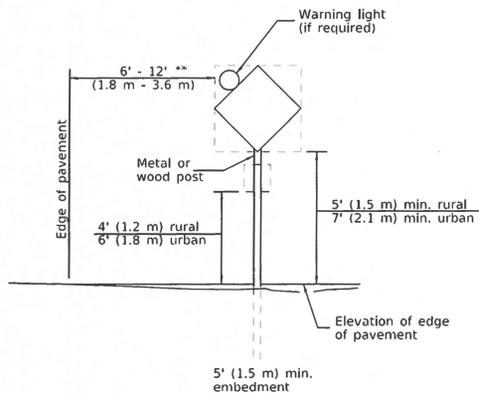
EIT-CR 00050

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

TRAFFIC CONTROL DEVICES

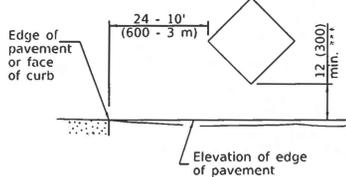
(Sheet 1 of 3)

STANDARD 701901-08



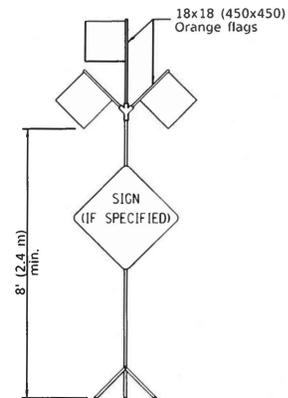
POST MOUNTED SIGNS

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



SIGNS ON TEMPORARY SUPPORTS

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



HIGH LEVEL WARNING DEVICE

ROAD
CONSTRUCTION
NEXT X MILES
G20-1104(0)-6036

END
CONSTRUCTION
G20-1105(0)-6024

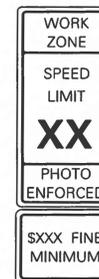
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

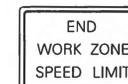
Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-1115(0)-3618
R2-1-3648
R10-1108p-3618 ****
R2-1106p-3618

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



G20-1103-6036

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

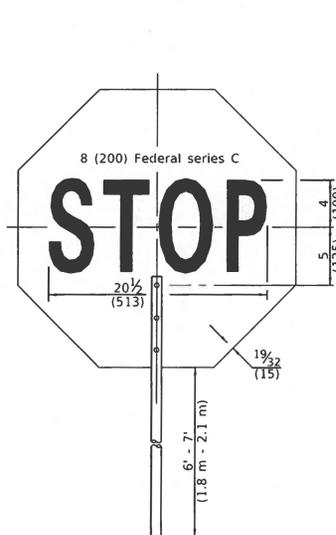
**** R10-1108p shall only be used along roadways under the jurisdiction of the State.



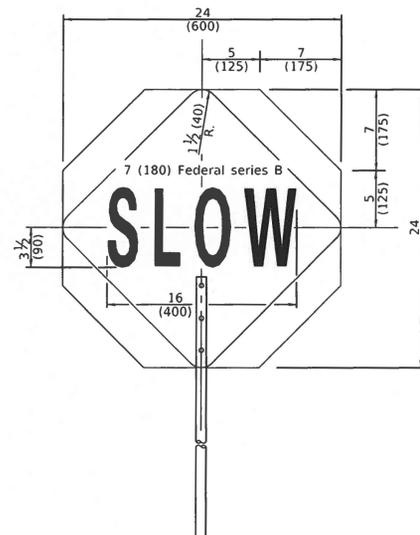
W12-1103-4848

WIDTH RESTRICTION SIGN

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



FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

APPROVED January 1, 2019
[Signature]
 ENGINEER OF SAFETY PROG. AND ENGINEERING

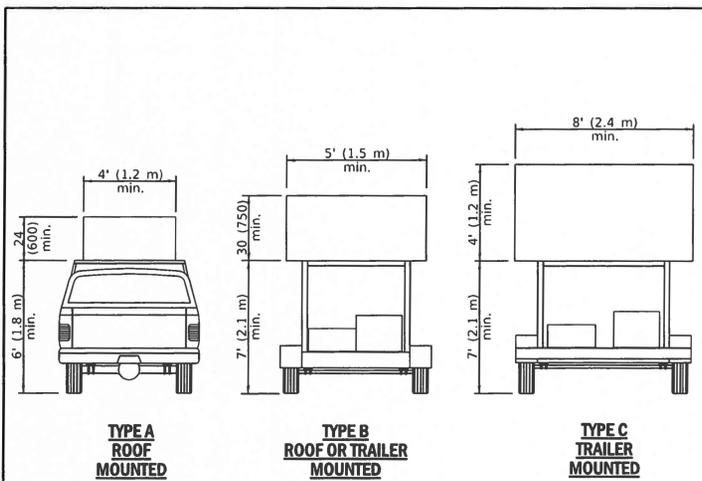
APPROVED January 1, 2019
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ET-11 CROSS

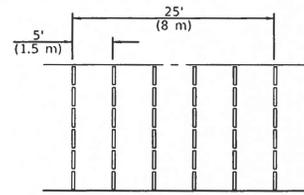
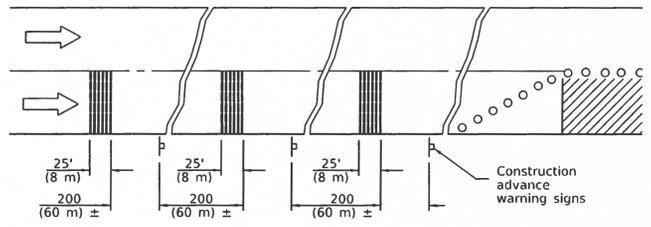
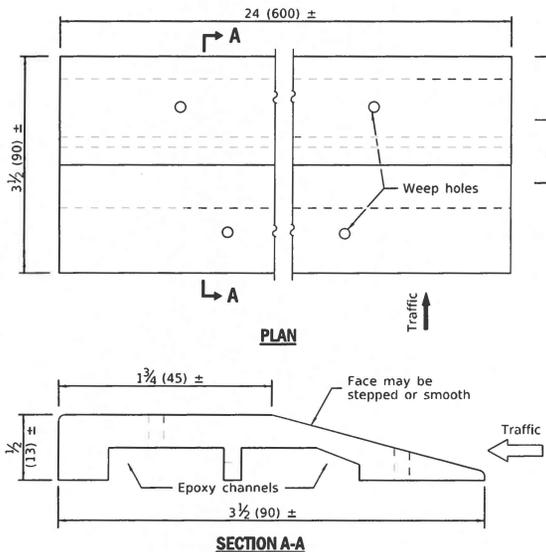
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08

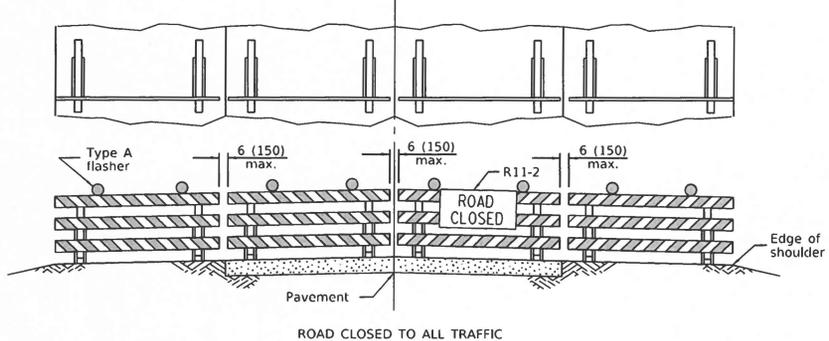


ARROW BOARDS

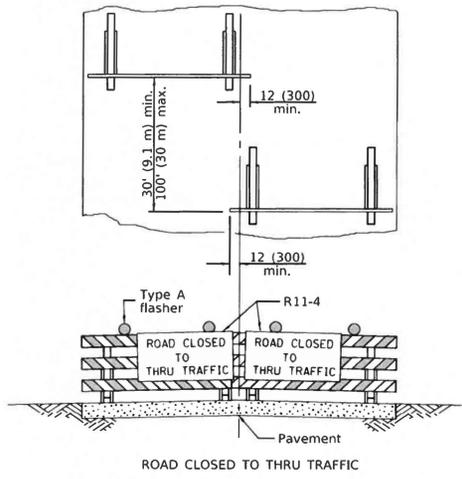


TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



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

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

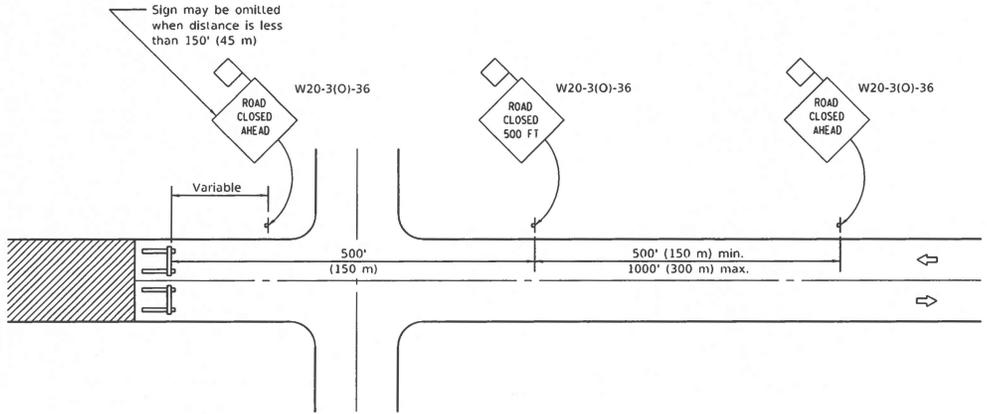
(Sheet 3 of 3)

Illinois Department of Transportation

APPROVED January 1, 2019
Lyndon White
 ENGINEER OF SAFETY PROC. AND ENGINEERING

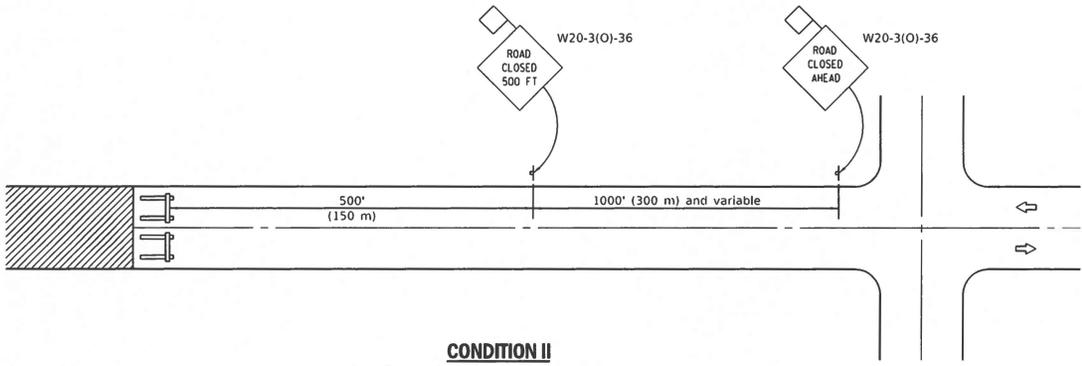
APPROVED January 1, 2019
Scott Egan
 ENGINEER OF DESIGN AND ENVIRONMENT

61-111 (6/8/05)



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) min. orange flag attached

GENERAL NOTES

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

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

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

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

Longitudinal dimensions may be adjusted to fit field conditions.

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

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

Illinois Department of Transportation

PASSED: January 1, 2012
Amel Zengin
 ENGINEER OF LOCAL ROADS AND STREETS

APPROVED: January 1, 2012
Scott Smith
 ENGINEER OF DESIGN AND ENVIRONMENT

11-117

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

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

STANDARD B.L.R. 21-9



County	Section Number	Route
Champaign County Highway Department	22-00121-00-BR	C.H. 6

Funding Source: Motor Fuel Tax Township Bridge Other State Funds Local Funds

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 checked="" type="checkbox"/>	<input type="checkbox"/>	
4 Historic Preservation/Cultural Compliance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5 Threatened and Endangered Species/Natural Areas Compliance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6 Farmland Conversion Impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7 Special Waste Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8 Other <input type="text"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
5 Preliminary Bridge Design and Hydraulic Report (PBDHR)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6 Bridge Asbestos Determination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	

RIGHT-OF-WAY

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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PERMITS

1 NPDES <input type="checkbox"/> ILR10 Permit # <input type="text"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> ILR40 Permit # <input type="text"/>			
2 Section 404 (USACE) <input type="text"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 <input type="text"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

The above information is certified to be true and correct.

Prepared By	Date
Keith Brandau, PE, SE	04/06/22
Title	
Structural Department Head	

Local Public Agency Approval	Date
<input type="text"/>	<input type="text"/>