



Windsor Road Resurfacing

Section 21-00637-00-RS

April 18, 2022

City of Urbana

Department of Public Works

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**SECTION A**

IDOT Proposal Forms



COVER SHEET

Proposal Submitted By:

Contractor's Name

[Empty box for Contractor's Name]

Contractor's Address

City

State

Zip Code

[Empty box for Contractor's Address]

[Empty box for City]

[Empty box for State]

[Empty box for Zip Code]

STATE OF ILLINOIS

Local Public Agency

County

Section Number

City of Urbana

Champaign

21-00637-00-RS

Route(s) (Street/Road Name)

Type of Funds

Windsor Road

MFT

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

[Empty box for Highway Commissioner Signature]

[Empty box for Date]

Submitted/Approved

County Engineer/Superintendent of Highways

Date

[Empty box for County Engineer/Superintendent of Highways]

[Empty box for Date]

For a Municipal Project

Submitted/Approved/Passed

Signature

Date

*Alan C. Jones*

4/8/22

Official Title

City Engineer

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature

Date

*James A. James*

042222

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)
City of Urbana	Champaign	21-00637-00-RS	Windsor Road

### NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of the City of Urbana Public Works Department  
Name of Office  
706 South Glover Avenue, Urbana, IL 61802 until 2:00 PM on 05/13/22  
Address Time Date

Sealed proposals will be opened and read publicly at the office of the City of Urbana Public Works Department  
Name of Office  
706 South Glover Avenue, Urbana, IL 61802 at 2:00 PM on 05/13/22  
Address Time Date

### DESCRIPTION OF WORK

Location	Project Length
Windsor Rd from approximately 80 feet west of Wright St to 360 feet west of Race St	0.94 miles

Proposed Improvement  
 The proposed improvements will include milling and resurfacing of Windsor Road, new aggregate wedge shoulders, detector loop replacement.

1. Plans and proposal forms will be available in the office of  
Register online at the City of Urbana website: [https://urbanaininois.us/Solicitation\\_2122-51](https://urbanaininois.us/Solicitation_2122-51) to receive bid documents

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)
City of Urbana	Champaign	21-00637-00-RS	Windsor Road

**PROPOSAL**

1. Proposal of \_\_\_\_\_ Contractor's Name \_\_\_\_\_

Contractor's Address \_\_\_\_\_

2. The plans for the proposed work are those prepared by Fuhrmann Engineering, Inc.  
and approved by the Department of Transportation on 4/22/22.

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 \_\_\_\_\_ working days or by 10/07/22 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 City of Urbana.

The amount of the check is \_\_\_\_\_ ( \_\_\_\_\_ ).

**Attach Cashier's Check or Certified Check Here**

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

The proposal guaranty check will be found in the bid proposal for: Section Number \_\_\_\_\_ .

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Urbana	Champaign	21-00637-00-RS	Windsor Road

## CONTRACTOR CERTIFICATIONS

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

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

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

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

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter 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)
City of Urbana	Champaign	21-00637-00-RS	Windsor Road

**SIGNATURES**

(If an individual)

Signature of Bidder	Date

Business Address

City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

(If a partnership)

Firm Name

Signature	Date

Title

Business Address

City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert the Names and Addresses of all Partners

(If a corporation)

Corporate Name

Signature	Date

Title

Business Address

City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert Names of Officers

President



Attest:

Secretary

Secretary

Treasurer



## Schedule of Prices



Contractor's Name

Contractor's Address

City

State

Zip Code

Local Public Agency

County

Section Number

Route(s) (Street/Road Name)

### Schedule for Multiple Bids

Combination Letter	Section Included in Combinations	Total

### Schedule for Single Bid

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

Item Number	Items	Unit	Quantity	Unit Price	Total
40200800	AGG SURF CSE B	TON	26		
40600290	BIT MATLS TACK CT	POUND	18771		
40600370	LONG JOINT SEALANT	FOOT	26561		
40600400	MIX CR JTS FLANGWYS	TON	12.5		
40600990	TEMPORARY RAMP	SQ YD	299		
40604162	P HMA SC IL-9.5 D N70	TON	5840		
44000159	HMA SURF REM 2 1/2	SQ YD	41712		
48102100	AGG WEDGE SHLD TYPE B	TON	232		
64200116	SHOULDER RUM STRIP 16	FOOT	9735		
67100100	MOBILIZATION	L SUM	1		
70300100	SHORT TERM PAVT MKING	FOOT	6591		
70300150	SHRT TRM PAVT MK REM	SQ FT	17893		
70306100	TMP PVT MK L&S T3 TAPE	SQ FT	313		
70306120	TMP PVT MK L4 T3 TAPE	FOOT	14682		
70306130	TMP PVT MK L6 T3 TAPE	FOOT	19827		
70306160	TMP PVT MK L12 T3 TAPE	FOOT	524		
70306210	TMP PVT MK L24 T3 TAPE	FOOT	61		
78000100	THPL PVT MK LTR & SYM	SQ FT	313		
78000200	THPL PVT MK LINE 4	FOOT	14682		
78000400	THPL PVT MK LINE 6	FOOT	19827		

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
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Item Number	Items	Unit	Quantity	Unit Price	Total
78000600	THPL PVT MK LINE 12	FOOT	524		
78000650	THPL PVT MK LINE 24	FOOT	61		
78100100	RAISED REFL PAVT MKR	EACH	295		
78300200	RAISED REFL PVT MK REM	EACH	295		
88600600	DET LOOP REPL	FOOT	428		
X6026628	VALVE BOX REPLACED	EACH	3		
X7010216	TRAF CONT & PROT SPL	L SUM	1		
Bidder's Total Proposal					

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



Local Public Agency
Proposal Bid Bond



Local Public Agency: City of Urbana
County: Champaign
Section Number: 21-00637-00-RS

WE, \_\_\_\_\_ as PRINCIPAL, and \_\_\_\_\_ as SURETY, are held jointly, severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this \_\_\_\_\_ of \_\_\_\_\_ Day Month and Year

Principal signature block: Company Name, Signature, Date, Title

Principal signature block: Company Name, Signature, Date, Title

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

Surety signature block: Name of Surety

Surety signature block: Signature of Attorney-in-Fact, Date

STATE OF IL
COUNTY OF

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

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

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

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

(SEAL)

Notary Public Signature

Date commission expires \_\_\_\_\_

Local Public Agency

County

Section Number

City of Urbana

Champaign

21-00637-00-RS

ELECTRONIC BID BOND

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

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

Electronic Bid Bond ID Code

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Company/Bidder Name

--

Signature

--

Date

--

Title

--



**Part III. Work Subcontracted to Others.**

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

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>					

**Notary**

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

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
(Signature of Notary Public)

My commission expires \_\_\_\_\_

(Notary Seal)

Add pages for additional contracts





**Part III. Work Subcontracted to Others.**

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

	2	3	4	Awards Pending	1
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>					

**Notary**

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

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
(Signature of Notary Public)

My commission expires \_\_\_\_\_

(Notary Seal)

Add pages for additional contracts



**Affidavit of Availability**  
For the Letting of 05/13/22

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

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

**Part I. Work Under Contract**

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

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

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

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

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

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

**Part III. Work Subcontracted to Others.**

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

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>					

**Notary**

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

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
(Signature of Notary Public)

My commission expires \_\_\_\_\_

(Notary Seal)

Add pages for additional contracts



**Affidavit of Availability**  
For the Letting of 05/13/22

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

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

**Part I. Work Under Contract**

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

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

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

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

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

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

**Part III. Work Subcontracted to Others.**

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

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

**Notary**

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

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
(Signature of Notary Public)

My commission expires \_\_\_\_\_

(Notary Seal)

Add pages for additional contracts



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

### Affidavit of Availability

For the Letting of 05/13/22

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

#### Part I. Work Under Contract

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

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

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

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

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

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

**Part III. Work Subcontracted to Others.**

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

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

**Notary**

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

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me  
this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
(Signature of Notary Public)

My commission expires \_\_\_\_\_

(Notary Seal)



# Apprenticeship and Training Program Certification



Local Public Agency	County	Street Name/Road Name	Section Number
City of Urbana	Champaign	Windsor Road	21-00637-00-RS

**All contractors are required to complete the following certification**

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

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

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

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

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

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





Affidavit of Illinois Business Office



Local Public Agency	County	Street Name/Road Name	Section Number
City of Urbana	Champaign	Windsor Road	21-00637-00-RS

I, \_\_\_\_\_ of \_\_\_\_\_, \_\_\_\_\_,  
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

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

Signature	Date
Print Name of Affiant	

Notary Public

State of IL  
 County \_\_\_\_\_

Signed (or subscribed or attested) before me on \_\_\_\_\_ by  
(date)

\_\_\_\_\_, authorized agent(s) of  
(name/s of person/s)  
 \_\_\_\_\_  
Bidder

(SEAL)

Signature of Notary Public

My commission expires \_\_\_\_\_

**SECTION B**

City of Urbana Proposal Forms

**CITY OF URBANA**  
**CERTIFICATION FORMS**

**The Notice of Award cannot be issued until the Contractor's equal opportunity compliance and certification forms have been approved by Urbana's Human Relations Commission. Contractors are encouraged to pre-qualify with the City prior to the bid opening to expedite issuance of the Notice of Award.**

Consultants can check to see if they are Equal Employment Opportunity (EEO) qualified with the City by contacting the City Human Relations Office at [HRO@urbanaininois.us](mailto:HRO@urbanaininois.us) or (217)384-8455.

The following Urbana Certification Forms should be completed and submitted to the City of Urbana as soon as possible by Consultants that are not EEO qualified:

- (1) Vendor Representations and Additional Duties Form
- (2) Equal Employment Opportunity (E.E.O.) Workforce Statistics Form

The forms can be mailed to:

City of Urbana  
Attn: Human Relations Office  
400 South Vine Street  
Urbana, IL 61802  
217-384-2466 – Phone  
[HRO@urbanaininois.us](mailto:HRO@urbanaininois.us)

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## VENDOR REPRESENTATIONS AND ADDITIONAL DUTIES

The Vendor agrees that following representations and additional duties are a material part of the contract. The undersigned, having been duly sworn under oath, certifies and agrees as follows:

1. None of the Vendor or its partners, officers, owners, employees, or agents have been barred from contracting with a unit of State or local government in the past five years as a result of a conviction for bid rigging, in violation of 720 ILCS 5/33E-3 or any similar offense of any state or the United States which contains the same elements as this offense. 720 ILCS 5/33E-11.
2. None of the Vendor or its partners, officers, owners, employees, or agents have ever been barred from contracting with a unit of State or local government as a result of a conviction for bid rotating, in violation of 720 ILCS 5/33E-4 or any similar offense of any state or the United States which contains the same elements as this offense. 720 ILCS 5/33E-11.
3. If the Vendor holds any elected or appointed office under the laws or Constitution of this State, the Vendor is in compliance with the Public Officer Prohibited Activities Act. 50 ILCS 105/3.
4. The Vendor is not a municipal officer with a prohibited financial interest in this contract, directly in the officer's own name or indirectly in the name of any other person, association, trust, or corporation, in accordance with 65 ILCS 5/3.1-55-10.
5. *Please initial one statement, in accordance with 65 ILCS 5/11-42.1-1:*
  - A. \_\_\_\_\_ The Vendor is not delinquent in the payment of any tax administered by the Department of Revenue unless the Vendor is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax.
  - B. \_\_\_\_\_ The Vendor has entered into an agreement with the Department of Revenue for the payment of all such taxes that are due and is in compliance with the agreement.
6. If the Vendor employs commercial motor vehicle operators, the Vendor is in compliance with the Federal Highway Administration rules for controlled substances and alcohol use and testing. 49 CFR Parts 40 and 382.
7. During the term of this contract, the Vendor shall comply with (a) Urbana City Code Section 2-119, which prohibits employment discrimination by contractors and vendors with the City; (B) the Equal Employment Opportunity provisions of Ill. Admin. Code tit. 44, § 750; and (C) Article 2 of the Illinois Human Rights Act, 775 ILCS 5/2-101 *et seq.*, including without limitation the requirement that the Vendor have a written sexual harassment policy in conformance with 775 ILCS 5/2-105.
8. If this contract involves the construction, reconstruction, alteration, repair, improvement, or maintenance of public works, the Vendor has filed with the City and made available to the general public a copy of the Vendor's written substance abuse prevention program, which meets or exceeds the requirements of 820 ILCS 265/15.



## VENDOR REPRESENTATIONS AND ADDITIONAL DUTIES

9. If this contract involves the construction, reconstruction, alteration, repair, improvement, or maintenance of public works, the Vendor shall use United States produced steel products, in compliance with 30 ILCS 565/4.

10. If this contract involves the construction, addition to, or alteration of public works, the Vendor shall employ laborers in compliance with the Veterans Preference Act (330 ILCS 55/0.01 *et seq.*) and the Employment of Illinois Workers on Public Works Act (30 ILCS 570/0.01 *et seq.*).

11. The Vendor shall comply with all applicable provisions of the Prevailing Wage Act, which requires the payment of the prevailing rate of wage to all laborers, workers, and mechanics employed by or on behalf of a public body in the construction, demolition, maintenance, or repair of public works. 820 ILCS 130/0.01 *et seq.* The prevailing wage rates are established and revised by the Department of Labor and are available at [www.state.il.us/agency/idol/rates/rates.htm](http://www.state.il.us/agency/idol/rates/rates.htm).

12. The Vendor shall obtain from all subcontractors to be used in the performance of this contract a sworn statement agreeing to the representations and additional duties contained on this document. The Vendor shall maintain the sworn statements on file for the duration of this contract and shall promptly provide them to the City upon request. If a subcontractor is or becomes ineligible for a contract with the City, the Vendor promptly shall terminate its subcontract upon the City's request. The Vendor shall include adequate provisions in all subcontracts to allow it to terminate such subcontracts as required herein.

The representations contained on this document are true, complete, and correct in all respects. The representations contained herein are continuing. If any such representation is no longer true or correct, the Vendor promptly shall notify the City in writing.

Vendor: \_\_\_\_\_

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

Printed name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_

Signed and sworn (or affirmed) to before me on \_\_\_\_\_ (date)

by \_\_\_\_\_ (name of person making statement).

(seal)

\_\_\_\_\_  
Signature of notary public

<p align="center"><b>CITY OF URBANA HUMAN  RELATIONS DIVISION  400 SOUTH VINE ST.  URBANA, ILLINOIS 61801  (217) 384-2455 (phone); 328-8288 (fax)  hro@urbanaindinois.us</b></p>	<b>Office Use Only (09/15)</b>	
	<b>Requested by:</b>	<b>Date:</b>
	<b>Approved by:</b>	<b>Date:</b>
	<b>Certification  Date:</b>	
	<b>Certificate Expiration Date:</b>	
<b>EQUAL EMPLOYMENT OPPORTUNITY (E.E.O.) WORKFORCE STATISTICS FORM</b>		
<p>Please complete the sections below as instructed. Failure to properly complete this form may result in a delay or denial of eligibility to bid or do business with the City of Urbana.</p>		
<b>Section I. Identification</b>		
<b>1. Company Name and Address:</b>		
Name:		
d/b/a:		
Address:		
City/State/Zip:		
Telephone Number(s) include area code:		
Check one of the following		
Corporation	<input type="checkbox"/>	Partnership
Individual Proprietorship	<input type="checkbox"/>	Limited Liability Corp.
FEI Number:	Social Security Number:	
<b>2. Name and Address of the Company's Principal Office (answer only if not the same as above)</b>		
Name:		
Address:		
City/State/Zip		
<b>3. Major activity of your company (product or service):</b>		
<b>4. Project on which your company is bidding:</b>		
<b>5. City of Urbana contact staff assigned to contract:</b>		

## SECTION II. Policies and Practices

Description of EEO Policies and Practices		YES	NO
A.	Is it the Company's policy to recruit, hire, train, upgrade, promote and discipline persons without regard to race, color, creed, class, national origin, religion, sex, age, marital status, mental and/or physical disability, personal appearance, sexual preference, family responsibilities, matriculation, political affiliation, prior arrest, conviction record, or source of income ?		
B.	Has someone been assigned to develop procedures, which will assure that the EEO policy is implemented and enforced by managerial, administrative, and supervisory personnel? If so, please indicate <u>the name and title of the official charged with this responsibility.</u> Name: _____ Title: _____ Telephone: _____ Email: _____		
C.	Does the company have a written Equal Employment Opportunity plan or statement? Note: If no, a copy of an E.E.O statement is enclosed. <b>You must attach an EEO Statement in order to be considered eligible to do business with the City of Urbana. Questions? (217) 384-2455 or hro@city.urbana.il.us.</b>		
D.	Has the company developed a written policy statement prohibiting Sexual Harassment? <b>You must attach a copy of your company's Sexual Harassment Policy in order to be considered eligible to do business with the City of Urbana.</b>		
E.	Have all recruitment sources been notified that the company will consider all qualified applicants without regard to race, color, creed, class, national origin, religion, sex, age, marital status, mental and/or physical disability, personal appearance, sexual orientation, family responsibilities, matriculation, political affiliation, prior arrest, conviction record, or source of income?		
F.	If advertising is used, does it specify that all qualified applicants will be considered for employment without regard to race, color, creed, class, national origin, religion, sex, age, marital status, mental and/or physical disability, personal appearance, sexual orientation, family responsibilities, matriculation, political affiliation, prior arrest, conviction record, or source of income?		
G.	Has the contractor notified all of its sub-contractors of their obligations to comply with the Equal Opportunity requirements either in writing, by inclusion in subcontracts or purchase orders?		
H.	Is the company a state certified minority/women owned business? If yes, please attach a copy of state certification.		
I.	Does the company have collective bargaining agreements with labor organizations?		
J.	If you answered yes to Question "I", have the labor organizations been notified of the company's responsibility to comply with the Equal Employment Opportunity requirements in all contracts with the City of Urbana?		
K.	Does your company perform construction, rehabilitation, alteration, conversion, demolition or repair of buildings, highways or other improvements to real property? <b>(If yes, please complete Table B.)</b>		
L.	Are you currently seeking to renew an existing or expired Urbana EEO certification? <b>(If yes, you need to complete Table C.)</b>		



## SECTION III. Employment Information

**IMPORTANT:** Please complete the company workforce analysis on the bottom of this page. Use the number of employees as of the most recent payroll period. **You must complete this form in its entirety, as instructed and submit your organization's (1) EEO Statement and (2) Sexual Harassment Policy in order to be eligible to do business with the City of Urbana. For detailed descriptions of the Job Classifications see attached descriptions.** If minorities and females are currently under-represented in your workforce, please attach a copy of an explanation of your plan to recruit and hire qualified minorities and females.

**TABLE A – TOTAL CONTRACTOR/VENDOR WORKFORCE**

Job Categories	Overall Totals		White (Not of Hispanic Origin)		Black or African-American (Not of Hispanic Origin)		Hispanic or Latino		Asian or Pacific Islander		American Indian or Alaskan Native	
	M	F	M	F	M	F	M	F	M	F	M	F
Officials & Mgrs												
Professionals												
Technicians												
Sales Workers												
Office & Clerical												
Craft Workers (Skilled)												
Operatives (Semi-Skilled)												
Laborers (Unskilled)												
Service Workers												
<b>TOTAL</b>												
M = MALE, Column B is sum of Rows D, F, H, J and L. F = FEMALE, Column C is sum of Rows E, G, I, K and M.												
<b>Date of above Data:</b> _____												



## SECTION IV. Certification

By signing below, the company certifies that it has answered all of the foregoing questions truthfully to the best of its knowledge and belief and agrees that it/he/she will comply and abide by the City of Urbana's Code of Ordinances (Section 2-119).

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
E-mail Address

\_\_\_\_\_  
Date

## SECTION V. Verification

**Prior to submitting this form, please check the answers to the following questions to verify your completion of this form:**

1. Did you fill in all of the appropriate boxes in the table in Section III, including the "TOTAL" row?

YES \_\_\_\_\_ NO \_\_\_\_\_

2. Have you enclosed your company's EEO statement?

YES \_\_\_\_\_ NO \_\_\_\_\_

3. Have you enclosed your company's Sexual Harassment policy?

YES \_\_\_\_\_ NO \_\_\_\_\_

# DEFINITIONS OF TERMS LISTED ON THE WORKFORCE STATISTICS FORM

(See previous Page)

## DESCRIPTION OF RACE/ETHNIC CATEGORIES

Race /ethnic designations as used by the Department do not denote scientific definitions of anthropological origins. For the purposes of this report, an employee may be included in the group to which he or she appears to belong, identifies with, or is regarded in the community as belonging. However, no person should be counted in more than one race/ethnic group. The race/ethnic categories for this report are:

**White (Not of Hispanic origin).** All persons having origins in any of the original peoples of Europe, North Africa or the Middle East.

**Black of African-American (Not of Hispanic origin).** All persons having origins in any of the Black racial groups of Africa.

**Hispanic or Latino.** All persons of Mexican, Puerto Rican, Cuban, Central of South American, or other Spanish culture or origin, regardless of race.

**Asian or Pacific Islander.** All persons having origins any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands. This area includes, for example, China, India, Japan, Korea, the Philippine Islands and Samoa.

**American Indian or Alaskan Native.** All persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.

## DESCRIPTION OF JOB CATEGORIES

Each employee should be counted in only one job category. Select the category containing the jobs most similar to that performed by the employee. The jobs listed in each category are intended to provide an example, not a complete list, of all job titles falling into that category.

**Officials and managers.** Occupations requiring administrative and managerial personnel who set broad policies, exercise overall responsibility for execution of these policies, and direct individual departments or special phases of firm's operations. Includes: officials, executives, middle management, plant managers, department managers, and superintendents, salaried supervisors who are members of management, purchasing agents and buyers, railroad conductors and yard masters, ship captains, mates and other officers farm operators and managers, and kindred workers.

**Professionals.** Occupations requiring either college graduation or experience of such kind and amount as to provide a comparable background. Includes: accountants and auditors, airplane pilots and navigators, architects, artists, chemists, designers, dietitians, editors, engineers, layers, librarians, mathematicians, natural scientist, registered professional nurses, personnel and labor relations specialist, physical scientist, physicians, social scientist, teachers, surveyors and kindred workers.

**Technicians.** Occupations requiring a combination of basic scientific knowledge and manual skill which can be obtained through 2 years of post high school education, such as is offered in many technical institutes and union colleges, or through equivalent on-the-job training. Include: computer programmers, drafters, engineering aides, junior engineers, mathematical aides, licensed, practical or vocational nurses, photographers, radio operators, scientific assistants, technical illustrators, technicians (medical, dental, electronic, physical science), and kindred workers.

**Sales.** Occupations engaging wholly or primarily in direct selling. Includes: advertising agents and sales workers, insurance agents and brokers, real estate agents, and brokers, stock and bond sales workers, demonstrators, sales workers and sales clerks, grocery clerks, and cashiers/checkers, and kindred workers.

**Office and clerical.** Includes all clerical-type work regardless of level of difficulty, where the activities are predominantly non manual though some manual work not directly involved with altering or transporting the products is included. Includes: bookkeepers, collectors (bills and accounts), messengers and office helpers, office machine operators (including computer), shipping and receiving clerks, stenographers, typists and secretaries, telegraph and telephone operators, legal assistants, and kindred workers.

**Craft workers (skilled).** Manual workers of relatively high skill level having a thorough and comprehensive knowledge of the processes involved in their work. Exercise considerable independent judgment and usually receive an extensive period of training. Includes: the building trades, hourly paid supervisors and lead operators who are not members of occupations, compositors and typesetters, electricians, engravers, painters (construction and maintenance), motion picture projectionists, pattern and model makers, stationary hand painters, coaters, bakers, decorating occupations, and kindred workers.

**Operatives (semiskilled).** Workers who operate machine or processing equipment or perform other factory-type duties of intermediate skill level which can be mastered in a few weeks and require only limited training. Includes: apprentices (auto service and stitchers, dryers, furnace workers, heaters, laundry and dry cleaning operatives, milliners, mine operatives and laborers, motor operators, oilers and greasers (except auto), painters (manufactured articles), photographic process workers, truck and tractor drivers, knitting, looping, taping and weaving machine operators, welders and flame cutters, electrical and electronic equipment assemblers, butchers and meatcutters, inspectors, testers and graders, handpackers and packagers, and kindred workers.

**Laborers (unskilled).** Workers in manual occupations which generally require no special training who perform elementary duties that may be learned in a few days and require the application of little or no independent judgment. Includes: garage laborers, car washers and greasers, groundskeepers and gardeners, farmworkers, stevedores, wood choppers, laborers performing lifting, digging, mixing, loading and pulling operation and kindred workers.

**Service workers.** Workers in both protective and nonprotective service occupations. Includes: Attendants (hospital and other institutions, professional and personal service, including nurses aides, and orderlies), barbers, charworkers and cleaners, cooks, counter and fountain workers, elevator operators, firefighters and fire protection, guards, doorkeepers, stewards, janitors, police officers and detectives, porters, waiters and waitresses, amusement and recreation facilities attendants, guides, ushers, public transportation attendants, and kindred workers

## Champaign County Prevailing Wage Rates posted on 2/2/2022

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		33.10	34.35	1.5	1.5	2.0	2.0	7.25	18.61	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		24.45	25.45	1.5	1.5	2.0	2.0	9.70	8.00	0.00	0.50	
BOILERMAKER	All	BLD		41.00	44.00	1.5	1.5	2.0	2.0	7.07	21.86	0.00	1.45	
BRICK MASON	All	BLD		34.16	35.87	1.5	1.5	2.0	2.0	9.00	15.95	0.00	0.89	
CARPENTER	All	BLD		37.83	40.08	1.5	1.5	2.0	2.0	9.20	15.75	0.00	0.74	
CARPENTER	All	HWY		37.85	39.60	1.5	1.5	2.0	2.0	9.20	17.77	0.00	0.71	
CEMENT MASON	All	BLD		34.81	37.31	1.5	1.5	2.0	2.0	9.85	11.70	0.00	0.50	
CEMENT MASON	All	HWY		35.90	37.90	1.5	1.5	2.0	2.0	9.85	12.30	0.00	0.50	
CERAMIC TILE FINISHER	All	BLD		32.77	32.77	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
ELECTRIC PWR EQMT OP	All	ALL		49.37	58.58	1.5	1.5	2.0	2.0	8.23	13.82	0.00	0.74	
ELECTRIC PWR GRNDMAN	All	ALL		33.54	58.58	1.5	1.5	2.0	2.0	7.76	9.40	0.00	0.51	
ELECTRIC PWR LINEMAN	All	ALL		54.95	58.58	1.5	1.5	2.0	2.0	8.40	15.39	0.00	0.82	
ELECTRIC PWR TRK DRV	All	ALL		35.21	58.58	1.5	1.5	2.0	2.0	7.81	9.86	0.00	0.53	
ELECTRICIAN	All	BLD		43.83	48.21	1.5	1.5	2.0	2.0	7.25	10.92	0.00	0.66	
ELECTRONIC SYSTEM TECH	All	BLD		33.99	36.99	1.5	1.5	2.0	2.0	7.25	11.36	0.00	0.40	
ELEVATOR CONSTRUCTOR	All	BLD		51.01	57.39	2.0	2.0	2.0	2.0	16.02	20.21	4.08	0.65	
FENCE ERECTOR	All	ALL		34.85	36.85	1.5	1.5	2.0	2.0	11.74	14.00	0.00	1.11	
GLAZIER	All	BLD		37.00	39.00	1.5	1.5	2.0	2.0	6.95	11.47	0.00	0.68	
HEAT/FROST INSULATOR	All	BLD		33.90	35.40	1.5	1.5	2.0	2.0	7.14	13.49	0.00	0.35	0.55
IRON WORKER	All	ALL		34.85	36.85	1.5	1.5	2.0	2.0	11.74	14.00	0.00	1.11	
LABORER	All	BLD		30.60	31.85	1.5	1.5	2.0	2.0	7.25	18.61	0.00	0.80	
LABORER	All	HWY		33.43	34.43	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	9.20	15.75	0.00	0.74	
MACHINIST	All	BLD		50.68	53.18	1.5	1.5	2.0	2.0	8.93	8.95	1.85	1.47	
MARBLE FINISHER	All	BLD		32.77	32.77	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
MARBLE MASON	All	BLD		34.29	34.29	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
MILLWRIGHT	All	BLD		33.60	35.85	1.5	1.5	2.0	2.0	9.20	20.44	0.00	0.74	
MILLWRIGHT	All	HWY		37.36	39.11	1.5	1.5	2.0	2.0	9.20	21.21	0.00	0.71	
OPERATING ENGINEER	All	ALL	1	42.75	43.75	1.5	1.5	2.0	2.0	10.85	11.95	0.00	1.30	
OPERATING ENGINEER	All	ALL	2	27.65	43.75	1.5	1.5	2.0	2.0	10.85	11.95	0.00	1.30	
OPERATING ENGINEER	All	ALL	3	43.75	44.75	1.5	1.5	2.0	2.0	10.85	11.95	0.00	1.30	

PAINTER	All	ALL		36.56	38.06	1.5	1.5	2.0	2.0	9.85	7.28	0.00	0.60	
PAINTER - SIGNS	All	ALL		36.56	38.06	1.5	1.5	2.0	2.0	9.85	7.28	0.00	0.60	
PILEDRIIVER	All	BLD		38.83	41.08	1.5	1.5	2.0	2.0	9.20	15.75	0.00	0.74	
PILEDRIIVER	All	HWY		37.85	39.60	1.5	1.5	2.0	2.0	9.20	17.77	0.00	0.71	
PIPEFITTER	All	BLD		47.10	50.02	1.5	1.5	2.0	2.0	8.25	10.89	0.00	2.10	0.10
PLASTERER	All	BLD		35.05	37.05	1.5	1.5	2.0	2.0	9.85	13.29	0.00	0.50	
PLUMBER	All	BLD		47.10	50.02	1.5	1.5	2.0	2.0	8.25	10.89	0.00	2.10	0.10
ROOFER	All	BLD		35.00	38.00	1.5	1.5	2.0	2.0	9.99	9.01	0.00	0.56	
SHEETMETAL WORKER	All	BLD		39.80	42.05	1.5	1.5	2.0	2.0	9.55	15.91	0.00	0.55	1.96
SPRINKLER FITTER	All	BLD		43.45	46.45	1.5	1.5	2.0	2.0	10.55	14.22	0.00	0.52	
STONE MASON	All	BLD		34.16	35.87	1.5	1.5	2.0	2.0	9.00	15.95	0.00	0.89	
TERRAZZO FINISHER	All	BLD		32.77	32.77	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
TERRAZZO MASON	All	BLD		34.29	34.29	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
TILE MASON	All	BLD		34.29	34.29	1.5	1.5	2.0	2.0	9.00	11.95	0.00	0.40	
TRUCK DRIVER	All	ALL	1	39.85	44.21	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	ALL	2	40.44	44.21	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	ALL	3	40.71	44.21	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	ALL	4	41.10	44.21	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	ALL	5	42.20	44.21	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	O&C	1	31.88	35.37	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	O&C	2	32.35	35.37	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	O&C	3	32.57	35.37	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	O&C	4	32.88	35.37	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TRUCK DRIVER	All	O&C	5	33.76	35.37	1.5	1.5	2.0	2.0	14.02	6.89	0.00	0.25	
TUCKPOINTER	All	BLD		34.16	35.87	1.5	1.5	2.0	2.0	9.00	15.95	0.00	0.89	

- 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, vector 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.

**SECTION C**

City of Urbana Special Provisions

## CITY OF URBANA SPECIAL PROVISIONS

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## **PART 1 – GENERAL INFORMATION**

### **1.1 Advertisement for Bids**

City of Urbana  
Department of Public Works  
706 South Glover Avenue  
Urbana, Illinois 61802

Sealed BIDS for the construction of **Windsor Road (Section 21-00637-00-RS)** including: hot-mix asphalt surface removal and replacement, new aggregate wedge shoulders, detector loop replacement that will be received by the City of Urbana at the Public Works Department, 706 South Glover, Urbana, Illinois 61802 until **2:00 PM** prevailing time on **Friday, May 13, 2022** and publicly opened and read aloud at said office.

Register online at the City of Urbana website: [https://urbanaininois.us/Solicitation\\_2122-51](https://urbanaininois.us/Solicitation_2122-51) to receive bid documents.

The plans and proposals are each a call for bids containing all requirements governing the letting and performance of the particular contract including but not limited to any applicable requirements for the payment of prevailing rates of wages for labor as required by law. Any questions regarding individual plans and proposals should be directed to the City of Urbana Public Works Department.

All bidders are required to provide evidence of current prequalification with the Illinois Department of Transportation.

Each proposal shall be accompanied by a bid bond according to BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

All bidders are hereby notified that the City of Urbana is required to affirmatively insure that the contract, entered into pursuant to this advertisement, will be awarded to the lowest responsible bidder and on a non-discriminatory basis. The lowest responsible bidder must have an active Equal Employment Opportunity (EEO) Certificate of Compliance from the City of Urbana before the contract can be awarded. Applications for EEO Certificate of Compliance are reviewed only once per month by the City of Urbana; therefore, all bidders are encouraged to apply for EEO certification in advance of the bid opening.

All bidders are hereby notified that any proposal requiring work to be performed by a contractor requires the prime and subcontractors to participate in an approved training program. All bidders must complete BLR 12325 and return with the bidders' proposals. If BLR 12325 is not completed, the bid will not be read.

John Zeman, P.E., S.E.  
City Engineer

## **1.2 Information for Bidders**

Bids will be received by the City of Urbana (herein called the "Owner") acting through the City Council at 706 South Glover Avenue, Urbana, Illinois 61802 until **2:00 PM** prevailing time on **Friday, May13, 2022** and publicly opened and read aloud at said office.

All bids and accompanying data must be submitted in conformity with, be based upon, and be subject to all the requirements of the Contract Documents. The following documents must be submitted as part of the Bid, in addition to the BLR Forms listed on BLR 12200:

- EEO Workforce Statistics Form
- Vendor Representation and Additional Duties Form
- Acknowledgement of Addenda (if applicable)

Each Bid must be submitted in a sealed envelope, addressed to the City of Urbana in care of the City Engineer, 706 South Glover Avenue, Urbana, Illinois 61802. Each sealed envelope containing a Bid must be plainly marked on the outside as "**Windsor Road Resurfacing**" **Section 21-00637-00-RS** and the envelope should bear on the outside the name of the Bidder, his/her address, and his/her license number if applicable. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed to the City of Urbana in care of the City Engineer, 706 South Glover Avenue, Urbana, Illinois 61802.

Should the City issue any Addendum to the Bid documents, the bidder shall acknowledge receipt of the amendment by including a copy of the Addendum with their bid form. The bid shall be based on all Addenda. **Any Addendum issued by the City shall be considered part of the bid documents and failure to submit acknowledgement of the receipt of all Addenda shall be cause for the City to reject the bid.**

The Bidder and their subcontractors shall comply fully with all applicable City of Urbana Ordinances including, but not limited to the City of Urbana's Human Rights Ordinance as well as all other laws and ordinances pertaining to equal employment opportunity. Pursuant to the guidelines, the Bidder must have on file a Certificate of Compliance from the City of Urbana before a bid can be awarded to the Bidder. In addition, before a subcontractor can be utilized on this project the subcontractor must have on file a Certificate of Compliance from the City of Urbana. The Notice of Award **cannot** be issued until the Contractor's equal employment opportunity Certificate of Compliance forms have been approved by Urbana's Human Relations Commission. Contractors and Subcontractors are encouraged to pre-qualify with the City prior to the Bid opening to expedite issuance of the Notice of Award. Inquiries concerning this requirement may be directed to the Human Relations Officer, 400 South Vine Street, Urbana, Illinois 61801 or by telephone at (217) 384-2466.

City of Urbana and State of Illinois Sales Tax and Federal Excise taxes are not applicable to this project and must be excluded. The Urbana City Clerk, upon request, will execute the exemption certificates in connection with all orders when Federal Excise Tax would otherwise be due.

The Engineer is the City Engineer, 706 South Glover Avenue, Urbana, Illinois, or his/her designee.

Construction is to be performed within City rights-of-way and easements.

**PART 2 – GENERAL CONTRACTUAL CONDITIONS**

**2.1 Coordination of Contract Documents**

The following table supplements the hierarchy of contract documents according to Article 105.05 of the Standard Specifications.

Authorized Change Orders	Hold over:	Addenda to Contract Documents, Special Provisions, Plans, Recurring Special Provisions, Supplemental Specifications, and Standard Specifications.
Addenda to Contract Documents	Hold over:	Special Provisions, Plans, Recurring Special Provisions, Supplemental Specifications, and Standard Specifications.
Special Provisions <sup>(1)</sup>	Hold over:	Plans, Recurring Special Provisions, Supplemental Specifications, and Standard Specifications.

Note (1): The term “Special Provisions” includes General Information, General Contractual Conditions, and Technical Provisions.

**2.2 Payments to Contractors**

Payment will be made by check; no payments will be made with bonds.

**2.3 Pre-Construction Meeting**

As soon as possible after receipt of the Notice to Proceed, the ENGINEER will schedule a Pre-construction Meeting for the project. The CONTRACTOR shall have his/her General Superintendent and Jobsite Superintendent present at the appropriate meeting to discuss all details of the project. At these meetings, the CONTRACTOR shall submit for approval information and drawings where appropriate on all major equipment and materials planned for use on the projects to the ENGINEER for approval. Information shall be included on a minimum of the following items:

- A. List of Subcontractors and Material Suppliers
- B. Shop Drawings
- C. Erosion Control Plan and Inlet Filter Systems
- D. Construction Staging and Access to Properties
- E. Traffic Control Plan
- F. Progress Schedule

**2.4 Guarantee Period**

The CONTRACTOR shall warrant all work performed for a period of one (1) year from the date of completion and acceptance by the OWNER.

## **2.5 Insurance**

For “Employers Liability” (part (a)(2) of Article 107.27 of the Standard Specifications), change the coverage limit to \$1,000,000 for each category.

Add the following requirements to “Commercial General Liability” (part (b) of Article 107.27 of the Standard Specifications): “...shall provide coverage for the usual Personal Liability endorsement with no exclusions pertaining to employment...”

Add the following paragraphs to Article 107.27 of the Standard Specifications:

The CONTRACTOR shall purchase a Builder’s Risk-Installation Floater in a form acceptable to the OWNER covering property of the Project for the full cost of replacement as of the time of any loss which shall include, as named insured, (1) the CONTRACTORS, (2) all SUBCONTRACTORS, (3) all Sub-SUBCONTRACTORS, (4) the OWNER, the ENGINEER(S) or Architect(s), as their respective interest may prove to be at the time of loss, covering insurable property which is the subject of this CONTRACT, whether in place, stored at the job site, stored elsewhere, or in transit at the risk of the insured(s).

Coverage shall be affected on an “All Risk” form including, but not limited to, the perils of fire, wind, vandalism, collapse, theft and earthquake, with exclusions normal to the coverage. With approval of the ENGINEER, the CONTRACTOR may arrange for such deductibles as (s)he deems to be within his/her ability to self-assume, but (s)he will be held solely responsible for the amount of such deductible and for any co-insurance penalties. Any insured loss shall be adjusted with the OWNER and the CONTRACTOR and paid to the OWNER and CONTRACTOR as Trustee for the other insured.

The following subrogation clause shall appear in all policies of insurance, “Subrogation Clause - it is hereby stipulated that this insurance shall not be invalidated should the insured waive in writing prior to a loss any or all right of recovery against any part for loss occurring to the property described herein.”

## **PART 3 - TECHNICAL PROVISIONS**

The following Special Provisions supplement the “Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022”, the latest edition of the “Manual on Uniform Traffic Control Devices for Streets and Highways”, and the “Manual of Test Procedures for Materials” in effect on the date of invitation for bids, and the “Supplemental Specifications and Recurring Special Provisions” indicated on the Check Sheet included herein, which apply to and govern the construction of Section 21-00637-00-RS and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

### **3.1 Location of Project**

This project is located on Windsor Road from approximately 80 ft. west of Wright St. to 360 ft. west of Race St. in Urbana, Illinois in Champaign County.

### **3.2 Description of Work**

The proposed improvements will include milling and resurfacing of Windsor Road, new aggregate wedge shoulders, detector loop replacement.

### **3.3 Construction and Maintenance Noise**

The contractor shall adhere to the City of Urbana noise ordinance Section 16-7 in scheduling work windows. According to the ordinance, it is unlawful to use any construction equipment to perform any construction or maintenance work associated with this project at any time between the hours noted below where such construction equipment is operated within six hundred (600) feet of any residence, hospital, or place of worship.

- 8:00 pm through 7:00 am Monday through Saturday
- 8:00 pm Saturday through 12:00 pm (noon) Sunday
- 8:00 pm Sunday through 7:00 am Monday

This time regulation shall not apply to sawing contraction joints, maintenance or operation of safety and traffic control devices such as barricades, signs and lighting, or to construction of an emergency nature.

Any arrow boards used for traffic control that is to remain in place overnight shall be of a non-motorized type in order to eliminate noise and comply with the City’s Ordinance.

Exception: Any machine or device or part thereof which is regulated by or becomes regulated by Federal or State of Illinois noise standards shall conform to those above standards. Such equipment shall be operated as designated above.

### **3.4 Asphalt Millings**

The asphalt millings removed from the pavement surface during construction activities will be taken to the Urbana Landscape Recycling Center, 1210 East University Avenue, Urbana.



The cost of compliance with this Special Provision will not be paid for separately but shall be considered, as incidental to the various HOT-MIX ASPHALT SURFACE REMOVAL pay items and no additional compensation will be allowed.

### **3.5 Valve Boxes to Be Replaced**

This work shall consist of replacing valve boxes to the finished grade as shown on the plans or as directed by the Engineer according to Section 602 of the Standard Specifications, with the following modifications:

The water valves indicated on the plans shall be removed and replaced. Illinois American Water will furnish new valve boxes for the replacement. The Contractor shall coordinate this work directly with Illinois American Water and comply with the standard details and specifications for this work provided by Illinois American Water.

Before milling operations start, the existing pavement adjacent to and for a distance not exceeding 12 inches outside the base of the valve to be adjusted shall be broken sufficiently to permit its removal. The contractor will place a steel plate or blank sign over the existing hole and cover with CA 6 to 3 inches below the existing surface elevations. The final inches to surface level shall be cold mix asphalt. It is the contractor's responsibility to accurately note the location of the valves during this process.

Once milling and paving operations are complete, the contractor shall adjust the valves to the final finish grade of the surface. A minimum of 12 inches of the pavement adjacent to the valve shall be saw cut and removed. After the valve is adjusted to the new surface grade, the removed pavement shall be replaced with a minimum of 9 inch thick Class SI concrete. All or portions of this work may be omitted from the contract at the discretion of the engineer.

#### **Basis of Pavement**

This work will be paid for at the contract unit price per each valve adjusted as VALVE BOXES TO BE REPLACED.

### **3.6 Traffic Control and Protection**

Eff. 09-11-1990

Rev. 01-01-2014

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

The Contractor shall furnish, erect, maintain and remove all warning signs, flags, barricades, and lights in accordance with Article 107.14 of the Standard Specifications for Road and Bridge Construction, the latest edition of the Manual for Uniform Traffic Control Devices and/or as directed by the Engineer.

The Manual of Uniform Traffic Control Devices or as directed by the Engineer will be considered incidental to the various items of work involved and no additional compensation will be allowed, except as described herein.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications, the following Highway Standards relating to Traffic Control:

701101, 701421, 701422, 701426, 701606, 701611, and 701701

In addition, the following Special Provision(s) and/or Details will also govern traffic control for this project:

**Special Provisions:** TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

**BDE Special Provisions:** WORK ZONE TRAFFIC CONTROL DEVICES

**Local Roads and Streets Recurring Special Provisions:** WORK ZONE TRAFFIC CONTROL SURVEILLANCE and FLAGGERS IN WORK ZONES

**Details:** SUGGESTED STAGES OF CONSTRUCTION

**Traffic:** It is the intention of the Department that Windsor Road be kept open to traffic at all times during the construction of this section. Two-way traffic shall be maintained throughout the project.

The following traffic control standards shall be utilized during, but not limited to, the listed construction operations:

Surface Removal: 701422, 701606, 701611, 701701  
Mainline Paving: 701422, 701606, 701611, 701701  
Entrance Paving: 701422, 701606, 701611, 701701  
Aggregate Wedge Shoulder: 701101  
Detector Loop Replacement: 701421  
Pavement Markings: 701426

### **Advanced Notice**

The City of Urbana will be responsible for notifying the public, the United States Postal Service and the emergency service agencies for road closures and changes in the traffic maintenance plans.

The contractor shall notify the City 72 hours in advanced of implementing new or adjusting existing traffic control.

### **Access**

If a proposed patch or driveway remove/replacement interferes with access to a private or commercial driveway, the driveway shall be out of service for a maximum of 1 day, and the contractor shall give at least 48 hours advanced notice to the Engineer of the driveway closure. If a private home or commercial business has one (1) entrance, all attempts must be made to do only half the drive (while maintaining access) at a time. If a private home or commercial business has two (2) or more entrances, at least one (1) entrance must remain open at all times. Nearby on-street parking shall be maintained while a driveway is closed.

### **Changeable Message Signs**

Portable changeable signs shall be erected at each location at the beginning and end of the project five (5) days prior to the start of construction to forewarn motorists of the impending construction. This work shall be performed in accordance with Article 701 of the Standard Specifications except reference to

supplying equipment to run the sign from a remote location and reference to the basis of payment shall be deleted. The signs shall remain in place and operational until such time that all traffic control devices are in place and construction has begun. The sign message will be provided by the Engineer.

### **Solar Powered Arrow Boards**

Arrow boards shall be used as required by the Standards and as directed by the Engineer. All arrow boards to be used on this project shall be solar powered

### **Pedestrian Sidewalk Control**

The Contractor shall install, maintain, and remove necessary signs and barricades needed to direct pedestrians to usable sidewalks and walkways during the construction, and as directed by the Engineer. At each point of closure, a sufficient number of barricades shall be used to completely close the sidewalk to pedestrian movement. Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both are not out of service at the same time.

### **Temporary Sidewalks**

The Contractor may restrict pedestrian access to the project during working hours by utilizing Highway Standard 701801. During non-working hours the Contractor shall allow for pedestrian access through the project site by constructing temporary sidewalks at locations where existing sidewalks have been removed or as directed by the Engineer. The temporary sidewalk shall consist of coarse aggregate gradation CA-6 placed at a compacted depth of five (5) inches and minimum width of four (4) feet at locations and to the satisfaction of the Engineer. This work, including furnishing and placing the materials, as well as compaction, maintenance, removal, and subsequent disposal of the material in accordance with Article 202.03 of the Standard Specifications.

### **Public Safety and Convenience**

The Contractor shall maintain entrances and side roads along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused to the Contractor by complying with these requirements shall be considered as incidental to the contract and no additional compensation will be allowed.

### **3.7 Traffic Control and Protection, (SPECIAL)**

Specific traffic control plan details and Special Provisions have been prepared for this contract.

This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain, and remove all traffic control devices as shown in the plans, referenced by Highway Standard, and as approved by the Engineer. All traffic control indicated on the traffic control plan details and specified in the Special Provisions will be measured for payment on a lump sum basis.

All signs and devices furnished for this contract are to be in new or like new condition at the beginning of the job.

All signs either shown on the plans or referenced by incorporation of Highway Standard shall be in accordance with Section 701.

Basis of Payment. Traffic Control and Protection will be paid for at the contract price for LUMP SUM for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which price shall be payment in full for furnishing all labor, equipment and materials required to complete the work as specified, wherever a roadway closure is required to complete the construction of this project.

**3.8 Opening Lanes For Home Football Periods and UIUC Move-In-Week**

Eff. 02-15-2001

Rev. 01-01-2014

No broken pavement, open holes, trenches, barricades, cones, or drums will remain on or adjacent to the traveled way and all lanes shall be opened to traffic during any Home Football Period, except where major bridge construction and/or other roadway reconstruction (excluding patching and resurfacing) requiring overnight lane closures would make it impractical.

Home Football Period: The Home Football Period shall apply for University of Illinois football games to be played at Memorial Stadium at the University of Illinois at Urbana-Champaign

Day of Football Game	Length of Home Football Period
Tuesday, Wednesday, or Thursday	3PM on the day before the game until 6:00 AM on the day after the game.
Friday	3PM on Thursday until 12:01 AM Monday
Saturday	3PM on Friday until 12:01 AM Monday
Sunday	3PM on Friday until 6:00 AM Monday
Monday	12:01 AM on Saturday until 6:00 AM Tuesday
UIUC Move-In-Week	Length of Move In Period
Week of August 14	3:00 PM Wednesday, August 17 until 12:00 AM Monday, August 21

Should the Home Football Period for two different games overlap, then both shall apply and shall be considered as one continuous period.

These requirements shall apply in addition to any other requirements in the Standard Specifications.

**3.9 Pneumatic-Tired Roller For Hot-Mix Asphalt**

Eff. 10-01-1998

Rev. 03-09-2021

For all Hot-Mix Asphalt Mixtures placed at a rate exceeding 85 tons per hour (75 metric tons per hour), a pneumatic-tired roller will be required as the intermediate roller. This roller shall meet the requirements of Table 1 of Article 406.07 of the Standard Specifications.

This work will not be measured for payment or paid for separately, but shall be considered as included in the price per ton (metric ton) or square yard (square meter) of the various items of HOT-MIX ASPHALT, of the mixture and Ndesign (if applicable) specified.

### **3.10 Hot-Mix Asphalt Surface Removal**

Eff. 10-1-09

This work shall be according to the applicable portions of Section 440 of the Standard Specifications, with the following additional requirements.

The Contractor shall have two options for the machine(s) used for Hot-Mix Asphalt Surface Removal on the through traffic lanes on this job.

1. The machine shall be capable of removing a layer of bituminous material at least the width of the lane of travel and 1-1/2 inches (40 mm) in depth in a single pass.

OR

2. Two machines shall be used. Each shall be capable of removing a layer of bituminous material at least one half the width of the lane of travel and 1-1/2 inches (40 mm) in depth in a single pass. If this option for two machines is used, they shall be operated in tandem with no more than 1/8-mile (200 m) separation. If areas of excessive cutting depth appear behind the second machine, then immediate adjustments to the operation of the first machine shall be made to correct the overcutting, and to provide the results shown above.

Any machine used for Hot-Mix Asphalt Surface Removal shall be equipped and operated with electronic grade control referenced to a traveling grade reference device not less than 30 ft. (9 m) in length, and according to Article 1101.16 of the Standard Specifications.

At locations where the milling operation does not fully mill and plane the pavement surface the requirements for checking tolerance with a 16 ft. (5 m) straightedge will not apply. These areas will include locations where the original pavement surface is untouched by the milling teeth. They shall also include areas where the milling teeth lightly touch the pavement, but the area between the cuts is not trimmed by the moldboard.

This work will be measured for payment according to the applicable portions of Article 440.07 of the Standard Specifications. No deduction will be made for areas traversed by the milling machine where the teeth do not touch the pavement surface as long as the work is performed as directed by the Engineer.

This work will be paid for according to the applicable portions of Article 440.08 of the Standard Specifications

### **3.11 Milling of Concrete Patches**

This work shall be according to the applicable portions of Section 440 of the Standard Specifications and the special provision HOT-MIX ASPHALT SURFACE REMOVAL.

This work will be measured for payment according to the special provision HOT-MIX ASPHALT SURFACE REMOVAL.

This work shall consist of removing the top 2 ½" of existing PCC material from previously constructed PCC patches.

This work will be paid for as HOT-MIX ASPHALT SURFACE REMOVAL, 2 ½".

### **3.12 Adjusting of Frames and Grates of Drainage and Utility Structures**

Eff. 03-09-2001  
Rev. 03-28-2007

At the contractor's option the adjustment of the casting may be performed after the surface course has been placed.

If this option is chosen, the existing pavement adjacent to and for a distance not exceeding 12 inches (300 mm) outside the base of the casting to be adjusted shall be broken sufficiently to permit its removal.

After the casting has been adjusted, the pavement and hot-mix asphalt mixture removed shall be replaced with Class SI concrete not less than 9 inches (225 mm) thick. The concrete surface to a depth of 1 inch (25 mm) shall be darkened with a mortar additive to match the adjacent hot-mix asphalt mixture.

Payment will be in accordance with Articles 602.16 or 603.09.

### **3.13 Uneven Lanes**

Eff.: 12/11/2009

Rev.: 4/25/2015

Where construction operations result in a temporary drop-off between two traffic lanes open to traffic, excluding patching, "UNEVEN LANES" (W8-11(0)48) signs shall be used. The Contractor shall place the signs at the beginning of the drop-off area, major intersections, and at as such other locations within the drop-off area as the Engineer may direct, including as shown below.

- 2 Mile spacing on Interstates
- 1 Mile spacing on rural 2-lane highways
- Spacing per the Traffic Control Plan in Urban sections

The signs shall be placed just prior to the work that will result in the drop-off and shall remain in place until the drop-off is eliminated. This work shall be considered as included in the contract unit prices for the construction items involved and no additional compensation will be allowed.

### **3.14 Traffic Control Removal**

Effective: 10/13/2011

Per the requirements of Article 701 of the Standard Specifications:

All lanes shall be open to traffic and all lane closure traffic control shall be removed during non-work hours, unless required by the Contractor's operation or authorized by the Engineer. Failure to open all lanes to traffic during non-work hours will result in a traffic control deficiency, per Article 105.03 of the Standard Specifications.

### **3.15 Detector Loop Replacement**

This work shall consist of furnishing and installing a detector loop, of the type specified in the plans, in the pavement in conformance with the requirements of the plans, Sections 873 & 886 of the Standard Specifications, and Standards 886001 and 886006 with the following exceptions:

Replace the third paragraph of Article 886.04(a) with the following:

“The loop wire shall be held tightly in the bottom of the sawed slot by means of a plastic foam type material. The “backer rod” shall completely cover the wire and provide a barrier between the wire and the sealant. The loop wires not imbedded in the pavement shall be evenly twisted approximately five (5) turns per foot. The depth of the sawed slot shall be as required to provide a minimum of one-inch clearance between the surface of the pavement and the top of the backer rod. When loops are placed in the binder or base course of bituminous pavement and will be covered by an additional surface course, the clearance may be reduced to one-half inch.”

Each detector loop lead-in shall be installed in a separate conduit as shown in the plans. This conduit extends from the edge of the pavement to the nearest handhole. At all locations where pavement joints that are not doweled or pavement separation cracks (including areas where bituminous pavement abuts concrete pavement) are encountered by the slots sawed for the placement of the detector loops or lead-ins, a cored expansion hole shall be made per Standard 886001. The cored expansion holes are included in this pay item, and no additional compensation will be made. The location of all detector loops and number of turns shall be approved by the Engineer before any slots are sawed in the pavement.

After rotomilling, the Engineer shall contact Bureau of Operations of I.D.O.T. to determine if the existing loop is operational. If the loop is damaged, it shall be re-cut, reconnected, and fully operational within five (5) working days. Detector loops shall be placed in the pavement after milling and prior to resurfacing.

Detector loops shall be spliced into the existing lead-in cables in the handhole. The splices shall be made per Section 873 of the Standard Specifications. Conductors shall be spliced in a rigid mold. Rosin-core solder shall be used. The cost of labor and material for removing existing detector loop cables from the conduit and splicing into the existing lead-in cables shall be included in the pay item DETECTOR LOOP REPLACEMENT.

Locating underground cables will be paid for separately.

This work will be paid for at the contract unit price per foot for DETECTOR LOOP REPLACEMENT, measured along the sawed slot in the pavement containing the loops and lead in, rather than the actual length of wire in the slot, which price shall be payment in full for furnishing, installing, and testing the detector loop complete in place.

**3.16 Status of Utilities**

<u>Name &amp; Address of Utility</u>	<u>Type</u>	<u>Location</u>	<u>Adjustment or Relocation</u>
Illinois American Water 1406 Cardinal Ct Urbana, IL 61801 (800) 422-2782	Water	Throughout	Valve Boxes to be Replaced
Windstream Telecommunications 503 E Healey St Champaign, IL 61820 (800) 289-1901	Phone	Throughout	None Anticipated
Windstream Telecommunications 503 E Healey St Champaign, IL 61820 (800) 289-1901	Fiber	Throughout	None Anticipated
City of Urbana Public Works 706 S Glover Ave Urbana, IL 61802 (217) 384-2342	Traffic Signals	Throughout	None Anticipated
Metro Communications 8 South Washington St Suite 200 Sullivan, IL 61951 (217) 728-9056	Fiber	Anticipated to be Outside of the Construction Limits	None Anticipated

Utility adjustments or relocations should not be required by this project. **The Illinois Underground Utility Facilities Damage Prevention Act** requires persons excavating to contact the one call system (J.U.L.I.E 800-892-0123 or 811) before digging.



**SECTION D**

ILAW Standard Specifications

SECTION 15130  
PIPING SPECIALTIES

**PART 1 – GENERAL**

1.01. SUMMARY

This section includes furnishing and installing miscellaneous piping specialties as shown on the Drawings. Piping specialties include polyethylene encasement (polywrap); valve boxes; rods, bolts, lugs, and brackets; retaining glands; test/tracer wire boxes; and marking posts.

1.02. RELATED WORK

- A. Specification Section 02210 – Trenching, Backfilling, and Compacting
- B. Specification Section 15000 – Piping – General Provisions
- C. Specification Section 15105 – Ductile Iron Pipe and Fittings

1.03. REFERENCES

Refer to current Standards:

- A. AWWA C105 - American National Standard for Polyethylene Encasement for Ductile-Iron Pipe Systems
- B. AWWA C217 – Petrolatum and Petroleum Wax Tape Coatings
- C. AWWA C600 – Installation of Ductile Iron Water Mains and Their Appurtenances
- D. DIPRA Field Polyethylene Installation Guide

**PART 2 – PRODUCTS**

2.01. POLYETHYLENE ENCASEMENT

A. Polyethylene encasement shall conform to AWWA Standard C105 and shall be enhanced with V-Bio. The polyethylene encasement shall be 8 mils thick (12 mils thick in corrosive soil). The polyethylene film shall be translucent and blue in color and distinctly marked (at minimum 2-foot intervals) with the following information:

- 1. manufacturer's name (or trademark),
- 2. year manufactured,

3. minimum film thickness and material type (LLDPE or HDCLPE),
  4. range of nominal pipe diameter size
  5. ANSI/AWWA C105/A21.5 (compliance)
  6. A warning “WARNING–CORROSION PROTECTION-REPAIR ANY DAMAGE
  7. labeled “WATER”
- B. Tape shall be polyethylene compatible adhesive and a minimum of 1.5 inches wide. Acceptable suppliers are listed in the most current version of the Supplemental Technical Specifications.
- C. Store all polyethylene encasement out of the sunlight. Exposure of wrapped pipe should be kept to a minimum.
- D. Acceptable Suppliers of polyethylene encasement are listed in the most current version of the Supplemental Technical Specifications.

2.02. VALVE BOXES

- A. All valves shall be provided with valve boxes. Valve boxes shall be of the standard, adjustable, cast iron extension type, multiple piece, 5-1/4-inch shaft, screw type, and of such length as necessary to extend from the valve to finished grade. Cast iron valve boxes shall be hot coated inside and out with an asphaltic compound.
- B. Valve boxes shall be positioned with a Box Alignment Tool or Box Aligner (“top hats”).
- C. Valve box bases shall conform to the following:

<b>Valve Size (inch)</b>	<b>Base</b>
4 and smaller	Round, 8-inch high, 10-7/8-inch diameter at bottom.
6 and 8	Round, 11-inch high, 14-3/8-inch diameter at bottom
10 and larger	Oval, 11-inch high, 15-inch by 11-1/8-inch at bottom

- D. Acceptable Manufacturers are listed in the Supplemental Technical Specifications.

### 2.03. RODS, BOLTS, LUGS AND BRACKETS

- A. All steel rods, bolts, lugs and brackets, shall be ASTM A36 or A307 carbon steel with xylan coating as a minimum requirement. The bolts shall have American Standard heavy unfinished hexagonal head and nut dimensions all as specified in ANSI B18.2. Xylan or FluoroKote #1 T-Bolts, corrosion resistant to handle corrosive conditions shall be used on any buried flanged bolts.
- B. After field installation, all steel surfaces shall receive a petrolatum wax tape coating in accordance with Specification Section 15000 and AWWA Standard C217. Subject to approval by the Engineer, an alternative corrosion protection for exposed buried metal is an aerosol applied rubberized coating per Specification Section 15000.
- C. Acceptable manufacturers are listed in the most current version of the supplemental Technical Specifications.

### 2.04. RETAINING GLANDS

- A. All retaining glands shall be ductile iron with ductile iron set screws. Pressure ratings for use with ductile iron pipe shall be a minimum of 250 psi. Retainer Glands shall be coated with electrostatically applied baked-on polyurethane coating or approved equal. Locking wedges, bolts, and set screws shall be coated with Xylan or FluoroKote #1.
- B. Acceptable Manufacturers are listed in the most current version of the Supplemental Technical Specifications.

### 2.05. TEST /TRACER BOXES

- A. All test/tracer boxes shall be 18-inch plastic box flared and squared at base and have a 4-inch I.D. with a 1 ½-inch cast iron flange. Lid shall be a one piece locking lid with “Test Station” marked on lid and shall contain 5 screw-type brass terminals on a non conductive terminal board.
- B. Acceptable Manufacturers are listed in the most current version of the Supplemental Technical Specifications.

### 2.06. MARKING POSTS

- A. All marking posts shall be Rhino FiberCurve™ with PolyTechCoating or equivalent fiber-composite marking posts. The color shall be standard blue for water and the length shall be a minimum 66-inches. The decals shall be UV stable, all-weather type with a no dig symbol in white and contrasting white and blue vertical lettering:

Butterfly and Gate Valves decals (Rhino GD-5226K) Blow-Offs decals (Rhino GD-5411K) Pipeline decals (Rhino GD-1333K).

- B. Acceptable Manufacturers are listed in the most current version of the Supplemental Technical Specifications.

#### 2.07. IDENTIFICATION TAPE

- A. Identification tape shall be manufactured of polyethylene with a minimum thickness of 4-mils. The tape shall be highly resistant to alkalis, acid and other destructive agents found in soil. Tape width shall be a minimum of 3 inches and a maximum of 6 inches and shall have a blue background color, imprinted with black letters. Imprint shall be “CAUTION CAUTION – WATER LINE BURIED BELOW” and shall repeat itself a minimum of once every 2 feet for entire length of the tape.

- B. Acceptable manufacturers are listed in the most current version of the Supplemental Technical Specifications.

#### 2.08. LOCATION WIRE

- A. Location wire shall be used at all pipe installations. Location wire shall be a direct burial #12 AWG (0.0808-inch diameter) fully annealed; high strength solid copper clad steel conductor (HS-CCS); insulated with a 30-mil high molecular weight, high density blue polyethylene jacket complying with ASTM D1248; and rated for direct burial use at 30 volts. HS-CCS conductor must be at 21% conductivity with 452-pound average tensile break load for open cut and 1150-pound average tensile break load for boring. Location wire may only be spliced with approved connectors.

- B. Acceptable manufacturers are listed in the most current version of the Supplemental Technical Specifications.

#### 2.09. RESTRAINED JOINT MARKING TAPE

- A. Restrained Joint Marking Tape shall be used when restrained joint pipe or fittings are installed. Joint restraint tape is specifically to warn Water Company workers/contractors that the water main joint is restrained. It is not to be used in place of regular marking tape.

- B. Restrained Joint Marking Tape shall be polyethylene 4-mil thick and 2 ½-inches wide with blue lettering on white background color and imprinted with the words “RESTRAINED JOINT” at 2-foot intervals. The tape shall have an adhesive backer. The tape shall be highly resistant to alkalis, acid and other destructive agents found in soil.

- C. Acceptable manufacturers are listed in the most current version of the Supplemental Technical Specifications.

## **PART 3: EXECUTION**

### **3.01. INSTALLATION**

Install “piping specialties” in accordance with the general provisions provided in Specification Section 15000 and the following:

#### **A. Polyethylene Encasement**

1. Encase piping in polyethylene as required to prevent contact with surrounding backfill and bedding material in all areas shown on the Drawings or designated by the Engineer.
2. Install the polyethylene wrap in accordance with DIPRA V-Bio Enhanced Polyethylene Encasement brochure found at:

<https://www.dipra.org/component/phocadownload/category/15-ductile-iron-pipe-research-association-brochures?download=56:v-bio-enhanced-polyethylene-encasement-brochure>

#### **B. Valve Boxes**

Valve boxes shall be supported so that no load can be transmitted from the valve box to the valve. See Standard Details. Using the Box Alignment Tool/Box Aligner according to the manufacturer’s instructions, make sure that the bottom of the box is centered over the operating nut and runs perpendicular to the horizontal prior to backfilling.

#### **C. Test/Tracer Wire Boxes**

Boxes shall be placed at areas designated in the Drawings and shall be flush with existing grade unless otherwise noted.

#### **D. Marker Posts**

Install Marker Posts per manufacturer guidelines and place at locations noted in the Drawings or as approved by Engineer.

#### **E. IDENTIFICATION TAPE, LOCATION WIRE, AND RESTRAINED JOINT MARKING TAPE**

1. Install in accordance with manufacturer’s installation instructions and as specified in the Contract Documents.
2. Install identification tape one foot above the top of the pipe.

3. Install location wire directly on top of the buried pipe.
4. Loop the location wire up the outside of valve box to one foot from the surface. Insert the wires into the valve box at that depth for connection to a locating device. The wire shall be one continuous piece from valve box to valve box up to 1250 feet maximum. When distance between valve boxes exceeds 1250 feet, or when shown on the Drawings, install tracer boxes near the mid-point of such lengths that no continuous piece of location wire exceeds 1250 feet.
5. Install the joint marking tape by adhering directly to the pipe as it is installed. The marking tape shall be installed along the entire length of pipe, including around the circumference of the bells of all fittings and valves. The pipe must be free of any foreign matter along the surface of the pipe for the marking tape installation. If clear polywrap is used, the restrained joint tape can be applied on the top of the pipe so long as it is visible. Otherwise the joint marking tape shall be applied on top of the polywrap and secured so the tape is not shifted by backfilling.
6. The tape does not adhere in wet or cold conditions. The tape should be stored in temperatures above 50 degrees F until the time of application. The pipe must be free of frost and moisture along the surface of the pipe receiving the tape.
7. Contractor and/or Owner shall test the performance of the location wire prior to conducting pavement or landscape restoration.

### 3.02. BASIS OF PAYMENT

The Work included in this Section is considered incidental to the installation of pipe, valves, and fittings.

END OF SECTION 15130

**SECTION 01700**

**PROJECT CLOSEOUT**

**PART 1: GENERAL**

**1.01 TESTING OF FACILITIES**

- A. Produce a first-class job and all Work shall be tested under operating conditions and pressures. Any leaks or malfunctions shall be repaired to the satisfaction of the Engineer at no additional expense to the Owner. This provision with reference to leakage shall also apply to water tightness of buildings.

**1.02 CLOSEOUT PROCEDURES**

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Engineer's inspection. Provide submittals to Engineer that are required by governing or other authorities. Submit Application for final payment identifying total adjusted Contract sum, previous payments, and sum remaining due.

**1.03 FINAL CLEANING**

- A. Execute final cleaning prior to final inspection. Clean debris from drainage systems. Clean site; sweep paved areas, rake clean landscape surfaces. Remove waste and surplus materials, rubbish, and construction facilities from the site.

**1.04 PROJECT RECORD DOCUMENTS**

- A. Maintain on site, one set of the following record documents; record actual revisions to the Work:
  - 1. Contract drawings
  - 2. Specifications
  - 3. Addenda
  - 4. Change orders and other modifications to the Contract
  - 5. Reviewed shop drawings, product data, and samples
- B. Store record documents separate from documents used for construction. Record information concurrent with construction progress.
- C. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
  - 1. Manufacturer's name and product model and number



2. Product substitutions or alternates utilized
  3. Changes made by addenda and modifications
- D. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including:
1. Measured depths of foundations in relation to finish floor datum.
  2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
  4. Field changes of dimension and detail.
  5. Details not on original Contract Drawings.
- E. Submit documents to Engineer with final Application for Payment.

#### **1.05 SPARE PARTS AND MAINTENANCE MATERIALS**

- A. Provide products, spare parts, maintenance and extra materials in quantities specified in individual specification sections.

#### **1.06 GUARANTEES AND WARRANTIES**

- A. The Contractor expressly warrants that all workmanship and materials performed or furnished under this Contract will conform to the Specifications, Drawings, samples and other applicable descriptions furnished or adopted by the Contractor and with all applicable laws, provisions and requirements of the Contract Documents. The Contractor shall remedy any defects due to faulty materials or workmanship which shall appear within a period of one (1) year from the date of acceptance of the work hereunder and pay for any damage to other work resulting therefrom. The Owner shall give notice of observed defects with reasonable promptness. The Contractor warranty hereunder is in addition to, and not in limitation of, any obligations found elsewhere in the Contract Documents, any special guarantees provided by the Contractor or his suppliers, and any obligations imposed by law.
- B. In addition to the above requirements, the Contractor shall assign material and equipment guarantees and warranties from all manufacturers and suppliers to the Owner and deliver copies of such guarantees and warranties and the assignments thereof to the Owner in order to assure the Owner of the full benefit of such guarantees and warranties.

#### **1.07 RESTORATION**

- A. Restore and/or replace paving, curbing, sidewalks, gutters, shrubbery, fences, sod or other disturbed surfaces and structures to a condition equal to that before the work

began and to the satisfaction of the Engineer and shall furnish all labor and materials incidental thereto.

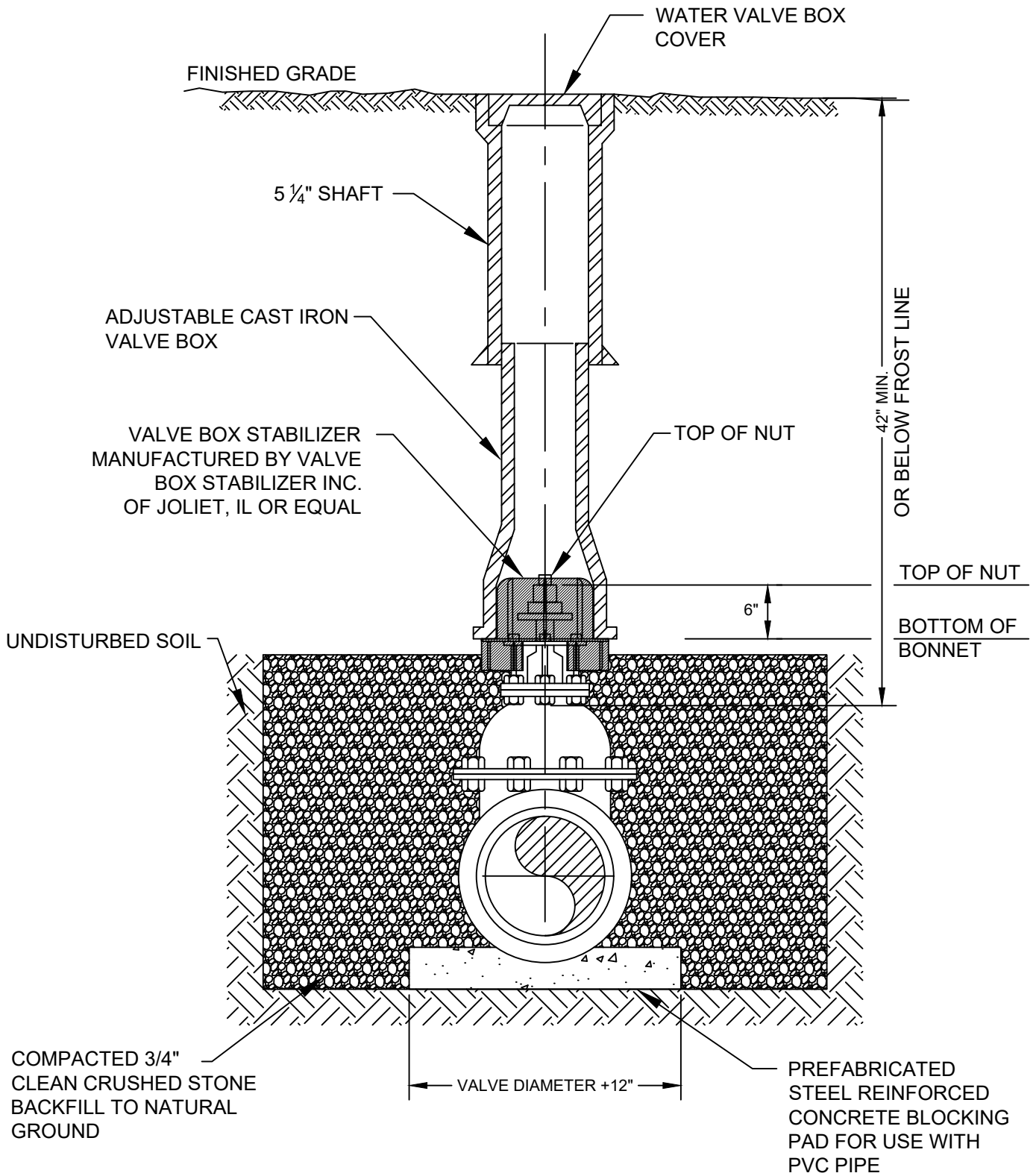
**PART 2: PRODUCTS**

Not Used.

**PART 3: EXECUTION**

Not Used.

END OF SECTION



**NOTE:**

6"x6" WOOD BLOCK MAY BE USED AS VALVE PAD WHERE APPROVED BY ENGINEER.

04-08-11  
ADDED VALVE BOX  
STABILIZER.

<b>AMERICAN WATER STANDARD CIVIL VALVE BOX INSTALLATION FOR FROST AREAS DETAIL</b>	
AMERICAN WATER VOORHEES, NJ 08043	
AMERICAN WATER ENGINEERING 3906 CHURCH ROAD MOUNT LAUREL, NJ 08054	
DRAWN BY: RJB PROJECT ENGR APPROVED	DATE: 10-04-07 PROJECT: IP
USE DIMENSIONS ONLY SCALE: N.T.S.	
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
<b>0201-0601-SD59</b>	

**SECTION E**

IDOT Special Provisions

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2022

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

No ERRATA this year.

SUPPLEMENTAL SPECIFICATIONS

Std. Spec. Sec.

Page No.

No Supplemental Specifications this year.

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an “X” are applicable to this contract and are included by reference:

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3	EEO .....	5
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5	Required Provisions - State Contracts .....	20
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7	Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal .....	27
8	Temporary Stream Crossings and In-Stream Work Pads .....	28
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LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

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# Check Sheet for Recurring Special Provisions



Local Public Agency	County	Section Number
City of Urbana	Champaign	21-00637-00-RS

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

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

### Recurring Special Provisions

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



City of Urbana

Champaign

21-00637-00-RS

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

Local Roads And Streets Recurring Special Provisions

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LRS 2	<input type="checkbox"/> Furnished Excavation	102
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LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones	104
LRS 5	<input checked="" type="checkbox"/> Contract Claims	105
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	106
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	112
LRS 8	<b>Reserved</b>	118
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	119
LRS 10	<b>Reserved</b>	123
LRS 11	<input checked="" type="checkbox"/> Employment Practices	124
LRS 12	<input checked="" type="checkbox"/> Wages of Employees on Public Works	126
LRS 13	<input checked="" type="checkbox"/> Selection of Labor	128
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	129
LRS 15	<input checked="" type="checkbox"/> Partial Payments	132
LRS 16	<input type="checkbox"/> Protests on Local Lettings	133
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program	134
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	135
LRS 19	<input type="checkbox"/> Reflective Crack Control Treatment	136

BDE SPECIAL PROVISIONS  
For the April 29, 2022 and June 17, 2022 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An \* indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
	80099	1	<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	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 Device	Jan. 1, 2008	
	80173	4	<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
	80436	6	<input type="checkbox"/> Blended Finely Divided Minerals	April 1, 2021	
	80241	7	<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
	50261	8	<input type="checkbox"/> Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50481	9	<input type="checkbox"/> Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50491	10	<input type="checkbox"/> Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	50531	11	<input type="checkbox"/> Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
	80384	12	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
	80198	13	<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
	80199	14	<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	15	<input type="checkbox"/> Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	16	<input type="checkbox"/> Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80261	17	<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80434	18	<input type="checkbox"/> Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
	80029	19	<input type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
	80229	20	<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80433	21	<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80422	22	<input type="checkbox"/> High Tension Cable Median Barrier	Jan. 1, 2020	Jan. 1, 2022
*	80443	23	<input type="checkbox"/> High Tension Cable Median Barrier Removal	April 1, 2022	
*	80444	24	<input type="checkbox"/> Hot-Mix Asphalt – Patching	April 1, 2022	
	80442	25	<input checked="" type="checkbox"/> Hot-Mix Asphalt – Start of Production	Jan. 1, 2022	
	80438	26	<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	Sept. 2, 2021
	80411	27	<input type="checkbox"/> Luminaires, LED	April 1, 2019	Jan. 1, 2022
	80045	28	<input type="checkbox"/> Material Transfer Device	June 15, 1999	Jan. 1, 2022
	80418	29	<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
	80430	30	<input type="checkbox"/> Portland Cement Concrete – Haul Time	July 1, 2020	
	34261	31	<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80395	32	<input type="checkbox"/> Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
	80340	33	<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	34	<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	35	<input type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	36	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	37	<input type="checkbox"/> Submission of Payroll Records	April 1, 2021	
	80435	38	<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2022
	80410	39	<input type="checkbox"/> Traffic Spotters	Jan. 1, 2019	
	20338	40	<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80318	41	<input type="checkbox"/> Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
	80429	42	<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	43	<input checked="" type="checkbox"/> Vehicle and Equipment Warning Lights	Nov. 1, 2021	
	80440	44	<input type="checkbox"/> Waterproofing Membrane System	Nov. 1, 2021	
	80302	45	<input type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80427	46	<input checked="" type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	
	80071	47	<input type="checkbox"/> Working Days	Jan. 1, 2002	

The following special provisions are in the 2022 Standard 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>
80425	Cape Seal	Sections 405, 1003	Jan. 1, 2020	Jan. 1, 2021
80387	Contrast Preformed Plastic Pavement Marking	Articles 780.08, 1095.03	Nov. 1, 2017	
80402	Disposal Fees	Article 109.04(b)	Nov. 1, 2018	
80378	Dowel Bar Inserter	Articles 420.03, 420.05, 1103.20	Jan. 1, 2017	Jan. 1, 2018
80421	Electric Service Installation	Articles 804.04, 804.05	Jan. 1, 2020	
80415	Emulsified Asphalts	Article 1032.06	Aug. 1, 2019	
80423	Engineer's Field Office and Laboratory	Section 670	Jan. 1, 2020	
80417	Geotechnical Fabric for Pipe Underdrains and French Drains	Articles 1080.01(a), 1080.05	Nov. 1, 2019	
80420	Geotextile Retaining Walls	Article 1080.06(d)	Nov. 1, 2019	
80304	Grooving for Recessed Pavement Markings	Articles 780.05, 780.14, 780.15	Nov. 1, 2012	Nov. 1, 2020
80416	Hot-Mix Asphalt – Binder and Surface Course	Sections 406, 1003, 1004, 1030, 1101	July 2, 2019	Nov. 1, 2019
80398	Hot-Mix Asphalt – Longitudinal Joint Sealant	Sections 406, 1032	Aug. 1, 2018	Nov. 1, 2019
80406	Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Sections 406, 1030	Jan. 1, 2019	Jan. 2, 2021
80347	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Sections 406, 1030	Nov. 1, 2014	July 2, 2019
80383	Hot-Mix Asphalt – Quality Control for Performance	Sections 406, 1030	April 1, 2017	July 2, 2019
80393	Manholes, Valve Vaults, and Flat Slab Tops	Articles 602.02, 1042.10	Jan. 1, 2018	Mar. 1, 2019
80424	Micro-Surfacing and Slurry Sealing	Sections 404, 1003	Jan. 1, 2020	Jan. 1, 2021
80428	Mobilization	Article 671.02	April 1, 2020	
80412	Obstruction Warning Luminaires, LED	Sections 801, 822, 1067	Aug. 1, 2019	
80359	Portland Cement Concrete Bridge Deck Curing	Articles 1020.13, 1022.03	April 1, 2015	Nov. 1, 2019
80431	Portland Cement Concrete Pavement Patching	Articles 701.17(e)(3)b, 1001.01(d), 1020.05(b)(5)	July 1, 2020	
80432	Portland Cement Concrete Pavement Placement	Article 420.07	July 1, 2020	
80300	Preformed Plastic Pavement Marking Type D - Inlaid	Articles 780.08, 1095.03	April 1, 2012	April 1, 2016
80157	Railroad Protective Liability Insurance (5 and 10)	Article 107.11	Jan. 1, 2006	
80306	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Section 1031	Nov. 1, 2012	Jan. 2, 2021
80407	Removal and Disposal of Regulated Substances	Section 669	Jan. 1 2019	Jan. 1, 2020
80419	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Articles 280.02, 280.04, 1080.02, 1080.03, 1081.15	Nov. 1, 2019	July 1, 2021
80408	Steel Plate Beam Guardrail Manufacturing	Article 1006.25	Jan. 1, 2019	
80413	Structural Timber	Article 1007.03	Aug. 1, 2019	
80298	Temporary Pavement Marking	Section 703, Article 1095.06	April 1, 2012	April 1, 2017
80409	Traffic Control Devices – Cones	Article 701.15(a), 1106.02(b)	Jan. 1, 2019	
80288	Warm Mix Asphalt	Sections 406, 1030, 1102	Jan. 1, 2012	April 1, 2016
80414	Wood Fence Sight Screen	Article 641.02	Aug. 1, 2019	April 1, 2020

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

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

## **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."

## **HOT-MIX ASPHALT – START OF PRODUCTION (BDE)**

Effective: January 1, 2022

Add the following paragraph between the third and four paragraphs of Article 1030.10 of the Standard Specifications:

“When a test strip is not required, each HMA mixture with a quantity of 3,000 tons (2,750 metric tons) or more shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4).”

80442



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

Effective: November 2, 2017

Revised: April 1, 2019

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

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

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

80391

## **VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)**

Effective: November 1, 2021

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

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. The lights shall be in operation while the vehicle or equipment is engaged in construction operations.”

80439

## WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports ..... 1106.02”

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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:

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

State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads and Streets

SPECIAL PROVISION  
FOR  
BITUMINOUS MATERIALS COST ADJUSTMENT FOR LOCAL LETTINGS

(RETURN FORM WITH BID)

Effective: June 16, 2017

Revised:

Description. Bituminous material cost adjustments will be made to provide additional compensation to the Contractor, or credit to the project owner, for fluctuations in the cost of bituminous materials when optioned by the Contractor. The bidder shall indicate on the attached form whether or not this special provision will be part of the contract and submit the completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments.

The adjustments shall apply to permanent and temporary hot-mix asphalt (HMA) mixtures, bituminous surface treatments (cover and seal coats), and preventative maintenance type surface treatments that are part of the original proposed construction, or added as extra work and paid for by agreed unit prices. The adjustments shall not apply to bituminous prime coats, tack coats, crack filling/sealing, joint filling/sealing, or extra work paid for at a lump sum price or by force account.

Method of Adjustment. Bituminous materials cost adjustments will be computed as follows.

$$CA = (BPI_P - BPI_L) \times (\%AC_V / 100) \times Q$$

Where: CA = Cost Adjustment, \$.

BPI<sub>P</sub> = Bituminous Price Index, as published by the Department of Transportation for the month the work is performed, \$/ton (\$/metric ton).

BPI<sub>L</sub> = Bituminous Price Index, as published by the Department of Transportation for the month prior to the letting for work paid for at the contract price; or for the month the agreed unit price letter is submitted by the Contractor for extra work paid for by agreed unit price, \$/ton (\$/metric ton).

%AC<sub>V</sub> = Percent of virgin Asphalt Cement in the Quantity being adjusted. For HMA mixtures, the % AC<sub>V</sub> will be determined from the adjusted job mix formula. For bituminous materials applied, a performance graded or cutback asphalt will be considered to be 100% AC<sub>V</sub> and undiluted emulsified asphalt will be considered to be 65% AC<sub>V</sub>.

Q = Authorized construction Quantity, tons (metric tons) (see below).

For HMA mixtures measured in square yards:  $Q, \text{ tons} = A \times D \times (G_{mb} \times 46.8) / 2000$ . For HMA mixtures measured in square meters:  $Q, \text{ metric tons} = A \times D \times (G_{mb} \times 1) / 1000$ . When computing adjustments for full-depth HMA pavement, separate calculations will be made for the binder and surface courses to account for their different  $G_{mb}$  and  $\% AC_V$ .

For bituminous materials measured in gallons:  $Q, \text{ tons} = V \times 8.33 \text{ lb/gal} \times SG / 2000$   
For bituminous materials measured in liters:  $Q, \text{ metric tons} = V \times 1.0 \text{ kg/L} \times SG / 1000$

Where: A = Area of the HMA mixture, sq yd (sq m).  
D = Depth of the HMA mixture, in. (mm).  
 $G_{mb}$  = Average bulk specific gravity of the mixture, from the approved mix design.  
V = Volume of the bituminous material, gal (L).  
SG = Specific Gravity of bituminous material as shown on the bill of lading.

Basis of Payment. Bituminous materials cost adjustments may be positive or negative but will only be made when there is a difference between the  $BPI_L$  and  $BPI_P$  in excess of five percent, as calculated by:

$$\text{Percent Difference} = \{(BPI_L - BPI_P) \div BPI_L\} \times 100$$

Bituminous materials cost adjustments will be calculated for each calendar month in which applicable bituminous material is placed; and will be paid or deducted when all other contract requirements for the work placed during the month are satisfied. The adjustments shall not apply during contract time subject to liquidated damages for completion of the entire contract.

Return With Bid

## OPTION FOR BITUMINOUS MATERIALS COST ADJUSTMENT

The bidder shall submit this completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments. After award, this form, when submitted, shall become part of the contract.

**Contract No.:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Contractor's Option:**

Is your company opting to include this special provision as part of the contract?

Yes

No

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_



State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads and Streets

SPECIAL PROVISION  
FOR  
FUEL COST ADJUSTMENT FOR LOCAL LETTINGS

(RETURN FORM WITH BID)

Effective: June 16, 2017

Revised:

Description. Fuel cost adjustments will be made to provide additional compensation to the Contractor, or a credit to the project owner, for fluctuations in fuel prices when optioned by the Contractor. The bidder shall indicate on the attached form whether or not this special provision will be part of the contract and submit the completed form with his/her bid. Failure to submit the form or failure to indicate contract number, company name and sign and date the form shall make this contract exempt of fuel cost adjustments for all categories of work. Failure to indicate "Yes" for any category of work will make that category of work exempt from fuel cost adjustment.

General. The fuel cost adjustment shall apply to contract pay items as grouped by category. The adjustment shall only apply to those categories of work checked "Yes", and only when the cumulative plan quantities for a category exceed the required threshold. Adjustments to work items in a category, either up or down, and extra work paid for by agreed unit price will be subject to fuel cost adjustment only when the category representing the added work was subject to the fuel cost adjustment. Extra work paid for at a lump sum price or by force account will not be subject to fuel cost adjustment. Category descriptions and thresholds for application and the fuel usage factors which are applicable to each are as follows:

(a) Categories of Work.

- (1) Category A: Earthwork. Contract pay items performed under Sections 202, 204, and 206 of the IDOT Standard Specifications for Road and Bridge Construction including any modified standard or nonstandard items where the character of the work to be performed is considered earthwork. The cumulative total of all applicable item plan quantities shall exceed 25,000 cu yd (20,000 cu m). Included in the fuel usage factor is a weighted average 0.10 gal/cu yd (0.50 liters/cu m) factor for trucking.
- (2) Category B: Subbases and Aggregate Base Courses. Contract pay items constructed under Sections 311, 312 and 351 of the IDOT Standard Specifications for Road and Bridge Construction including any modified standard or nonstandard items where the character of the work to be performed is considered construction of a subbase or aggregate, stabilized or modified base course. The cumulative total of all applicable item plan quantities shall exceed 5000 tons (4500 metric tons). Included in the fuel usage factor is a 0.60 gal/ton (2.50 liters/metric ton) factor for trucking.

- (3) Category C: Hot-Mix Asphalt (HMA) Bases, Pavements and Shoulders. Contract pay items constructed under Sections 355, 406, 407 and 482 of the IDOT Standard Specifications for Road and Bridge Construction including any modified standard or nonstandard items where the character of the work to be performed is considered HMA bases, pavements and shoulders. The cumulative total of all applicable item plan quantities shall exceed 5000 tons (4500 metric tons). Included in the fuel usage factor is 0.60 gal/ton (2.50 liters/metric ton) factor for trucking.
- (4) Category D: Portland Cement Concrete (PCC) Bases, Pavements and Shoulders. Contract pay items constructed under Sections 353, 420, 421 and 483 of the IDOT Standard Specifications for Road and Bridge Construction including any modified standard or nonstandard items where the character of the work to be performed is considered PCC base, pavement or shoulder. The cumulative total of all applicable item plan quantities shall exceed 7500 sq yd (6000 sq m). Included in the fuel usage factor is 1.20 gal/cu yd (5.94 liters/cu m) factor for trucking.
- (5) Category E: Structures. Structure items having a cumulative bid price that exceeds \$250,000 for pay items constructed under Sections 502, 503, 504, 505, 512, 516 and 540 of the IDOT Standard Specifications for Road and Bridge Construction including any modified standard or nonstandard items where the character of the work to be performed is considered structure work when similar to that performed under these sections and not included in categories A through D.

(b) Fuel Usage Factors.

English Units Category	Factor	Units
A - Earthwork	0.34	gal / cu yd
B – Subbase and Aggregate Base courses	0.62	gal / ton
C – HMA Bases, Pavements and Shoulders	1.05	gal / ton
D – PCC Bases, Pavements and Shoulders	2.53	gal / cu yd
E – Structures	8.00	gal / \$1000

Metric Units Category	Factor	Units
A - Earthwork	1.68	liters / cu m
B – Subbase and Aggregate Base courses	2.58	liters / metric ton
C – HMA Bases, Pavements and Shoulders	4.37	liters / metric ton
D – PCC Bases, Pavements and Shoulders	12.52	liters / cu m
E – Structures	30.28	liters / \$1000

(c) Quantity Conversion Factors.

Category	Conversion	Factor
B	sq yd to ton	0.057 ton / sq yd / in depth
	sq m to metric ton	0.00243 metric ton / sq m / mm depth
C	sq yd to ton	0.056 ton / sq yd / in depth
	sq m to metric ton	0.00239 m ton / sq m / mm depth
D	sq yd to cu yd	0.028 cu yd / sq yd / in depth
	sq m to cu m	0.001 cu m / sq m / mm depth

Method of Adjustment. Fuel cost adjustments will be computed as follows.

$$CA = (FPI_P - FPI_L) \times FUF \times Q$$

Where: CA = Cost Adjustment, \$

FPI<sub>P</sub> = Fuel Price Index, as published by the Department of Transportation for the month the work is performed, \$/gal (\$/liter)

FPI<sub>L</sub> = Fuel Price Index, as published by the Department of Transportation for the month prior to the letting for work paid for at the contract price; or for the month the agreed unit price letter is submitted by the Contractor for extra work paid for by agreed unit price, \$/gal (\$/liter)

FUF = Fuel Usage Factor in the pay item(s) being adjusted

Q = Authorized construction Quantity, tons (metric tons) or cu yd (cu m)

The entire FUF indicated in paragraph (b) will be used regardless of use of trucking to perform the work.

Basis of Payment. Fuel cost adjustments may be positive or negative but will only be made when there is a difference between the FPI<sub>L</sub> and FPI<sub>P</sub> in excess of five percent, as calculated by:

$$\text{Percent Difference} = \{(FPI_L - FPI_P) \div FPI_L\} \times 100$$

Fuel cost adjustments will be calculated for each calendar month in which applicable work is performed; and will be paid or deducted when all other contract requirements for the items of work are satisfied. The adjustments shall not apply during contract time subject to liquidated damages for completion of the entire contract.

Return With Bid

## OPTION FOR FUEL COST ADJUSTMENT

The bidder shall submit this completed form with his/her bid. Failure to submit the form or properly complete contract number, company name, and sign and date the form shall make this contract exempt of fuel cost adjustments in all categories. Failure to indicate "Yes" for any category of work at the time of bid will make that category of work exempt from fuel cost adjustment. After award, this form, when submitted shall become part of the contract.

**Contract No.:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Contractor's Option:**

Is your company opting to include this special provision as part of the contract plans for the following categories of work?

- |                                                |     |                          |
|------------------------------------------------|-----|--------------------------|
| Category A Earthwork.                          | Yes | <input type="checkbox"/> |
| Category B Subbases and Aggregate Base Courses | Yes | <input type="checkbox"/> |
| Category C HMA Bases, Pavements and Shoulders  | Yes | <input type="checkbox"/> |
| Category D PCC Bases, Pavements and Shoulders  | Yes | <input type="checkbox"/> |
| Category E Structures                          | Yes | <input type="checkbox"/> |

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads & Streets  
SPECIAL PROVISION  
FOR  
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA  
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

**“1030.06 Quality Management Program.** The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
<input type="checkbox"/>	Cores
<input checked="" type="checkbox"/>	Nuclear Density Gauge (Correlated when paving $\geq$ 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

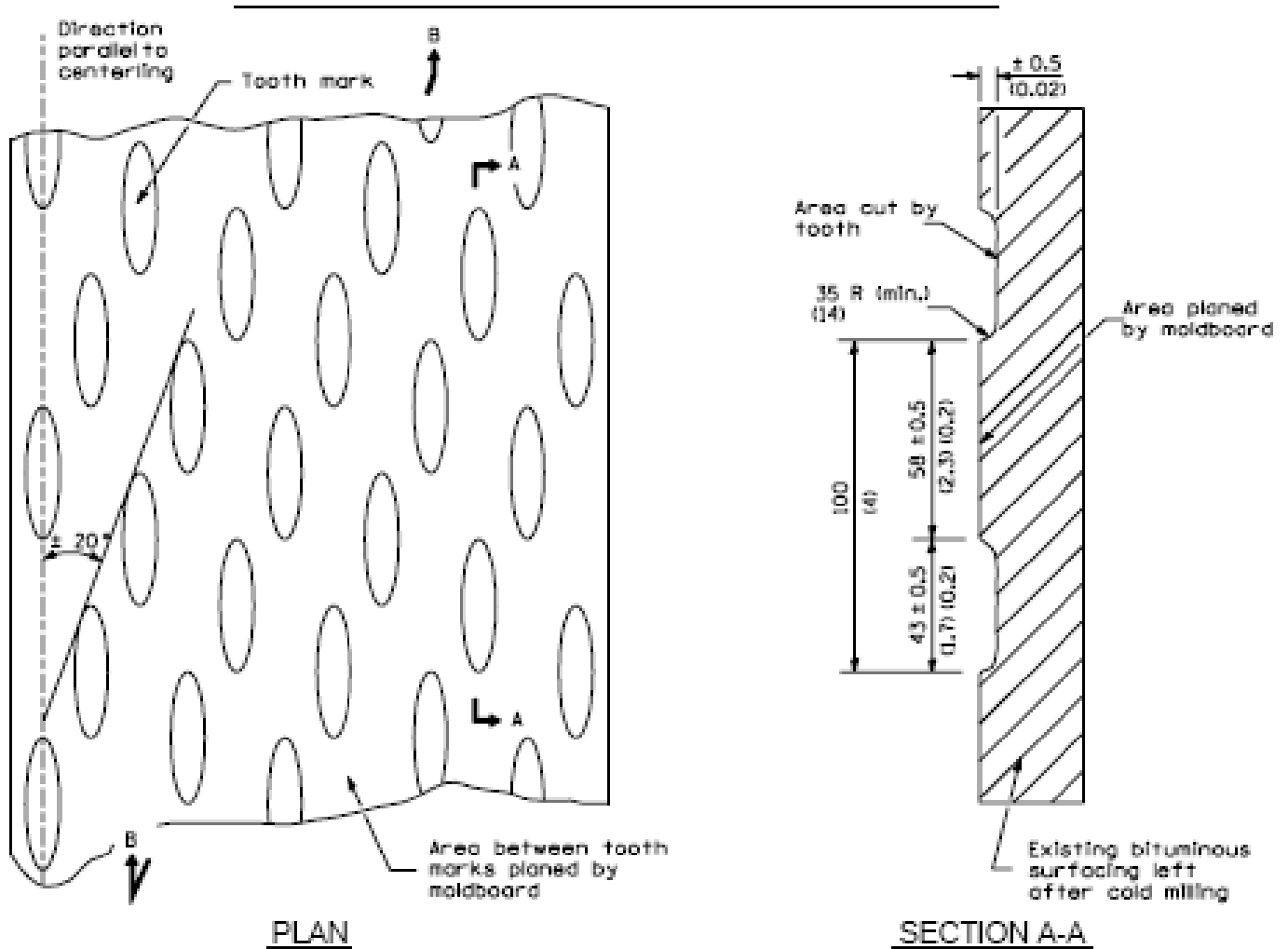
A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

**REQUIRED COLD MILLED SURFACE TEXTURE**

Effective: November 1, 1987  
Revised: January 1, 2007



**GENERAL NOTES**


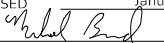
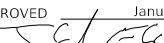
1. Cold Milling shall consist of two processes:
  - Cutting with carbide teeth mounted on a rotating drum, and
  - Planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a portion of discontinuous longitudinal striations.
3. All dimensions are in millimeters (inches) unless otherwise shown.

**SECTION F**

Standard Details



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	PE	PRIVATE ENTRANCE	T	TANGENT DISTANCE
B-B	BACK TO BACK	DRV	DRIVEWAY	IDS	INTERSECTION DESIGN STUDY	PROF	PROFILE	T.R.	TANGENT RUNOUT DISTANCE
BKPL	BACKPLATE	DCT	DUCT	INV	INVERT	PGL	PROFILE GRADELINE	TEL	TELEPHONE
B	BARN	EA	EACH	IP	IRON PIPE	PROJ	PROJECT	TB	TELEPHONE BOX
BARR	BARRICADE	EB	EASTBOUND	IR	IRON ROD	P.C.	PROPERTY CORNER	TP	TELEPHONE POLE
BL	BASELINE	EOP	EDGE OF PAVEMENT	JT	JOINT	PL	PROPERTY LINE	TEMP	TEMPORARY
BGN	BEGIN	E-CL	EDGE TO CENTERLINE	kg	KILOGRAM	PR	PROPOSED	TBM	TEMPORARY BENCH MARK
BM	BENCHMARK	E-E	EDGE TO EDGE	km	KILOMETER	R	RADIUS or RESIDENTIAL	TD	TILE DRAIN
BIND	BINDER	ELEC	ELECTRICAL	LS	LANDSCAPING	RR	RAILROAD	TBE	TO BE EXTENDED
BIT	BITUMINOUS	EL	ELEVATION	LN	LANE	RRS	RAILROAD SPIKE	TBR	TO BE REMOVED
BTM	BOTTOM	ENTR	ENTRANCE	LT	LEFT	RPS	REFERENCE POINT STAKE	TBS	TO BE SAVED
BLVD	BOULEVARD	EXC	EXCAVATION	LIDAR	LIGHT DETECTION AND RANGING	REF	REFLECTIVE	TWP	TOWNSHIP
BRK	BRICK	EX	EXISTING	LP	LIGHT POLE	RCCP	REINFORCED CONCRETE CULVERT PIPE	TR	TOWNSHIP ROAD
BBOX	BUFFALO BOX	EXPWAY	EXPRESSWAY	LGT	LIGHTING	REINF	REINFORCEMENT	TS	TRAFFIC SIGNAL
BLDG	BUILDING	E	EXTERNAL DISTANCE OF HORIZONTAL CURVE	LF	LINEAL FEET OR LINEAR FEET	REM	REMOVAL	TSCB	TRAFFIC SIGNAL CONTROL BOX
CATV	CABLE	E	OFFSET DISTANCE TO VERTICAL CURVE	L	LITER OR CURVE LENGTH	RC	REMOVE CROWN	TSC	TRAFFIC SYSTEMS CENTER
CIP	CAST IRON PIPE	F-F	FACE TO FACE	LC	LONG CHORD	REP	REPLACEMENT	TRVS	TRANSVERSE
CB	CATCH BASIN	FA	FEDERAL AID	LNG	LONGITUDINAL	REST	RESTAURANT	TRVL	TRAVEL
C-C	CENTER TO CENTER	FAI	FEDERAL AID INTERSTATE	L SUM	LUMP SUM	RESURF	RESURFACING	TRN	TURN
CL	CENTERLINE OR CLEARANCE	FAP	FEDERAL AID PRIMARY	MACH	MACHINE	RET	RETAINING	TY	TYPE
CL-E	CENTERLINE TO EDGE	FAS	FEDERAL AID SECONDARY	MB	MAIL BOX	RT	RIGHT	T-A	TYPE A
CL-F	CENTERLINE TO FACE	FAUS	FEDERAL AID URBAN SECONDARY	MH	MANHOLE	ROW	RIGHT-OF-WAY	TYP	TYPICAL
CTS	CENTERS	FP	FENCE POST	MATL	MATERIAL	RD	ROAD	UNDGND	UNDERGROUND
CERT	CERTIFIED	OPT	FIBER OPTIC	MED	MEDIAN	RDWY	ROADWAY	USGS	U.S. GEOLOGICAL SURVEY
CHSLD	CHISELED	FE	FIELD ENTRANCE	m	METER	RTE	ROUTE	USEL	UPSTREAM ELEVATION
CS	CITY STREET	FH	FIRE HYDRANT	METH	METHOD	SAN	SANITARY	USFL	UPSTREAM FLOWLINE
CP	CLAY PIPE	FL	FLOW LINE	M	MID-ORDINATE	SANS	SANITARY SEWER	UTIL	UTILITY
CLSD	CLOSED	FB	FOOT BRIDGE	mm	MILLIMETER	SEC	SECTION	VBOX	VALVE BOX
CLID	CLOSED LID	FDN	FOUNDATION	mm DIA	MILLIMETER DIAMETER	SEED	SEEDING	VV	VALVE VAULT
CT	COAT OR COURT	FR	FRAME	MIX	MIXTURE	SHAP	SHAPING	VL	VAULT
COMB	COMBINATION	F&G	FRAME & GRATE	MBH	MOBILE HOME	S	SHED	VEH	VEHICLE
C	COMMERCIAL BUILDING	FRWAY	FREEWAY	MOD	MODIFIED	SH	SHEET	VP	VENT PIPE
CE	COMMERCIAL ENTRANCE	GAL	GALLON	MFT	MOTOR FUEL TAX	SHLD	SHOULDER	VERT	VERTICAL
CONC	CONCRETE	GALV	GALVANIZED	N & BC	NAIL & BOTTLE CAP	SW	SIDEWALK OR SOUTHWEST	VC	VERTICAL CURVE
CONST	CONSTRUCT	G	GARAGE	N & C	NAIL & CAP	SIG	SIGNAL	VPC	VERTICAL POINT OF CURVATURE
CONTD	CONTINUED	GM	GAS METER	N & W	NAIL & WASHER	SOD	SODDING	VPI	VERTICAL POINT OF INTERSECTION
CONT	CONTINUOUS	GV	GAS VALVE	NC	NORMAL CROWN	SM	SOLID MEDIUM	VPT	VERTICAL POINT OF TANGENCY
COR	CORNER	GIS	GEOGRAPHICAL INFORMATION SYSTEM	NB	NORTHBOUND	SB	SOUTHBOUND	WM	WATER METER
CORR	CORRUGATED	GRAN	GRANULAR	NE	NORTHEAST	SE	SOUTHEAST	VV	WATER VALVE
CMP	CORRUGATED METAL PIPE	GR	GRATE	NW	NORTHWEST	SPL	SPECIAL	WMAIN	WATER MAIN
CNTY	COUNTY	GRVL	GRAVEL	O/S	OFFSET	SD	SPECIAL DITCH	WB	WESTBOUND
CH	COUNTY HIGHWAY	GND	GROUND	O&C	OIL AND CHIP	SQ FT	SQUARE FEET	WILDFL	WILDFLOWERS
CSE	COURSE	GUT	GUTTER	OLID	OPEN LID	m <sup>2</sup>	SQUARE METER	W	WITH
XSECT	CROSS SECTION	GP	GUY POLE	PAT	PATTERN	mm <sup>2</sup>	SQUARE MILLIMETER	WO	WITHOUT
m <sup>3</sup>	CUBIC METER	GW	GUY WIRE	PVD	PAVED	SQ YD	SQUARE YARD		
mm <sup>3</sup>	CUBIC MILLIMETER	HH	HANDHOLE	PVMT	PAVEMENT	STB	STABILIZED		

 Illinois Department of Transportation	
PASSED <u>                    </u> January 1, 2021  ENGINEER OF POLICY AND PROCEDURES	ISSUED 1-1-97
APPROVED <u>                    </u> January 1, 2021  ENGINEER OF DESIGN AND ENVIRONMENT	


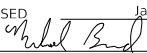
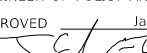
DATE	REVISIONS
1-1-21	Updated fonts, abbreviations and symbols.
1-1-19	Added new symbols.

# STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 1 of 9)

**STANDARD 000001-08**

<u>ADJUSTMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>ALIGNMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>DRAINAGE ITEMS</u>		<u>EX</u>	<u>PR</u>
Structure To Be Adjusted			ADJ	Baseline	_____	_____		Channel or Stream Line	-----	-----	
Structure To Be Cleaned			C	Centerline	-----	-----		Culvert Line	-----	-----	
Main Structure To Be Filled			FM	Centerline Break Circle	o	o		Grading & Shaping Ditches	-----	-----	
Structure To Be Filled			F	Baseline Symbol	BL	BL		Drainage Boundary Line	////	////	
Structure To Be Filled Special			FSP	Centerline Symbol	CL	CL		Paved Ditch	=====	=====	
Structure To Be Removed			R	PI Indicator	Δ	Δ		Aggregate Ditch	=====	=====	
Structure To Be Reconstructed			REC	Point Indicator	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=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=		Storm Sewer	=====	=====	
Frame and Grate To Be Adjusted			A	<u>BOUNDARIES ITEMS</u>		<u>EX</u>	<u>PR</u>	Flowline	FL	FL	
Frame and Lid To Be Adjusted			A	Dashed Property Line	-----	-----		Ditch Check	◆	◆	
Domestic Service Box To Be Adjusted			A	Solid Property/Lot Line	_____	_____		Headwall	-	∩	
Valve Vault To Be Adjusted			A	Section/Grant Line	-----	-----		Inlet	□	■	
Special Adjustment			SP	Quarter Section Line	-----	-----		Manhole	⊙	⊙	
Item To Be Abandoned			AB	Quarter/Quarter Section Line	-----	-----		Summit	↔	↔	
Item To Be Moved			M	County/Township Line	-----	-----		Roadway Ditch Flow	~→	~→	
Item To Be Relocated			REL	State Line	-----	-----		Swale	→	→	
Pavement Removal and Replacement				Chiseled Square Found	□	□		Catch Basin	○	●	
				Iron Pipe Found	○	●		Culvert End Section	◁	◁	
				Iron Pipe Set	●	●		Water Surface Indicator	▽	▽	
				Survey Marker	◐	◐		Riprap	▒	▒	
				Property Line Symbol	PL	PL		<u>HYDRAULICS ITEMS</u>		<u>EX</u>	<u>PR</u>
				Same Ownership Symbol (Half Size)	↗	↗		Overflow	↪	↪	
				Northwest Quarter Corner (Half Size)	⊙	⊙		Sheet Flow	→	→	
				Section Corner (Half Size)	⊙	⊙		Hydrant Outlet	→	→	
				Southeast Quarter Corner (Half Size)	⊙	⊙		<b>STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS</b> (Sheet 2 of 9) <b>STANDARD 000001-08</b>			


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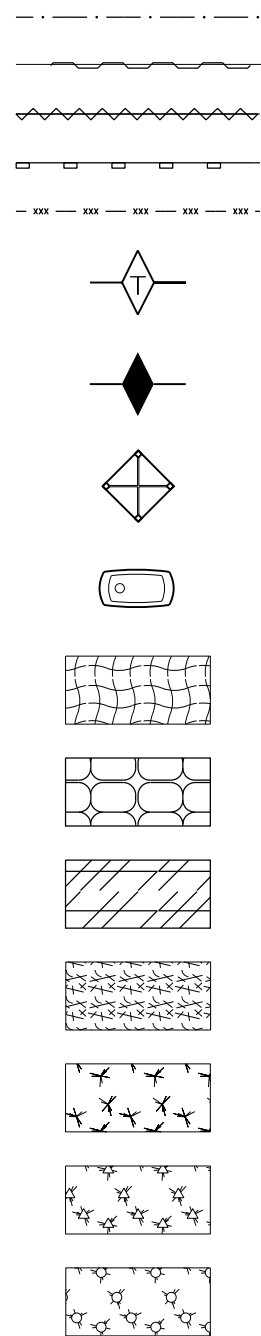
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**EROSION & SEDIMENT CONTROL ITEMS**

**EX**

**PR**

- Cleaning & Grading Limits
- Dike
- Erosion Control Fence
- Perimeter Erosion Barrier
- Temporary Fence
- Ditch Check Temporary
- Ditch Check Permanent
- Inlet & Pipe Protection
- Sediment Basin
- Erosion Control Blanket
- Fabric Formed Concrete Revetment Mat
- Turf Reinforcement Mat
- Mulch Temporary
- Mulch Method 1
- Mulch Method 2 Stabilized
- Mulch Method 3 Hydraulic

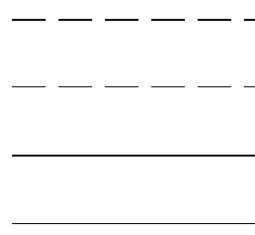


**CONTOUR ITEMS**

**EX**

**PR**

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

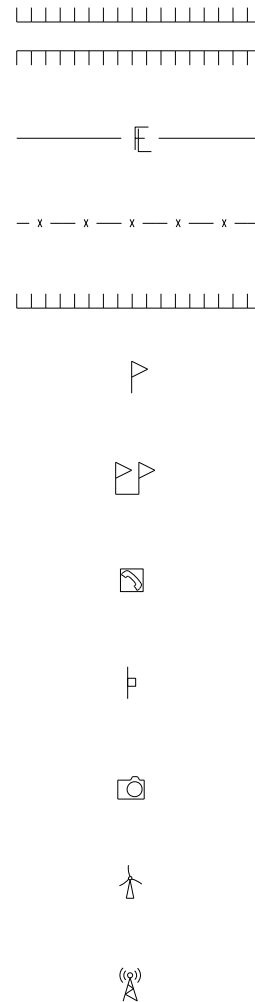


**NON-HIGHWAY IMPROVEMENT ITEMS**

**EX**

**PR**

- Noise Attn./Levee
- Field Line
- Fence
- Base of Levee
- Mailbox
- Multiple Mailboxes
- Pay Telephone
- Advertising Sign
- ITS\* Camera
- Wind Turbine
- Cellular Tower



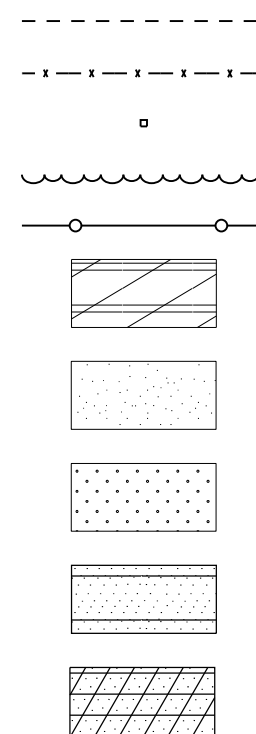
\*Intelligent Transportation Systems

**LANDSCAPING ITEMS**

**EX**

**PR**

- Contour Mounding Line
- Fence
- Fence Post
- Shrubs
- Mowline
- Perennial Plants
- Seeding Class 2
- Seeding Class 2A
- Seeding Class 4
- Seeding Class 4 & 5 Combined

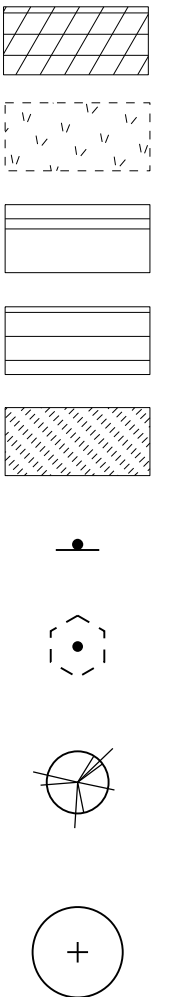


**EXISTING LANDSCAPING ITEMS (contd.)**

**EX**

**PR**

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

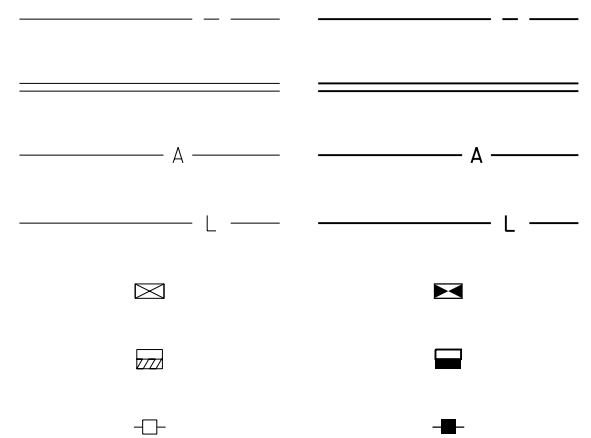


**LIGHTING**

**EX**

**PR**

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



**STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS**

(Sheet 3 of 9)

**STANDARD 000001-08**

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**LIGHTING  
(contd.)**

**EX**

**PR**

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



Traffic Flow Arrow



High Mast Pole  
(Half Size)



Light Unit-1

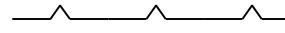


**PAVEMENT (MISC.)**

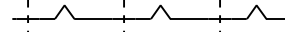
**EX**

**PR**

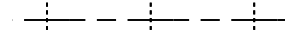
Keyed Long. Joint



Keyed Long. Joint w/Tie Bars



Sawed Long. Joint w/Tie Bars



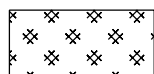
Bituminous Shoulder



Bituminous Taper



Stabilized Driveway



Widening



**PAVEMENT MARKINGS**

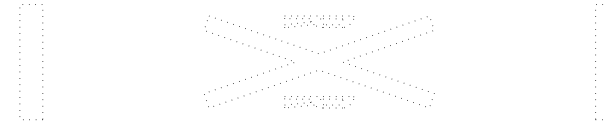
**EX**

**PR**

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



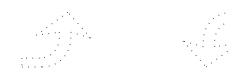
Raised Marker Amber 2 Way



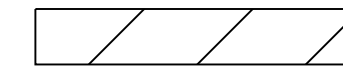
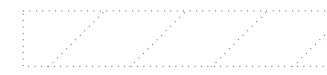
Raised Marker Crystal 1 Way



Two Way Turn Left



Shoulder Diag. Pattern



Skip-Dash White



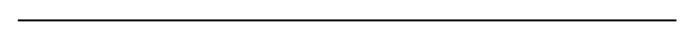
Skip-Dash Yellow



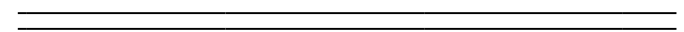
Stop Line



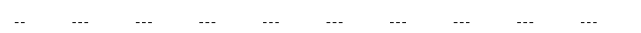
Solid Line


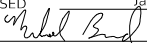



Double Centerline



Dotted Lines




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

**PAVEMENT MARKINGS**  
**(contd.)**

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

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

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

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

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

CL Multilane Undiv.

Two Way Turn Left Line

Urban Combination Left

Urban Combination Right

Urban Left Turn Arrow

Urban Right Turn Arrow

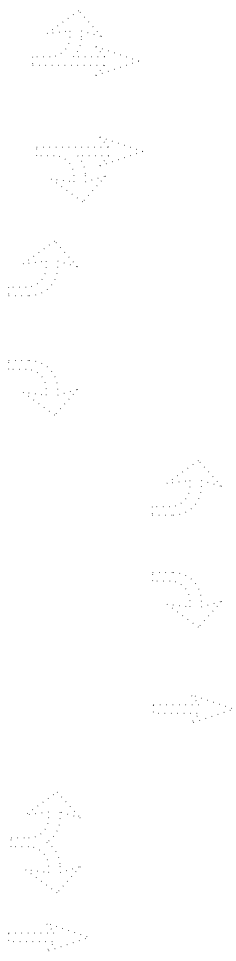
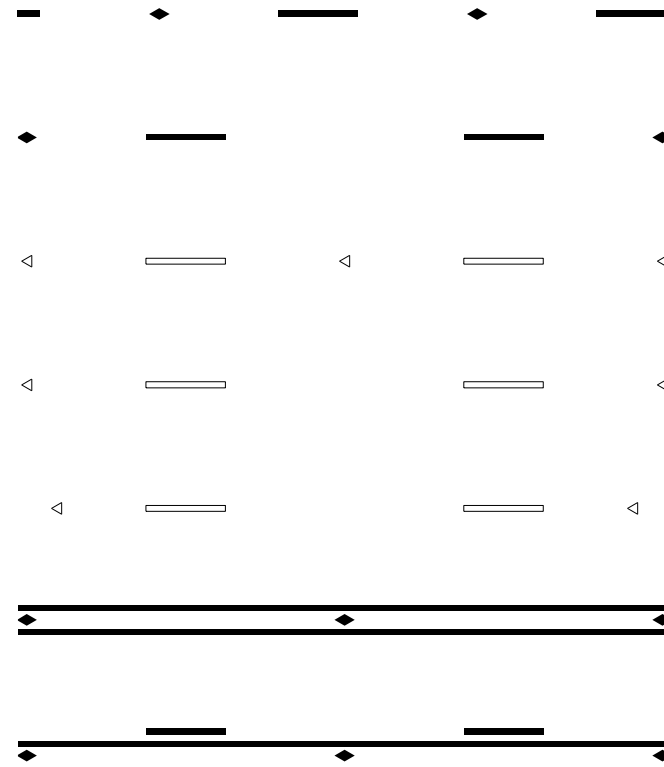
Urban Left Turn Only

Urban Right Turn Only

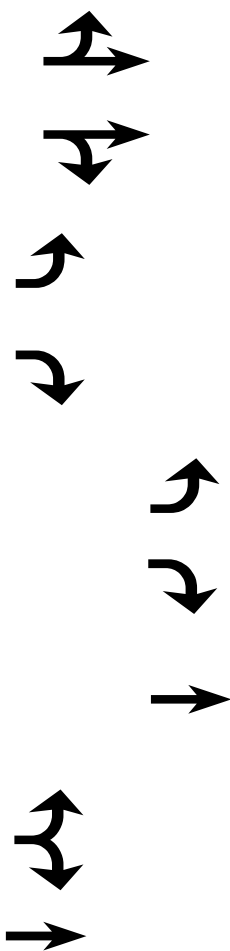
Urban Thru Only

**EX**

**PR**



ONLY  
ONLY  
ONLY

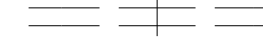


**RAILROAD ITEMS**

**EX**

**PR**

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck

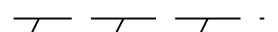


**REMOVAL ITEMS**

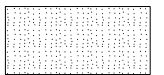
**EX**

**PR**

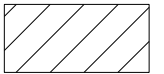
Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



**RIGHT OF WAY ITEMS**

**EX**

**PR**

Future ROW Corner Monument



ROW Marker



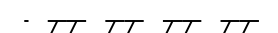
ROW Line



Easement



Temporary Easement



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Urban LT & RT Turn Arrow

Urban Thru Arrow

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

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**PAVEMENT MARKINGS**  
**(contd.)**

**EX**

**PR**

Urban U-Turn



Urban Combined U-Turn



Rural Combination Left



Rural Combination Right



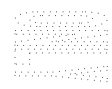
Rural Left Turn Arrow



Rural Right Turn Arrow



Rural Left Turn Only



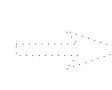
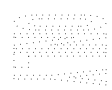
**ONLY ONLY ONLY**



Rural Right Turn Only



Rural Thru Only



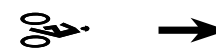
Rural Thru Arrow



Rural Lt & Rt Turn Arrow



Bike Lane Symbol



Bike Lane Text



Bike Path Shared



Bike Shared Roadway



Lane Drop Symbol



Wrong Way Arrow



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**STANDARD SYMBOLS,  
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**RIGHT OF WAY ITEMS  
(contd.)**

	<u>EX</u>	<u>PR</u>
Access Control Line	—	— AC —
Access Control Line & ROW	— AC —	— AC —
Access Control Line & ROW with Fence	— x — AC —	— x — AC — x —
Excess ROW Line		— XS —

**ROADWAY PLAN  
ITEMS**

	<u>EX</u>	<u>PR</u>
Cable Barrier		
Concrete Barrier		
Edge of Pavement	---	---
Bit Shoulders, Medians and C&G Line	---	---
Aggregate Shoulder	---	---
Sidewalks, Driveways	---	---
Guardrail		
Guardrail Post	□	
Traffic Sign	⊥	⊥
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line	---	
Typical Cross-Section Line	---	---

**ROADWAY PROFILES**

	<u>EX</u>	<u>PR</u>
P.I. Indicator	△	△
Point Indicator	○	○
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV = L = E =	VPI = ELEV = L = E =
Ditch Profile Left Side	-----	-----
Ditch Profile Right Side	-----	-----
Roadway Profile Line	-----	-----
Storm Sewer Profile Left Side	-----	-----
Storm Sewer Profile Right Side	-----	-----

**SIGNING ITEMS**

	<u>EX</u>	<u>PR</u>
Cone, Drum or Barricade		○
Barricade Type II		
Barricade Type III		TT
Barricade With Edge Line		
Flashing Light Sign		○
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

**SIGNING ITEMS  
(contd.)**

	<u>EX</u>	<u>PR</u>
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		
Left Lane Closed Ahead W20-5L(O) (Half Size)		
Right Lane Closed Ahead W20-5R(O) (Half Size)		
Road Closed Ahead W20-3(O) (Half Size)		
Road Construction Ahead W20-1(O) (Half Size)		
Single Lane Ahead (Half Size)		
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

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(Sheet 7 of 9)

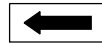
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**SIGNING ITEMS**  
**(contd.)**

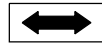
**EX**

**PR**

One Way Arrow Lrg. W1-6-(O)  
(Half Size)



Two Way Arrow Large W1-7-(O)  
(Half Size)



Detour M4-10L-(O)  
(Half Size)



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



One Way Left R6-1L  
(Half Size)



One Way Right R6-1R  
(Half Size)



Left Turn Lane R3-I100L  
(Half Size)



Keep Left R4-7AL  
(Half Size)



Keep Left R4-7BL  
(Half Size)



Keep Right R4-7AR  
(Half Size)



Keep Right R4-7BR  
(Half Size)



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



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



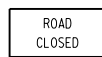
No Left Turn R3-2  
(Half Size)



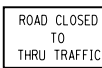
No Right Turn R3-1  
(Half Size)



Road Closed R11-2  
(Half Size)



Road Closed Thru Traffic R11-2  
(Half Size)

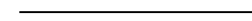


**STRUCTURES ITEMS**

**EX**

**PR**

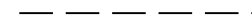
Box Culvert Barrel



Box Culvert Headwall



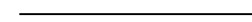
Bridge Pier



Bridge



Retaining Wall



Temporary Sheet Piling



**TRAFFIC SHEET**  
**ITEMS**

**EX**

**PR**

Cable Number



Left Turn Green



Left Turn Yellow



Signal Backplate



Signal Section 8" (200 mm)



Signal Section 12" (300 mm)



Walk/Don't Walk Letters



Walk/Don't Walk Symbols



**TRAFFIC SIGNAL**  
**ITEMS**

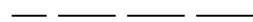
**EX**

**PR**

Galv. Steel Conduit



Underground Cable



Detector Loop Line



Detector Loop Large



Detector Loop Small



Detector Loop Quadrapole



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**STANDARD SYMBOLS,  
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(Sheet 8 of 9)

**STANDARD 000001-08**



**TRAFFIC SIGNAL ITEMS (contd.)**

**EX**

**PR**

Detector Raceway



Aluminum Mast Arm



Steel Mast Arm



Veh. Detector Magnetic



Conduit Splice



Controller



Gulfbox Junction



Wood Pole



Temp. Signal Head



Handhole



Double Handhole



Heavy Duty Handhole



Junction Box



Ped. Pushbutton Detector



Ped. Signal Head



Power Pole Service



Priority Veh. Detector



Signal Head



Signal Head w/Backplate



Signal Post



Closed Circuit TV



Video Detector System



**UNDERGROUND UTILITY ITEMS**

**EX**

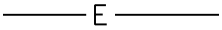
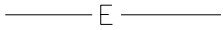
**PR**

**ABANDONED**

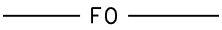
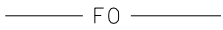
Cable TV



Electric Cable



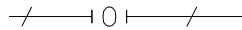
Fiber Optic



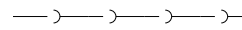
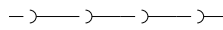
Gas Pipe



Oil Pipe



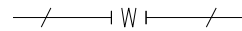
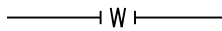
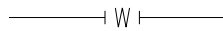
Sanitary Sewer



Telephone Cable



Water Pipe



**UTILITIES ITEMS**

**EX**

**PR**

Controller



Double Handhole



Fire Hydrant



GuyWire or Deadman Anchor



Handhole



Heavy Duty Handhole



Junction Box



Light Pole



Manhole



Monitoring Well (Gasoline)



Pipeline Warning Sign



Power Pole



Power Pole with Light



Sanitary Sewer Cleanout



Splice Box Above Ground



Telephone Splice Box Above Ground



Telephone Pole



**UTILITY ITEMS (contd.)**

**EX**

**PR**

Traffic Signal



Traffic Signal Control Box



Water Meter



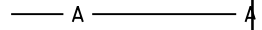
Water Meter Valve Box



Profile Line



Aerial Power Line



**VEGETATION ITEMS**

**EX**

**PR**

Deciduous Tree



Bush or Shrub



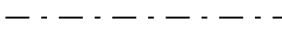
Evergreen Tree



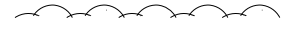
Stump



Orchard/Nursery Line



Vegetation Line



Woods & Bush Line

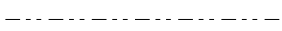


**WATER FEATURE ITEMS**

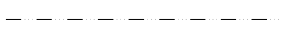
**EX**

**PR**

Stream or Drainage Ditch



Waters Edge



Water Surface Indicator



Water Point



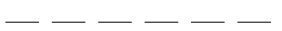
Disappearing Ditch



Marsh



Marsh/Swamp Boundary



Illinois Department of Transportation

PASSED January 1, 2021  
*Michael Bond*  
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021  
*Joe E. Cole*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

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

**STANDARD 000001-08**

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

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

DATE	REVISIONS
1-1-97	New Standard.

## DECIMAL OF AN INCH AND OF A FOOT

STANDARD 001006

Illinois Department of Transportation

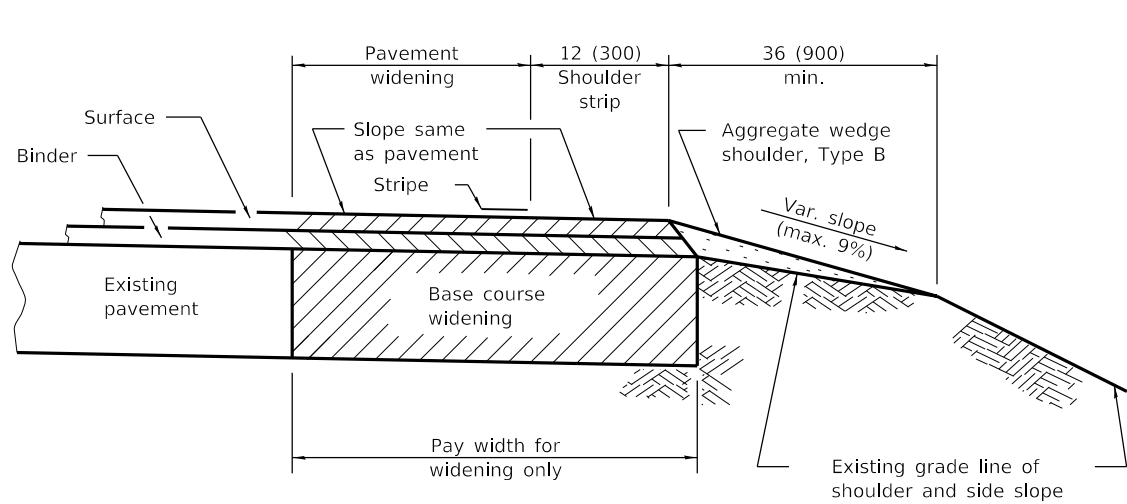
PASSED January 1, 1997

ENGINEER OF POLICY AND PROCEDURES

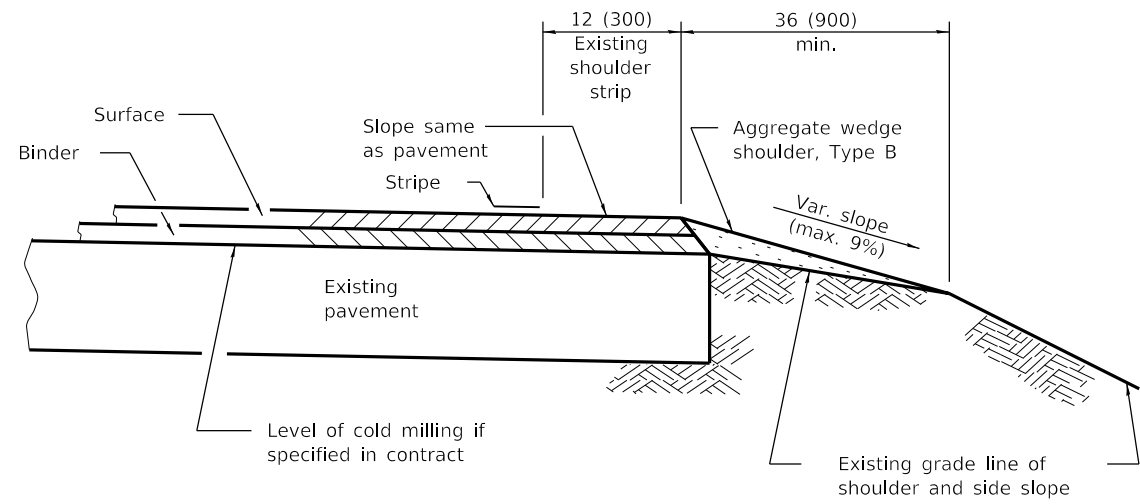
APPROVED January 1, 1997

ENGINEER OF DESIGN AND ENVIRONMENT

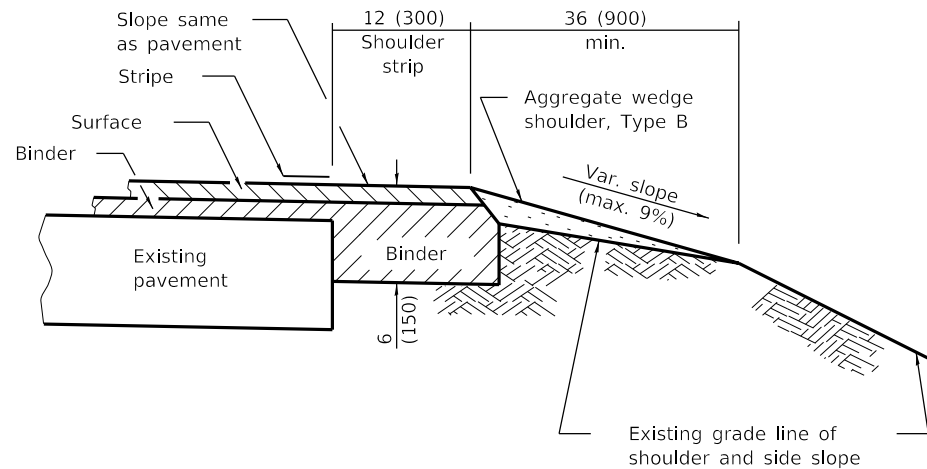
ISSUED 1-1-97



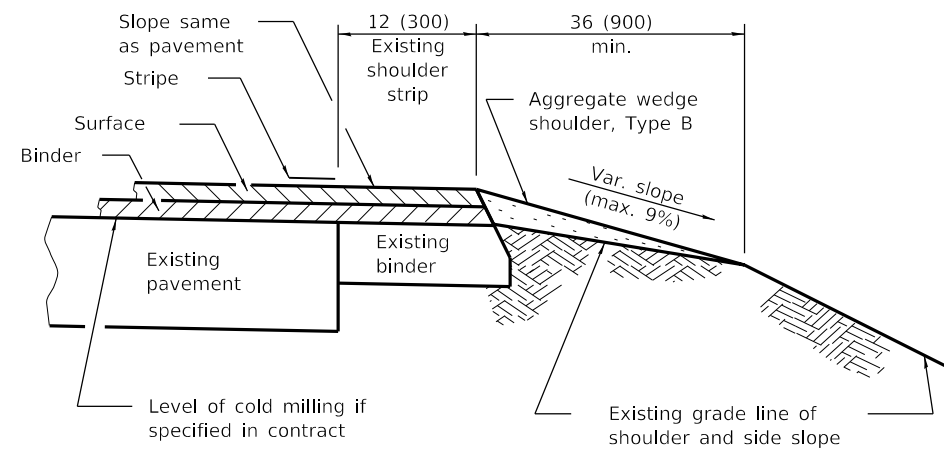
**HMA SHOULDER STRIP AND  
AGGREGATE WEDGE WITH WIDENING**  
(Cross-section A)



**COLD MILLING AND/OR RESURFACING OF  
EXISTING PAVEMENT WITH SHOULDER STRIPS**  
(Cross-section C)



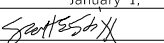
**HMA SHOULDER STRIP AND  
AGGREGATE WEDGE WITH RESURFACING**  
(Cross-section B)

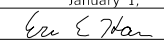


**COLD MILLING AND/OR RESURFACING OF  
EXISTING PAVEMENT WITH SHOULDER STRIPS**  
(Cross-section D)

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

Illinois Department of Transportation

PASSED January 1, 2008  
  
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2008  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

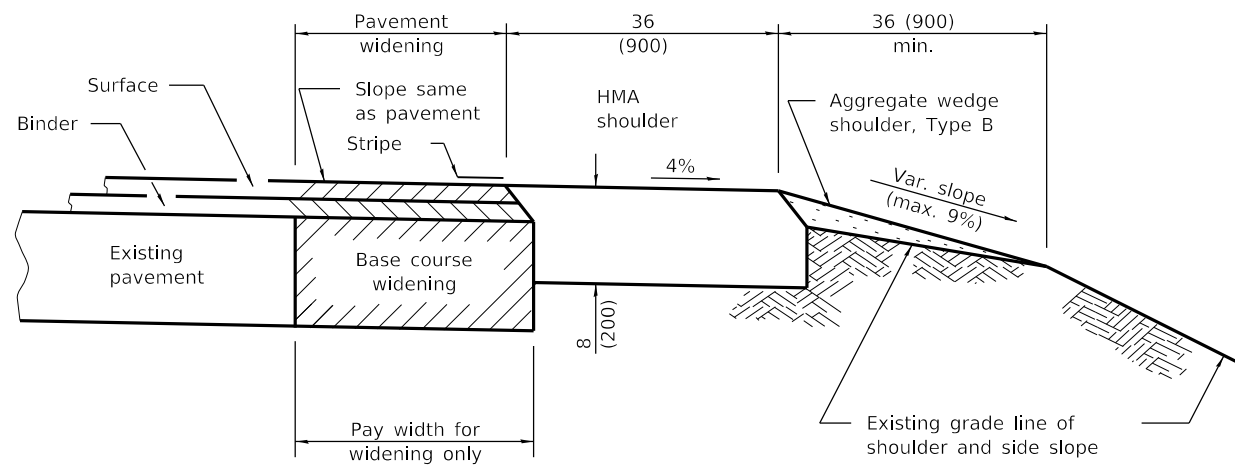
ISSUED 1-1-97

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Switched to Hot-Mix Asphalt (HMA) terminology.

**HMA SHLD. STRIPS/SHLDS. WITH  
RESURFACING OR WIDENING  
AND RESURFACING PROJECTS**

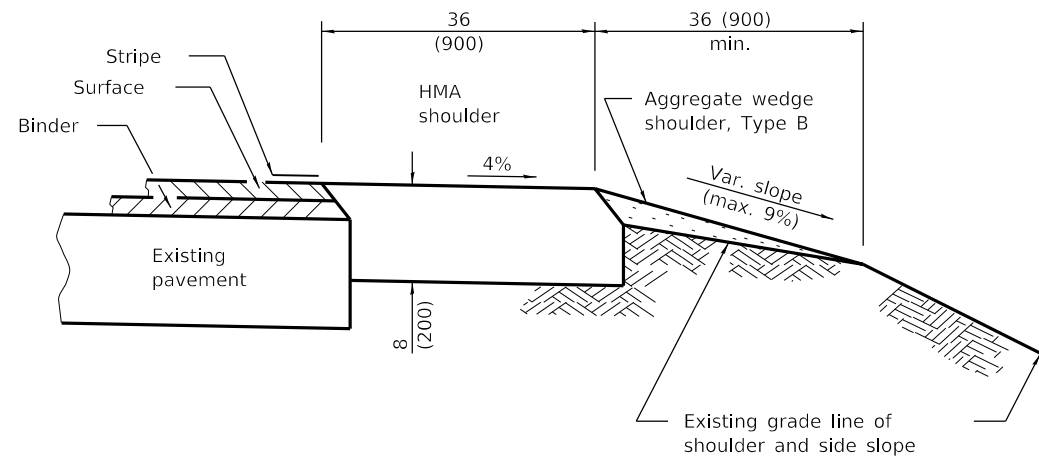
(Sheet 1 of 2)

**STANDARD 482011-03**



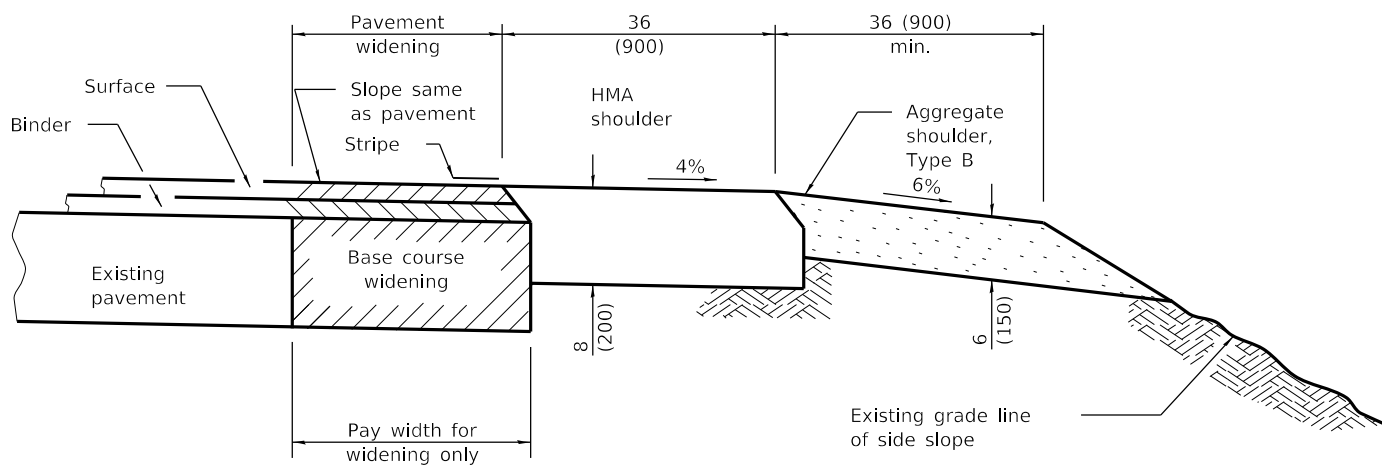
**HMA SHOULDER AND AGGREGATE WEDGE WITH WIDENING**

(Cross-section E)



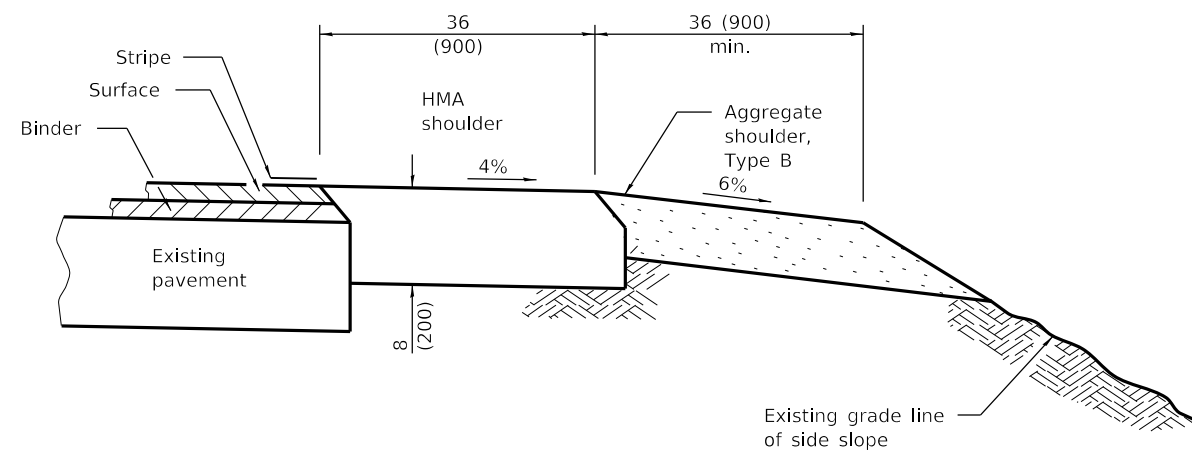
**HMA SHOULDER AND AGGREGATE WEDGE WITH RESURFACING**

(Cross-section G)



**HMA AND AGGREGATE SHOULDERS WITH WIDENING**

(Cross-section F)



**HMA AND AGGREGATE SHOULDERS WITH RESURFACING**

(Cross-section H)

Illinois Department of Transportation

PASSED January 1, 2008

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2008

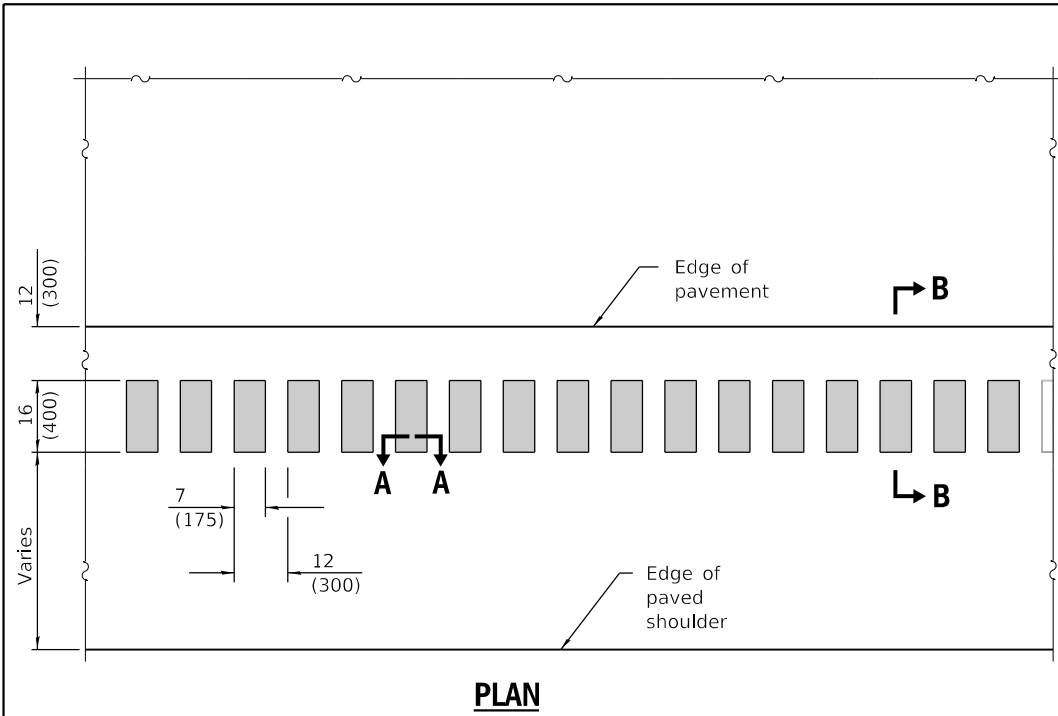
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

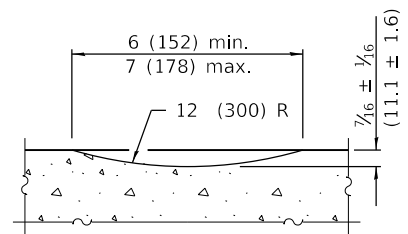
**HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS**

(Sheet 2 of 2)

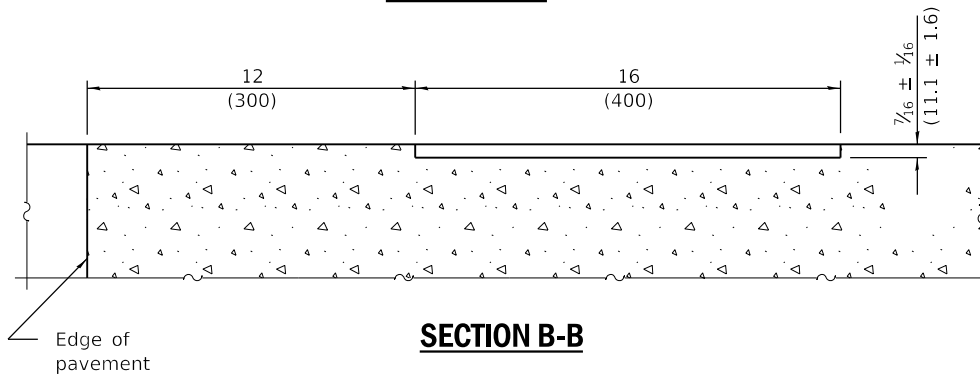
**STANDARD 482011-03**



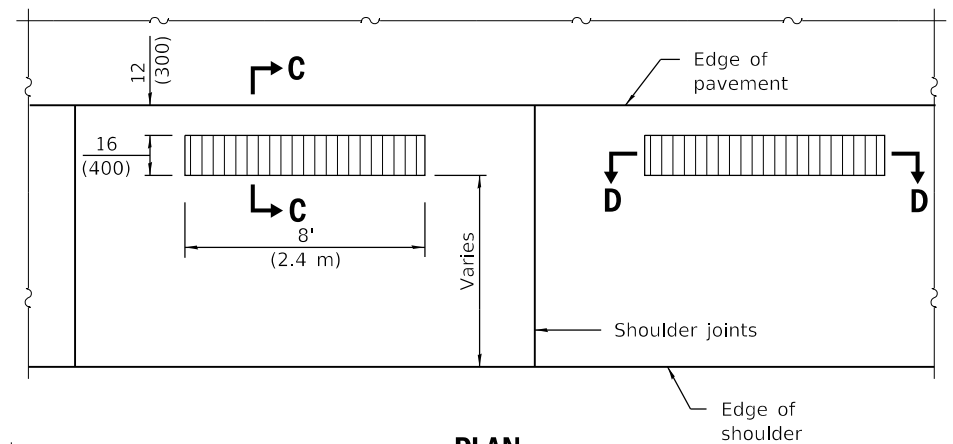
**PLAN**



**SECTION A-A**

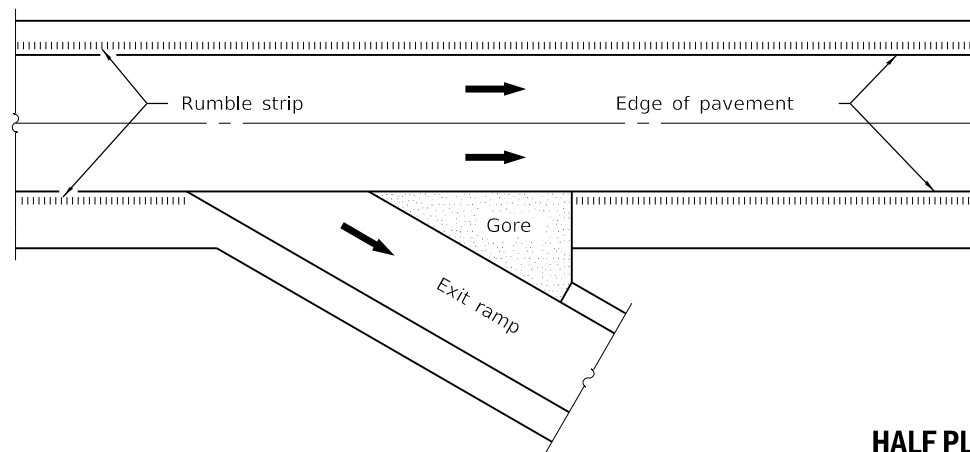


**SECTION B-B**

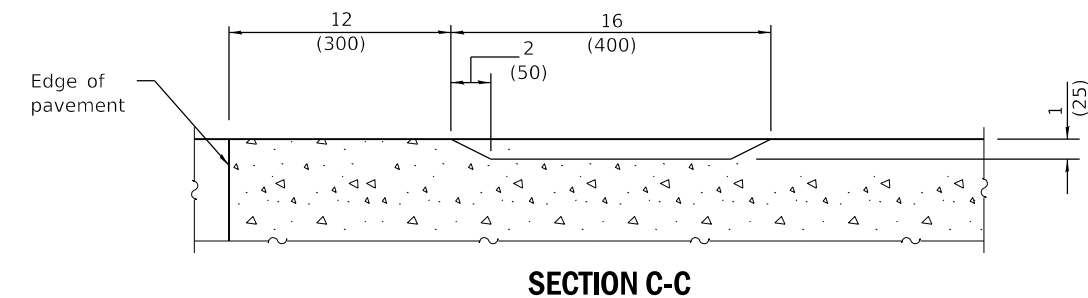
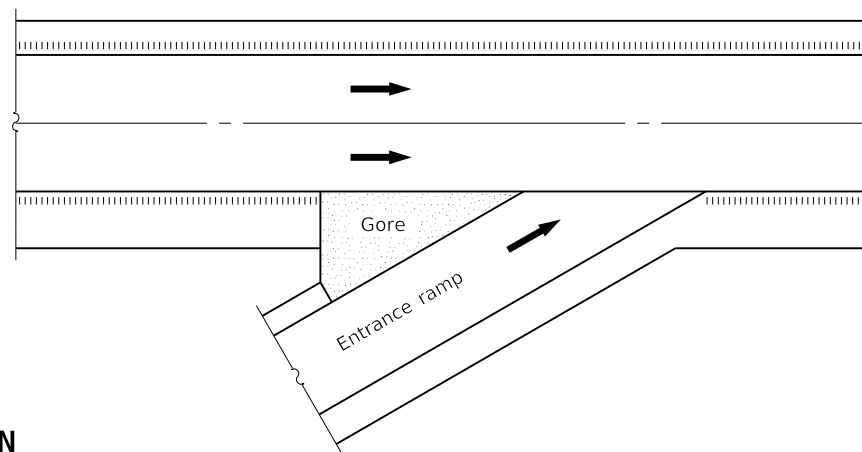


**PLAN**

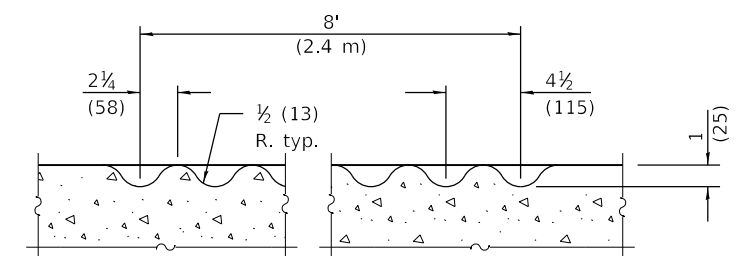
(Formed Alternate for PCC Shoulders)  
Center rumblestrips between the shoulder joints.



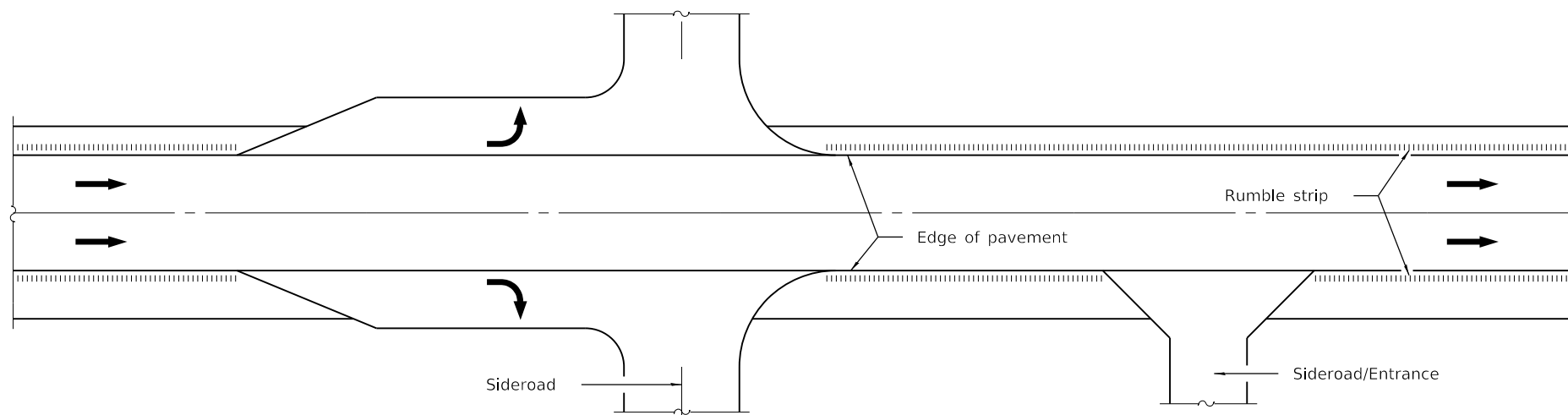
**HALF PLAN**  
**TYPICAL APPLICATION AT AN INTERCHANGE**



**SECTION C-C**



**SECTION D-D**



**HALF PLAN**  
**TYPICAL APPLICATION AT AN INTERSECTION OR ENTRANCE**

**GENERAL NOTES**

On Portland cement concrete shoulders, no shoulder rumble strip shall be located closer than 6 (150) to a transverse joint.

Omit shoulder rumble strips across structures.

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

DATE	REVISIONS
1-1-22	Revised location of rumbles relative to the shoulder joints in Plan View.
1-1-12	Changed formed rumble strip to 16 (400) wide. Rev'd milled strip. Renamed standard.

**SHOULDER RUMBLE STRIPS, 16 in.**

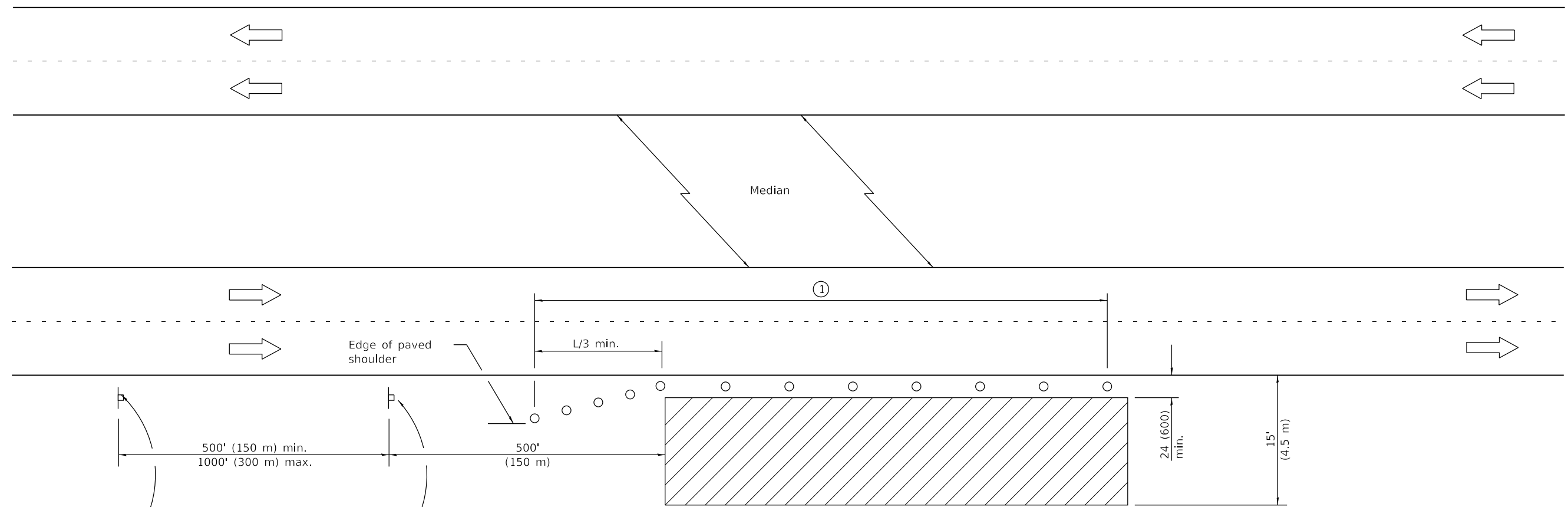
**STANDARD 642001-03**

Illinois Department of Transportation

PASSED January 1, 2022  
*Michael Beard*  
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2022  
*Scott Cbe*  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-03



For contract construction projects



W20-1103(0)-48



W21-1(0)-48

For maintenance and utility projects



W20-1(0)-48

**TYPICAL APPLICATIONS**

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

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

**SYMBOLS**

- Work area
- Sign
- Cone, drum or barricade

**GENERAL NOTES**

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

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

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

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

DATE	REVISIONS
4-1-16	Corrected typo in title.
1-1-14	Revised workers sign number to agree with current MUTCD.

**OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE**

**STANDARD 701101-05**

Illinois Department of Transportation

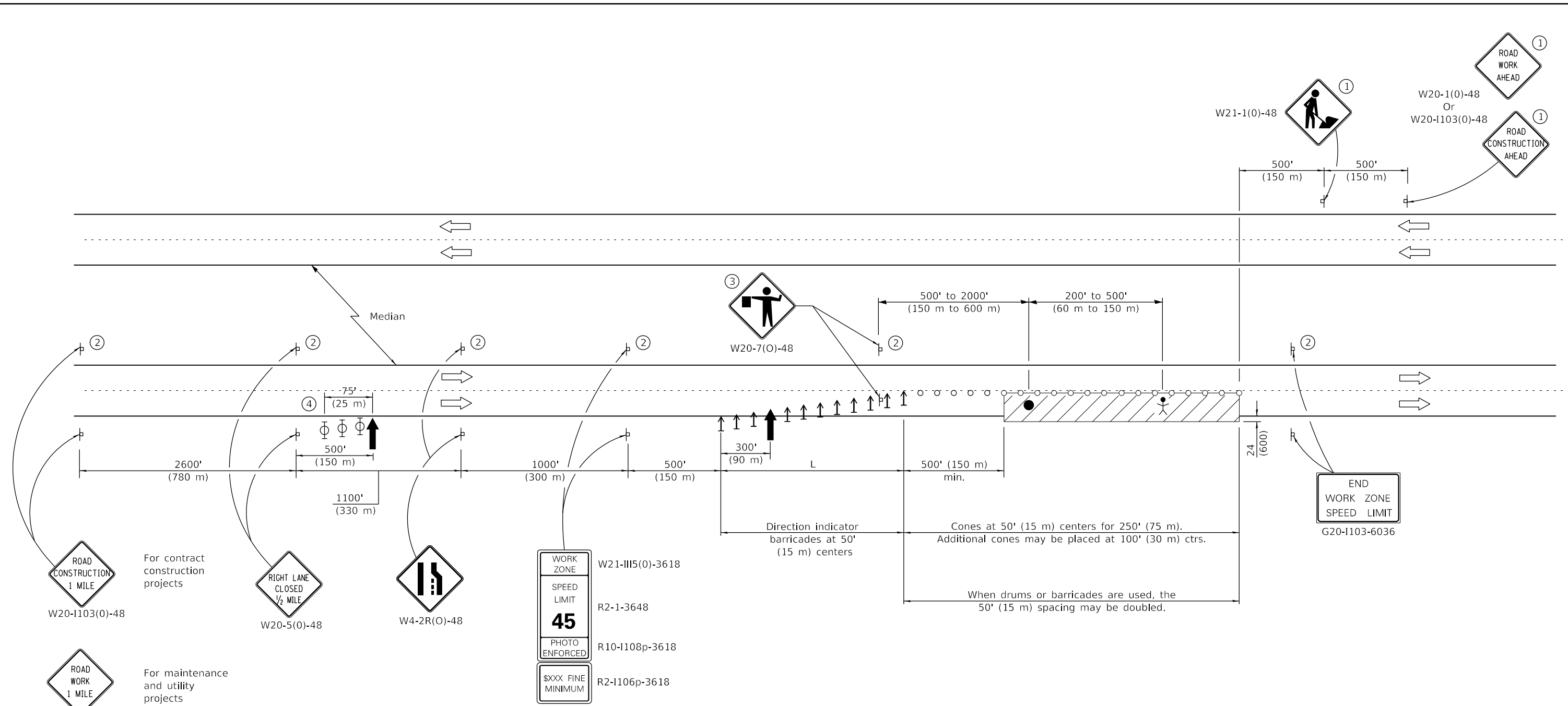
PASSED April 1, 2016

*[Signature]*  
ENGINEER OF SAFETY ENGINEERING

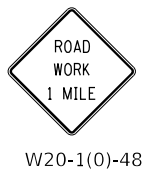
APPROVED April 1, 2016

*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

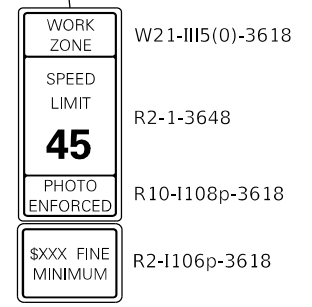
ISSUED 1-1-97



For contract construction projects



For maintenance and utility projects



L = lane width X taper ratio	
Normal Posted Speed	Taper Ratio
mph	
55	55/1
45	45/1

**SYMBOLS**

- Arrow board
- Work area
- Sign
- Direction indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- Worker
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

**TYPICAL APPLICATIONS**

- Pavement patch
- Utility operations
- Bituminous resurfacing

- ① Undivided roadway only with left lane closure in opposite direction.
- ② Omitted when median is less than 10' (3 m).
- ③ FLAGGER signs shall be moved as necessary to maintain the required spacing between the sign and each separate work activity.
- ④ Three Type II barricades, drums, or vertical barricades at 25' (8 m) centers.

**GENERAL NOTES**

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement.

This Standard also applies when work is being performed in the left lane. Under these conditions, LEFT LANE CLOSED signs shall be substituted for RIGHT LANE CLOSED signs. On undivided highways, signs shall be added in the opposite direction as shown.

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

DATE	REVISIONS
1-1-17	Rev. END WORK ZONE SPEED LIMIT sign. Changed device spacing at first arr. brd.
1-1-15	Revised END WORK ZONE SPEED LIMIT sign dimensions.

**LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH**

**STANDARD 701421-08**

Illinois Department of Transportation

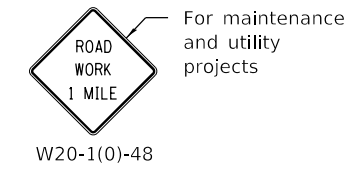
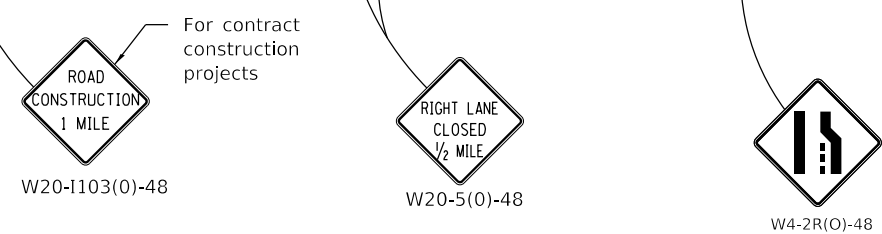
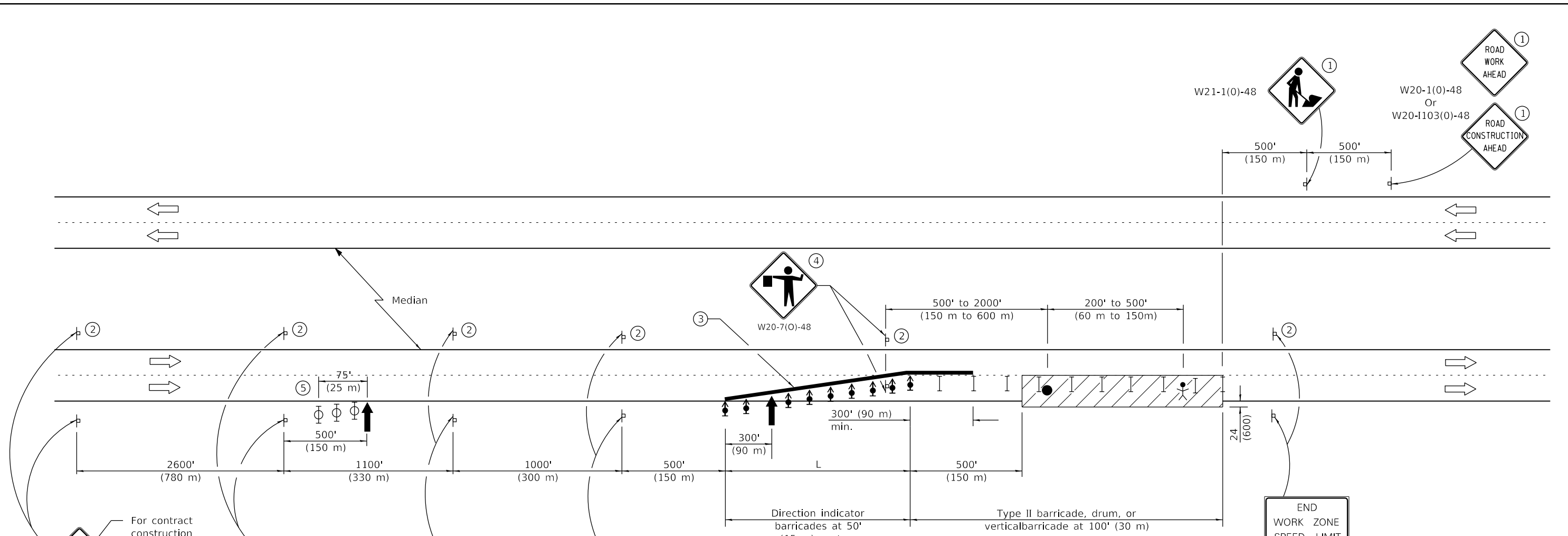
PASSED January 1, 2017

ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2017

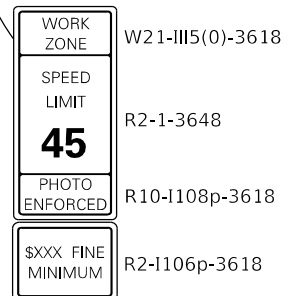
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 4-1-04



L = lane width X taper ratio

Normal Posted Speed	Taper Ratio
mph	
55	55/1
45	45/1



**SYMBOLS**

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade
- Flagger with traffic control sign
- Worker
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① Undivided roadway only with left lane closure in opposite direction.
- ② Omitted when median is less than 10' (3 m).
- ③ ReflectORIZED temporary pavement marking tape shall be placed throughout the taper and for 300' (90 m) along-side the work area where the closure time is greater than fourteen days. The edge line shall be white for right lane closures and yellow for left lane closures.
- ④ FLAGGER signs shall be moved as necessary to maintain the required spacing between the sign and each separate work activity.
- ⑤ Three Type II barricades, drums, or vertical barricades at 25' (8 m) centers.

**GENERAL NOTES**

This standard is used where at any time any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement for daylight operation exceeding one day.

This standard also applies when work is being performed in the left lane. Under these conditions LEFT LANE CLOSED signs shall be substituted for RIGHT LANE CLOSED signs. On undivided highways, signs shall be added in the opposite direction as shown.

A check barricade shall be placed in the middle of the closed lane and at the shoulder at 1000' (300 m) centers.

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

DATE	REVISIONS
1-1-18	Omitted lights in tangent.
1-1-17	Rev. END WORK ZONE SPEED LIMIT sign. Changed device spacing at first arr. brd.

**LANE CLOSURE,  
MULTILANE, FOR  
SPEEDS ≥ 45 MPH TO 55 MPH**

**STANDARD 701422-10**

Illinois Department of Transportation

PASSED January 1, 2018

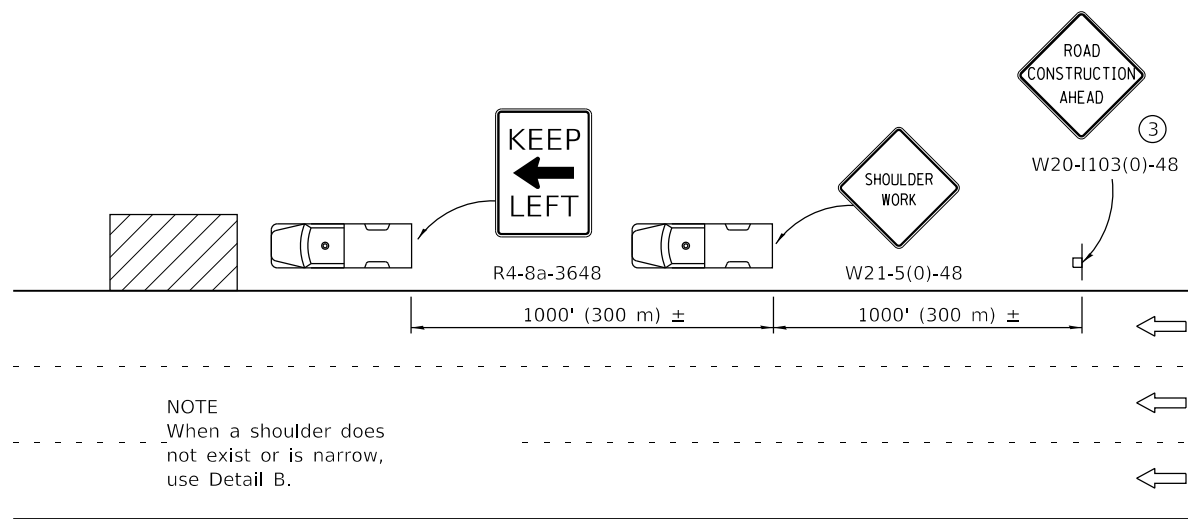
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2018

ENGINEER OF DESIGN AND ENVIRONMENT

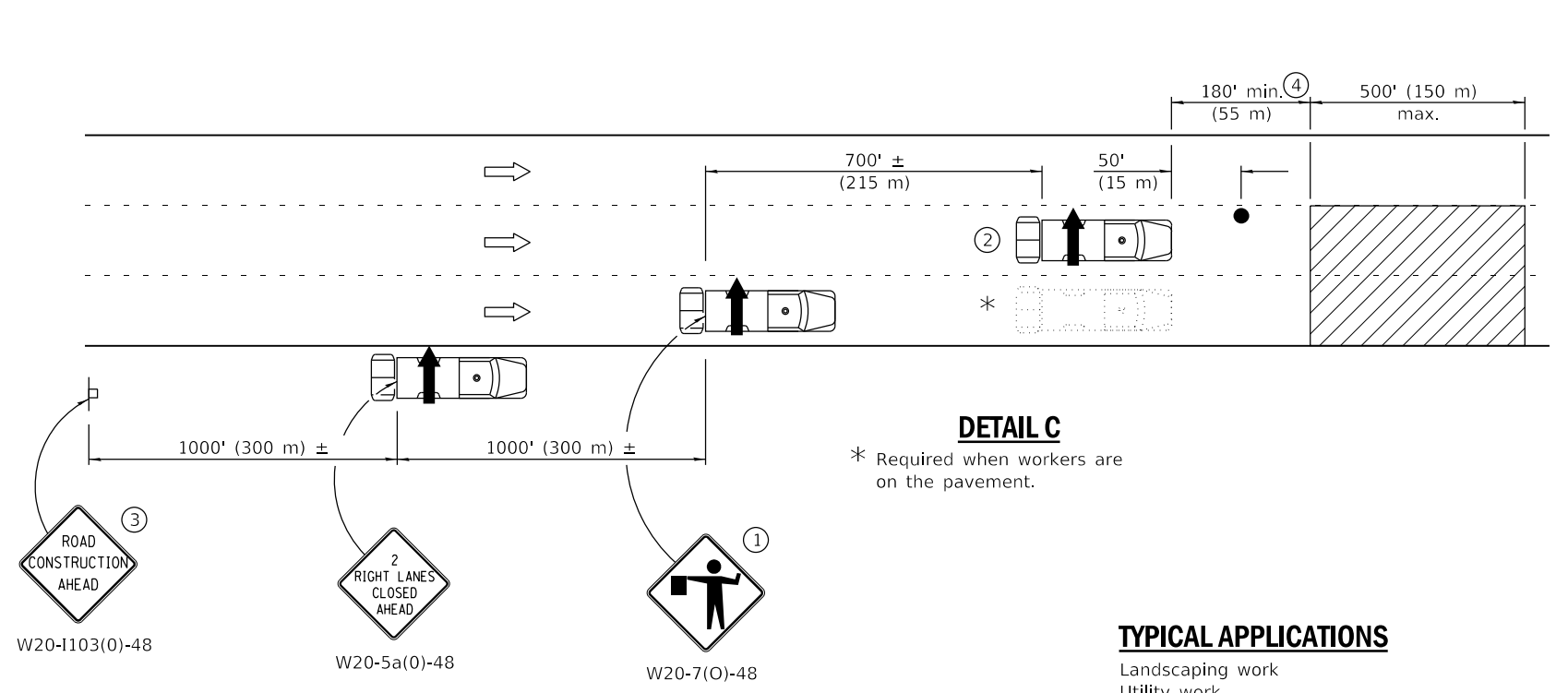
ISSUED 4-1-04





NOTE  
When a shoulder does not exist or is narrow, use Detail B.

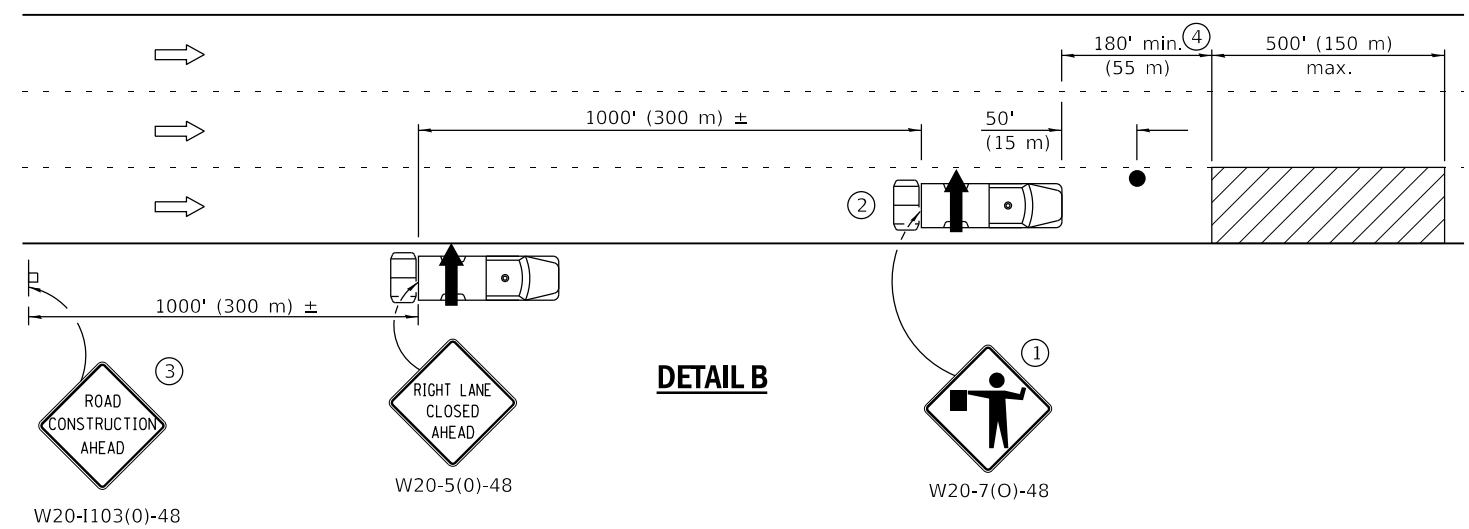
**DETAIL A**



**DETAIL C**  
\* Required when workers are on the pavement.

**TYPICAL APPLICATIONS**

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



**DETAIL B**

- ① Flaggers are required when workers are on the pavement.
- ② For striping operations only. See sign arrow detail on this standard.
- ③ For stationary operations which are on the roadway or shoulder, greater than 15 minutes and up to 1 hour.
- ④ The distance between the work and the lead truck may vary according to terrain or paint/crack sealing drying time.



G20-1101-2430  
(appropriate arrow)  
② (when striping only)

**GENERAL NOTES**

This Standard is used where any vehicle, equipment, workers or their activities will require:  
1) stationary operations up to 1 hour, or 2) a continuous or intermittent moving operation where the average speed of movement is greater than 1 mph (2 km/h).

This Standard is also applicable when work is being performed in the left lane(s) or on the median shoulder. Under these conditions, KEEP RIGHT signs shall be substituted for KEEP LEFT signs and arrow board indications shall be directed to the right.

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

**SYMBOLS**

- ↑ Arrow board
- ▨ Work area
- 🚚 Truck with flashing amber light
- 🚛 Truck/Trailer mounted attenuator
- Flagger with traffic control sign
- 🚧 Sign

DATE	REVISIONS
1-1-17	Revised 'NOTE' on DETAIL A to use DETAIL B in lieu of DETAIL C.
4-1-16	Added trailer option for attenuator symbol. Added note ④. Revised gen. notes.

**LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH**

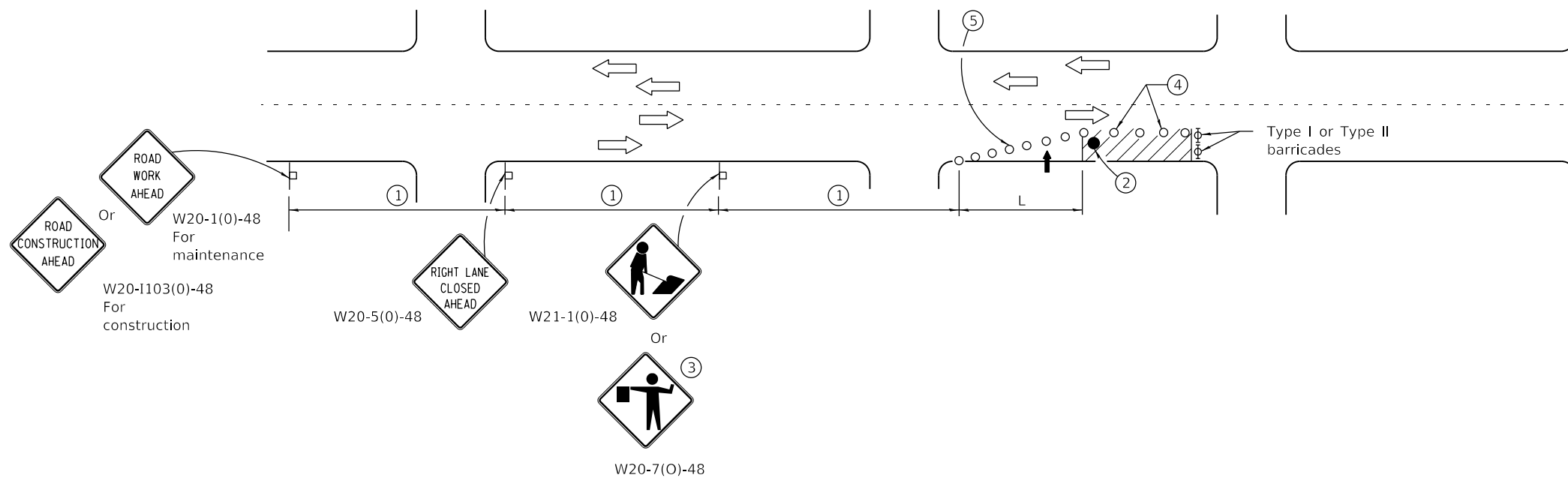
**STANDARD 701426-09**

Illinois Department of Transportation

PASSED January 1, 2017  
*Paul L. ...*  
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2017  
*Matthew M. ...*  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- SYMBOLS**
- Arrow board
  - Cone, drum or barricade
  - Sign on portable or permanent support
  - Work area
  - Barricade or drum with flashing light
  - Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph.
- ③ Use flagger sign only when flagger is present.
- ④ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ⑤ Cones, drums or barricades at 20' (6 m) centers in taper.

**GENERAL NOTES**

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

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

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

DATE	REVISIONS
1-1-15	Renamed standard. Moved case on Sheet 2 to new Highway Standard.
1-1-14	Revised workers sign number to agree with current MUTCD.

**URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN**

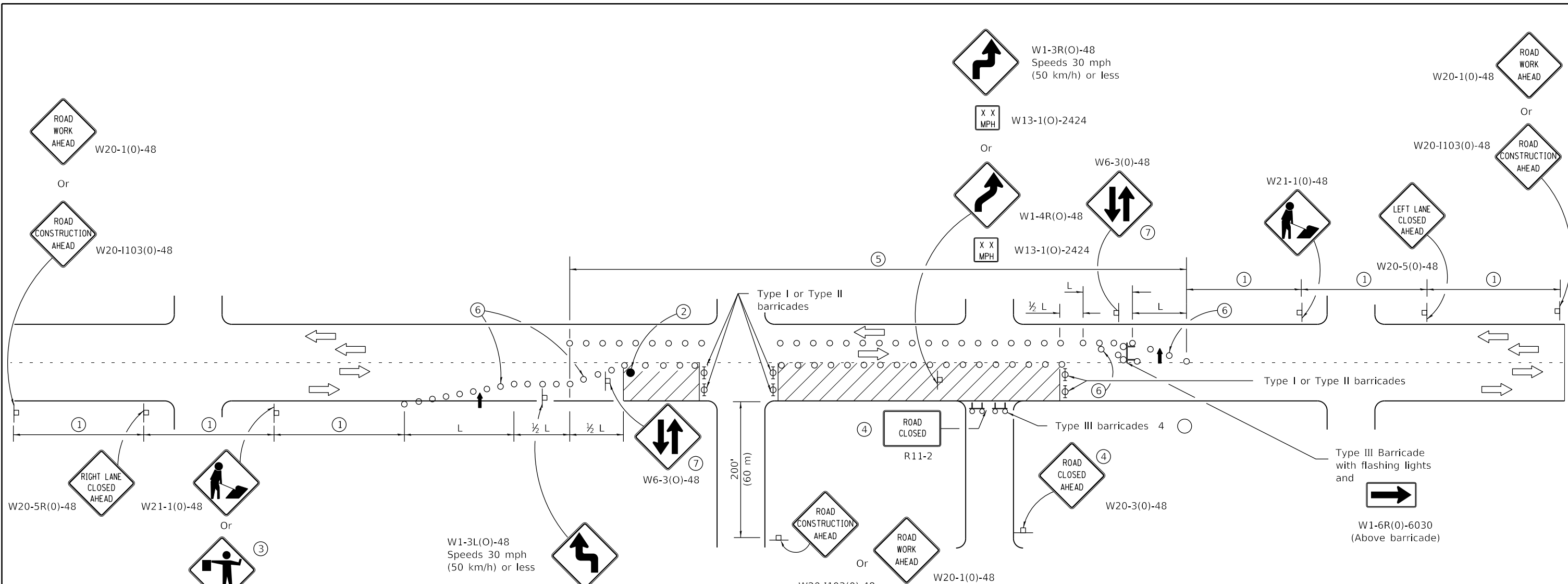
**STANDARD 701606-10**

Illinois Department of Transportation

PASSED January 1, 2015  
  
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2015  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- W1-3L(O)-48  
Speeds 30 mph  
(50 km/h) or less
- W13-1(O)-2424
- Or
- W1-4L(O)-48
- W13-1(O)-2424

- SYMBOLS**
- Arrow board
  - Cone, drum or barricade
  - Sign on portable or permanent support
  - Work area
  - Barricade or drum with flashing light
  - Type III barricade with flashing lights
  - Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 mph.
- ③ Use flagger sign only when flagger is present.
- ④ For approved sideroad closures.
- ⑤ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Repeat every 1 mile (1.6 km).

**GENERAL NOTES**

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of more than one traffic lane in an Urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).  
S = Normal posted speed mph (km/h).

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

Illinois Department of Transportation

PASSED April 1, 2016  
*[Signature]*  
ENGINEER OF SAFETY ENGINEERING

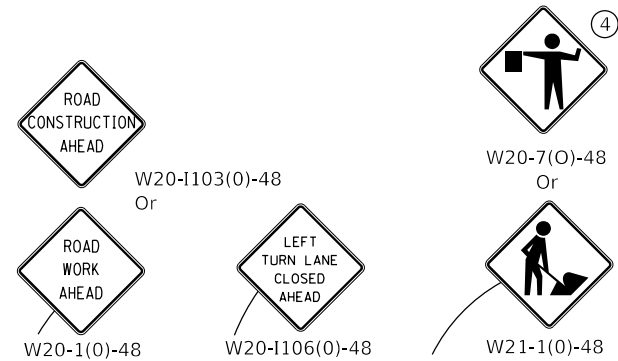
APPROVED April 1, 2016  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-15

DATE	REVISIONS
4-1-16	Moved first reverse curve/turn sign to middle of tangent.
1-1-15	New Standard.

**URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN**

**STANDARD 701611-01**



**LEFT TURN LANE OR CENTER MEDIAN OPERATIONS**

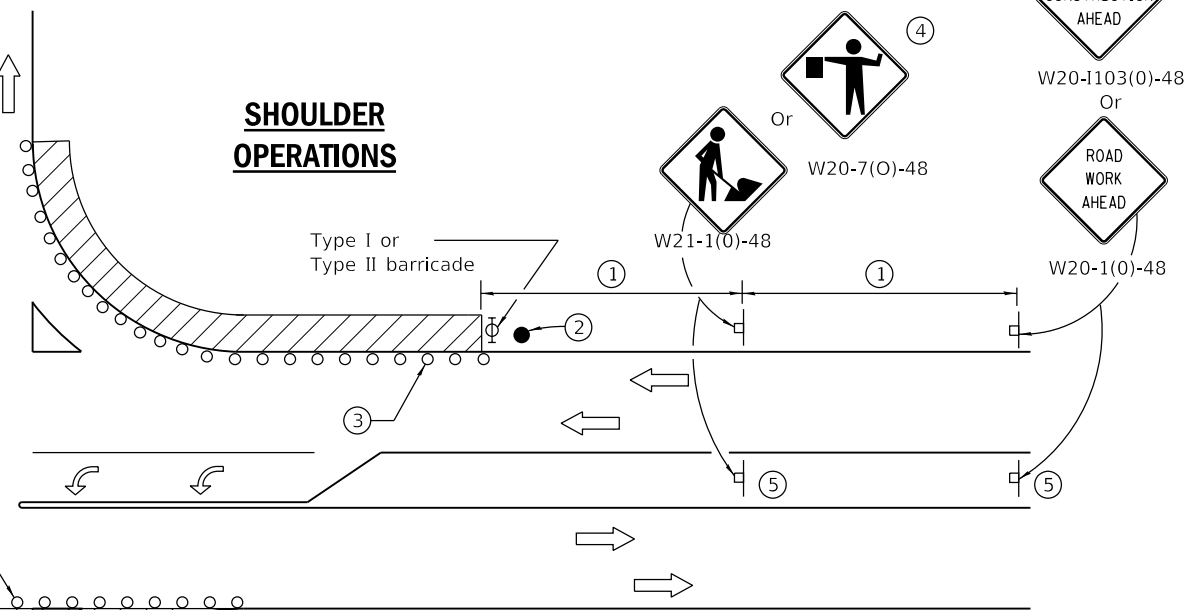
- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

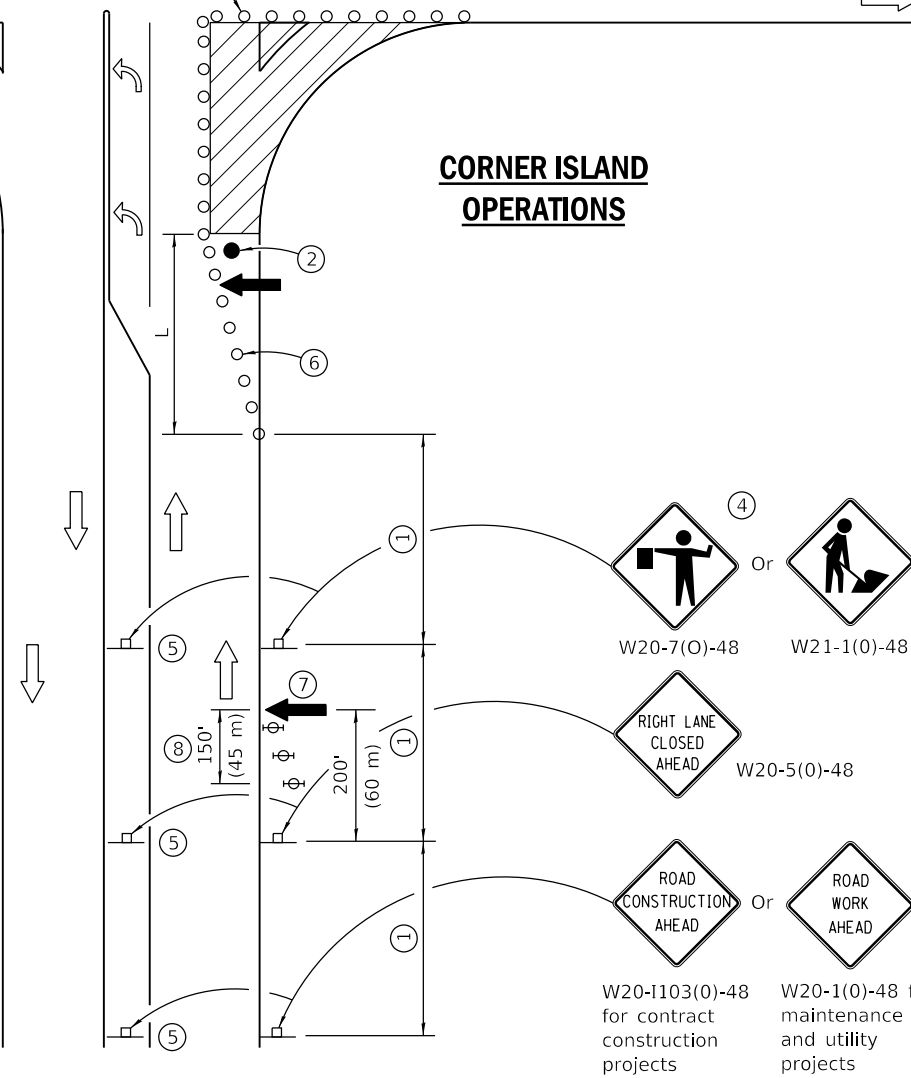
**SYMBOLS**

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

**SHOULDER OPERATIONS**



**CORNER ISLAND OPERATIONS**



**GENERAL NOTES**

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

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

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

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper.
	Rev. workers sign number.

**URBAN LANE CLOSURE, MULTILANE INTERSECTION**

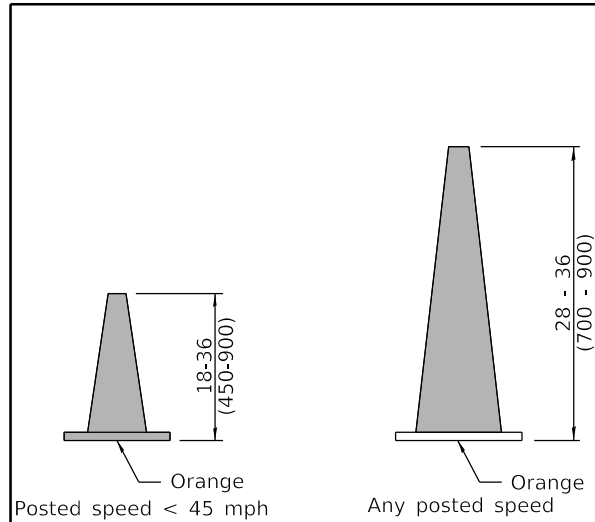
**STANDARD 701701-10**

Illinois Department of Transportation

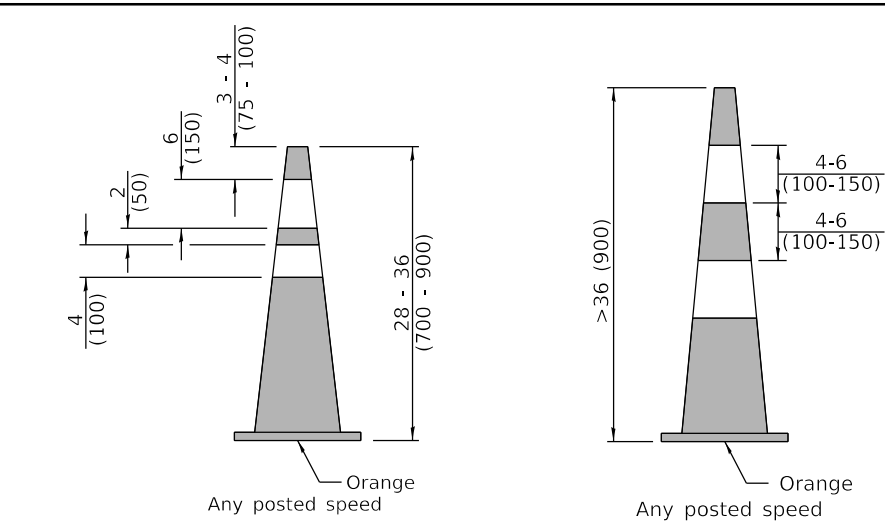
PASSED April 1, 2016  
  
 ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

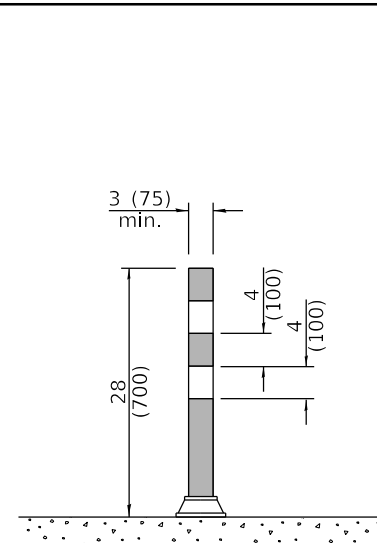
ISSUED 1-1-97



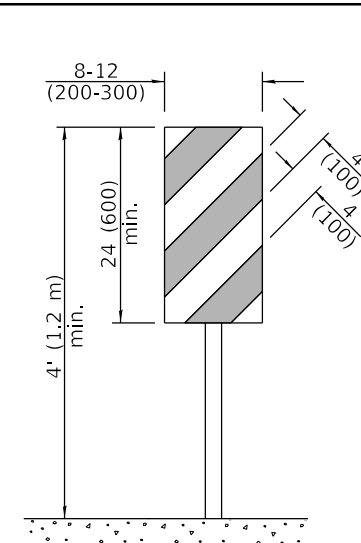
**DAYTIME USE**



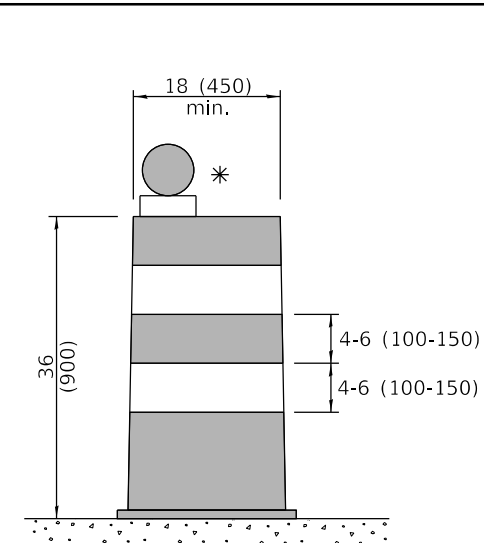
**DAY OR NIGHTTIME USE**



**TUBULAR MARKER**

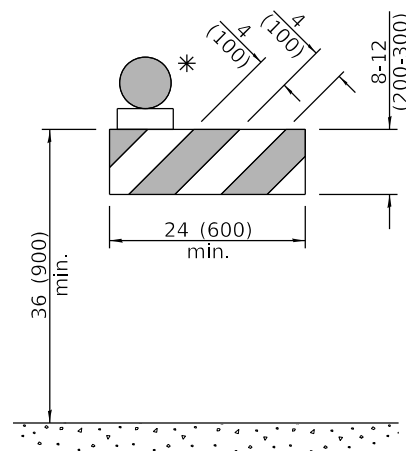


**VERTICAL PANEL  
POST MOUNTED**

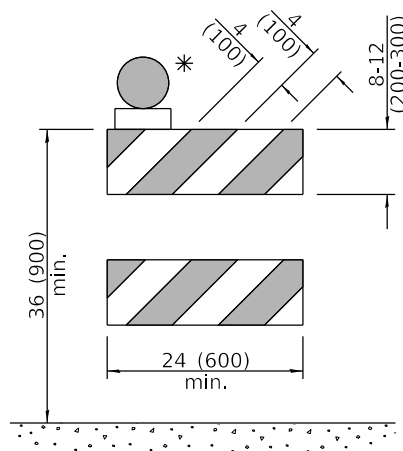


**DRUM**

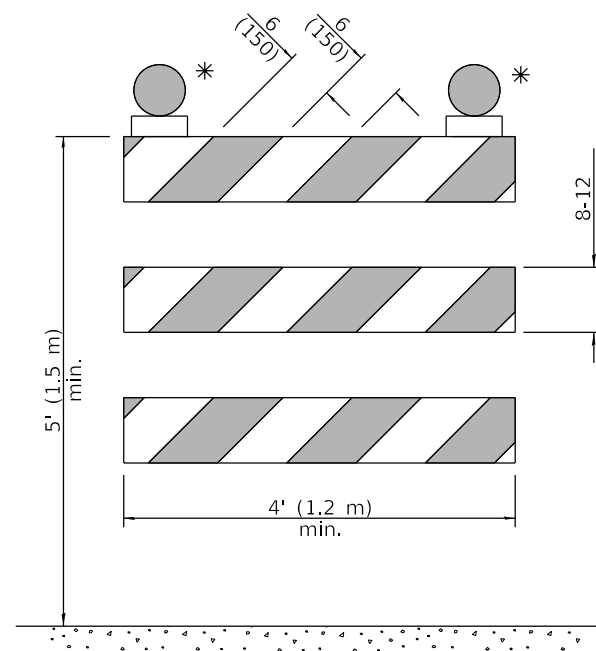
**CONES**



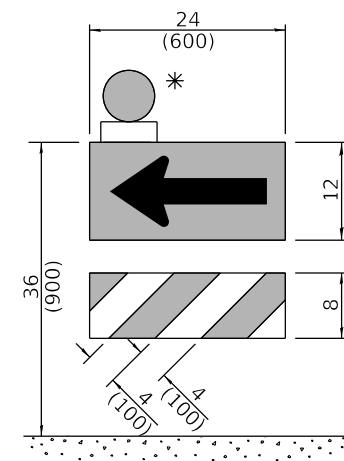
**TYPE I BARRICADE**



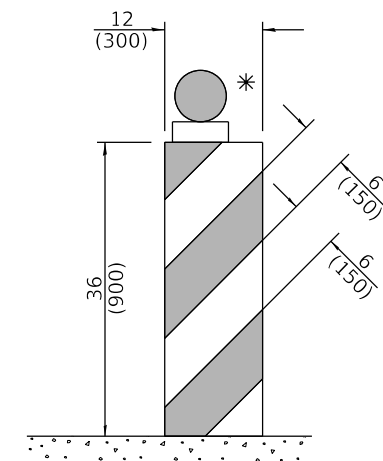
**TYPE II BARRICADE**



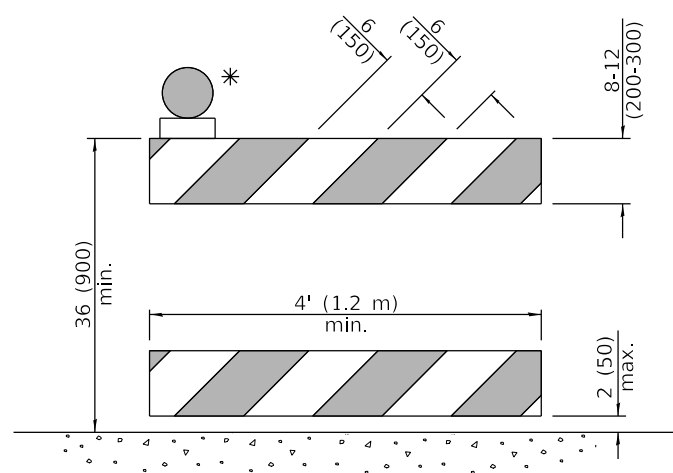
**TYPE III BARRICADE**



**DIRECTION INDICATOR  
BARRICADE**



**VERTICAL BARRICADE**



**DETECTABLE PEDESTRIAN  
CHANNELIZING BARRICADE**

\* Warning lights (if required)

**GENERAL NOTES**

All heights shown shall be measured above the pavement surface.

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

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

**TRAFFIC CONTROL DEVICES**

(Sheet 1 of 3)

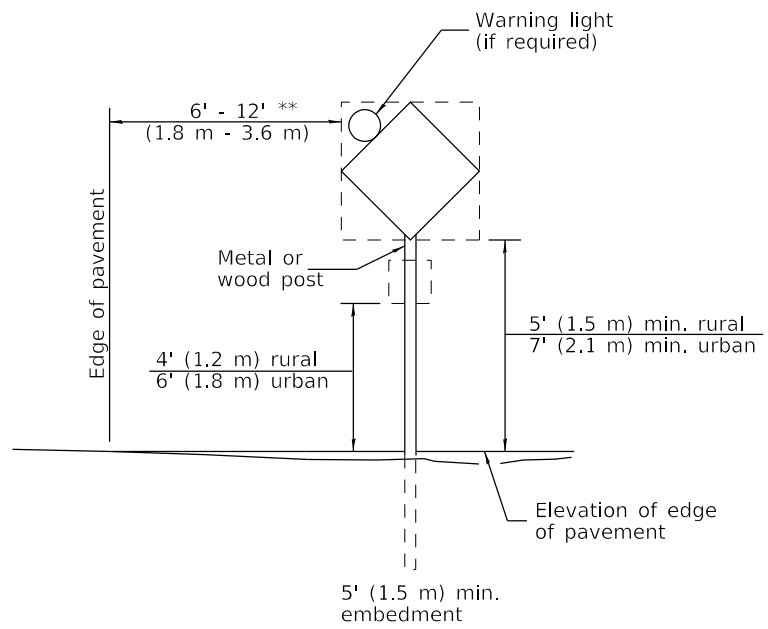
**STANDARD 701901-08**

Illinois Department of Transportation

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

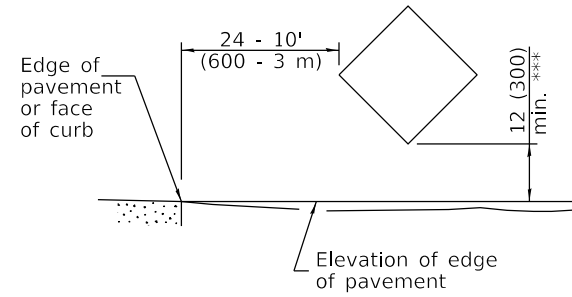
APPROVED January 1, 2019  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED  
 ET-1-1 (08/05)



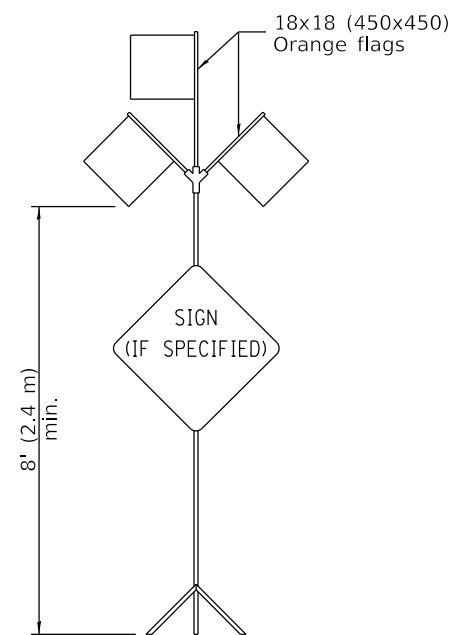
**POST MOUNTED SIGNS**

\*\* 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	END CONSTRUCTION
G20-I104(0)-6036	G20-I105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.  
 ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.  
 END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).  
 Dual sign displays shall be utilized on multi-lane highways.

**WORK LIMIT SIGNING**

WORK ZONE	W21-III5(0)-3618
SPEED LIMIT XX	R2-1-3648
PHOTO ENFORCED	R10-I108p-3618 ****
\$XXX FINE MINIMUM	R2-I106p-3618

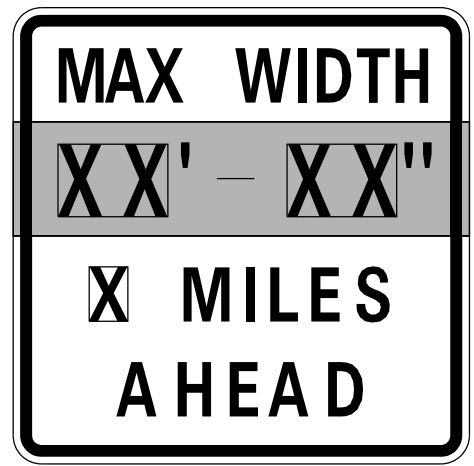
Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT	G20-I103-6036
---------------------------	---------------

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

**HIGHWAY CONSTRUCTION SPEED ZONE SIGNS**

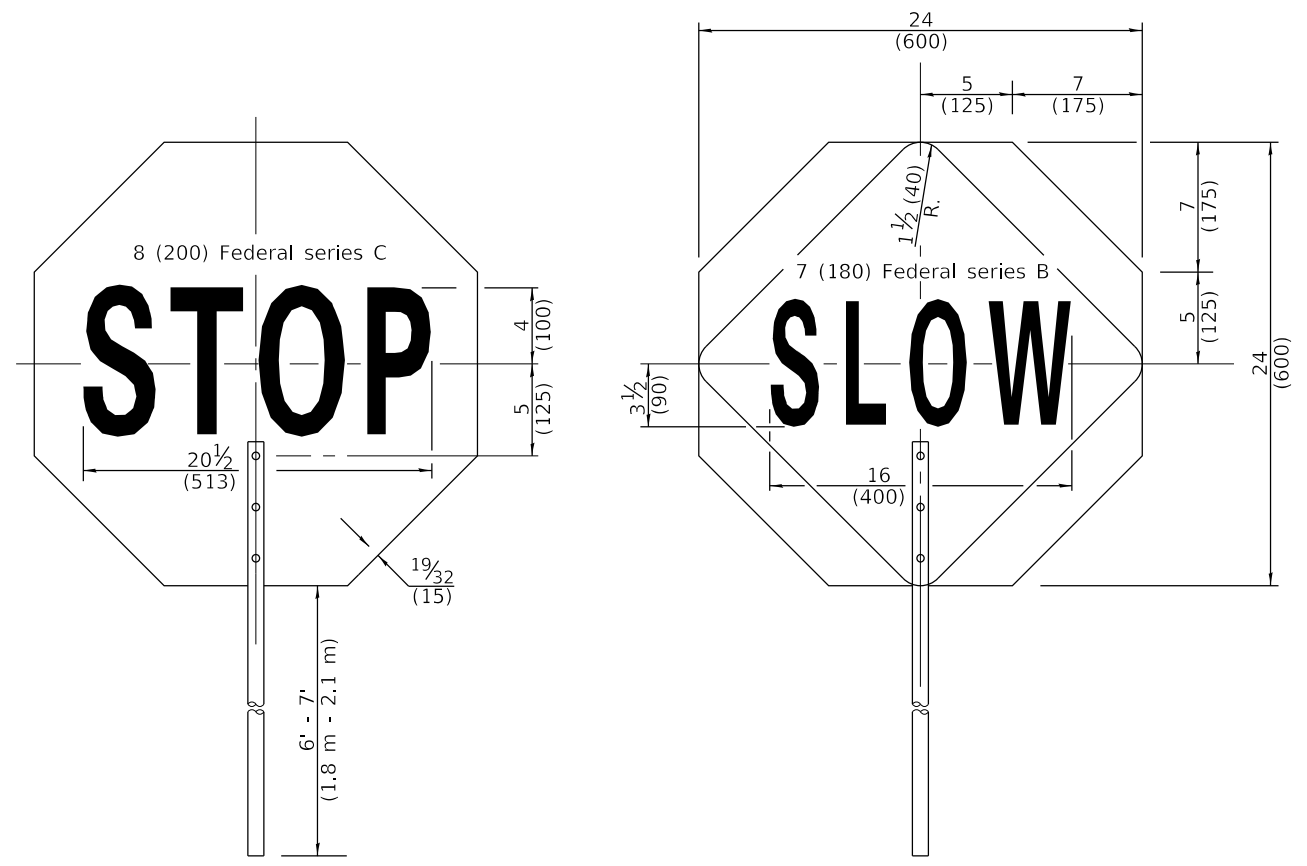
\*\*\*\* R10-I108p shall only be used along roadways under the jurisdiction of the State.



W12-I103-4848

**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

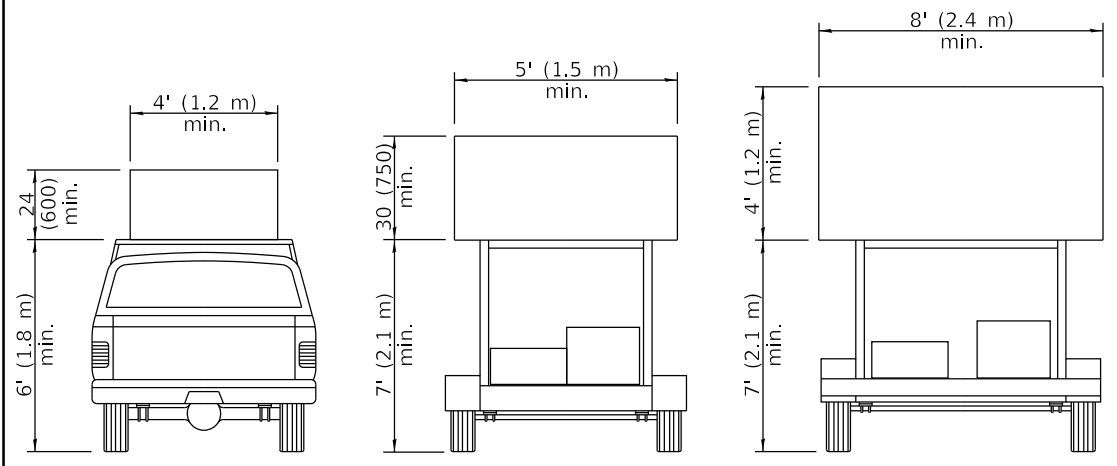
APPROVED January 1, 2019  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

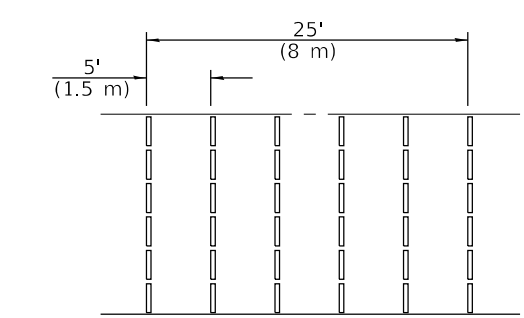
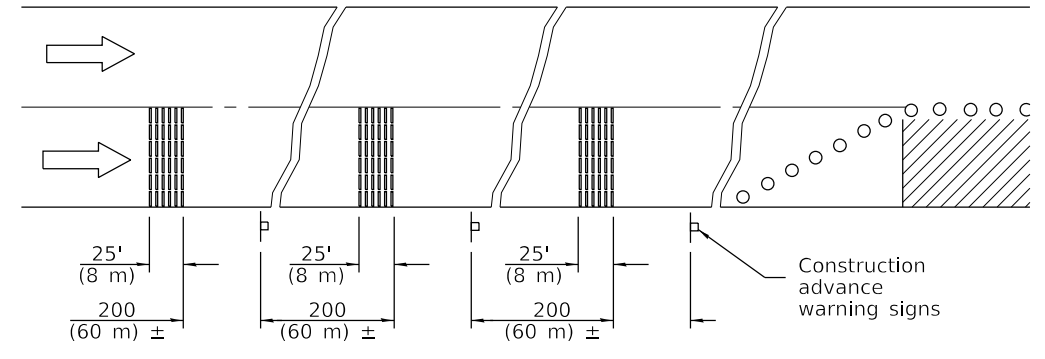
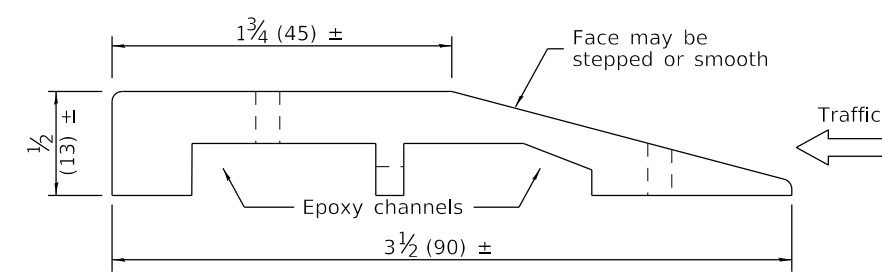
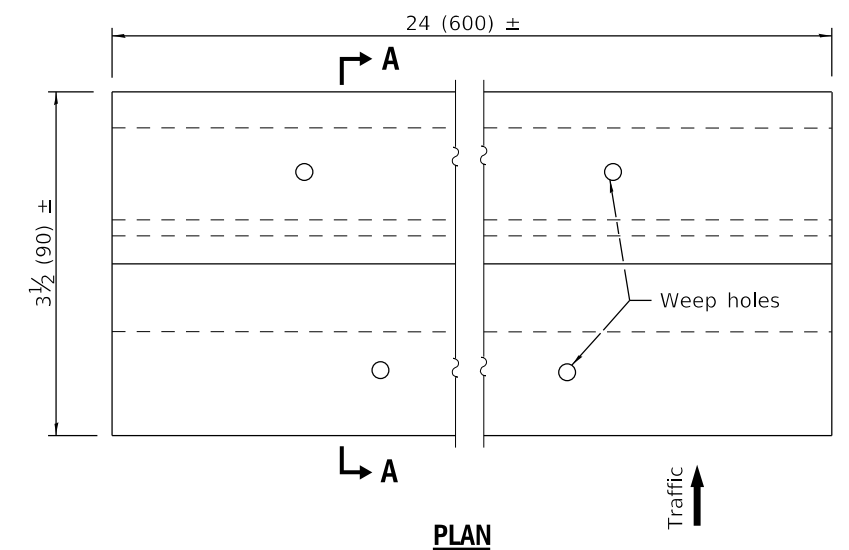
**TRAFFIC CONTROL DEVICES**

(Sheet 2 of 3)

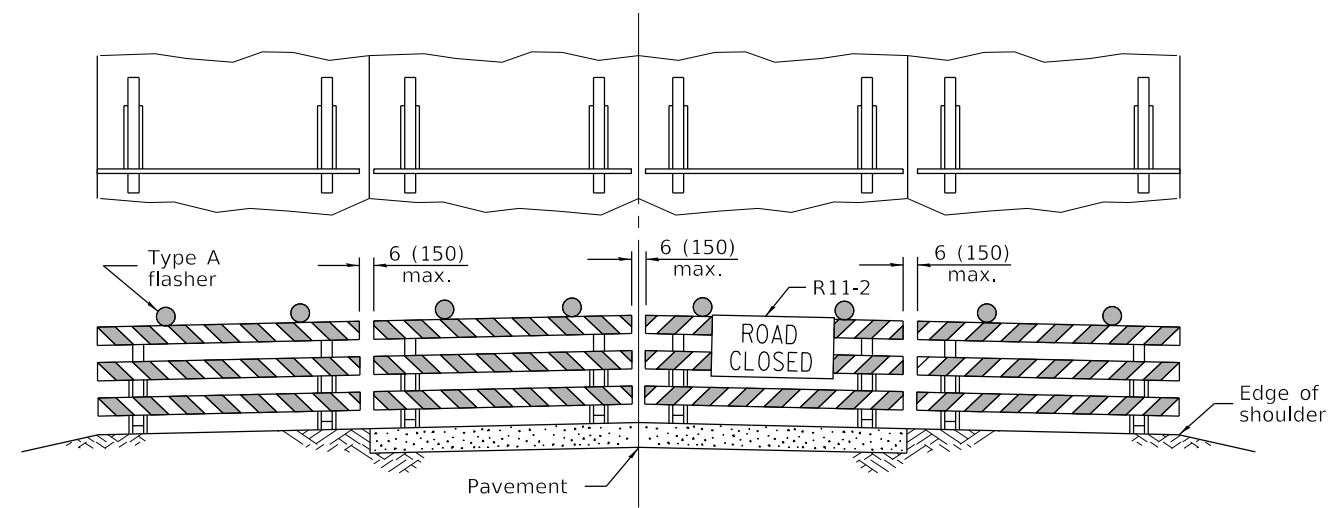
**STANDARD 701901-08**



**ARROW BOARDS**

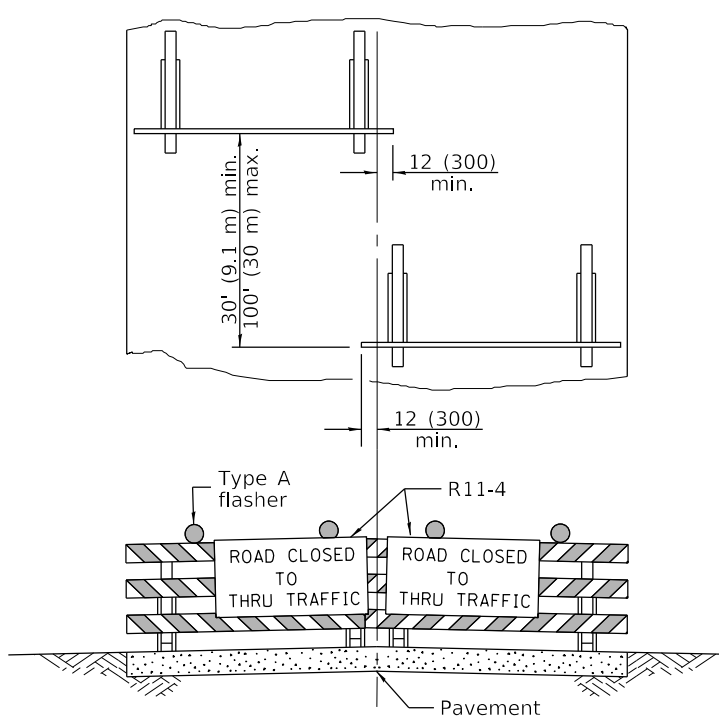


**TEMPORARY RUMBLE STRIPS**



**ROAD CLOSED TO ALL TRAFFIC**

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



**ROAD CLOSED TO THRU TRAFFIC**

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

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

**TRAFFIC CONTROL DEVICES**

(Sheet 3 of 3)

**STANDARD 701901-08**

Illinois Department of Transportation

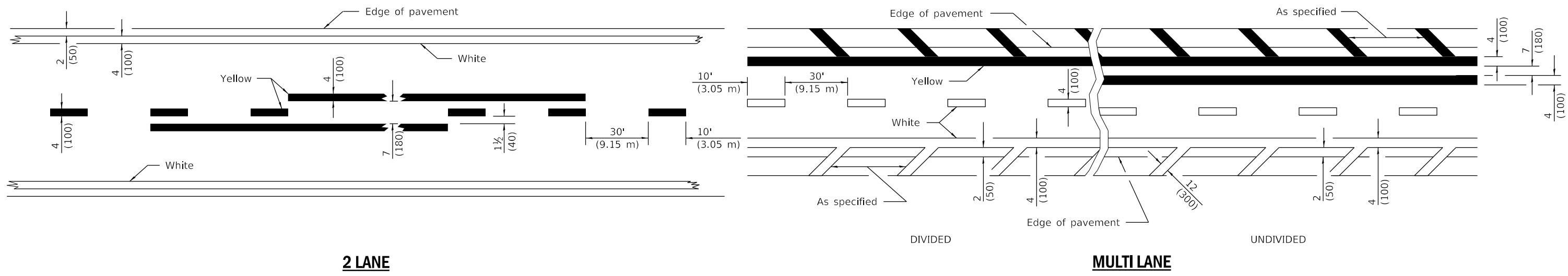
APPROVED January 1, 2019

*Cynthia Watt*  
ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019

*Joe E. ...*  
ENGINEER OF DESIGN AND ENVIRONMENT

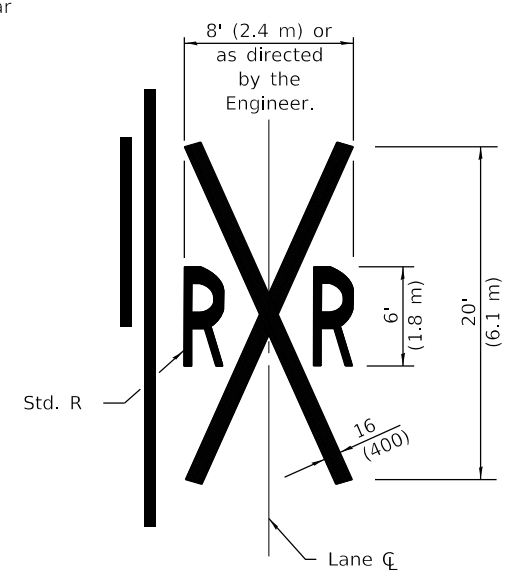
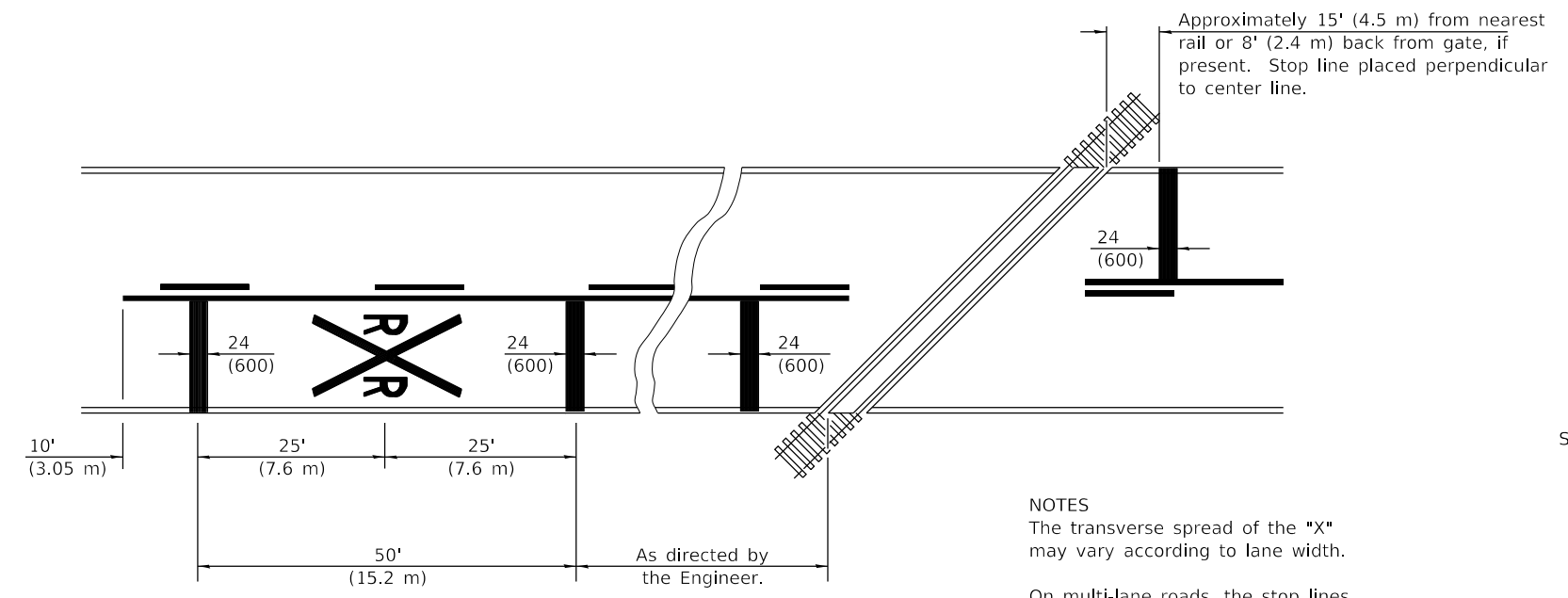
ISSUES: E1-1-1 Q3581



**2 LANE**

**MULTI LANE**

**LANE AND EDGE LINES**



**NOTES**  
 The transverse spread of the "X" may vary according to lane width.  
 On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.  
 When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**

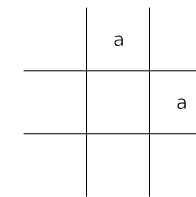
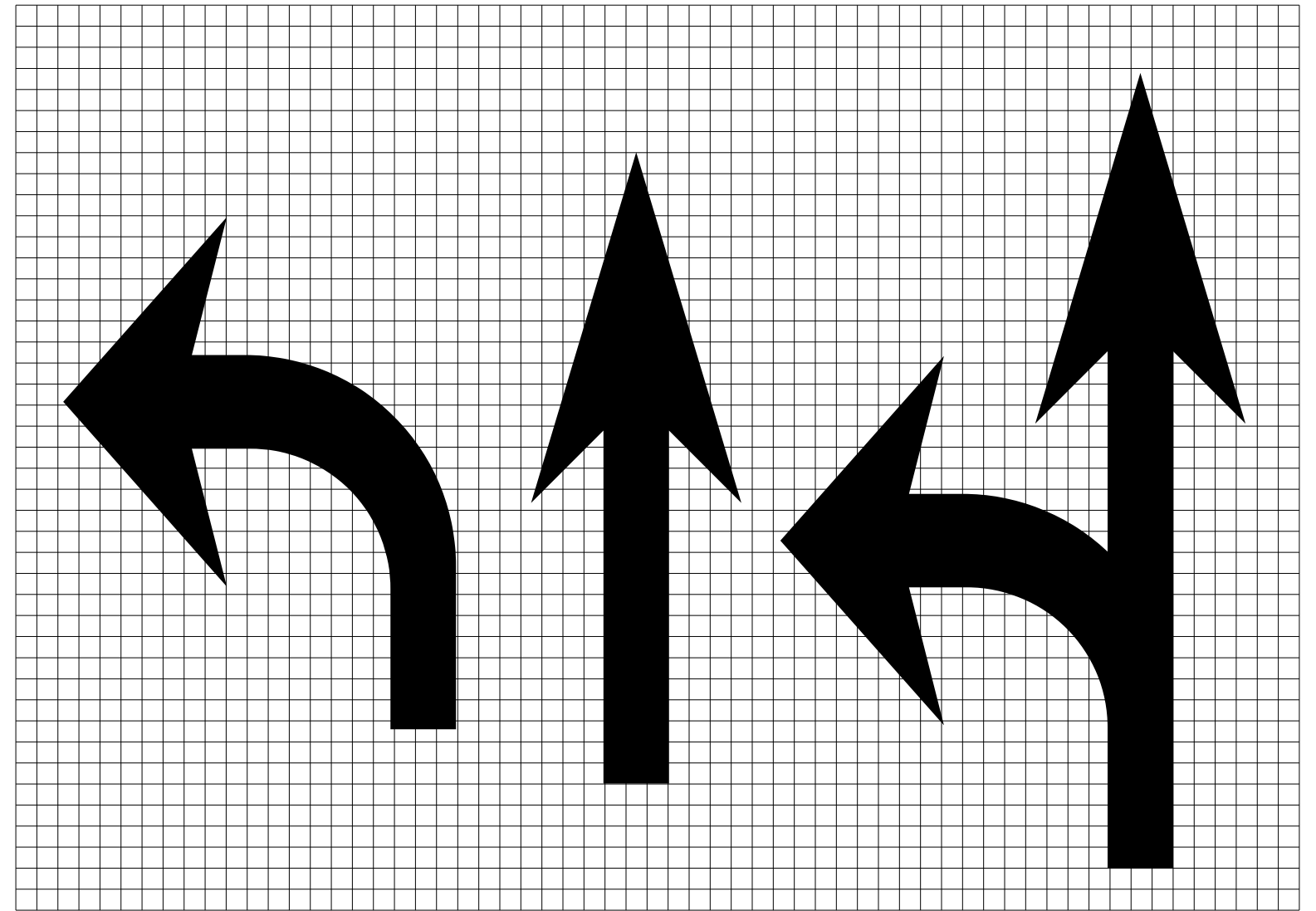
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Added symbols. Revised bike symbol. Revised note for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed 'LANE DROP ARROW' detail to 'LANE-REDUCTION ARROW'.

**TYPICAL PAVEMENT MARKINGS**  
 (Sheet 1 of 3)  
**STANDARD 780001-05**

Illinois Department of Transportation  
 PASSED January 1, 2015  
 ENGINEER OF OPERATIONS  
 APPROVED January 1, 2015  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 ISSUED 1-1-97






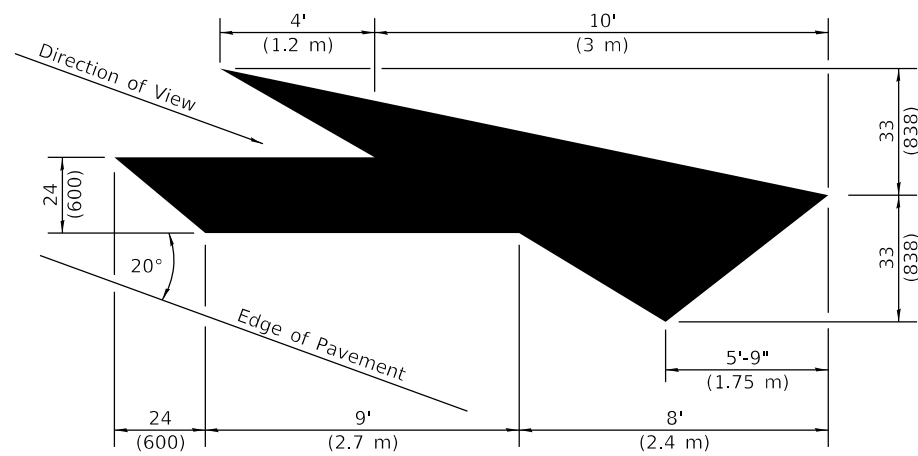
Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

**LETTER AND ARROW GRID SCALE**

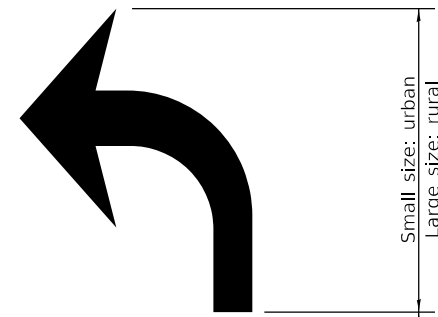
 Illinois Department of Transportation  
 PASSED January 1, 2015  
*Amy Eller*  
 ENGINEER OF OPERATIONS  
 APPROVED January 1, 2015  
*RE*  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 ISSUED 1-1-97

**TYPICAL PAVEMENT MARKINGS**  
 (Sheet 2 of 3)  
**STANDARD 780001-05**



**LANE-REDUCTION ARROW**

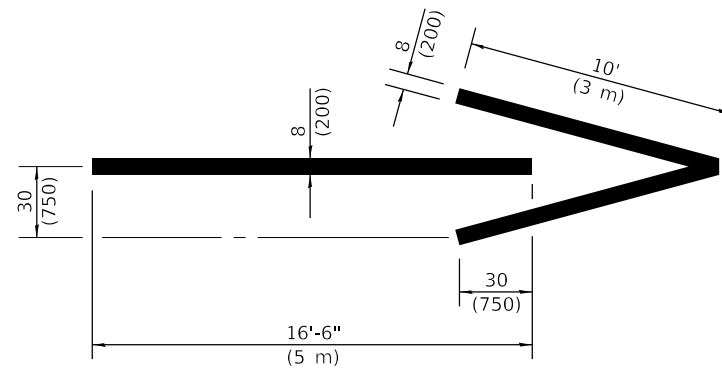
Right lane-reduction arrow shown.  
Use mirror image for left lane.



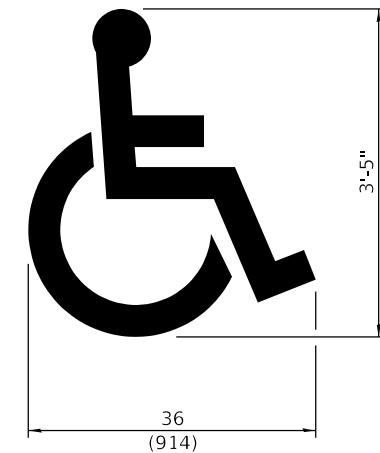
20' (6 m): urban  
50' (15 m): rural  
(Between arrow  
and word or  
between words)



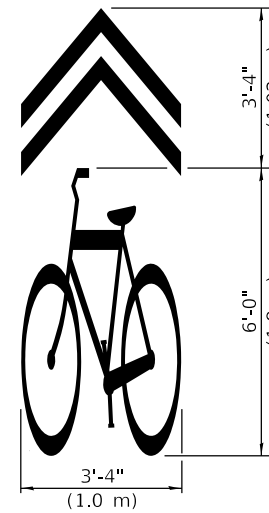
**WORD AND ARROW LAYOUT**



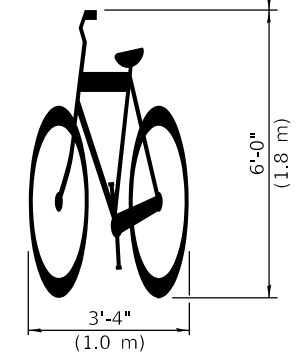
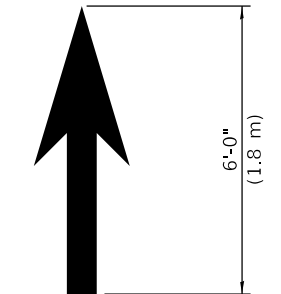
**WRONG WAY ARROW**



**INTERNATIONAL  
SYMBOL OF  
ACCESSIBILITY**



**SHARED LANE  
SYMBOL**



**BIKE SYMBOL**  
(Arrow is optional.)

Illinois Department of Transportation

PASSED January 1, 2015  
*Amy Allen*  
 ENGINEER OF OPERATIONS

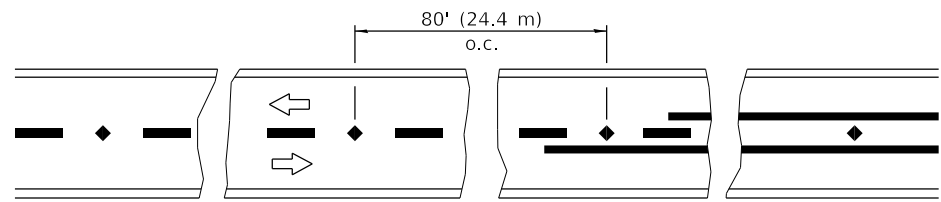
APPROVED January 1, 2015  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**TYPICAL PAVEMENT  
MARKINGS**

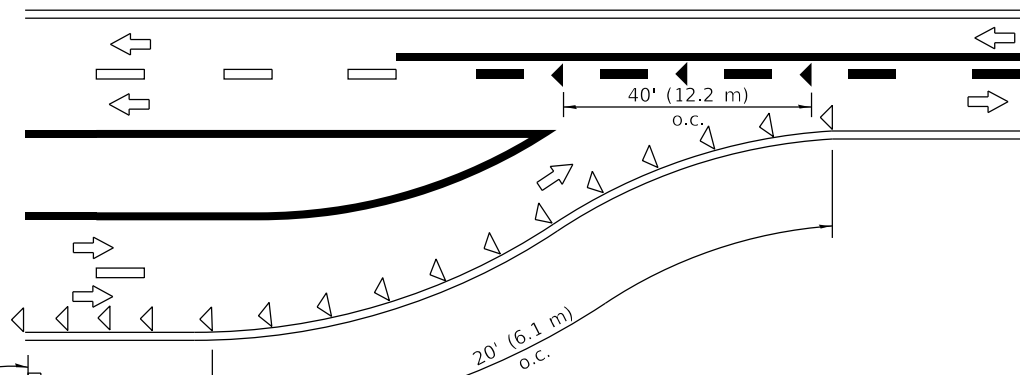
(Sheet 3 of 3)

**STANDARD 780001-05**



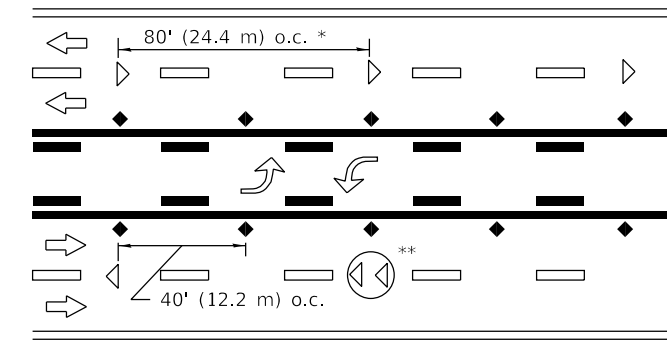
Reduce to 40' (12.2 m) o.c. on curves with posted or advisory speeds of 45 mph (70 km/h) or less.

**TWO-LANE / TWO-WAY**



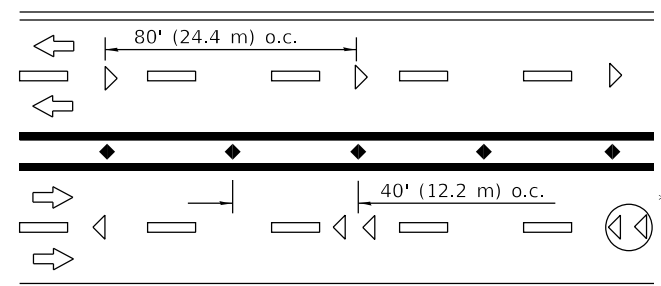
W4-2

**LANE REDUCTION TRANSITION**



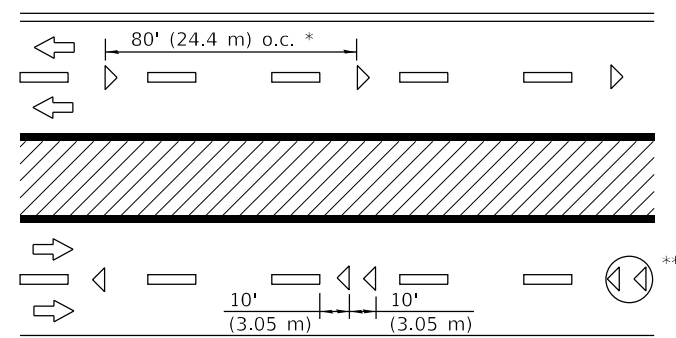
\*,\*\* See MULTI LANE DIVIDED detail for lane marker notes.

**TWO-WAY LEFT TURN**



\*,\*\* See MULTI LANE DIVIDED detail for lane marker notes.

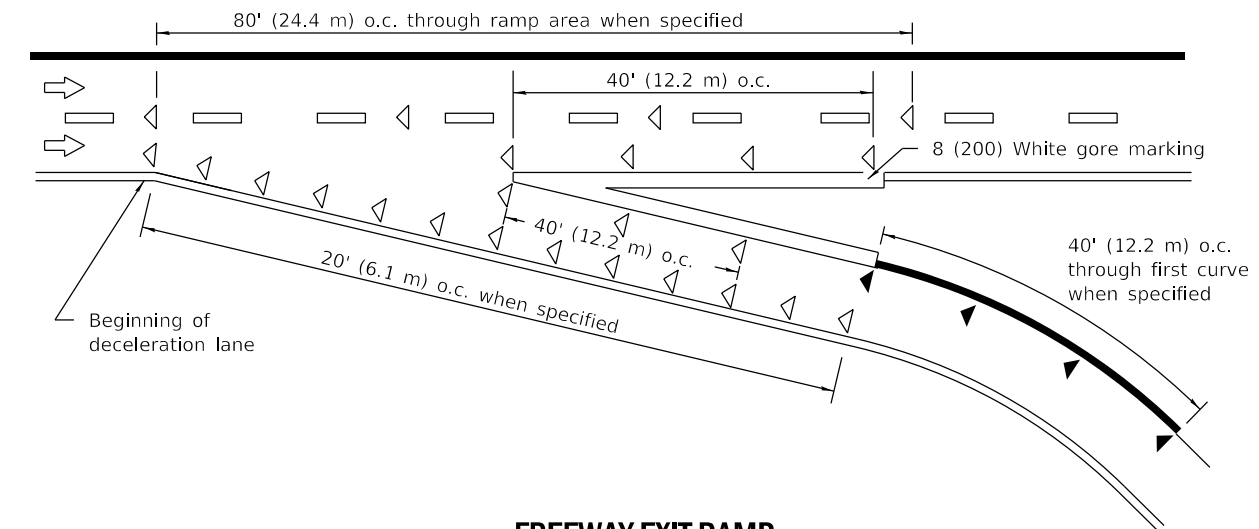
**MULTI-LANE UNDIVIDED**



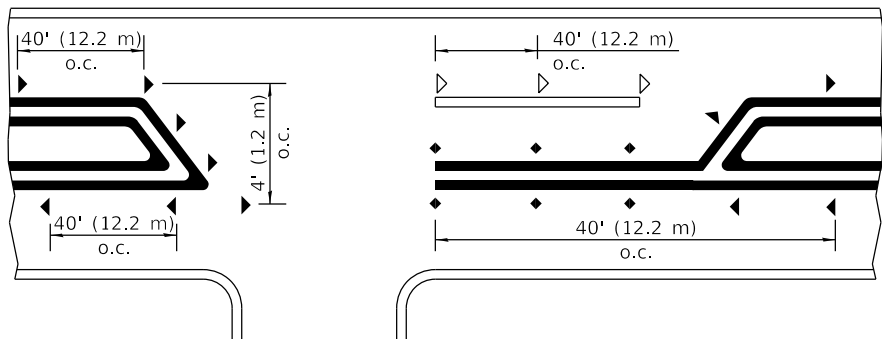
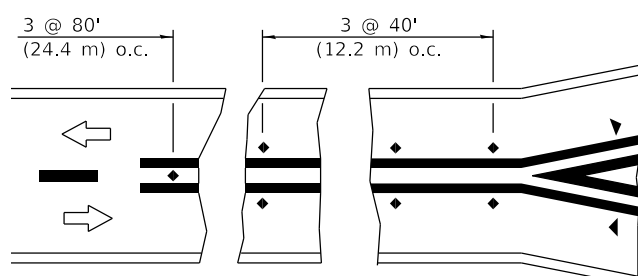
\* Reduce to 40' (12.2 m) o.c. on curves where advisory speeds are 10 mph (15 km/h) lower than posted speeds.

\*\* Where double lane line markers are specified, they shall be spaced as shown.

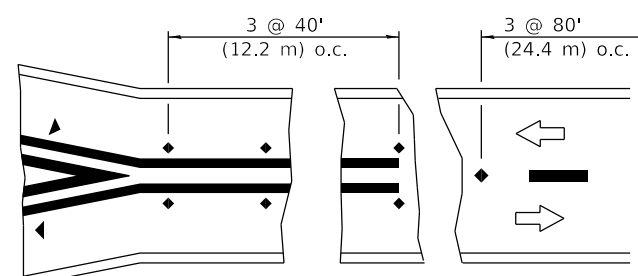
**MULTI-LANE DIVIDED**



**FREEWAY EXIT RAMP**



**RURAL LEFT TURN**



**SYMBOLS**

- Yellow stripe
- White stripe
- One-way amber marker
- One-way crystal marker
- Two-way amber marker

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

Illinois Department of Transportation

PASSED April 1, 2016  
*Amy Eller*  
 ENGINEER OF OPERATIONS

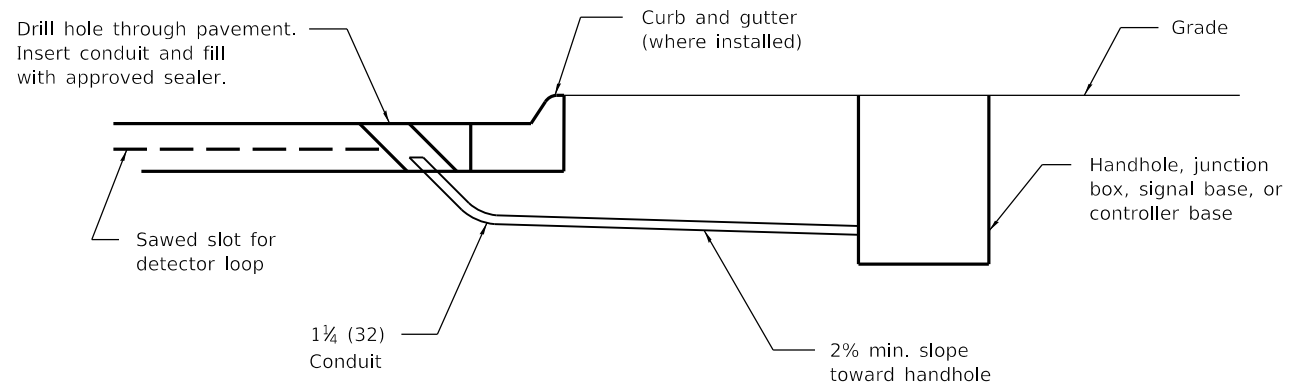
APPROVED April 1, 2016  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

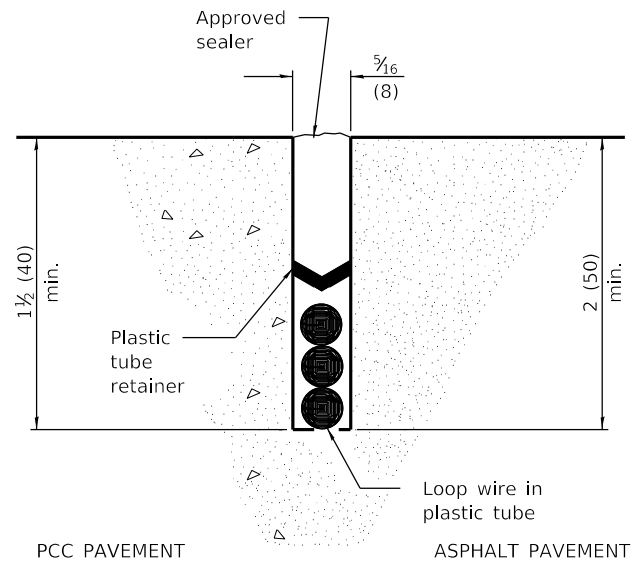
DATE	REVISIONS
4-1-16	Revised LANE ENDS sign
	W4-2 to agree with current MUTCD.
1-1-09	Switched units to English (metric).

**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE  
 PAVEMENT MARKERS**

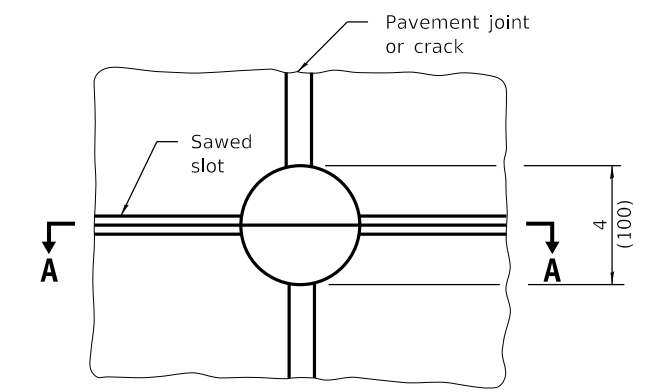
**STANDARD 781001-04**



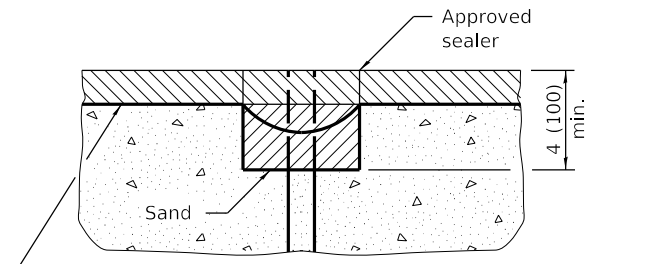
**DETECTOR LOOP LEAD-IN**



**DETECTOR LOOP INSTALLATION**



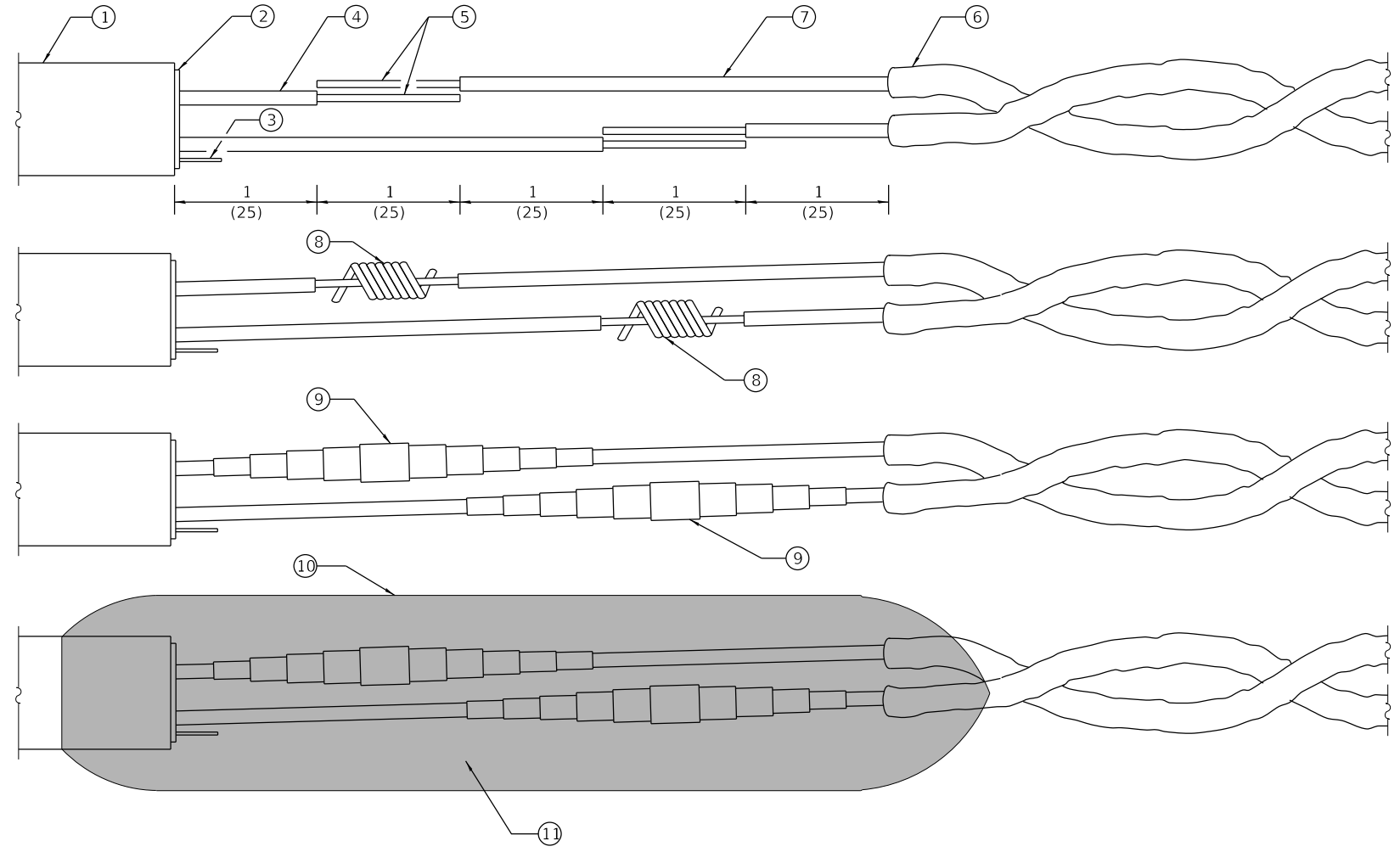
**PLAN**



**SECTION A-A**

NOTE  
Loop wire shall follow saw cut to bottom, forming slack section at joint.

**DETECTOR LOOP AT PAVEMENT JOINT OR PAVEMENT CRACK**



**LOOP WIRE AND LEAD-IN CABLE SPLICE**

- ① = Lead-in cable (single pair or multipair)
- ② = Lead-in cable shield
- ③ = Lead-in cable shield drain-wire
- ④ = Lead-in cable insulated conductor
- ⑤ = Bare conductor
- ⑥ = Loop wire in tube
- ⑦ = Loop wire insulated conductor
- ⑧ = Twisted and resin soldered conductor
- ⑨ = Electrical tape insulated splice
- ⑩ = Rigid mold
- ⑪ = Waterproof and dielectric resin

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

Illinois Department of Transportation

PASSED January 1, 2009  
*[Signature]*  
 ENGINEER OF OPERATIONS

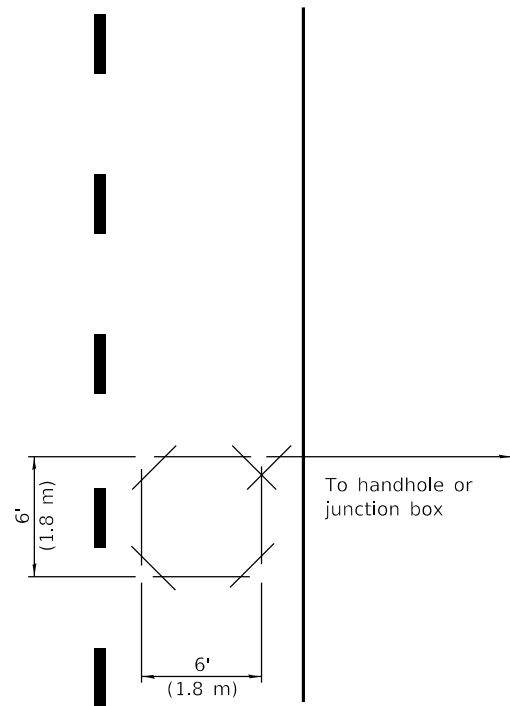
APPROVED January 1, 2009  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02

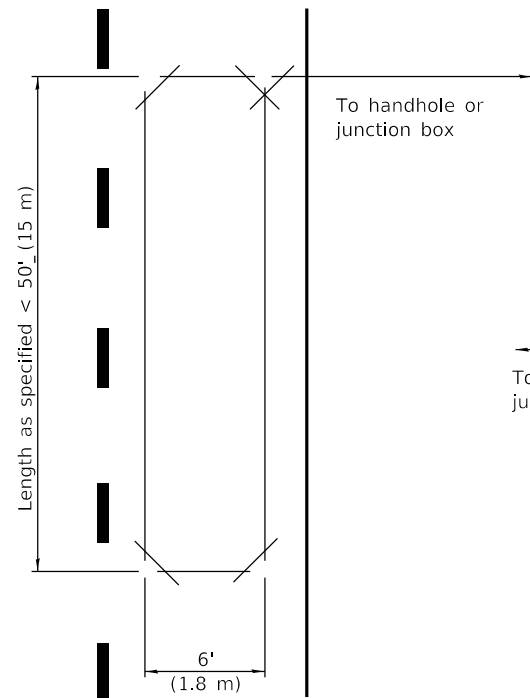
DATE	REVISIONS
1-1-09	Switched units to English (metric)
1-1-02	Renum. Standard 846001.

**DETECTOR LOOP INSTALLATIONS**

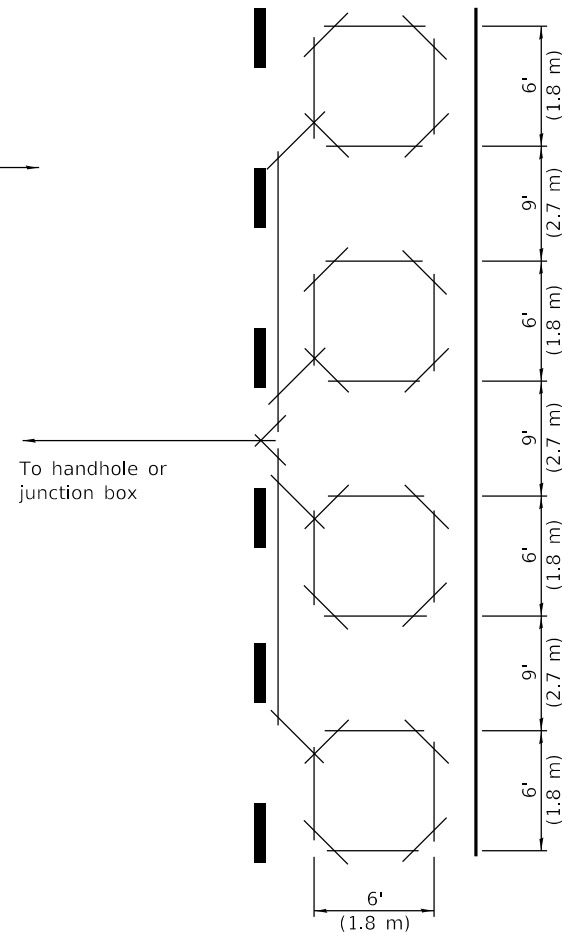
**STANDARD 886001-01**



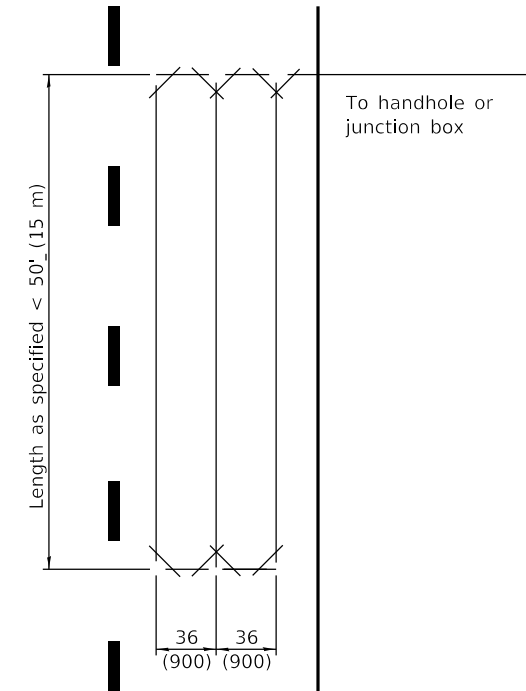
FOR POINT DETECTION  
SHORT LOOP



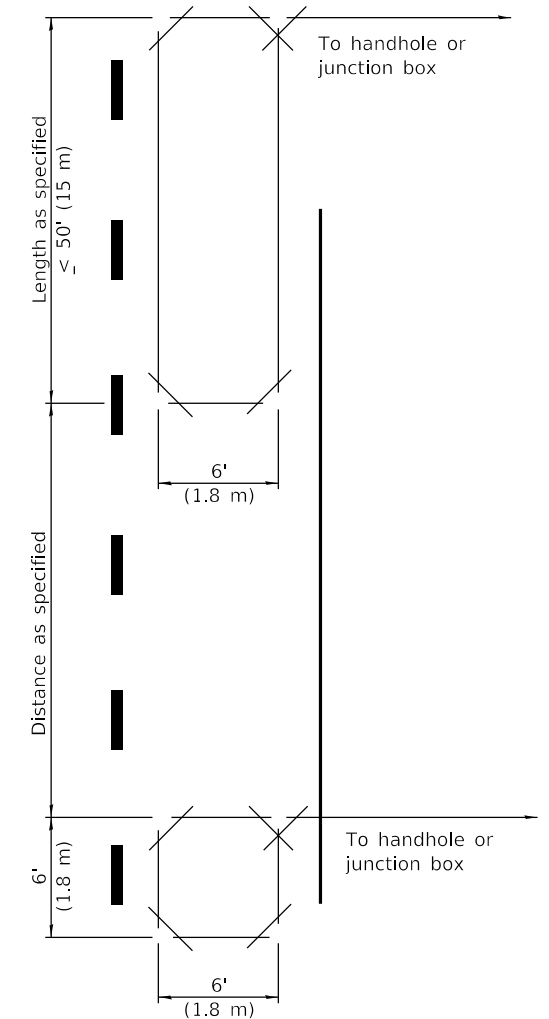
FOR PRESENCE DETECTION  
LONG LOOP



FOR PRESENCE DETECTION  
MULTIPLE LOOP IN SERIES

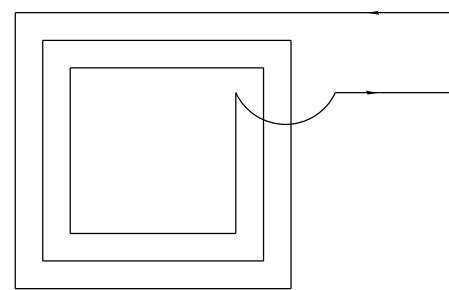


FOR PRESENCE DETECTION  
QUADRUPOLE LOOP

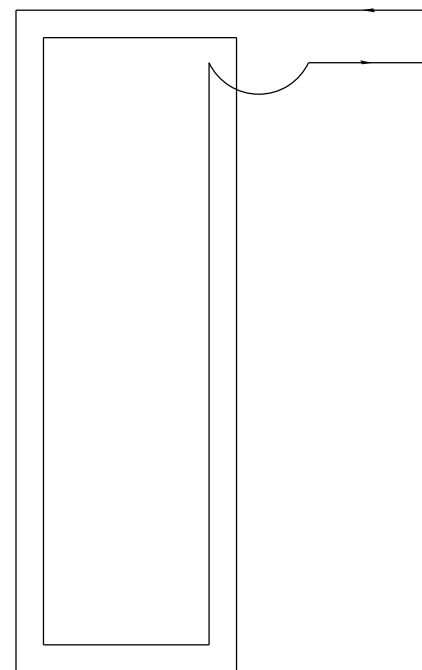


FOR EXTENDED-CALL DETECTION

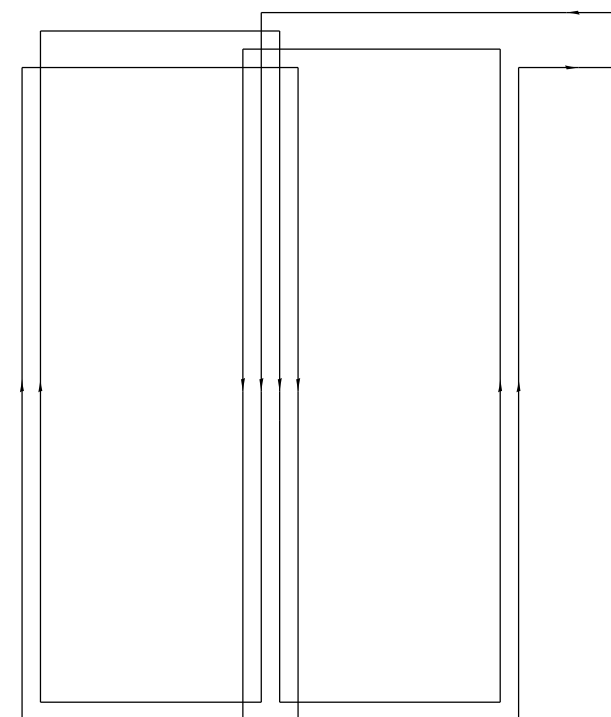
**SLOT PLAN**



SHORT LOOP



LONG LOOP



QUADRUPOLE LOOP

**WIRING DIAGRAM**

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

DATE	REVISIONS
1-1-09	Switched units to English (metric)
1-1-02	Renum. Standard 846006.

**TYPICAL LAYOUTS  
FOR DETECTION LOOPS**

**STANDARD 886006-01**

Illinois Department of Transportation

PASSED January 1, 2009  
  
 ENGINEER OF OPERATIONS

APPROVED January 1, 2009  
  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02

**SECTION G**

Supplemental Project Information



February 22, 2022  
ERI Ref No: E521.001

Engineering & Research Int'l, Inc.  
1401 Regency Drive East  
Savoy, Illinois 61874 USA  
217-356-5945 (Phone)  
217-356-6347 (Fax)  
eri@erikuab.com  
www.erikuab.com

Mr. Brian D. Schmidt, P.E., P.T.O.E.  
1022 Eastport Plaza Drive  
Collinsville, IL 62234

**Subject: Report on Pavement Coring on Windsor Road from the Western border of Urbana to 350' West of Race Street– Urbana, IL**

Dear Mr. Schmidt,

Engineering and Research Int'l, Inc. (ERI) was contracted by Fuhrmann Engineering for a total of ten (10) pavement cores along Windsor Road from the Western border of Urbana to 350' West of Race Street in Urbana, IL. The core locations are attached. Per ERI's request, core locations have been moved to the wheel path, but remaining in the lane that Fuhrmann Engineering requested. The distance from centerline of Windsor Road is noted in **Table 1**. Also, please note that the distances from beginning of the Project were provided by Fuhrmann Engineering and we were able to keep those locations very close to what was given to ERI, with the exception of C-7 which was moved 50' to the East to avoid the cracking we found.

ERI performed the pavement coring on 02/15/22 and 02/21/2022. Pavement coring results: Pavement Thickness, Depth, and type of Base layer are compiled in **Table 1**.

Please contact us if you may have any questions on this report.

Sincerely,  
Engineering and Research Int'l, Inc,

Abbas A. Butt, Ph.D., P.E.  
President

Attachments:

1. Core Locations (map provided by Fuhrmann Engineering)
2. Table 1

**Table 1: Summary of Pavement Layer Thickness Data**

Corehole Number	Location	Offset From Centerline (feet)	Layer Type	Depth (inch)		Thickness (inch)	Comment/Visual Soil Classification
				From	To		
No. 1	C1: East Bound Inside Lane of East Windsor Road, 77' West of Wright Street	4'-3" (South of Centerline)	AC Layer 1	0.0	1.2	1.2	AC Layer 1 is bonded
			AC Layer 2	1.2	2.6	1.4	AC Layer 2 is unbonded
			AC Layer 3	2.6	4.0	1.4	AC Layer 3 is bonded
			AC Layer 4	4.0	6.0	2.0	AC Layer 4 is bonded
			AC Layer 5	6.0	7.5	1.5	AC Layer 5 is bonded
			AC Layer 6	7.5	9.1	1.6	AC Layer 6 is bonded
			AC Layer 7	9.1	12.4	3.3	AC Layer 7 is bonded; Total AC thickness: 12.4 inch
No. 2	C2: West Bound Outside Lane of East Windsor Road 550' from beginning of project.	19'-3" (North of Centerline)	AC Layer 1	0.0	1.4	1.4	AC Layer 1 is bonded
			AC Layer 2	1.4	3.3	1.9	AC Layer 2 is bonded
			AC Layer 3	3.3	6.5	3.2	AC Layer 3 is bonded
			AC Layer 4	6.5	12.5	6.0	AC Layer 4 is bonded; Total AC thickness: 12.5 inch
			Subgrade Soil	12.5	Down		
No. 3	C3: East Bound Outside Lane of East Windsor Road 1100' from beginning of project.	21'-3" (South of Centerline)	AC Layer 1	0.0	1.6	1.6	AC Layer 1 is bonded
			AC Layer 2	1.6	3.6	2.0	AC Layer 2 is bonded
			AC Layer 3	3.6	4.6	1.0	AC Layer 3 is unbonded
			AC Layer 4	4.6	6.5	1.9	AC Layer 4 is bonded
			AC Layer 5	6.5	7.6	1.1	AC Layer 5 is bonded
			AC Layer 6	7.6	12.6	5.0	AC Layer 6 is bonded; Total AC thickness: 12.6 inch
			Subgrade Soil	12.6	Down		
No. 4	C4: West Bound Inside Lane of East Windsor Road 1650' from beginning of project.	4'-7" (North of Centerline)	AC Layer 1	0.0	1.0	1.0	AC Layer 1 is bonded
			AC Layer 2	1.0	2.9	1.9	AC Layer 2 is bonded
			AC Layer 3	2.9	5.6	2.7	AC Layer 3 is bonded
			AC Layer 4	5.6	11.6	6.0	AC Layer 4 is bonded; Total AC thickness: 11.6 inch
			Aggregate Base	11.6	16.0	4.4	
			Subgrade Soil	16.0	Down		
No. 5	C5: East Bound Inside Lane of East Windsor Road 2200' from beginning of project.	5'-3" (South of Centerline)	AC Layer 1	0.0	1.7	1.7	AC Layer 1 is bonded
			AC Layer 2	1.7	3.8	2.1	AC Layer 2 is bonded
			AC Layer 3	3.8	6.1	2.3	AC Layer 3 is bonded
			AC Layer 4	6.1	8.5	2.4	AC Layer 4 is bonded
			AC Layer 5	8.5	11.6	3.1	AC Layer 5 is bonded
			AC Layer 6	11.6	15.0	3.4	AC Layer 6 is bonded; Total AC thickness: 15 inch
			Subgrade Soil	15.0	Down		
No. 6	C6: West Bound Outside Lane of East Windsor Road 2750' from beginning of project.	21'-1" (North of Centerline)	AC Layer 1	0.0	1.0	1.0	AC Layer 1 is bonded
			AC Layer 2	1.0	3.5	2.5	AC Layer 2 is bonded
			AC Layer 3	3.5	6.4	2.9	AC Layer 3 is bonded
			AC Layer 4	6.4	12.4	6.0	AC Layer 4 is bonded; Total AC thickness: 12.4 inch
			Aggregate Base	12.4	16.7	4.3	
			Subgrade Soil	16.7	Down		
No. 7	C7: East Bound Outside Lane of East Windsor Road 3350' from beginning of project.	23'-9" (South of Centerline)	AC Layer 1	0.0	1.5	1.5	AC Layer 1 is unbonded
			AC Layer 2	1.5	3.3	1.8	AC Layer 2 is bonded
			AC Layer 3	3.3	5.1	1.8	AC Layer 3 is bonded
			AC Layer 4	5.1	8.0	2.9	AC Layer 4 is bonded
			AC Layer 5	8.0	14.1	6.1	AC Layer 5 is bonded; Total AC thickness: 14.1 inch
			Subgrade Soil	14.1	Down		
No. 8	C8: West Bound Inside Lane of East Windsor Road 3850' from beginning of project.	3'-10" (North of Centerline)	AC Layer 1	0.0	1.6	1.6	AC Layer 1 is bonded
			AC Layer 2	1.6	3.7	2.1	AC Layer 2 is bonded
			AC Layer 3	3.7	5.7	2.0	AC Layer 3 is bonded
			AC Layer 4	5.7	8.5	2.8	AC Layer 4 is bonded
			AC Layer 5	8.5	13.3	4.8	AC Layer 5 is bonded; Total AC thickness: 13.3 inch
			Subgrade Soil	13.3	Down		
No. 9	C9: East Bound Inside Lane of East Windsor Road 4400' from beginning of project.	6'-1" (South of Centerline)	AC Layer 1	0.0	1.6	1.6	AC Layer 1 is bonded
			AC Layer 2	1.6	4.3	2.7	AC Layer 2 is bonded
			AC Layer 3	4.3	7.8	3.5	AC Layer 3 is bonded
			AC Layer 4	7.8	14.1	6.3	AC Layer 4 is bonded; Total AC thickness: 14.1 inch
			Subgrade Soil	14.1	Down		
No. 10	C10: West Bound Outside Lane of East Windsor Road 360' West of Race Street	21'-10" (North of Centerline)	AC Layer 1	0.0	1.6	1.6	AC Layer 1 is bonded
			AC Layer 2	1.6	4.4	2.8	AC Layer 2 is unbonded
			AC Layer 3	4.4	7.6	3.2	AC Layer 3 is bonded
			AC Layer 4	7.6	9.7	2.1	AC Layer 4 is bonded
			AC Layer 5	9.7	14.4	4.7	AC Layer 5 is bonded; Total AC thickness: 14.4 inch
			Subgrade Soil	14.4	Down		