

# 177

**Letting June 13, 2025**

## **Notice to Bidders, Specifications and Proposal**



**Illinois Department  
of Transportation**

**Contract No. 97771  
ST. CLAIR County  
Section 18-00276-06-PP  
Route FAU 9168 (Old Collinsville Road)  
Project 267A-069 ()  
District 8 Construction Funds**

Plans Included  
Herein

Prepared by

Checked by

F

(Printed by authority of the State of Illinois)



## **NOTICE TO BIDDERS**

- 1. TIME AND PLACE OF OPENING BIDS.** Electronic bids are to be submitted to the electronic bidding system (iCX-Integrated Contractors Exchange). All bids must be submitted to the iCX system prior to 12:00 p.m. June 13, 2025 at which time the bids will be publicly opened from the iCX SecureVault.
- 2. DESCRIPTION OF WORK.** The proposed improvement is identified and advertised for bids in the Invitation for Bids as:

**Contract No. 97771  
ST. CLAIR County  
Section 18-00276-06-PP  
Project 267A-069 ()  
Route FAU 9168 (Old Collinsville Road)  
District 8 Construction Funds**

**Patching of failed concrete pavement joints along Old Collinsville Road from Lebanon Avenue to Ashland Avenue in St. Clair County. Includes raised reflective pavement markers.**

- 3. INSTRUCTIONS TO BIDDERS.** (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.  
  
(b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.
- 4. AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the rules, Invitation for Bids and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to re-advertise the proposed improvement, and to waive technicalities.

By Order of the  
Illinois Department of Transportation

Gia Biagi,  
Acting Secretary

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2025

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

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

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## BDE SPECIAL PROVISIONS

The following special provisions indicated by an "X" are applicable to this contract. An \* indicates a new or revised special provision for the letting.

<u>File Name</u>	<u>Pg.</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099		<input type="checkbox"/> Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274		<input type="checkbox"/> Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192	9	<input checked="" type="checkbox"/> Automated Flagger Assistance Device	Jan. 1, 2008	April 1, 2023
80173		<input type="checkbox"/> Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426		<input type="checkbox"/> Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
80241		<input type="checkbox"/> Bridge Demolition Debris	July 1, 2009	
50531		<input type="checkbox"/> Building Removal	Sept. 1, 1990	Aug. 1, 2022
50261		<input type="checkbox"/> Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80460	10	<input checked="" type="checkbox"/> Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
80384	21	<input checked="" type="checkbox"/> Compensable Delay Costs	June 2, 2017	April 1, 2019
80198		<input type="checkbox"/> Completion Date (via calendar days)	April 1, 2008	
80199		<input type="checkbox"/> Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80461		<input type="checkbox"/> Concrete Barrier	Jan. 1, 2025	
80453		<input type="checkbox"/> Concrete Sealer	Nov. 1, 2023	
80261	25	<input checked="" type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
* 80029	27	<input checked="" type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2025
80229		<input type="checkbox"/> Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452		<input type="checkbox"/> Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80447		<input type="checkbox"/> Grading and Shaping Ditches	Jan 1, 2023	
80433		<input type="checkbox"/> Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80456		<input type="checkbox"/> Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
80446		<input type="checkbox"/> Hot-Mix Asphalt – Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438		<input type="checkbox"/> Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80450		<input type="checkbox"/> Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
* 80464	30	<input checked="" type="checkbox"/> Pavement Marking Inspection	April 1, 2025	
80441		<input type="checkbox"/> Performance Graded Asphalt Binder	Jan 1, 2023	
80459		<input type="checkbox"/> Preformed Plastic Pavement Marking	June 2, 2024	
34261		<input type="checkbox"/> Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80455	31	<input checked="" type="checkbox"/> Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
80445		<input type="checkbox"/> Seeding	Nov. 1, 2022	
80457		<input type="checkbox"/> Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
* 80462		<input type="checkbox"/> Sign Panels and Appurtenances	Jan. 1, 2025	April 1, 2025
80448	33	<input checked="" type="checkbox"/> Source of Supply and Quality Requirements	Jan. 2, 2023	
80340		<input type="checkbox"/> Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	34	<input checked="" type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
80397	37	<input checked="" type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	38	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
* 80463	39	<input checked="" type="checkbox"/> Submission of Bidders List Information	Jan. 2, 2025	Mar. 2, 2025
80437	40	<input checked="" type="checkbox"/> Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
80435		<input type="checkbox"/> Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
* 80465	42	<input checked="" type="checkbox"/> Surveying Services	April 1, 2025	
* 80466		<input type="checkbox"/> Temporary Rumble Strips	April 1, 2025	
20338		<input type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
80429		<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	Nov. 1, 2022
80458		<input type="checkbox"/> Waterproofing Membrane System	Aug. 1, 2024	
* 80302	44	<input checked="" type="checkbox"/> Weekly DBE Trucking Reports	June 2, 2012	Jan. 2, 2025
80454		<input type="checkbox"/> Wood Sign Support	Nov. 1, 2023	
80427	45	<input checked="" type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
80071	47	<input checked="" type="checkbox"/> Working Days	Jan. 1, 2002	

## **Special Provisions**

The Following special provisions supplement the “Standard Specifications for Road and Bridge Construction,” adopted January 1, 2022, the latest edition of the “Manual on Uniform Traffic Control Devices for Streets and Highways” and the “Manual of Test Procedures for Materials” in effect on the date of invitation for bids and Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheets included herein which apply to and govern the construction of **Section 18-00276-06-PP, Old Collinsville Road (County Highway 70), in St. Clair County**; and in the case of conflict with any part, or parts, of said specification, the said Special Provisions shall take precedence and shall govern.

### **1. DESCRIPTION OF WORK:**

The proposed improvement of **Section 18-00276-06-PP, Old Collinsville Road (C.H. 70)**, shall consist of patching of failed concrete pavement joints, replacement of non-functioning raised reflective pavement markers, and appurtenances.

### **2. CONSTRUCTION CONTRACTS:**

The successful bidder, as a condition of this contract, must submit evidence that he has conducted a pre-job conference with his sub-contractors and their employees, or the employee’s duly recognized representatives and union officials, to determine employee jurisdiction, job assignment and work schedules. This requirement is to promote industrial harmony and to eliminate work stoppage and jurisdictional disputes. Said pre-job conference shall be conducted at least fourteen (14) days prior to the commencement of any construction.

### **3. JOINT UTILITY INFORMATION FOR EXCAVATORS (J.U.L.I.E.):**

This work shall be done in accordance with Article 107.39 of the Standard Specifications except as herein modified:

Because a minimum of 48 hours advance notice is required for notification to utilities, the Contractor will be required to give the Resident Engineer a 96 hour notice, in writing, for a specific area prior to beginning any excavation.

Locations of proposed signposts, guardrail, sign, light, or signal foundations, etc., shall be staked by the Engineer and then notice provided as above.

If any of the location markers placed by a utility company in conformance with this procedure are destroyed by Contractor Operations, the Contractor shall immediately notify the utility owner and bear the cost of remarking the facilities at his own cost and expense. Compliance with this special provision shall be considered included in the cost of the contract and no additional compensation will be allowed for any costs incurred. When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of St. Clair County as to the location of such utilities and is only included for the convenience of the bidder.



County:	St. Clair	St. Clair
Township:	St. Clair (T.1N., R.8W.)	Caseyville (T.2N., R.8W.)
Section:	2, 3, 10, 11, & 14	34 & 35

**4. PROPERTY MARKERS, SURVEY MARKERS, AND/OR MONUMENTS:**

The Contractors attention is called to the property markers and monuments, and section markers throughout the project. The markers or monuments shall be protected in accordance with Article 107.20 of the Standard Specifications.

**5. SAFETY AND HEALTH:**

The Contractor shall be responsible for enforcing all O.S.H.A. Safety and Health Standards (29 CFR 1926/1910), pertaining to the construction industry, as established by the United States Department of Labor, Occupational Safety and Health Administration 2207. Compliance with this special provision shall be considered included in the cost of the contract and no additional compensation will be allowed for any costs incurred.

**6. WORK TO BE PERFORMED BY OTHERS:**

The Contractor's attention is called to the utility facilities within the right of way limits of construction. Unless otherwise provided, any required adjustment of the various facilities will be performed by others.

The plans may not show the location of all utility facilities or the manner in which the adjustment will be made. In the event the Contractor desires more detailed information on the exact location of facilities and the working schedules for any required adjustment, it is suggested that it be obtained from the attached status of utilities to be adjusted and/or the utility company involved.

It is understood and agreed that the Contractor has taken the foregoing into consideration in submitting his bid, and no additional compensation will be allowed for any delays or inconveniences caused by same.

**7. SUGGESTED SEQUENCE OF CONSTRUCTION**

The provisions for routing of traffic during construction and the sequence of construction operations shall be in general conformity with the Standard Plans and as required by the Engineer.

**8. TRAFFIC CONTROL PLAN:**

Traffic Control shall be in accordance with the applicable section of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on the Uniform Traffic Control Devices for Streets and Highways, these special provisions, and any Highway Standards and special details contained herein and in the plans.

At the preconstruction meeting, the Contractor shall furnish the name of the individual in his direct employ who is to be responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications for Road and Bridge Construction. This shall not relieve the Contractor of the foregoing requirement for a responsible individual in his direct employ. The Contractor will provide the County the name of its representative who will be responsible for the administration of the Traffic Control Plan.

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

Any additional cost to the Contractor, due to furnishing, erecting, maintaining and removing all warning signs, flags, barricades and lights as required by the special provision, Traffic Control Standards, Article 107.14, the Manual of Uniform Traffic Control Devices for Construction and Maintenance Operations, 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 Article 107.09 and 107.14 and Section 701 of the Standard Specifications for Road and Bridge Construction and the following (a) Highway Standards and (b) other special provisions relating to traffic control.

- (a) Standards 701201, 701301, 701311, 701336, and 701901 are to be used in traffic control.
- (b) The contractor shall stage all work in such a way as to maintain ingress and egress to all abutting properties at all times during construction. At a minimum, the contractor shall provide an all-weather surface of sufficient width to accommodate the anticipated amount of traffic. If during the course of construction the engineer feels the method used is not sufficient then revisions shall be made to meet the approval of the engineer. The cost of constructing, revising (if necessary), maintaining and removing and properly disposing of this material shall be included in the cost of **TRAFFIC CONTROL AND PROTECTION, (SPECIAL)** and no additional compensation will be allowed.

Due to the nature of the construction process there will be times, short in nature, that access to adjoining properties will be cut-off. Therefore, in order to keep any inconveniences to a minimum, the contractor shall be responsible for notifying said adjacent property owners in advance of his operations in order to allow them ample time to move their vehicles if necessary.

#### **9. TRAFFIC CONTROL AND PROTECTION, (SPECIAL):**

This work shall be done in accordance with Section 701 of the Standard Specifications, as shown on the plans, and/or as directed by the Engineer.

The advance warning signage shall be placed as shown on the plans and/or as directed by the Engineer.

This work will be paid for at the contract unit price, per lump sum, for **TRAFFIC CONTROL AND PROTECTION, (SPECIAL)**, which price shall include all material and labor required to install, maintain, reposition and dismount the various items as shown on the plans and/or as directed by the Engineer.

**10. STATUS OF UTILITIES:**

**STATUS OF  
UTILITIES TO BE ADJUSTED**

<u>Name and Address of Utility</u>	<u>Type</u>	<u>Location</u>	<u>Estimated Date Relocation Completed</u>
AMEREN ILLINOIS	GAS & ELECTRIC	PROJECT LIMITS	NONE ANTICIPATED
ATT DISTRIBUTION	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
CHARTER/SPECTRUM	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
CLEARWAVE COMMUNICATIONS	<del>COMMUNICATIONS</del>	PROJECT LIMITS	NO CONFLICTS
CASEYVILLE TWP SEWER	SANITARY SEWER	PROJECT LIMITS	NO CONFLICTS
ERVIN CABLE CONSTRUCTION	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
IL AMERICAN WATER	<del>WATER</del>	PROJECT LIMITS	NONE ANTICIPATED

The above represents the best information of the Department and is only included for the convenience of the bidder. The applicable provisions of Articles 102, 105.07, and 107.19 of the Standard Specifications for Road and Bridge Construction shall apply.

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

11. LR 107-4 INSURANCE:

LR107-4  
Page 1 of 1

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:

St. Clair County, IL and the Public Building Commission of St. Clair County, IL

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

**12. PAVEMENT FABRIC (SPECIAL):**

This work shall be done in accordance with Section 442 of the Standard Specifications, per the applicable Highway Standards, as shown on the plans, and/or as directed by the Engineer.

This work will be paid for at the contract unit price, per square yard, for **PAVEMENT FABRIC, (SPECIAL)**, which price shall include all material, equipment and labor required to construct as shown on the plans and/or as directed by the Engineer.

**13. SUBMITTAL OF EEO/LABOR DOCUMENTATION:**

Effective: April 2016

This work shall be done in accordance with Check Sheets No. 1, 3 and 5 of the IDOT Supplemental Specifications and Recurring Special Provisions and the "Weekly DBE Trucking Reports (BDE)" Special Provision, except as here-in modified.

**PAYROLL AND STATEMENT OF COMPLIANCE:**

Certified payroll, (FORM SBE 48 OR AN APPROVED FACSIMILE) and the Statement of Compliance, (FORM SBE 348) shall be submitted by two methods:

1. By Mail (United States Postal Service): The ORIGINAL of the certified payroll and the Statement of Compliance for the Prime Contractor and each Subcontractor shall be submitted by mail to the Regional Engineer for District 8.
2. Electronically: Scan both the ORIGINAL of the certified payroll and the Statement of Compliance to the same PDF file and email to the District at the email address designated by the District EEO Officer.

SBE 48 and SBE 348 forms shall be submitted weekly and will be considered late if received after midnight seven (7) business days after the payroll ending date.

**WEEKLY DBE TRUCKING REPORT:**

The Weekly DBE Trucking Report, (FORM SBE 723) shall be submitted electronically. Scan the form to a PDF file and email to the District at the email address designated by the District EEO Officer.

SBE 723 forms shall be submitted weekly and will be considered late if received after midnight ten (10) business days following the reporting period.

MONTHLY LABOR SUMMARY & MONTHLY CONTRACT ACTIVITY REPORTS:

The Monthly Labor Summary Report (MLSR) shall be submitted by one of two methods:

1. For contractors having IDOT contracts valued in the aggregate at \$250,000 or less, the report may be typed or clearly handwritten using Form D8 PI0148. Submit the ORIGINAL report by mail to the Regional Engineer for District Eight. Contractors also have the option of using the method #2 outlined below.
2. For contractors having IDOT contracts valued in the aggregate at more than \$250,000, the report must be submitted in a specific "Fixed Length Comma Delimited ASCII Text File Format". This file shall be submitted by e-mail using specific file formatting criteria provided by the District EEO Officer. Contractors must submit a sample text file to District 8 for review at least fourteen (14) days prior to the start of construction.

The Monthly Contract Activity Report (MCAR) may be typed or clearly handwritten using Form D8 PI0149.

The Monthly Labor Summary Report and the Monthly Contract Activity Report shall be submitted concurrently. If the method of transmittal is method #1 above then both the MLSR and the MCAR shall be mailed together in the same envelope. If the method of transmittal is method #2 above then the MCAR shall be scanned to a .pdf file and attached to the email containing the MLSR .txt file.

The MLSR and MCAR must be submitted for each consecutive month, for the duration of the project, and will be considered late if received after midnight ten (10) calendar days following the reporting period.

REQUEST FOR APPROVAL OF SUBCONTRACTOR:

The ORIGINAL and one copy of the Request for Approval of Subcontractor (FORM BC 260A) shall be submitted to the District at the IDOT Preconstruction Conference.

SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION:

The ORIGINAL and one copy of the Substance Abuse Prevention Program Certification (FORM BC 261) shall be submitted to the District at the IDOT Preconstruction Conference.

The Contractor is required to follow submittal procedures as provided by the EEO Officer at the preconstruction conference and to follow all revisions to those procedures as issued thereafter.

If a report is rejected, it is the contractor's responsibility to make required adjustments and/or corrections and resubmit the report. Reports not submitted and accepted within the established timeframes will be considered late.

Disclosure of this information is necessary to accomplish the statutory purpose as outlined under 23CFR part 230 and 41CFR part 60.4 and the Illinois Human Rights Act. Disclosure of this information is **REQUIRED. Failure to comply with this special provision may result in the withholding of payments to the contractor, and/or cancellation, termination, or suspension of the contract in whole or part.**

**This Special Provision must be included in each subcontract agreement.**

ALL HARD COPY FORMS TO BE SUBMITTED TO:

Region 5 Engineer  
Illinois Department of Transportation  
ATTN: EEO/LABOR OFFICE  
1102 Eastport Plaza Drive  
Collinsville, IL 62234-6198

Compliance with this Special Provision shall be included in the cost of the contract and no additional compensation will be allowed for any costs incurred.

## **AUTOMATED FLAGGER ASSISTANCE DEVICES (BDE)**

Effective: January 1, 2008

Revised: April 1, 2023

Description. This work shall consist of furnishing and operating automated flagger assistance devices (AFADs) as part of the work zone traffic control and protection for two-lane highways where two-way traffic is maintained over one lane of pavement in segments where no sideroads or entrances require deployment of additional flaggers. Use of these devices shall be at the option of the Contractor.

Equipment. AFADs shall be the STOP/SLOW or Red/Yellow Lens type mounted on a trailer or moveable cart meeting the requirements of the MUTCD and NCHRP 350 or MASH 2016, Category 4.

General. AFADs shall be placed at each end of the traffic control, where a flagger is shown on the plans. The AFAD shall be setup within five degrees of vertical.

Flagger symbol signs as shown on the plans shall be replaced with "BE PREPARED TO STOP" signs when the AFAD is in operation.

Personal communication devices shall not be used to operate the AFAD.

Flagging Requirements. Flaggers and flagging requirements shall be according to Article 701.13 of the Standard Specifications and the following.

Each AFAD shall be operated by a flagger trained to operate the specific AFAD to be deployed. A minimum of two flaggers shall be on site at all times during operation. Each flagger shall be positioned outside the lane of traffic and near each AFAD's location.

Flagging equipment required for traditional flagging shall be available near each AFAD location in the event of AFAD equipment malfunction/failure.

For nighttime flagging, the AFAD and flagger shall be illuminated according to Article 701.13 of the Standard Specifications.

When not in use, AFADs will be considered non-operating equipment and shall be stored according to Article 701.11 of the Standard Specifications.

Basis of Payment. This work will not be paid for separately but shall be considered as included in the cost of the various traffic control items included in the contract.

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

Effective: January 1, 2025

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

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

Revise Article 302.02 of the Standard Specifications to read:

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

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

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

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

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

“(c) Cement .....1001”

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

“(i) Ground Granulated Blast Furnace (GGBF) Slag .....1010”

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

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

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

Revise Article 352.02 of the Standard Specifications to read:

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

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

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

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

Revise Article 404.02 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

Revise Article 583.01 of the Standard Specifications to read:

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

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

“(a) Cement .....1001”

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

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

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

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

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

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

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

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

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

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

Revise Article 1017.01 of the Standard Specifications to read:

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

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

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

Revise Article 1019.02 of the Standard Specifications to read:

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

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

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

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

Revise Article 1019.05 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Revise Article 1021.01 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

Revise Article 1021.03 of the Standard Specifications to read:

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

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

Revise Article 1021.05 of the Standard Specifications to read:

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

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

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

Revise Article 1021.06 of the Standard Specifications to read:



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

Revise Article 1021.07 of the Standard Specifications to read:

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

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

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

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

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

Add Article 1021.08 of the Standard Specifications as follows:

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

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

Revise Article 1024.01 of the Standard Specifications to read:

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

Materials for the grout shall be according to the following.

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

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

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

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

Revise Article 1029.02 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

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## **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."

80384

## CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.



Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

### **Diesel Retrofit Deficiency Deduction**

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

## DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000

Revised: January 2, 2025

1. OVERVIEW AND GENERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory. Award of the contract is conditioned on meeting the requirements of 49 CFR Part 26, and failure by the Contractor to carry out the requirements of Part 26 is a material breach of the contract and may result in the termination of the contract or such other remedies as the Department deems appropriate.
2. CONTRACTOR ASSURANCE. All assurances set forth in FHWA 1273 are hereby incorporated by reference and will be physically attached to the final contract and all subcontracts.
3. CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. The Department has determined the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies and that, in the absence of unlawful discrimination and in an arena of fair and open competition, DBE companies can be expected to perform **14%** of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work in accordance with the requirements of 49 CFR 26.53 and SBE Memorandum No. 24-02.
4. IDENTIFICATION OF CERTIFIED DBE. Information about certified DBE Contractors can be found in the Illinois UCP Directory. Bidders can obtain additional information and assistance with identifying DBE-certified companies at the Department's website or by contacting the Department's Bureau of Small Business Enterprises at (217) 785-4611.
5. BIDDING PROCEDURES. Compliance with this Special Provision and SBE Policy Memorandum 24-02 is a material bidding requirement. The following shall be included with the bid.
  - (a) DBE Utilization Plan (form SBE 2026) documenting enough DBE participation has been obtained to meet the goal, or a good faith effort has been made to meet the goal even though the efforts did not succeed in obtaining enough DBE participation to meet the goal.

- (b) Applicable DBE Participation Statement (form SBE 2023, 2024, and/or 2025) for each DBE firm the bidder has committed to perform the work to achieve the contract goal.

The required forms and documentation shall be submitted as a single .pdf file using the "Integrated Contractor Exchange (iCX)" application within the Department's "EBids System".

The Department will not accept a bid if it does not meet the bidding procedures set forth herein and the bid will be declared non-responsive. A bidder declared non-responsive for failure to meet the bidding procedures will not give rise to an administrative reconsideration. In the event the bid is declared non-responsive, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty and may deny authorization to bid the project if re-advertised for bids.

6. UTILIZATION PLAN EVALUATION. The contract will not be awarded until the Utilization Plan is approved. All information submitted by the bidder must be complete, accurate, and adequately document the bidder has committed to DBE participation sufficient to meet the goal, or that the bidder has made good faith efforts to do so, in the event the bidder cannot meet the goal, in order for the Department to commit to the performance of the contract by the bidder.

The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work to meet the contract goal or the Department determines, based upon the documentation submitted, that the bidder has made a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A and the requirements of SBE 2026.

If the Department determines that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan of that determination in accordance with SBE Policy Memorandum 24-02.

7. CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work the bidder commits to have performed by the specified DBEs and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE firms. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific guidelines for counting goal credit are provided in 49 CFR Part 26.55. In evaluating Utilization Plans for award the Department will count goal credit as set forth in Part 26 and in accordance with SBE Policy Memorandum 24-02.
8. CONTRACT COMPLIANCE. The Contractor must utilize the specific DBEs listed to perform the work and supply the materials for which each DBE is listed in the Contractor's approved Utilization Plan, unless the Contractor obtains the Department's written consent to

terminate the DBE or any portion of its work. The DBE Utilization Plan approved by SBE is a condition-of-award, and any deviation to that Utilization Plan, the work set forth therein to be performed by DBE firms, or the DBE firms specified to perform that work, must be approved, in writing, by the Department in accordance with federal regulatory requirements. Deviation from the DBE Utilization Plan condition-of-award without such written approval is a violation of the contract and may result in termination of the contract or such other remedy the Department deems appropriate. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan.

- (a) NOTICE OF DBE PERFORMANCE. The Contractor shall provide the Engineer with at least three days advance notice of when all DBE firms are expected to perform the work committed under the Contractor's Utilization Plan.
- (b) SUBCONTRACT. If awarded the contract, the Contractor is required to enter into written subcontracts with all DBE firms indicated in the approved Utilization Plan and must provide copies of fully executed DBE subcontracts to the Department upon request. Subcontractors shall ensure that all lower tier subcontracts or agreements with DBEs to supply labor or materials be performed in accordance with this Special Provision.
- (c) PAYMENT TO DBE FIRMS. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goal has been paid to the DBE. The Contractor shall document and report all payments for work performed by DBE certified firms in accordance with Article 109.11 of the Standard Specifications. All records of payment for work performed by DBE certified firms shall be made available to the Department upon request.
- (d) FINAL PAYMENT. After the performance of the final item of work or trucking, or delivery of material by a DBE and final payment to the DBE by the Contractor, but not later than 30 calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement (form SBE 2115) to the Engineer. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages.
- (g) ENFORCEMENT. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

## **PAVEMENT MARKING INSPECTION (BDE)**

Effective: April 1, 2025

Revise the second sentence of the first paragraph of Article 780.13 of the Standard Specifications to read:

“In addition, thermoplastic, preformed plastic, epoxy, preformed thermoplastic, polyurea, and modified urethane pavement markings will be inspected following a winter performance period that extends from November 15 to April 1 of the next year.”

80464

## REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2024

Revised: April 1, 2024

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

80455

## **SOURCE OF SUPPLY AND QUALITY REQUIREMENTS (BDE)**

Effective: January 2, 2023

Add the following to Article 106.01 of the Standard Specifications:

“The final manufacturing process for construction materials and the immediately preceding manufacturing stage for construction materials shall occur within the United States. Construction materials shall include an article, material, or supply that is or consists primarily of the following.

- (a) Non-ferrous metals;
- (b) Plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
- (c) Glass (including optic glass);
- (d) Lumber;
- (e) Drywall.

Items consisting of two or more of the listed construction materials that have been combined through a manufacturing process, and items including at least one of the listed materials combined with a material that is not listed through a manufacturing process shall be exempt.”

80448



## STEEL COST ADJUSTMENT (BDE)

Effective: April 2, 2004

Revised: January 1, 2022

Description. Steel cost adjustments will be made to provide additional compensation to the Contractor, or a credit to the Department, for fluctuations in steel prices when optioned by the Contractor. The bidder shall indicate with their bid whether or not this special provision will be part of the contract. Failure to indicate "Yes" for any item of work will make that item of steel exempt from steel cost adjustment.

Types of Steel Products. An adjustment will be made for fluctuations in the cost of steel used in the manufacture of the following items:

- Metal Piling (excluding temporary sheet piling)
- Structural Steel
- Reinforcing Steel

Other steel materials such as dowel bars, tie bars, welded reinforcement, guardrail, steel traffic signal and light poles, towers and mast arms, metal railings (excluding wire fence), and frames and grates will be subject to a steel cost adjustment when the pay items they are used in have a contract value of \$10,000 or greater.

The adjustments shall apply to the above items when they are part of the original proposed construction, or added as extra work and paid for by agreed unit prices. The adjustments shall not apply when the item is added as extra work and paid for at a lump sum price or by force account.

Documentation. Sufficient documentation shall be furnished to the Engineer to verify the following:

- (a) The dates and quantity of steel, in lb (kg), shipped from the mill to the fabricator.
- (b) The quantity of steel, in lb (kg), incorporated into the various items of work covered by this special provision. The Department reserves the right to verify submitted quantities.

Method of Adjustment. Steel cost adjustments will be computed as follows:

$$SCA = Q \times D$$

Where: SCA = steel cost adjustment, in dollars  
Q = quantity of steel incorporated into the work, in lb (kg)  
D = price factor, in dollars per lb (kg)

$$D = MPI_M - MPI_L$$

Where:  $MPI_M$  = The Materials Cost Index for steel as published by the Engineering News-Record for the month the steel is shipped from the mill. The indices will be converted from dollars per 100 lb to dollars per lb (kg).

$MPI_L$  = The Materials Cost Index for steel as published by the Engineering News-Record 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,. The indices will be converted from dollars per 100 lb to dollars per lb (kg).

The unit weights (masses) of steel that will be used to calculate the steel cost adjustment for the various items are shown in the attached table.

No steel cost adjustment will be made for any products manufactured from steel having a mill shipping date prior to the letting date.

If the Contractor fails to provide the required documentation, the method of adjustment will be calculated as described above; however, the  $MPI_M$  will be based on the date the steel arrives at the job site. In this case, an adjustment will only be made when there is a decrease in steel costs.

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

$$\text{Percent Difference} = \{(MPI_L - MPI_M) \div MPI_L\} \times 100$$

Steel cost adjustments will be calculated by the Engineer and will be paid or deducted when all other contract requirements for the items of work are satisfied. Adjustments will only be made for fluctuations in the cost of the steel as described herein. No adjustment will be made for changes in the cost of manufacturing, fabrication, shipping, storage, etc.

The adjustments shall not apply during contract time subject to liquidated damages for completion of the entire contract.

### Attachment

Item	Unit Mass (Weight)
Metal Piling (excluding temporary sheet piling)	
Furnishing Metal Pile Shells 12 in. (305 mm), 0.179 in. (3.80 mm) wall thickness)	23 lb/ft (34 kg/m)
Furnishing Metal Pile Shells 12 in. (305 mm), 0.250 in. (6.35 mm) wall thickness)	32 lb/ft (48 kg/m)
Furnishing Metal Pile Shells 14 in. (356 mm), 0.250 in. (6.35 mm) wall thickness)	37 lb/ft (55 kg/m)
Other piling	See plans
Structural Steel	See plans for weights (masses)
Reinforcing Steel	See plans for weights (masses)
Dowel Bars and Tie Bars	6 lb (3 kg) each
Welded Reinforcement	63 lb/100 sq ft (310 kg/sq m)
Guardrail	
Steel Plate Beam Guardrail, Type A w/steel posts	20 lb/ft (30 kg/m)
Steel Plate Beam Guardrail, Type B w/steel posts	30 lb/ft (45 kg/m)
Steel Plate Beam Guardrail, Types A and B w/wood posts	8 lb/ft (12 kg/m)
Steel Plate Beam Guardrail, Type 2	305 lb (140 kg) each
Steel Plate Beam Guardrail, Type 6	1260 lb (570 kg) each
Traffic Barrier Terminal, Type 1 Special (Tangent)	730 lb (330 kg) each
Traffic Barrier Terminal, Type 1 Special (Flared)	410 lb (185 kg) each
Steel Traffic Signal and Light Poles, Towers and Mast Arms	
Traffic Signal Post	11 lb/ft (16 kg/m)
Light Pole, Tenon Mount and Twin Mount, 30 - 40 ft (9 – 12 m)	14 lb/ft (21 kg/m)
Light Pole, Tenon Mount and Twin Mount, 45 - 55 ft (13.5 – 16.5 m)	21 lb/ft (31 kg/m)
Light Pole w/Mast Arm, 30 - 50 ft (9 – 15.2 m )	13 lb/ft (19 kg/m)
Light Pole w/Mast Arm, 55 - 60 ft (16.5 – 18 m)	19 lb/ft (28 kg/m)
Light Tower w/Luminaire Mount, 80 - 110 ft (24 – 33.5 m)	31 lb/ft (46 kg/m)
Light Tower w/Luminaire Mount, 120 - 140 ft (36.5 – 42.5 m)	65 lb/ft (97 kg/m)
Light Tower w/Luminaire Mount, 150 - 160 ft (45.5 – 48.5 m)	80 lb/ft (119 kg/m)
Metal Railings (excluding wire fence)	
Steel Railing, Type SM	64 lb/ft (95 kg/m)
Steel Railing, Type S-1	39 lb/ft (58 kg/m)
Steel Railing, Type T-1	53 lb/ft (79 kg/m)
Steel Bridge Rail	52 lb/ft (77 kg/m)
Frames and Grates	
Frame	250 lb (115 kg)
Lids and Grates	150 lb (70 kg)

80127

## **SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)**

Effective: April 2, 2018

Add the following to Section 109 of the Standard Specifications.

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

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

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

80397

## **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

## **SUBMISSION OF BIDDERS LIST INFORMATION (BDE)**

Effective: January 2, 2025

Revised: March 2, 2025

In accordance with 49 CFR 26.11(c) all DBE and non-DBEs who bid as prime contractors and subcontractors shall provide bidders list information, including all DBE and non-DBE firms from whom the bidder has received a quote or bid to work as a subcontractor, whether or not the bidder has relied upon that bid in placing its bid as the prime contractor.

The bidders list information shall be submitted with the bid using the link provided within the “Integrated Contractor Exchange (iCX)” application of the Department’s “EBids System”.

80463

## **SUBMISSION OF PAYROLL RECORDS (BDE)**

Effective: April 1, 2021

Revised: November 2, 2023

FEDERAL AID CONTRACTS. Revise the following section of Check Sheet #1 of the Recurring Special Provisions to read:

### **“STATEMENTS AND PAYROLLS**

The payroll records shall include the worker’s name, social security number, last known address, telephone number, email address, classification(s) of work actually performed, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof), daily and weekly number of hours actually worked in total, deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit certified payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers, last known addresses, telephone numbers, and email addresses shall not be included on weekly submittals. Instead, the payrolls need only include an identification number for each employee (e.g., the last four digits of the employee’s social security number). The submittals shall be made using LCPTracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

STATE CONTRACTS. Revise Item 3 of Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

- “3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15<sup>th</sup> day of each calendar month, file a certified payroll for the immediately preceding month to the Illinois Department of Labor (IDOL) through the Illinois Prevailing Wage Portal in compliance with the State Prevailing Wage Act (820 ILCS 130). The portal can be found on the IDOL website at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>. Payrolls shall be submitted in the format prescribed by the IDOL.

In addition to filing certified payroll(s) with the IDOL, the Contractor and each subcontractor shall certify and submit payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers shall not be included on weekly submittals. Instead, the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee’s social security number). In addition, starting and ending times of work each day may be omitted from the payroll records submitted. The submittals shall be made using LCPTracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>.

When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

80437



## **SURVEYING SERVICES (BDE)**

Effective: April 1, 2025

Delete the fourth paragraph of Article 667.04 of the Standard Specifications.

Delete Section 668 of the Standard Specifications.

80465

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

Effective: November 1, 2021

Revised: November 1, 2022

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

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

## **WEEKLY DBE TRUCKING REPORTS (BDE)**

Effective: June 2, 2012

Revised: January 2, 2025

The following applies to all Disadvantaged Business Enterprise (DBE) trucks on the project, whether they are utilized for DBE goal credit or not.

The Contractor shall notify the Engineer at least three days prior to DBE trucking activity.

The Contractor shall submit a weekly report of DBE trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) to the Engineer on Department form "SBE 723" within ten business days following the reporting period. The reporting period shall be Sunday through Saturday for each week reportable trucking activities occur.

Any costs associated with providing weekly DBE trucking reports shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

80302

## WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Revised: January 1, 2025

Add the following to Article 701.03 of the Standard Specifications:

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

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

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

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

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

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

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

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices shall be MASH compliant.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices shall be MASH compliant.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

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

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

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

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

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

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

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

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

80427

**WORKING DAYS (BDE)**

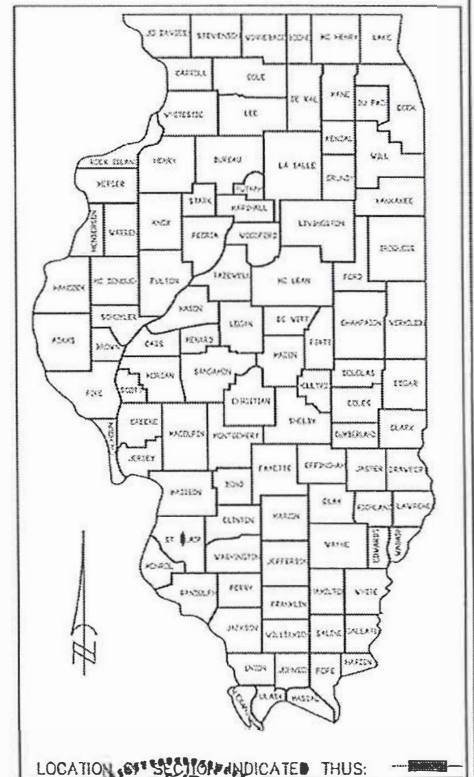
Effective: January 1, 2002

The Contractor shall complete the work within **35** working days.

80071

SECTION NO.	COUNTY HIGHWAY	COUNTY	SHEET OF SHEETS
18-00276-06-PP	70	ST. CLAIR	1 OF 26
CONTRACT NO. 97771			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PLANS FOR PROPOSED  
SURFACE TRANSPORTATION  
PROGRAM  
SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
ST. CLAIR COUNTY  
COUNTY HIGHWAY 70  
PROJECT NO. 267A (069)  
JOB NO. C-98-012-22  
CONTRACT NO. 97771



- STANDARDS -

000001-08  
420701-03  
442101-09  
606001-08  
701201-05  
701301-04  
701311-03  
701336-07  
701901-10  
780001-05  
781001-04

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1 COVER SHEET AND INDEX  
2 LOCATION MAP  
3 SUMMARY OF QUANTITIES  
4 TRAFFIC CONTROL PLAN  
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7-8 PROPOSED TYPICAL SECTIONS  
9 GENERAL NOTES/COMMITMENTS  
10-21 SCHEDULE OF PATCHES  
22 STRIPING SCHEDULE  
23-26 DETAIL OF DOWEL BAR SPACING

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PASSED 4/4, 2025

[Signature]  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR  
BID, BASED ON  
LIMITED REVIEW 4/4, 2025

[Signature]  
REGION 5 ENGINEER



Exp. Nov 30, 2025 3/11, 2025

These plans were prepared by me or by a full-time member of my staff working under my personal supervision.

[Signature]

NORM ETLING, P.E.

County Engineer

License Number 062-041820

License Expiration Date: November 30, 2025

COUNTY OF ST. CLAIR  
DEPARTMENT OF ROADS AND BRIDGES

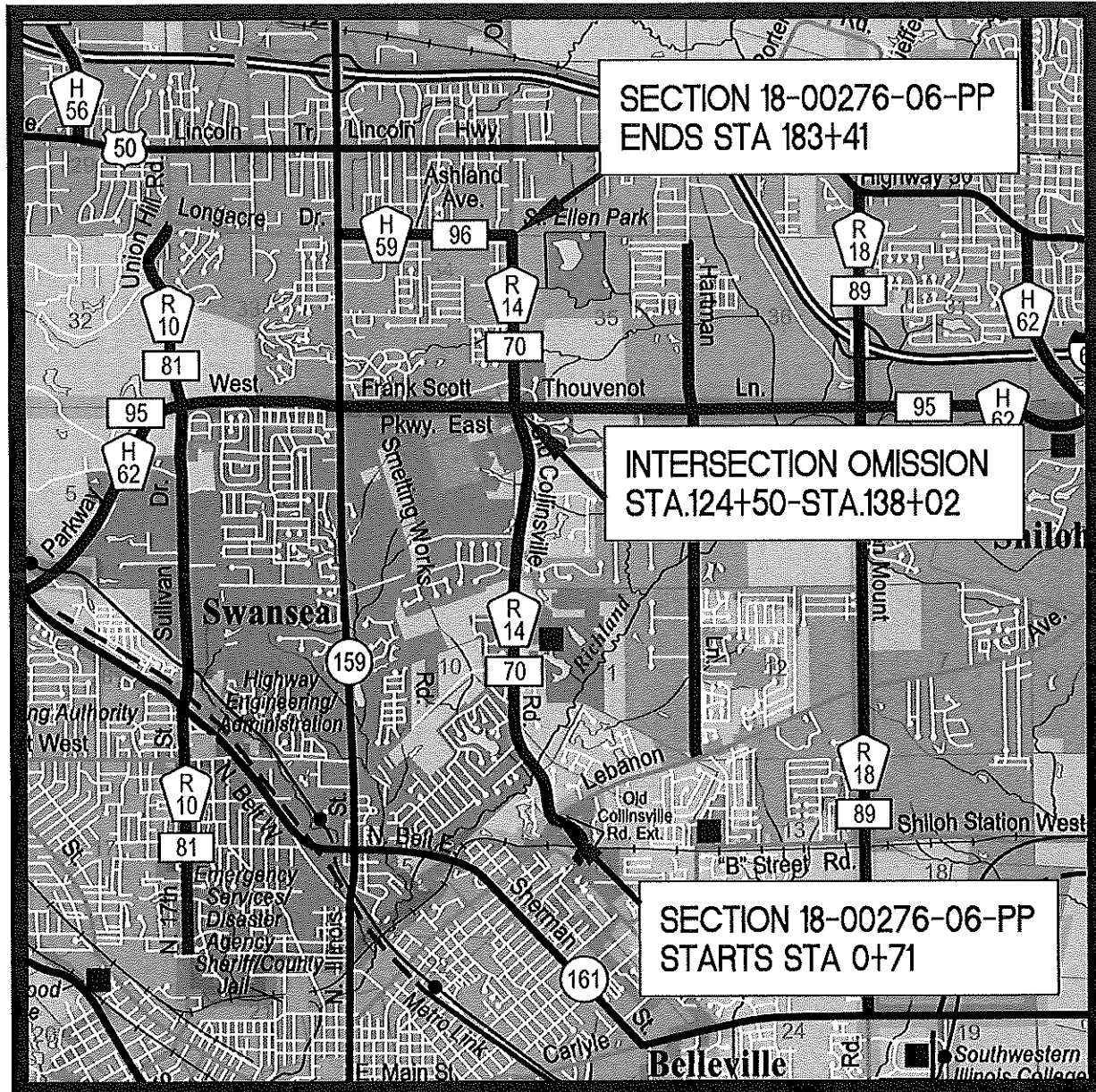
APPROVED 3/11, 2025

[Signature]  
COUNTY ENGINEER

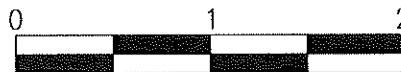
## LOCATION MAP

R.8W.

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 2 OF 26



T.1N.



SCALE: 1 INCH = 1 MILE

GROSS LENGTH OF PROJECT = 18,270 FEET (3.46 MILES)  
OMISSION: STA. 124+50-STA. 138+02=1352 FEET (FRANK SCOTT PARKWAY INTERSECTION)  
ROADWAY DESIGNATION: MINOR ARTERIAL  
NET LENGTH = 16918 FEET (3.20 MILES)  
DESIGN TRAFFIC (2023) = 13,700 ADT  
POSTED SPEED: 30 & 40 MPH (URBAN) & 45 MPH (RURAL)



SECTION 18-00276-06-PP  
 OLD COLLINSVILLE ROAD  
 COUNTY HIGHWAY 70  
 ST. CLAIR COUNTY, IL  
 CONTRACT NO. 97771  
 SHEET 3 OF 26

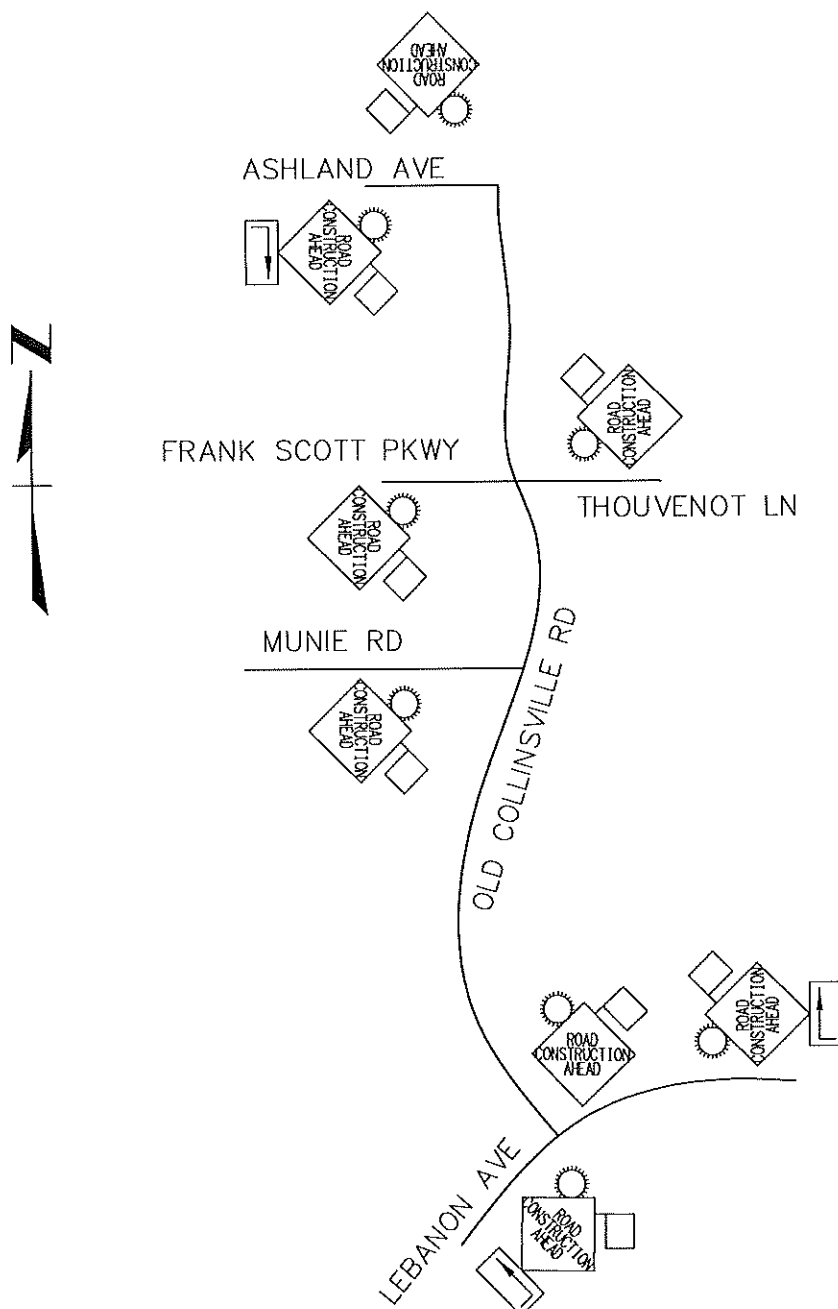
## SUMMARY OF QUANTITIES

		PAY ITEM DESCRIPTION	UNIT	QUANTITY
	44000500	COMBINATION CURB & GUTTER REMOVAL	FOOT	50
	44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	1,815
	44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	275
	44201298	DOWEL BARS 1 1/4"	EACH	4,826
	44213200	SAW CUTS	FOOT	10,113
	44213204	TIE BARS 3/4"	EACH	122
	60605000	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24	FOOT	50
	67100100	MOBILIZATION	L SUM	1
*	78001100	PAINT PAVEMENT MARKING LETTERS & SYMBOLS	SQ FT	141
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	54,262
*	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	248
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	112
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	100
	X4201650	PAVEMENT FABRIC (SPECIAL)	SQ YD	275
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

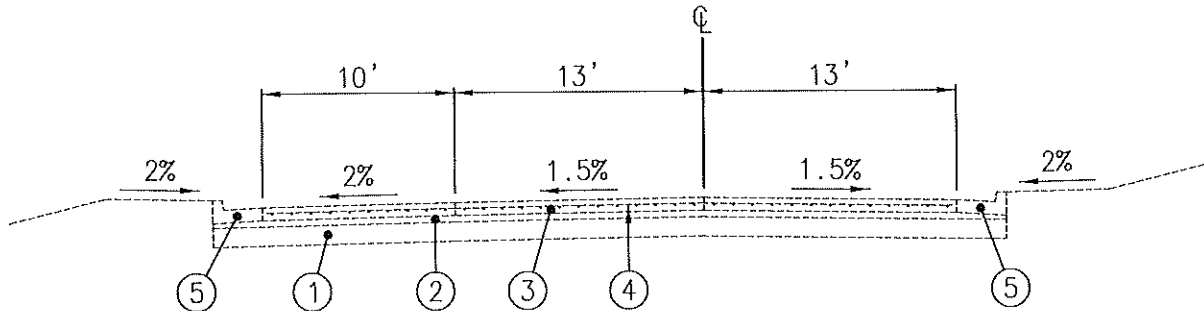
\* SPECIALTY ITEM

## TRAFFIC CONTROL PLAN

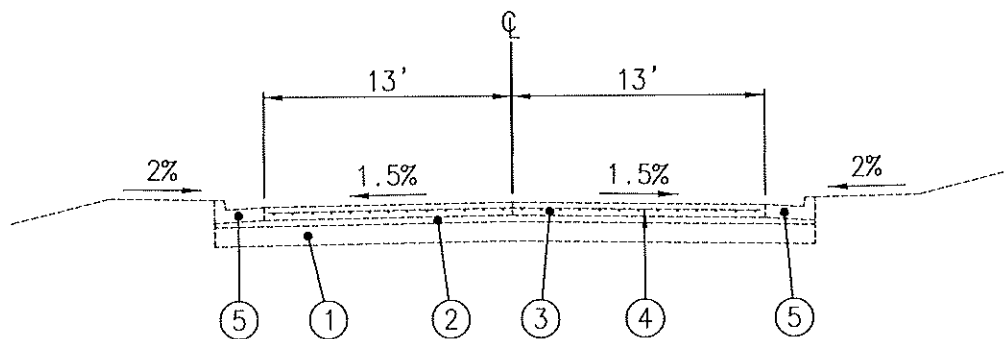
1. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED. THE ROADWAY SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION.
2. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48"x48" AND HAVE BLACK LEGEND ON AN ORANGE REFLECTORIZED BACKGROUND.
4. TYPE A FLASHING LIGHTS SHALL BE USED ON EACH ADVANCED WARNING SIGN.



## EXISTING TYPICAL SECTIONS



OLD COLLINSVILLE ROAD  
 STA 0+71 TO STA 5+20  
 (STA 3+00 TO STA 5+20: TAPER LEFT LANE FROM 10' TO 0' WIDE)

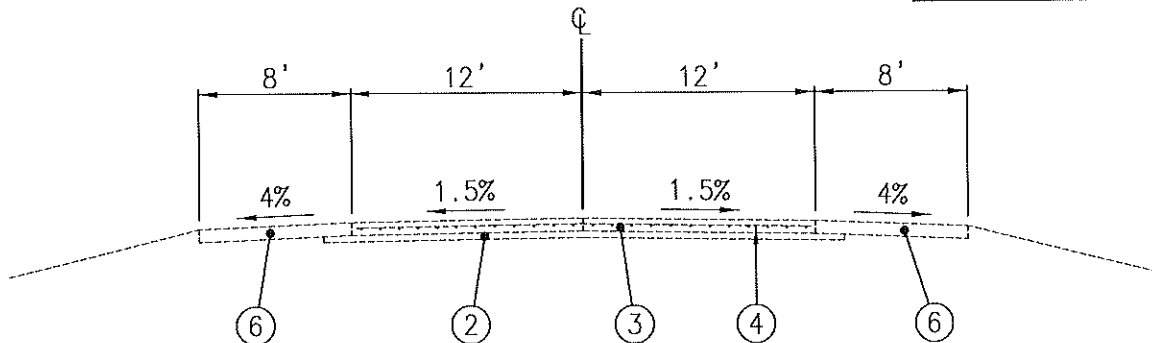


OLD COLLINSVILLE ROAD  
 STA 5+20 TO STA 44+88  
 STA 155+49 TO STA 173+00

### LEGEND

- ① EX LIME MODIFIED SOIL, 8"
- ② EX SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ③ EX PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ④ EX PAVEMENT FABRIC
- ⑤ EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EX AGGREGATE SHOULDERS, TYPE A, 8"
- ⑦ EX BITUMINOUS SURFACE TREATMENT, CLASS A-2

## EXISTING TYPICAL SECTIONS



### OLD COLLINSVILLE ROAD

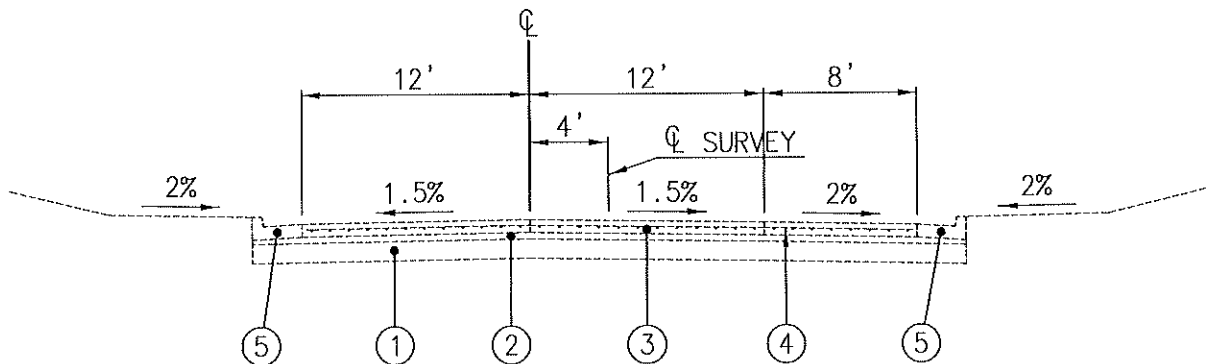
STA 44+88 TO STA 124+50 [1]

[1] STA 138+07 TO STA 155+49

[1] OMISSION STA.124+50 to STA.138+02 (SEC.08-00301-13-PW)

(STA 45+88 TO STA 44+88: WARP FROM URBAN TO RURAL SECTION IN 100')

(STA 154+49 TO STA 155+49: WARP FROM RURAL TO URBAN SECTION IN 100')



### OLD COLLINSVILLE ROAD

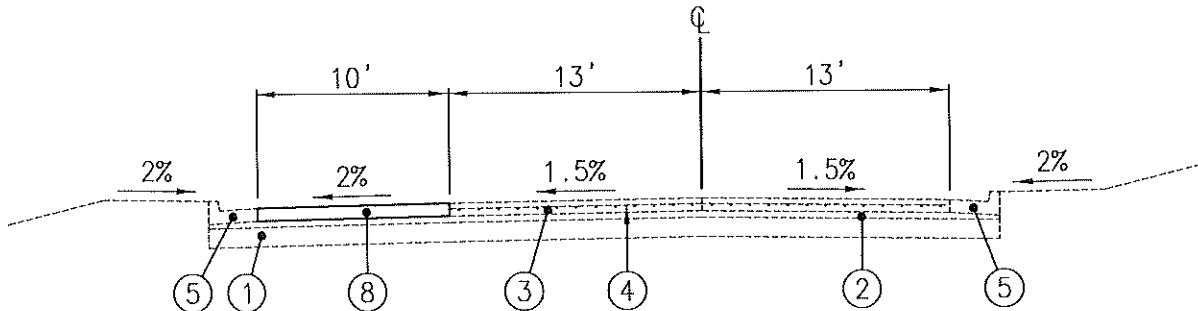
STA 173+00 TO STA 183+41

(STA 173+00 TO STA 174+00: WIDEN ROAD FROM 26' TO 32')

### LEGEND

- ① EX LIME MODIFIED SOIL, 8"
- ② EX SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ③ EX PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ④ EX PAVEMENT FABRIC
- ⑤ EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EX AGGREGATE SHOULDERS, TYPE A, 8"
- ⑦ EX BITUMINOUS SURFACE TREATMENT, CLASS A-2

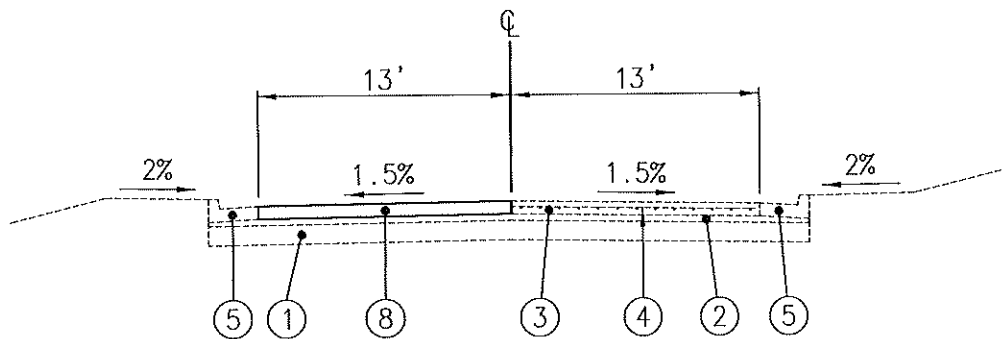
## PROPOSED TYPICAL SECTIONS



### OLD COLLINSVILLE ROAD

STA 0+71 TO STA 5+20

(STA 3+00 TO STA 5+20: TAPER LEFT LANE FROM 10' TO 0' WIDE)



### OLD COLLINSVILLE ROAD

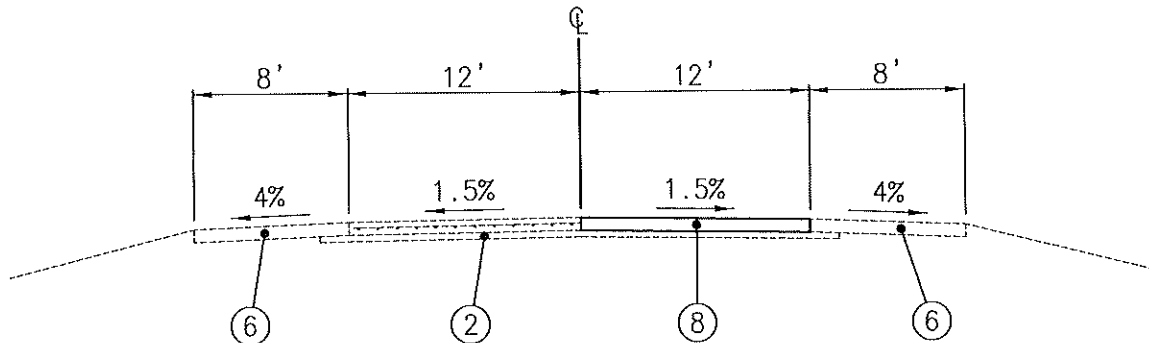
STA 5+20 TO STA 44+88

STA 155+49 TO STA 173+00

### LEGEND

- ① EX LIME MODIFIED SOIL, 8"
- ② EX SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ③ EX PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ④ EX PAVEMENT FABRIC
- ⑤ EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EX AGGREGATE SHOULDERS, TYPE A, 8"
- ⑦ EX BITUMINOUS SURFACE TREATMENT, CLASS A-2
- ⑧ PR CLASS B PATCH, 8"

## PROPOSED TYPICAL SECTIONS



### OLD COLLINSVILLE ROAD

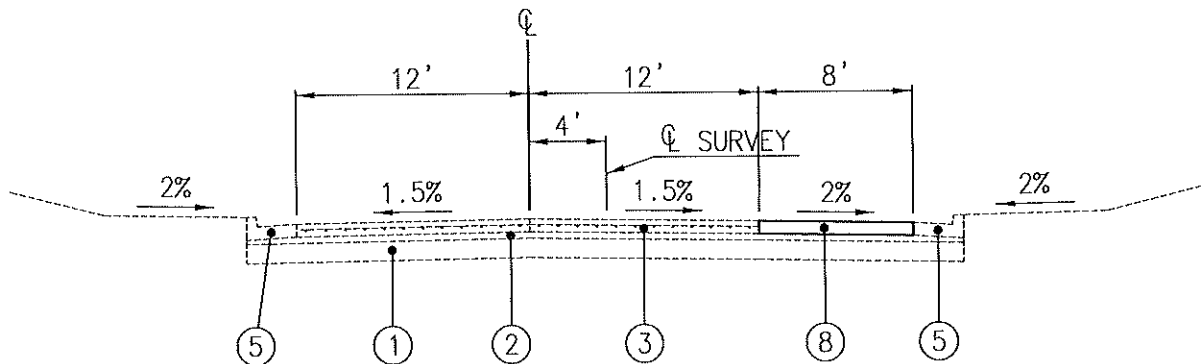
STA 44+88 TO STA 124+50 [1]

[1] STA 138+07 TO STA 155+49

[1] OMISSION STA. 124+50 to STA. 138+02 (SEC. 08-00301-13-PW)

(STA 45+88 TO STA 44+88: WARP FROM URBAN TO RURAL SECTION IN 100')

(STA 154+49 TO STA 155+49: WARP FROM RURAL TO URBAN SECTION IN 100')



### OLD COLLINSVILLE ROAD

STA 173+00 TO STA 183+41

(STA 173+00 TO STA 174+00: WIDEN ROAD FROM 26' TO 32')

### LEGEND

- ① EX LIME MODIFIED SOIL, 8"
- ② EX SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ③ EX PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ④ EX PAVEMENT FABRIC
- ⑤ EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EX AGGREGATE SHOULDERS, TYPE A, 8"
- ⑦ EX BITUMINOUS SURFACE TREATMENT, CLASS A-2
- ⑧ PR CLASS B PATCH, 8"

## COMMITMENTS

NONE

## GENERAL NOTES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 9 OF 26

1. LOCATION OF PROPOSED PAVEMENT MARKING SHALL MATCH EXISTING MARKINGS.
2. THE LOCATION OF UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN DETERMINED FROM SURFACE OBSERVATIONS, AVAILABLE SURVEYS, AND RECORDS, AND MUST BE CONSIDERED APPROXIMATE. THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS NOT PRESENTLY SHOWN OR KNOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION.  
CONTACT J.U.L.I.E. BEFORE DIGGING AT 800-892-0123.
3. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION.

NAME OF UTILITY	TYPE	LOCATION	ESTIMATED DATE RELOCATION COMPLETED
AMEREN ILLINOIS	GAS & ELECTRIC	PROJECT LIMITS	NONE ANTICIPATED
ATT DISTRIBUTION	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
CHARTER/SPECTRUM	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
CLEARWAVE COMMUNICATIONS	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
CASEYVILLE TWP SEWER	SANITARY SEWER	PROJECT LIMITS	NONE ANTICIPATED
ERVIN CABLE CONSTRUCTION	COMMUNICATIONS	PROJECT LIMITS	NONE ANTICIPATED
ILLINOIS AMERICAN WATER	WATER	PROJECT LIMITS	NONE ANTICIPATED

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 10 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
2+00.8	LT	6	10	6.7			42	16	
2+00.8	C	6	13	8.7			45	24	
2+23.0	C	6	13	8.7			51	24	
2+23.0	RT	6	13	8.7			45	24	
2+80.0	LT	6	10	6.7			42	16	
2+80.0	C	6	13	8.7			45	24	
3+75.0	LT	6	6.7	4.5			32	8	
3+75.0	C	6	13	8.7			45	24	
3+75.0	RT	6	13	8.7			45	24	
4+22.5	RT	6	13	8.7			51	24	
5+00.9	LT	6	13.85	9.2			53	24	
5+00.9	RT	6	13	8.7			45	24	
6+55.0	LT	6	13	8.7			51	24	
6+55.0	RT	6	13	8.7			45	24	
7+50.0	LT	6	13	8.7			51	24	
7+50.0	RT	6	13	8.7			45	24	
7+81.0	LT	6	13	8.7			51	24	
7+81.0	RT	6	13	8.7			45	24	



# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 11 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
8+62.0	LT	6	13	8.7			51	24	
8+62.0	RT	6	13	8.7			45	24	
9+05.8	RT	6	13	8.7			51	24	
10+01.9	LT	6	13	8.7			51	24	
10+01.9	RT	6	13	8.7			45	24	
10+33.1	LT	6	13	8.7			51	24	
10+33.1	RT	6	13	8.7			45	24	
11+20.0	LT	6	13	8.7			51	24	
11+20.0	RT	6	13	8.7			45	24	
12+04.9	LT	6	13	8.7			51	24	
12+04.9	RT	6	13	8.7			45	24	
13+16.6	LT	6	13	8.7			51	24	
13+16.6	RT	6	13	8.7			45	24	
13+53.1	LT	6	13	8.7			51	24	
13+53.1	RT	6	13	8.7			45	24	
14+04.3	LT	6	13	8.7			51	24	
14+04.3	RT	6	13	8.7			45	24	
14+37.9	LT	6	13	8.7			51	24	
14+37.9	RT	6	13	8.7			45	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 12 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
14+80.0	LT	6	13	8.7			51	24	
14+80.0	RT	6	13	8.7			45	24	
15+47.7	LT	6	13	8.7			51	24	
15+47.7	RT	6	13	8.7			45	24	
18+81.6	LT	6	13	8.7			51	24	
18+81.6	RT	6	13	8.7			45	24	
19+20.3	LT	44	13		63.6	63.6	127	24	28
19+20.3	RT	10	13	14.4			49	24	
19+53.0	LT	6	13	8.7			51	24	
19+53.0	RT	6	13	8.7			45	24	
20+35.4	LT	44	13		63.6	63.6	127	24	28
20+35.4	RT	6	13	8.7			45	24	
21+72.5	LT	20	13		28.9	28.9	79	24	14
21+72.5	RT	20	13		28.9	28.9	59	24	14
22+19.8	RT	6	13	8.7			51	24	
22+37.0	LT	6	13	8.7			51	24	
22+37.0	RT	6	13	8.7			45	24	
22+99.7	LT	6	13	8.7			51	24	
22+99.7	RT	6	13	8.7			45	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
 OLD COLLINSVILLE ROAD  
 COUNTY HIGHWAY 70  
 ST. CLAIR COUNTY, IL  
 CONTRACT NO. 97771  
 SHEET 13 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
23+15.0	LT	8	13	11.6			55	24	
23+15.0	RT	8	13	11.6			47	24	
23+79.0	LT	6	13	8.7			51	24	
24+36.4	LT	6	13	8.7			51	24	
24+36.4	RT	6	13	8.7			45	24	
26+02.5	LT	6	13	8.7			51	24	
26+02.5	RT	6	13	8.7			45	24	
26+59.1	LT	6	13	8.7			51	24	
26+59.1	RT	6	13	8.7			45	24	
27+58.5	LT	6	13	8.7			51	24	
27+58.5	RT	6	13	8.7			45	24	
28+77.7	LT	6	13	8.7			51	24	
28+77.7	RT	6	13	8.7			45	24	
29+56.7	LT	6	13	8.7			51	24	
29+56.7	RT	6	13	8.7			45	24	
31+15.8	LT	10	13	14.4			59	24	
31+15.8	RT	10	13	14.4			49	24	
33+00.0	RT	6	13	8.7			51	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 14 OF 26

PATCH LOCATION		TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE							
33+25.7	LT	6	8.7			51	24	
33+25.7	RT	6	8.7			45	24	
34+85.1	LT	6	8.7			45	24	
34+85.1	RT	44		63.6	63.6	127	24	28
36+07.3	LT	6	8.7			51	24	
36+07.3	RT	6	8.7			45	24	
36+86.4	LT	6	8.7			51	24	
36+86.4	RT	6	8.7			45	24	
38+54.0	LT	6	8.7			51	24	
38+54.0	RT	6	8.7			45	24	
40+15.1	LT	6	8.7			51	24	
40+15.1	RT	6	8.7			45	24	
40+92.6	LT	6	8.7			51	24	
40+92.6	RT	6	8.7			45	24	
41+73.0	RT	6	8.7			51	24	
42+91.3	LT	6	8.7			51	24	
42+91.3	RT	6	8.7			45	24	
44+44.7	LT	10	14.4			59	24	
44+44.7	RT	10	14.4			49	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 15 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
45+08.0	RT	6	13	8.7			45	24	
45+48.0	RT	6	12.5	8.3			43.5	20	
47+40.0	RT	6	12	8.0			42	20	
48+60.0	RT	6	12	8.0			42	20	
51+39.6	RT	6	12	8.0			42	20	
56+59.3	LT	6	12	8.0			42	20	
56+99.3	LT	6	12	8.0			42	20	
56+99.3	RT	6	12	8.0			36	20	
58+19.5	RT	6	12	8.0			42	20	
64+58.5	LT	6	12	8.0			42	20	
64+58.5	RT	6	12	8.0			36	20	
65+38.5	RT	6	12	8.0			42	20	
69+57.0	RT	6	12	8.0			42	20	
76+19.5	LT	6	12	8.0			42	20	
76+19.5	RT	6	12	8.0			36	20	
76+99.5	LT	6	12	8.0			42	20	
77+39.3	LT	6	12	8.0			42	20	
77+39.3	RT	6	12	8.0			36	20	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 16 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
78+99.3	LT	6	12	8.0			42	20	
78+99.3	RT	6	12	8.0			36	20	
79+79.2	LT	6	12	8.0			42	20	
79+79.2	RT	6	12	8.0			36	20	
80+99.2	LT	6	12	8.0			42	20	
80+99.2	RT	6	12	8.0			36	20	
81+40.0	LT	6	12	8.0			42	20	
81+40.0	RT	6	12	8.0			36	20	
81+80.1	LT	6	12	8.0			42	20	
81+80.1	RT	6	12	8.0			36	20	
83+79.0	LT	6	12	8.0			42	20	
83+79.0	RT	6	12	8.0			36	20	
84+19.0	LT	6	12	8.0			42	20	
85+38.9	LT	6	12	8.0			42	20	
85+38.9	RT	6	12	8.0			36	20	
85+80.0	LT	6	12	8.0			42	20	
85+80.0	RT	6	12	8.0			36	20	
86+19.8	LT	6	12	8.0			42	20	
86+19.8	RT	6	12	8.0			36	20	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 17 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
88+81.5	LT	6	12	8.0			42	20	
88+81.5	RT	6	12	8.0			36	20	
90+37.1	LT	6	12	8.0			42	20	
90+37.1	RT	6	12	8.0			36	20	
91+58.0	LT	6	12	8.0			42	20	
91+58.0	RT	6	12	8.0			36	20	
93+97.7	LT	6	12	8.0			42	20	
93+97.7	RT	6	12	8.0			36	20	
94+37.6	LT	6	12	8.0			42	20	
94+37.6	RT	6	12	8.0			36	20	
95+57.9	LT	6	12	8.0			42	20	
95+57.9	RT	6	12	8.0			36	20	
103+57.4	LT	6	12	8.0			42	20	
103+57.4	RT	6	12	8.0			36	20	
104+38.0	RT	6	12	8.0			42	20	
104+62.4	LT	6	12	8.0			42	20	
104+62.4	RT	6	12	8.0			36	20	
104+78.1	RT	6	12	8.0			42	20	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 18 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
105+17.4	LT	6	12	8.0			42	20	
105+17.4	RT	6	12	8.0			36	20	
107+17.4	LT	6	12	8.0			42	20	
107+17.4	RT	6	12	8.0			36	20	
107+57.5	LT	6	12	8.0			42	20	
107+57.5	RT	6	12	8.0			36	20	
108+37.0	LT	6	12	8.0			42	20	
108+37.0	RT	6	12	8.0			36	20	
117+57.5	LT	6	12	8.0			42	20	
118+83.5	LT	6	12	8.0			42	20	
118+83.5	RT	6	12	8.0			36	20	
119+36.8	LT	6	12	8.0			42	20	
119+36.8	RT	6	12	8.0			36	20	
138+21.8	LT	6	12	8.0			48	20	
138+21.8	RT	6	12	8.0			42	20	
139+59.2	RT	6	12	8.0			48	20	
141+40.0	LT	6	12	8.0			42	20	
141+40.0	RT	6	12	8.0			36	20	



# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 19 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
141+81.1	LT	6	12	8.0			42	20	
141+81.1	RT	6	12	8.0			36	20	
143+41.5	LT	6	12	8.0			42	20	
143+41.5	RT	6	12	8.0			36	20	
144+60.8	LT	6	12	8.0			42	20	
144+60.8	RT	6	12	8.0			36	20	
147+00.8	LT	6	12	8.0			42	20	
147+00.8	RT	6	12	8.0			36	20	
149+80.5	LT	6	12	8.0			42	20	
149+80.5	RT	6	12	8.0			42	20	
151+01.1	LT	6	12	8.0			42	20	
151+01.1	RT	6	12	8.0			36	20	
151+40.8	LT	6	12	8.0			42	20	
152+20.4	RT	6	12	8.0			42	20	
152+60.7	LT	6	12	8.0			42	20	
153+00.7	LT	6	12	8.0			42	20	
154+88.7	LT	6	12.5	8.3			49.5	20	
155+69.5	LT	6	13	8.7			45	24	
155+69.5	RT	8	13	11.6			55	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 20 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
156+34.0	LT	18	13		26.0	26.0	75	24	10
156+39.4	RT	6	13	8.7			45	24	
158+21.1	RT	6	13	8.7			51	24	
158+80.0	LT	6	13	8.7			51	24	
158+80.0	RT	6	13	8.7			45	24	
159+01.0	RT	6	13	8.7			51	24	
159+40.0	RT	6	13	8.7			51	24	
161+64.0	LT	6	13	8.7			51	24	
161+64.0	RT	6	13	8.7			45	24	
163+62.5	LT	6	13	8.7			51	24	
163+62.5	RT	6	13	8.7			45	24	
165+81.0	LT	6	13	8.7			51	24	
165+81.0	RT	6	13	8.7			45	24	
166+01.0	LT	6	13	8.7			51	24	
166+01.0	RT	6	13	8.7			45	24	
168+21.3	LT	6	13	8.7			51	24	
168+61.4	LT	6	13	8.7			51	24	
171+59.0	LT	6	13	8.7			51	24	
171+59.0	RT	8	13	8.7			45	24	

# SCHEDULE OF PATCHES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 21 OF 26

PATCH LOCATION		PATCH LENGTH (FOOT)	TRANSVERSE WIDTH (FOOT)	CLASS B PATCHES TYPE II, 8 INCH (SQ YD)	CLASS B PATCHES TYPE IV, 8 INCH (SQ YD)	PAVEMENT FABRIC (SQ YD)	SAW CUTS (FOOT)	DOWEL BARS 1 1/4" (EACH)	TIE BARS 3/4" (EACH)
STATION	SIDE								
172+38.6	LT	6	13	8.7			51	24	
172+38.6	RT	6	13	8.7			45	24	
174+67.0	C	6	12	8.0			48	20	
174+67.0	LT	6	12	8.0			42	20	
174+67.0	RT	6	8	5.3			30	14	
175+82.2	C	6	12	8.0			48	20	
175+82.2	RT	6	8	5.3			30	14	
176+62.2	C	6	12	8.0			48	20	
176+62.2	RT	6	8	5.3			30	14	
177+36.3	C	6	12	8.0			48	20	
177+36.3	LT	6	12	8.0			42	20	
177+36.3	RT	6	8	5.3			30	14	
178+58.0	LT	6	12	8.0			42	20	
178+58.0	C	6	12	8.0			48	20	
178+58.0	RT	6	8	5.3			30	14	
179+57.0	C	6	12	8.0			48	20	
180+60.2	LT	6	12	8.0			48	20	
TOTALS				1,814.3	274.6	274.6	10,113	4,826	122

## STRIPING SCHEDULE

LETTERS & SYMBOLS (SQUARE FOOT)	4" LINE (FOOT)	12" LINE (FOOT)	24" LINE (FOOT)
141 WHITE	27,448 YELLOW	248 YELLOW	112 WHITE
	26,814 WHITE		
	54,262 TOTAL		

### LETTERS & SYMBOLS : DESCRIPTION

LEFT TURN ARROWS 70 FT. AND 150 FT. NORTH OF LEBANON AVE. 31.2 SQ.FT.

LEFT TURN ARROWS 90 FT. AND 132 FT. SOUTH OF FRANK SCOTT PRKWY INTERSECTION 31.2 SQ.FT.

THRU AND RIGHT TURN ARROWS 70 FT. AND 150 FT. NORTH OF LEBANON AVE. 52.0 SQ.FT.

THRU AND RIGHT TURN ARROW 90 FT. SOUTH OF FRANK SCOTT PARKWAY INTERSECTION 26.0 SQ.FT.

### 4" LINE : DESCRIPTION

CENTERLINE OF JOB LIMITS 27,448 FT.

EDGE LINE AND LANE LINES OF JOB LIMITS 26,814 FT.

### 12" LINE : DESCRIPTION

PAINTED MEDIAN NORTH OF LEBANON AVE INTERSECTION 115 FT.

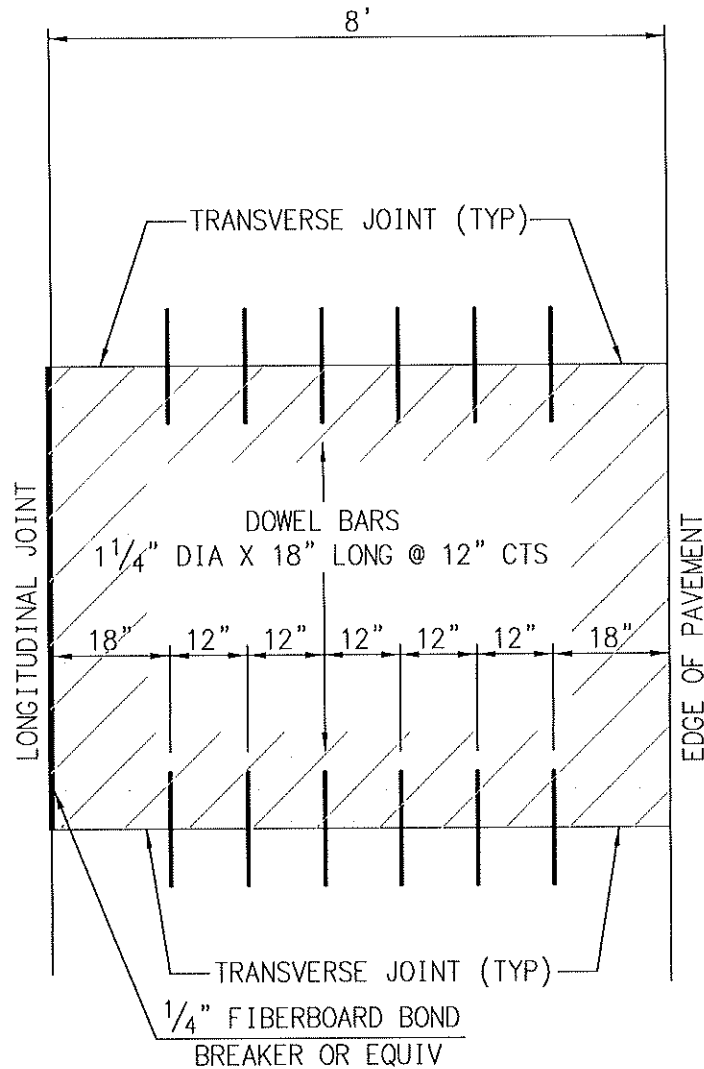
PAINTED MEDIAN SOUTH OF FRANK SCOTT PARKWAY INTERSECTION 133 FT.

### 24" LINE : DESCRIPTION

STOP BARS AT LEBANON AVE (SOUTH BOUND THRU AND WEST BOUND TURN LANE) 22 FT.

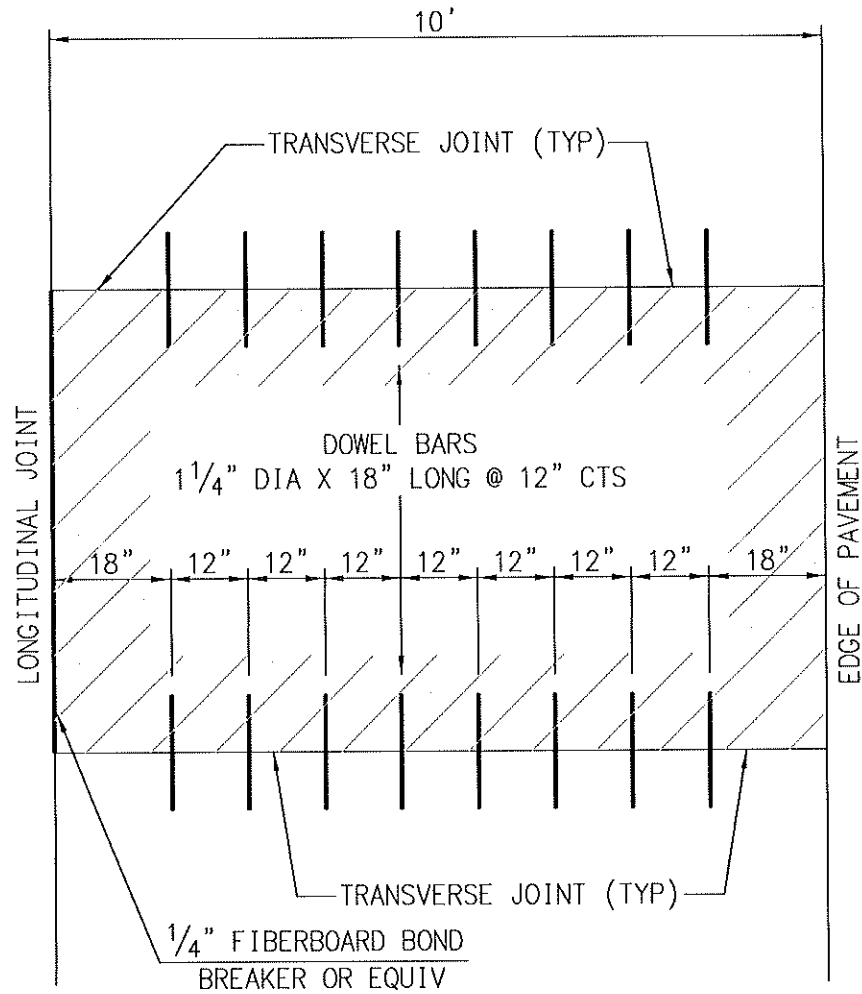
STOP BARS AT FRANK SCOTT PARKWAY (NORTH BOUND THRU AND WEST BOUND TURN LANE) 45 FT.

STOP BARS AT FRANK SCOTT PARKWAY (SOUTH BOUND THRU AND EAST BOUND TURN LANE) 45 FT.

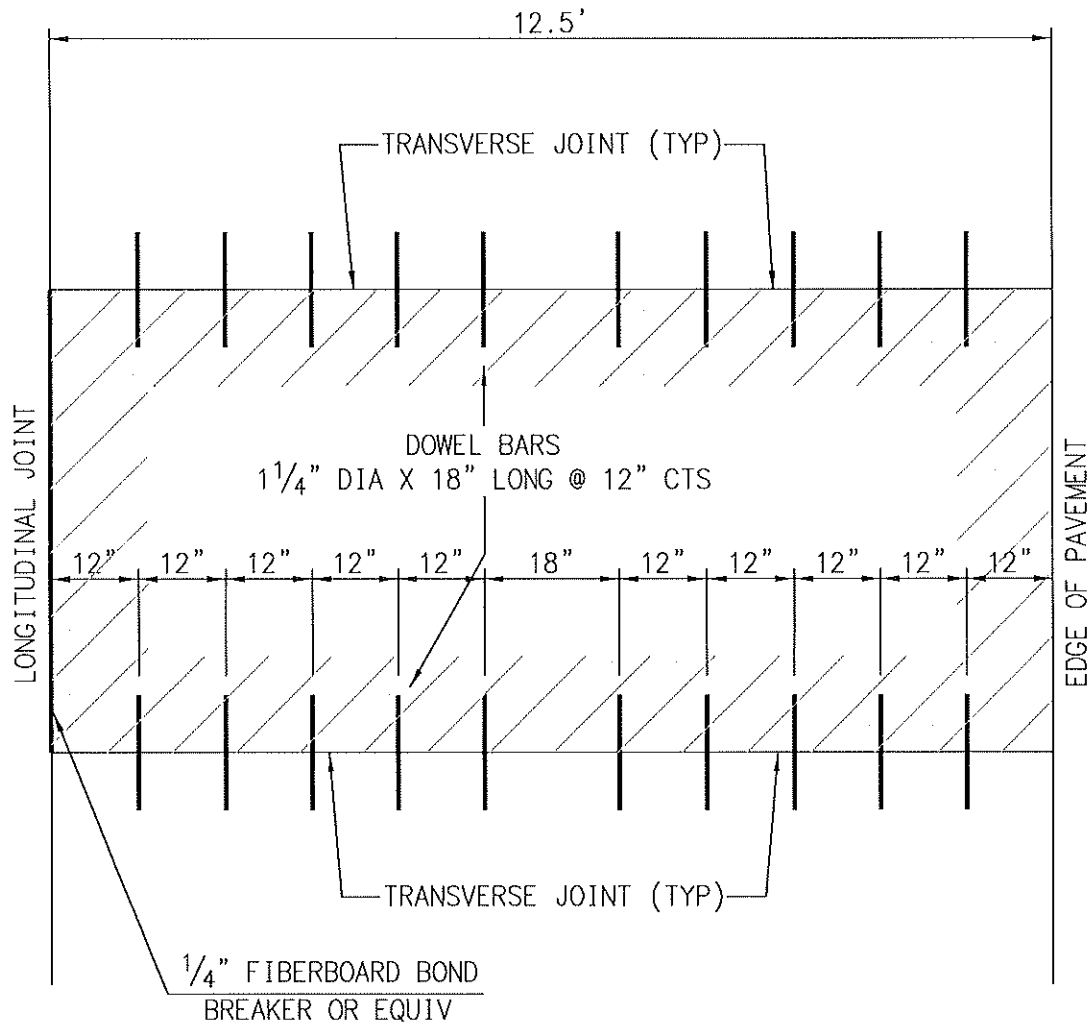


DETAIL OF DOWEL SPACING FOR 8' WIDE LANES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 24 OF 26

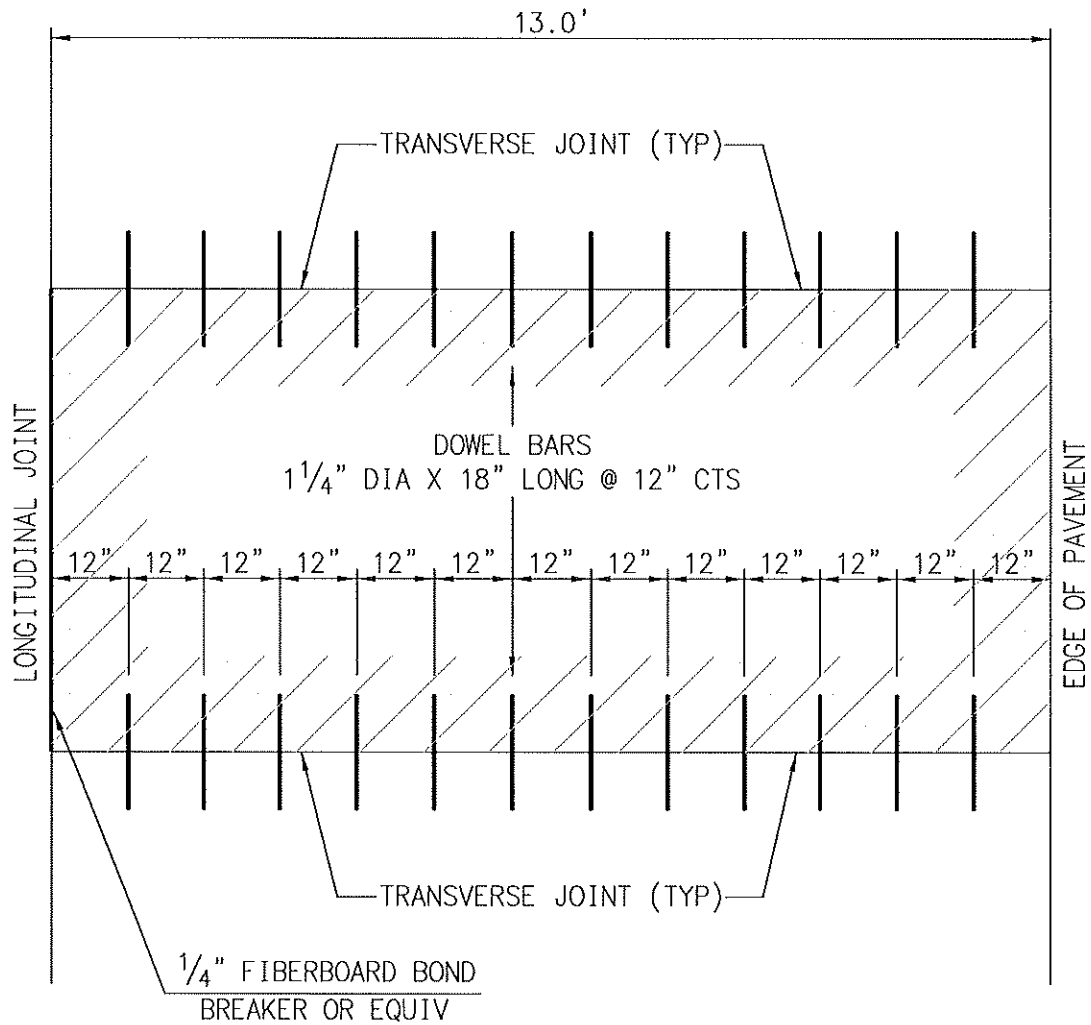


DETAIL OF DOWEL SPACING FOR 10' WIDE LANES



DETAIL OF DOWEL SPACING FOR 12.5' WIDE LANES

SECTION 18-00276-06-PP  
OLD COLLINSVILLE ROAD  
COUNTY HIGHWAY 70  
ST. CLAIR COUNTY, IL  
CONTRACT NO. 97771  
SHEET 26 OF 26



DETAIL OF DOWEL SPACING FOR 13' WIDE LANES



ABV	ABOVE	CU YD	HATCH	HATCHING	PM	PAVEMENT MARKING	STD	STANDARD
A/C	ACCESS CONTROL	CULV	HD	HEAD	PED	PEDESTAL	SBI	STATE BOND ISSUE
AC	ACRE	C&G	HDW	HEADWALL	PNT	POINT	SR	STATE ROUTE
ADJ	ADJUST	D	HDUTY	HEAVY DUTY	PC	POINT OF INTERSECTION OF HORIZONTAL	SPBGR	STEEL PLATE BEAM GUARDRAIL
AS	AERIAL SURVEYS	DC	HDUTY	HEAVY DUTY	PI	POINT OF INTERSECTION OF HORIZONTAL	SS	STORM SEWER
AGG	AGGREGATE	DET	HDUTY	HEAVY DUTY	PRC	CURVE	STY	STREET
AH	AHEAD	DIA	HDUTY	HOT MIX ASPHALT	POT	POINT OF TANGENCY	STR	STRUCTURE
APT	APARTMENT	DIST	HDUTY	HOT MIX ASPHALT	PT	POINT OF TANGENCY	SURF	SURFACE
ASPH	ASPHALT	DOM	HDUTY	HOT MIX ASPHALT	PCC	POLYETHYLENE	SURF	SURFACE
AUX	AUXILIARY	DBL	HDUTY	HOT MIX ASPHALT	PP	PORTLAND CEMENT CONCRETE	SURF	SURFACE
AGS	AUXILIARY GAS VALVE (SERVICE)	DSFL	HDUTY	HOT MIX ASPHALT	PRM	PRIVATE ENTRANCE	SURF	SURFACE
AVE	AVENUE	DR	HDUTY	HOT MIX ASPHALT	PE	PRIVATE ENTRANCE	SURF	SURFACE
AX	AXIS OF ROTATION	DSFL	HDUTY	HOT MIX ASPHALT	PROF	PROFILE	SURF	SURFACE
BK	BACK	DI	HDUTY	HOT MIX ASPHALT	PGL	PROFILE GRADELINE	SURF	SURFACE
B-B	BACK TO BACK	DR	HDUTY	HOT MIX ASPHALT	PROJ	PROJECT	SURF	SURFACE
BKPL	BACKPLATE	DRV	HDUTY	HOT MIX ASPHALT	P.C.	PROPERTY CORNER	SURF	SURFACE
B	BARN	DCT	HDUTY	HOT MIX ASPHALT	PL	PROPOSED	SURF	SURFACE
BARR	BARRICADE	EACH	HDUTY	HOT MIX ASPHALT	R	RADIUS OF RESIDENTIAL	SURF	SURFACE
BL	BASELINE	EB	HDUTY	HOT MIX ASPHALT	RR	RAILROAD SPIKE	SURF	SURFACE
BLN	BEGIN	EOP	HDUTY	HOT MIX ASPHALT	RRS	RAILROAD SPIKE	SURF	SURFACE
BNI	BENCHMARK	ECL	HDUTY	HOT MIX ASPHALT	RPS	REFERENCE POINT STAKE	SURF	SURFACE
BND	BINDER	E-E	HDUTY	HOT MIX ASPHALT	REF	REFLECTIVE	SURF	SURFACE
BTM	BOTTOM	ELEC	HDUTY	HOT MIX ASPHALT	RCOP	REINFORCED CONCRETE CULVERT PIPE	SURF	SURFACE
BTM	BOTTOM	EL	HDUTY	HOT MIX ASPHALT	REIN	REINFORCEMENT	SURF	SURFACE
BLVD	BOULEVARD	ENTR	HDUTY	HOT MIX ASPHALT	RC	REMOVE CROWN	SURF	SURFACE
BRK	BRICK	EXC	HDUTY	HOT MIX ASPHALT	REPL	REPLACEMENT	SURF	SURFACE
BRX	BRICK BOX	EXC	HDUTY	HOT MIX ASPHALT	RESURF	RESURFACING	SURF	SURFACE
BUDG	BUILDING	EXPWAY	HDUTY	HOT MIX ASPHALT	RET	RETAINING	SURF	SURFACE
CATV	CABLE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CIP	CAST IRON PIPE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CB	CATCH BASIN	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
C-C	CENTER TO CENTER	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CL	CENTERLINE OR CLEARANCE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CL-E	CENTERLINE TO EDGE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CL-F	CENTERLINE TO FACE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CIS	CENTERS	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CERT	CERTIFIED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CHSLD	CHISELED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CS	CITY STREET	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CP	CLAY PIPE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CLSD	CLOSED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CLSD	CLOSED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CT	COAT OF COURT	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
COMB	COMBINATION	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
C	COMMERCIAL BUILDING	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CONC	CONCRETE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CONST	CONSTRUCT	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CONTD	CONTINUED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CONT	CONTINUOUS	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
COR	CORNER	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CORR	CORRUGATED	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CMP	CORRUGATED METAL PIPE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CNTY	COUNTY	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CH	COURSE	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
CSE	CROSS SECTION	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
XSECT	CROSS SECTION	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
m <sup>3</sup>	CUBIC METER	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE
mm <sup>3</sup>	CUBIC MILLIMETER	E	HDUTY	HOT MIX ASPHALT	RT	RIGHT	SURF	SURFACE

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

(Sheet 1 of 9)

Illinois Department of Transportation

ISSUED 1-1-97

APPROVED

IN CHARGE OF POLICIES AND PROCEDURES

APPROVED

IN CHARGE OF POLICIES AND PROCEDURES

APPROVED

IN CHARGE OF POLICIES AND PROCEDURES

APPROVED

IN CHARGE OF POLICIES AND PROCEDURES

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

STANDARD SYMBOLS,  
ABBREVIATIONS,  
AND PATTERNS

(Sheet 2 of 9)

STANDARD 000001-08

Illinois Department of Transportation

APPROVED: [Signature] 2021  
ENGINEER OF POLICY AND PROCEDURES  
APPROVED: [Signature] 2021  
NORTHWEST QUARTER CORNER

ISSUED 1-1-97

EROSION & SEDIMENT CONTROL ITEMS		NON-HIGHWAY IMPROVEMENT ITEMS		EXISTING LANDSCAPING ITEMS (contd.)		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	
EX	PR	EX	PR	EX	PR	EX	PR
Cleaning & Grading Limits		Noise Att./Levee		Seeding Class 5			
Dike		Field Line		Seeding Class 7			
Erosion Control Fence		Fence		Seedlings Type 1			
Perimeter Erosion Barrier		Base of Levee		Seedlings Type 2			
Temporary Fence		Mailbox		Sodding			
Ditch Check Temporary		Multiple Mailboxes		Mowstake w/Sign			
Ditch Check Permanent		Pay Telephone		Tree Trunk Protection			
Inlet & Pipe Protection		Advertising Sign		Evergreen Tree			
Sediment Basin		*TTS Camera		Shade Tree			
Erosion Control Blanket		Wind Turbine					
Fabric Formed Concrete Revetment Mat		Cellular Tower					
Turf Reinforcement Mat		*Intelligent Transportation Systems					
Mulch Temporary		LANDSCAPING ITEMS					
Mulch Method 1		Contour Mounding Line					
Mulch Method 2 Stabilized		Fence					
Mulch Method 3 Hydraulic		Fence Post					
		Shrubs					
		Mowline					
		Perennial Plants					
		Seeding Class 2					
		Seeding Class 2A					
		Seeding Class 4					
		Seeding Class 4 & 5 Combined					

LIGHTING (contd.)		PAVEMENT MARKINGS		PAVEMENT (MISC.)	
EX	PR	EX	PR	EX	PR

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 90' (24.4 m) D.C.CL Multilane Div.  
RRPM 40' (12.2 m) o.c.CL Mulliken Div.  
RPM 80' (24.4 m) p.c.CL Multilane Div. Dbl.  
RRPM 80' (24.4 m) o.c.

CL Multilane Undiv.

Two Way Turn Left Lino

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

 Illinois Department of Transportation

ISSUED 1-1-97

APPROVED W. B. D. January 1, 2021  
ENGINEER OF POLICY AND PROCEDURES

APPROVED W. B. D. January 1, 2021

Urban LT &amp; RT Turn Arrow

Urban Thru Arrow

X/

RR/

## RAILROAD ITEMS

Abandoned Railroad

Railroad

Railroad Point

Control Box

## Crossing Gato

### Flashing Signal

Railroad Cant. Mast Arm

**Crossbuck**

### REMOVAL ITEMS

Removal Tic

## Bituminous Removal

Hatch Pattern

### Trace Removal Single

## RIGHT OF WAY ITEMS

Future ROW Corner Monument

Row Marker

ROW Line

### Easement:

### Temporary Easement

PR

XIII

# STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

(6 of 9)

STANDARD 000001-08




















































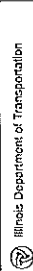
ISSUED 1-1-97

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


































































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STANDARD 000001-08


RIGHT OF WAY ITEMS (contd.)		ROADWAY PROFILES		SIGNING ITEMS (contd.)	
Access Control Line	EX	PR	P.L. Indicator	EX	PR
Access Control Line & ROW	EX	PR	Point Indicator	EX	PR
Access Control Line & ROW With Fence	EX	PR	Earthworks Balance Point	EX	PR
Excess ROW Line	EX	PR	Begin Point	EX	PR
ROADWAY PLAN ITEMS		SIGNING ITEMS		SIGNING ITEMS	
Cable Barrier	EX	PR	Vert. Curve Data	EX	PR
Concrete Barrier	EX	PR	Ditch Profile Left Side	EX	PR
Edge of Pavement	EX	PR	Ditch Profile Right Side	EX	PR
Bit Shoulders, Medians and C&G Line	EX	PR	Roadway Profile Line	EX	PR
Aggregate Shoulder	EX	PR	Storm Sewer Profile Left Side	EX	PR
Sidewalks, Driveways	EX	PR	Storm Sewer Profile Right Side	EX	PR
Guardrail	EX	PR	Cone, Drum or Barricade	EX	PR
Guardrail Post	EX	PR	Barricade Type II	EX	PR
Traffic Sign	EX	PR	Barricade Type III	EX	PR
Corrugated Median	EX	PR	Barricade With Edge Line	EX	PR
Impact Attenuator	EX	PR	Flashing Light Sign	EX	PR
North Arrow with District Office (Half Size)	EX	PR	Panels I	EX	PR
Match Line	EX	PR	Panels II	EX	PR
Slope Limit Line	EX	PR	Direction of Traffic	EX	PR
Typical Cross-Section Line	EX	PR	Sign Flag (Half Size)	EX	PR
STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	
STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	

SIGNING ITEMS (contd.)	EX	PR	STRUCTURES ITEMS	EX	PR	TRAFFIC SHEET ITEMS	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)						Cable Number		
Two Way Arrow Large W1-7-(O) (Half Size)			Box Culvert Barrel			Left Turn Green		
Detour M4-10L-(O) (Half Size)			Box Culvert Headwall			Left Turn Yellow		
Detour M2-10R-(O) (Half Size)			Bridge Pier			Signal Backplate		
One Way Left R6-1L (Half Size)			Bridge			Signal Section 8" (200 mm)		
One Way Right R6-1R (Half Size)			Retaining Wall			Signal Section 12" (300 mm)		
Left Turn Lane R3-100L (Half Size)			Temporary Sheet Piling			Walk/Don't Walk Letters		
Keep Left R4-7AL (Half Size)						Walk/Don't Walk Symbols		
Keep Left R4-7BL (Half Size)								
Keep Right R4-7AR (Half Size)								
Keep Right R4-7BR (Half Size)								
Stop Here On Red R10-6AL (Half Size)						Galv. Sheet Conduit		
Stop Here On Red R10-6AR (Half Size)						Underground Cable		
No Left Turn R3-2 (Half Size)						Detector Loop Line		
No Right Turn R3-1 (Half Size)						Detector Loop Large		
Road Closed R11-2 (Half Size)						Detector Loop Small		
Road Closed Thru Traffic R11-2 (Half Size)						Detector Loop Quadrangle		
<div data-bbox="1317 1682 1443 1950">  <div data-bbox="1349 1682 1443 1950"> <div data-bbox="1349 1682 1382 1950">APPROVED</div> <div data-bbox="1382 1682 1414 1950">ENGINEER-IN-CHARGE AND PROCEDURES</div> <div data-bbox="1414 1682 1443 1950">APPROVED</div> </div> </div>			STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS (Sheet 8 of 9)			STANDARD 000001-08		



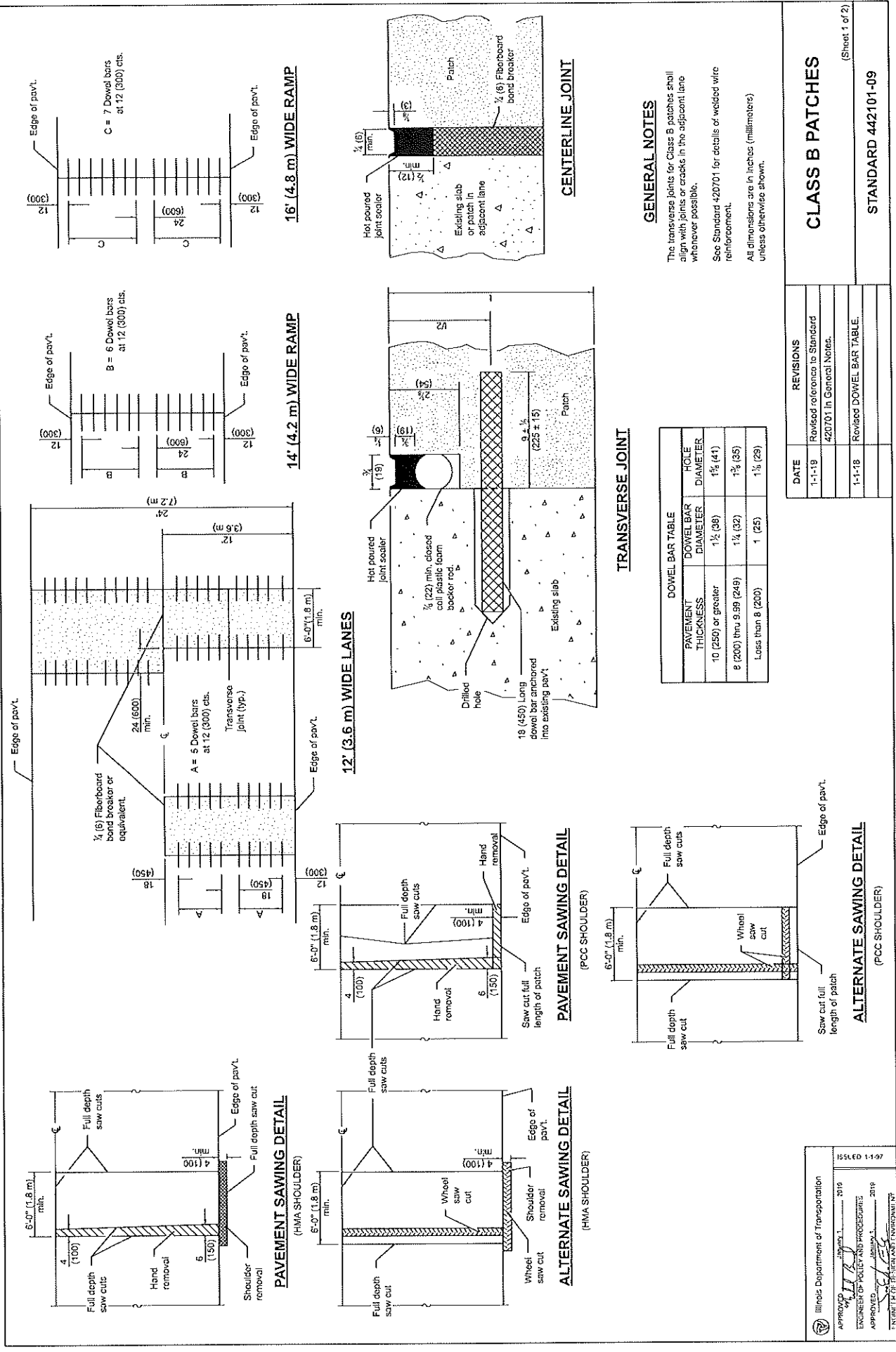
TRAFFIC SIGNAL ITEMS (contd.)		UNDERGROUND UTILITY ITEMS		UTILITY ITEMS (contd.)	
EX	PR	EX	PR	EX	PR
Detector Raceway				Traffic Signal	
Aluminum Mast Arm		Electric Cable		Traffic Signal Control Box	
Steel Mast Arm		Fiber Optic		Water Meter	
Veh. Detector Magnetic		Gas Pipe		Water Meter Valve Box	
Conduit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

(Sheet 9 of 9)


Illinois Department of Transportation  
APPROVED *[Signature]* 2001  
ENGINEER OF POLICIES AND PROCEDURES  
APPROVED *[Signature]* 2001  
JANUARY 1, 2001  
FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION

ISSUED 1-1-97





**GENERAL NOTES**

The transverse joints for Class B patches shall align with joints or cracks in the adjacent lane whenever possible.

See Standard 420701 for details of welded wire reinforcement.

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

DOWEL BAR TABLE			
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER	
10 (250) or greater	1 1/2 (38)	1 3/4 (41)	
8 (200) thru 9.99 (249)	1 1/4 (32)	1 3/8 (35)	
Less than 8 (200)	1 (25)	1 1/8 (29)	

DATE	REVISIONS
1-1-19	Revised reference to Standard 420701 in General Notes.
1-1-18	Revised DOWEL BAR TABLE.

**CLASS B PATCHES**

(Sheet 1 of 2)

STANDARD 442101-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED

2019

ENGINEER OF POLICY AND PROCEDURES

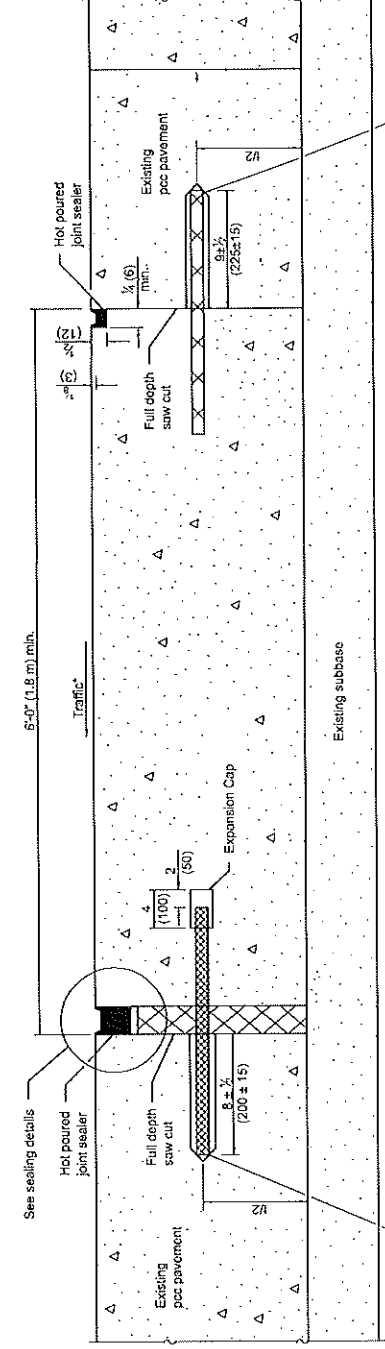
APPROVED

2019

INTEGRITY, COURTESY, AND TRANSPARENCY

ISSUED 1-1-97

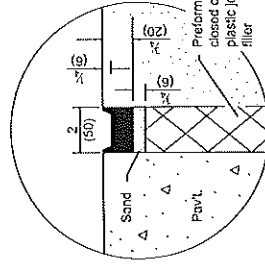
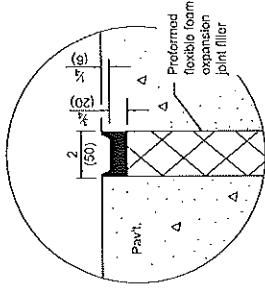
# TRANSVERSE EXPANSION JOINTS



No. 10x18 (No. 32x450)  
Tie bars anchored  
into existing pavement  
at 12 (300) cts.

## METHOD I (Without Resurfacing)

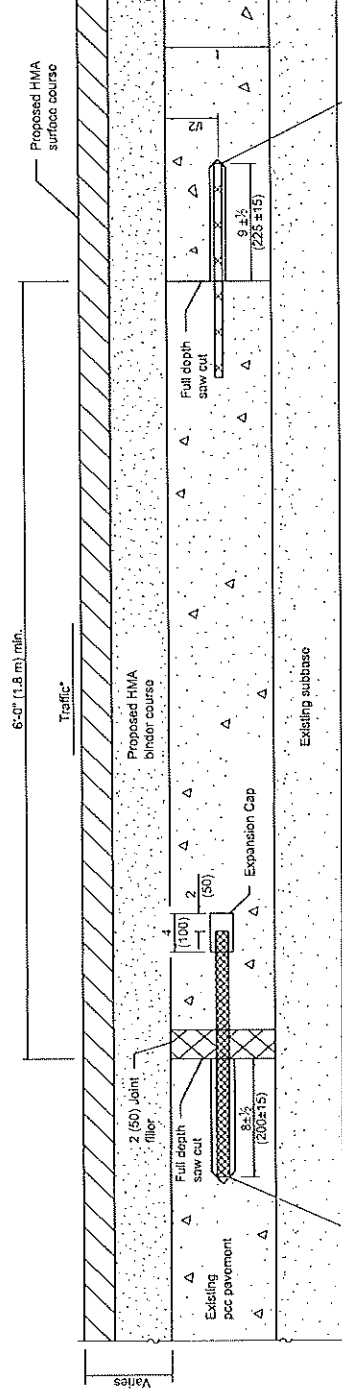
### SEALING DETAIL



### SEALING DETAIL

#### NOTE

- When re-establishing a transverse expansion joint on a two-lane, two-way road, reverse the orientation of the dowel bars with respect to traffic for one of the patches such that the joint will be continuous across both lanes.



No. 10x18 (No. 32x450)  
Tie bars anchored  
into existing pavement  
at 12 (300) cts.

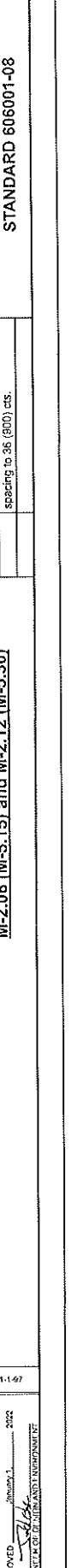
## METHOD II (With Resurfacing)

Illinois Department of Transportation APPROVED: <i>[Signature]</i> ENGINEER OF POLICY AND PROCEDURES APPROVED: <i>[Signature]</i> TRAFFIC ENGINEER	ISSUED: 1-1-67
	2018
	2016
	2014

## CLASS B PATCHES

(Sheet 2 of 2)

STANDARD 442101-09




See Standard 606301 for details of corner islands.

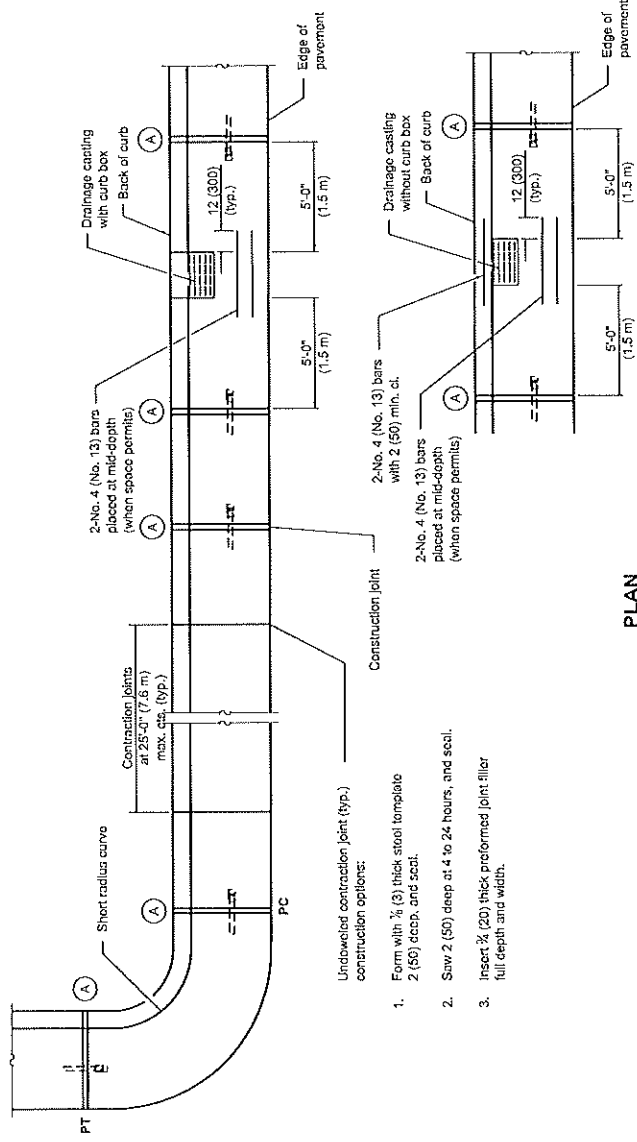
## STANDARD 606001-08

M-2.06 (M-5.15) and M-2.12 (M-5.30)

M-2.06 (M-5.15) and M-2.12 (M-5.30)

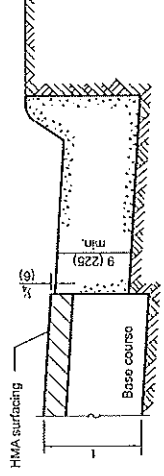
TABLE OF DIMENSIONS BARRIER CURB						
TYPE	A	B	C	D	R <sub>1</sub>	R <sub>2</sub>
B-3.06 *	6	1	6	6	1	1
(B-15.15)	(150)	(25)	(450)	(150)	(25)	(25)
B-4.12	12	1	6	6	1	1
(B-10.41)	(300)	(25)	(150)	(150)	(25)	(25)
B-4.18	18	1	6	6	1	1
(B-15.3)	(450)	(25)	(150)	(150)	(25)	(25)
B-4.24	24	1	6	6	1	1
(B-15.3)	(600)	(25)	(150)	(150)	(25)	(25)
B-5.30	30	1	6	6	1	1
(B-13.0)	(750)	(25)	(150)	(150)	(25)	(25)
B-5.36	36	1	6	6	1	1
(B-22.30)	(900)	(50)	(125)	(225)	(25)	(25)
B-5.48	48	2	5	9	1	1
(B-22.3)	(1200)	(50)	(125)	(225)	(25)	(25)
B-5.54	54	2	5	9	1	1
(B-22.3)	(1350)	(50)	(125)	(225)	(25)	(25)
B-5.74	74	2	5	9	1	1
(B-22.50)	(1800)	(50)	(125)	(225)	(25)	(25)

 Illinois Department of Transportation * For other islands only.	APPROVED: _____ January 1, 2002 <i>Michael Bond</i> ENGINEER OF POLICY AND PROCEDURE	ISSUED 1-1-97
	APPROVED _____ January 1, 2002 <i>Sally Lee</i> ENGINEER OF DESIGN AND CONSTRUCTION	



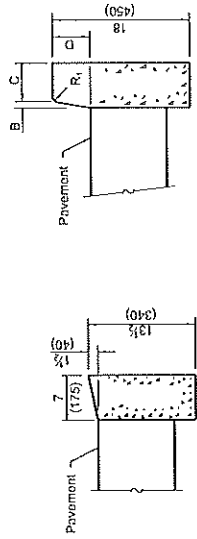
PLAN

- Underslab contraction joint (typ.) construction options:
1. Form with  $\frac{3}{4}$  (3) thick steel template 2 (50) deep, and seal.
  2. Saw 2 (50) deep at 4 to 24 hours, and seal.
  3. Insert  $\frac{3}{4}$  (20) thick preformed joint filler full depth and width.



ON DISTURBED SUBGRADE

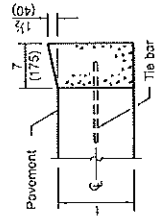
ON UNDISTURBED SUBGRADE



DEPRESSED CURB

BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB

BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

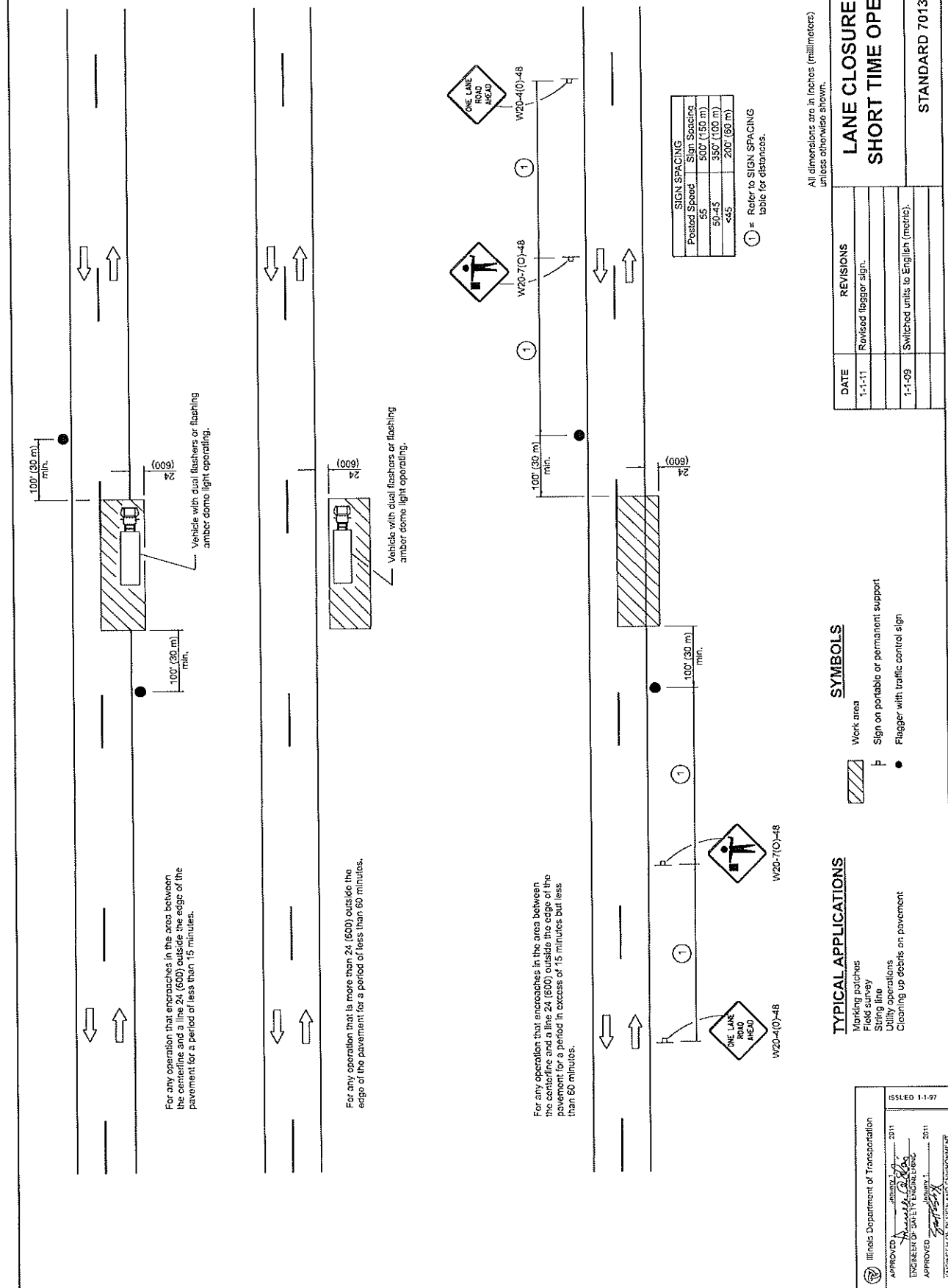
CONCRETE CURB TYPE B

CONCRETE CURB TYPE B  
AND COMBINATION  
CONCRETE CURB AND GUTTER  
(Sheet 2 of 2)

STANDARD 606001-08

Illinois Department of Transportation APPROVED: <i>Michael Bond</i> ENGINEER-IN-CHARGE APPROVED: <i>[Signature]</i> PROJECT MANAGER	JANUARY 1, 2022 ISSUED 1-1-07
	APPROVED: <i>[Signature]</i> PROJECT MANAGER
	APPROVED: <i>[Signature]</i> PROJECT MANAGER
	APPROVED: <i>[Signature]</i> PROJECT MANAGER





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

① = Refer to SIGN SPACING table for distances.

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

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

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

STANDARD 701301-04

## SYMBOLS

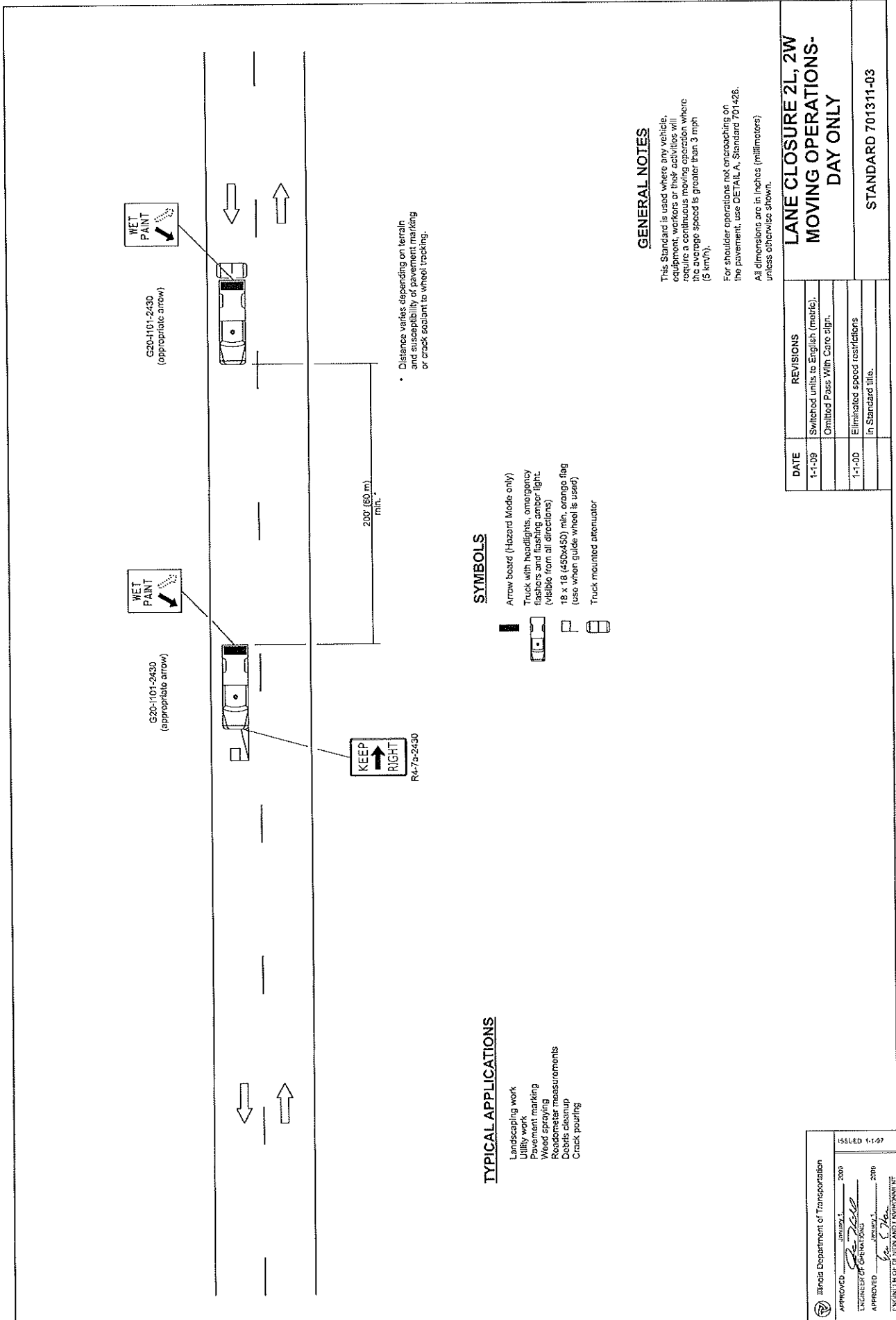
- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

## TYPICAL APPLICATIONS

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

APPROVED: <i>[Signature]</i> ENGINEER: <i>[Signature]</i> APPROVED: <i>[Signature]</i> INSPECTOR: <i>[Signature]</i>		ISSUED: 1-1-97
-------------------------------------------------------------------------------------------------------------------------------	--	----------------





### SYMBOLS

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

### TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Public cleanup
- Crack pouring

### GENERAL NOTES

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

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701428.

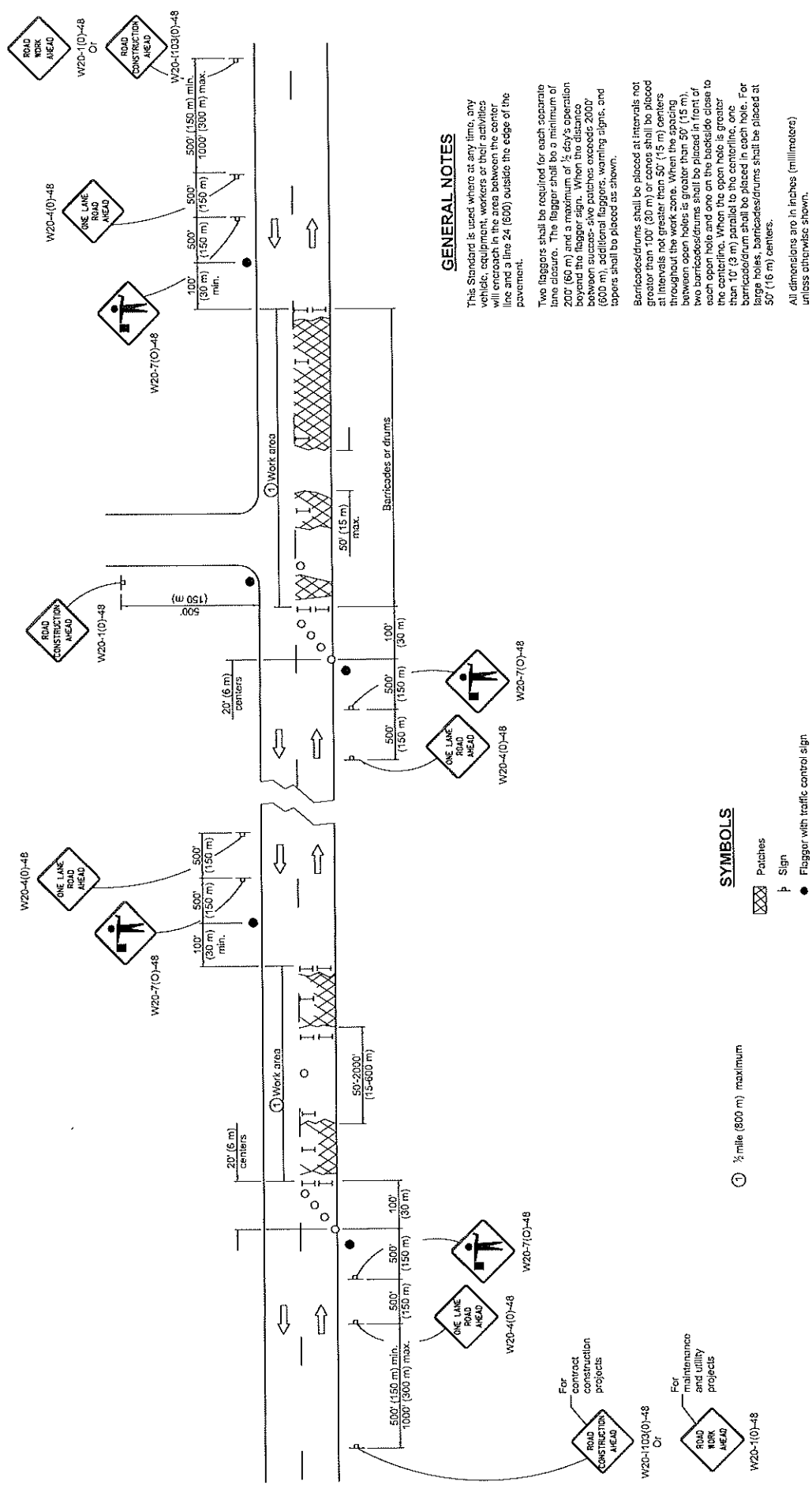
All dimensions are in inches (millimeters) unless otherwise shown.

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

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

STANDARD 701311-03

APPROVED ENGINEER OF TRANSPORTATION <i>[Signature]</i>		ISSUED 1-1-97
APPROVED ENGINEER OF TRANSPORTATION <i>[Signature]</i>		2009



### GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach in the area between the center line and a line 24 (800) outside the edge of the pavement.

Two flaggers shall be required for each separate lane closure. The flagger shall be a minimum of 200' (60 m) and a maximum of 1/2 day's operation beyond the flagger sign. When two flaggers are used, one shall be placed at least 200' (60 m) behind the other. Additional flaggers, warning signs, and cones shall be placed as shown.

Barricades/drums shall be placed at intervals not greater than 100' (30 m) or cones shall be placed at intervals not greater than 50' (15 m) centers throughout the work zone. When the spacing between open holes is greater than 50' (15 m), two barricades/drums shall be placed in front of each open hole and one on the backside close to the centerline. When the open hole is greater than 10' (3 m) parallel to the centerline, one barricade/drum shall be placed in each hole. For large holes, barricades/drums shall be placed at 50' (15 m) centers.

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

### SYMBOLS

- Patches
- Sign
- Flagger with traffic control sign
- Barricade or drum
- Cone, barricade or drum

### TYPICAL APPLICATIONS

Patching

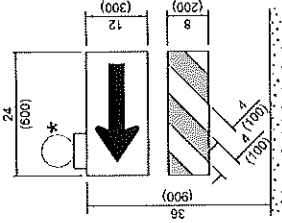
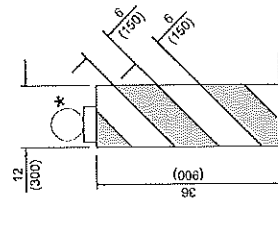
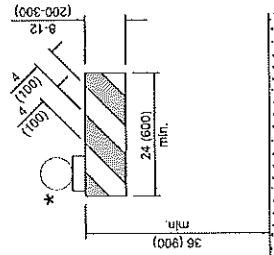
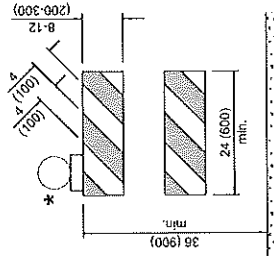
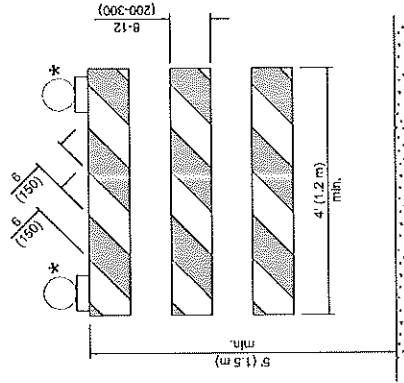
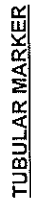
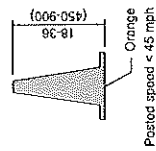
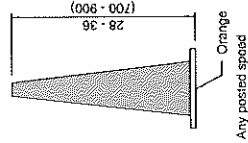
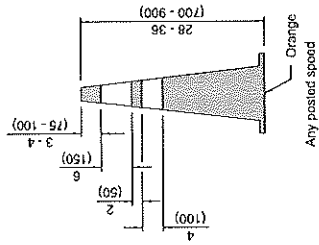
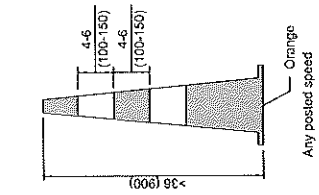
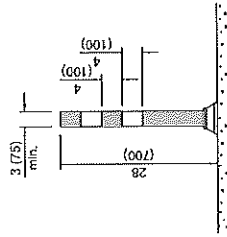
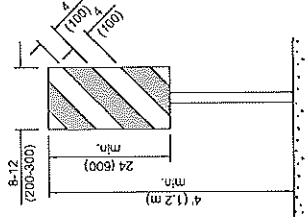
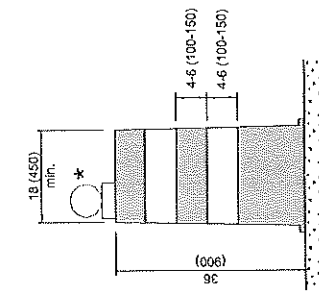
### LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS $\geq 45$ MPH

DATE	REVISIONS
1-1-19	Revised device spacing in taper.
1-1-11	Revised flagger sign.

STANDARD 701336-07

APPROVED  John J. O'Connell CHIEF OF DIVISION OF HIGHWAY AND ENGINEERING	ISSUED 1-1-97
	APPROVED  John J. O'Connell CHIEF OF DIVISION OF HIGHWAY AND ENGINEERING

Illinois Department of Transportation



## TYPE I BARRICADE

TYPE II BARRICADE

### TYPE III BARRICADE

DIRECTION INDICATOR

VERTICAL BARRICADE

## GENERAL NOTES


All heights shown shall be measured above the pavement surface.

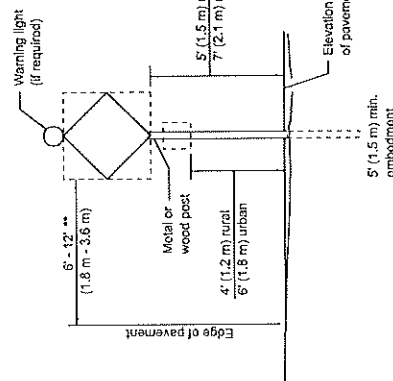
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-25	Updated Temporary Rumble
	Strip Detail (sht. 31).
1-1-24	Revised Type III Barricade notes (sht. 31) & moved warning light on post mounted signs to top corner.

DATE	REVISIONS
1-1-25	Updated Temporary Rumble
	Strip Detail (sht. 31).
1-1-24	Revised Type III Barricade notes (sht. 31) & moved warning light on post mounted signs to top corner.

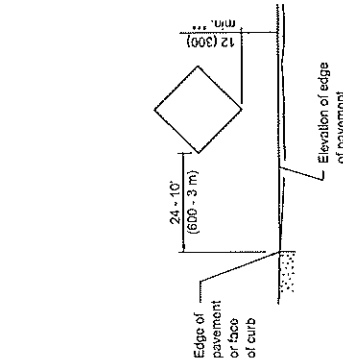
## DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

 Illinois Department of Transportation	APPROVED _____ JANUARY 1 2025 <i>S. E. Hines</i> ENGINEER OF SAFETY PROC. AND ENGINEERING	ISSUED 1-4-13
	APPROVED _____ JANUARY 1 2025 <i>S. E. Hines</i> PROJECT ENGINEER AND DESIGNER	PROJECT ENGINEER AND DESIGNER



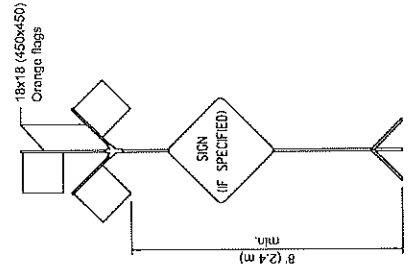
### POST MOUNTED SIGNS

\*\*\* When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 5 (1.5 m) to the outside edge of the paved shoulder.

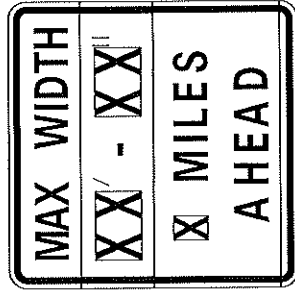


### SIGNS ON TEMPORARY SUPPORTS

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



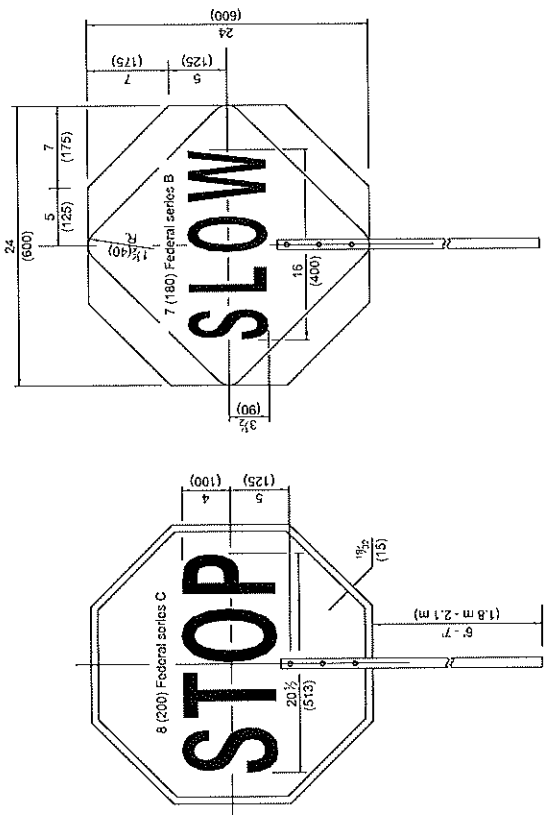
### HIGH LEVEL WARNING DEVICE



W12-103-4848

### WIDTH RESTRICTION SIGN

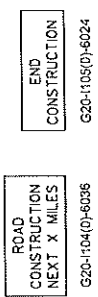
XX'-XX" width and X miles are variable.



FRONT SIDE

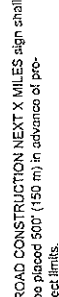
REVERSE SIDE

### FLAGGER TRAFFIC CONTROL SIGN



G20-1103(0)-6036

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



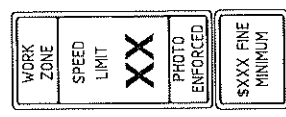
G20-1105(0)-6024

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

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

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

### WORK LIMIT SIGNING



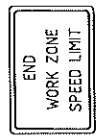
W21-1115(0)-3618

R2-1-3648

R10-1108(0)-3618 \*\*\*

R2-1105(0)-3618

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



G20-1103-6036

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

### HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

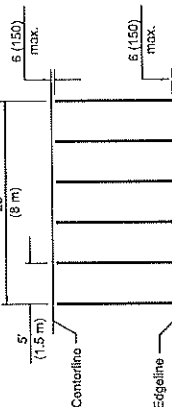
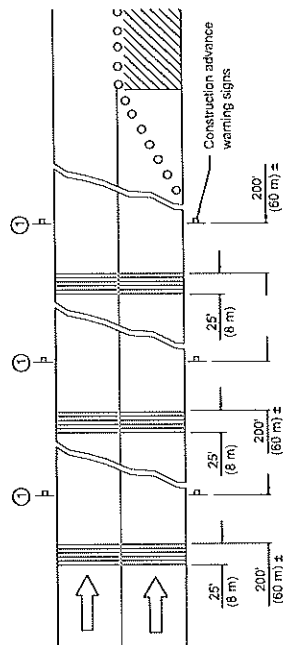
\*\*\*\* R10-1108p shall only be used along roadways under the jurisdiction of the State.

### TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

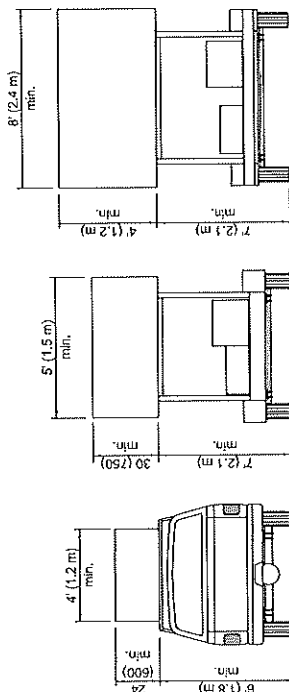
STANDARD 701901-10

Illinois Department of Transportation	
APPROVED	2024
ENGINEER	SAFETY ENGINEERING
APPROVED	2024
TAMM 1117 OF DESIGN AND CONSTRUCTION	



TYPICAL INSTALLATION

# TEMPORARY RUMBLE STRIPS

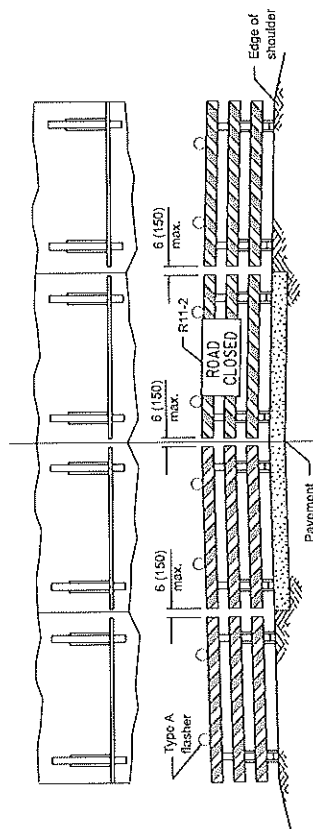


TYPE C  
TRAILER  
MOUNTED

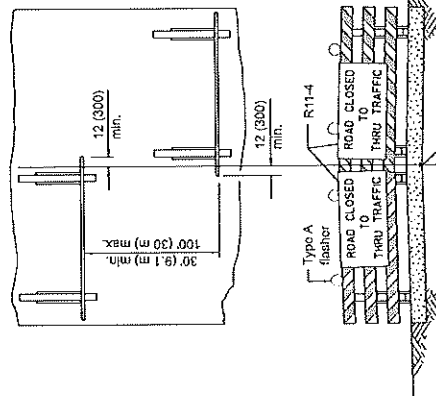
TYPE B  
ROOF OR TRAILER  
MOUNTED

TYPE A  
ROOF  
MOUNTED

# ARROW BOARDS



ROAD CLOSED TO ALL TRAFFIC  
Reflectorized striping may be omitted  
on the back side of the barricades.



ROAD CLOSED TO THRU TRAFFIC  
Reflectorized striping shall appear on  
both sides of the barricades.

# TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

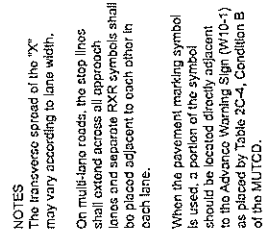
If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

# TRAFFIC CONTROL DEVICES


STANDARD 701901-10

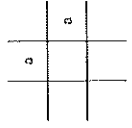
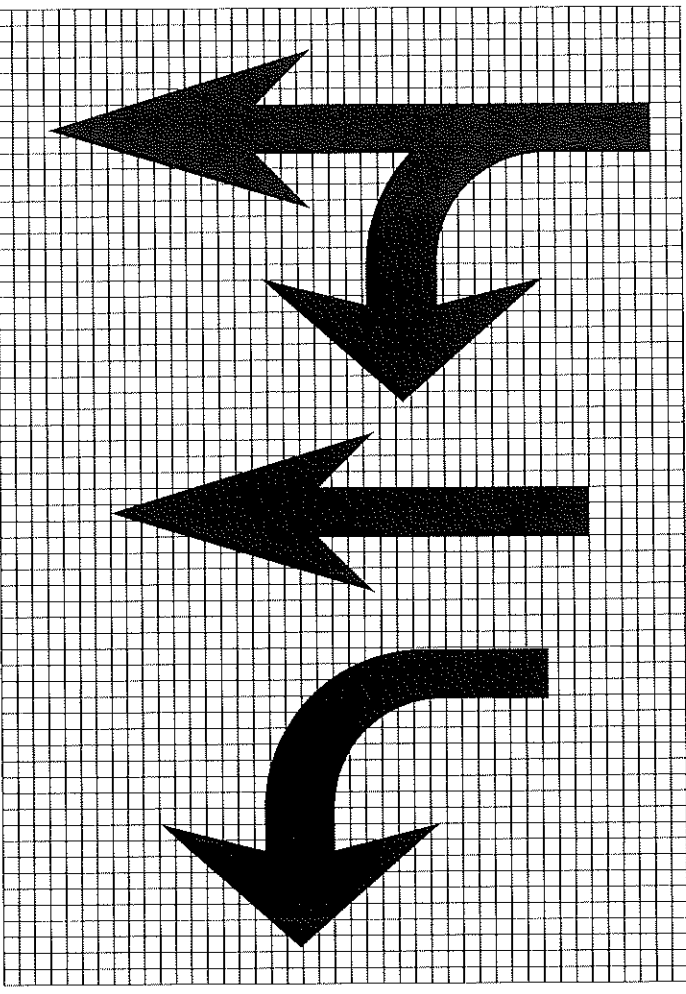
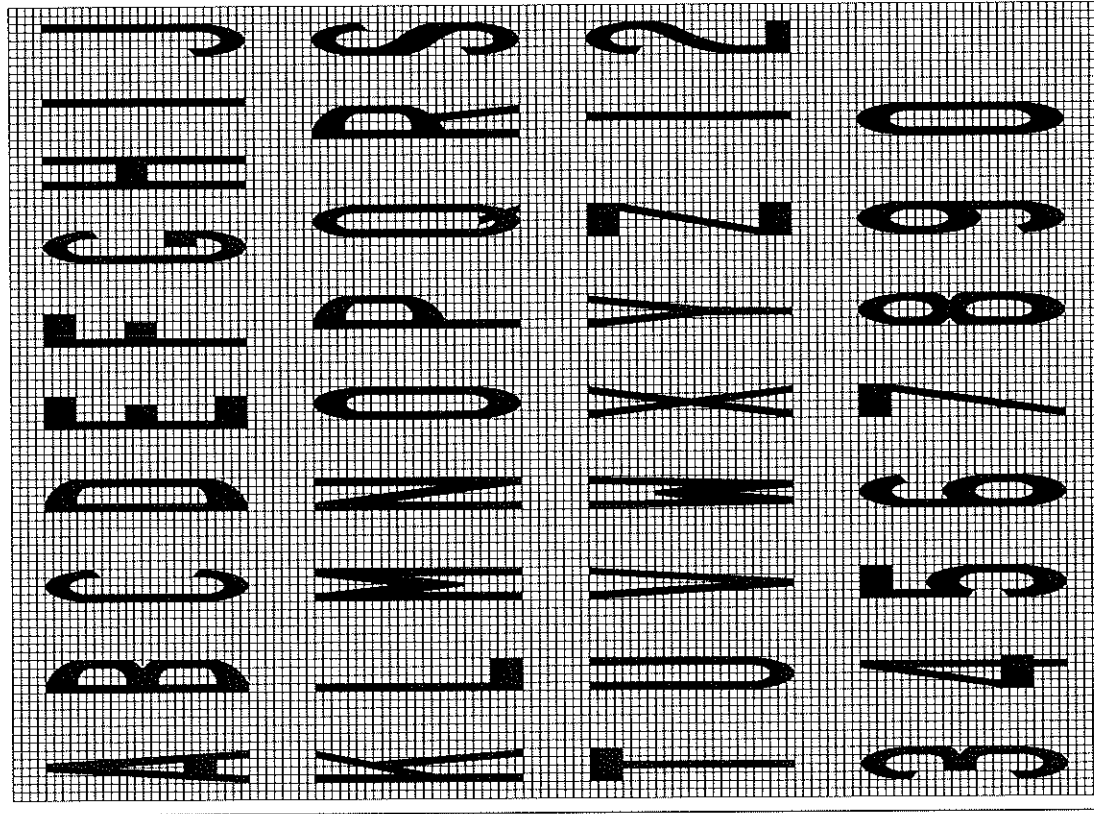
(Sheet 3 of 3)

Illinois Department of Transportation		ISSUED 1-1-13	
APPROVED	January 1, 2013	2013	
ENGINEER OF SAFETY	SAFETY	REGISTERED PROFESSIONAL ENGINEER	
APPROVED	January 1, 2013	2013	
ENGINEER OF THE SIGN AND LIGHTING			



## PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

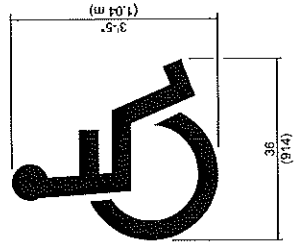
 Illinois Department of Transportation	ISSUED 1-1-97
	APPROVED _____ JANUARY 1, 2015 <i>John Miller</i> ENGINEER OF OPERATIONS
APPROVED _____ JANUARY 1, 2015 <i>[Signature]</i> ENGINEER OF DESIGN AND ENVIRONMENT	



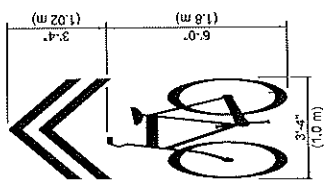
Legend Height	Arrow Size	a
6" (1.8 m)	Small	2.9 (74)
8" (2.4 m)	Large	3.9 (96)

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.

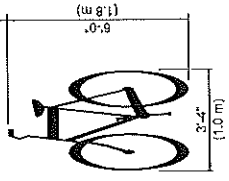
**LETTER AND ARROW GRID SCALE**



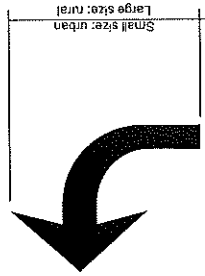
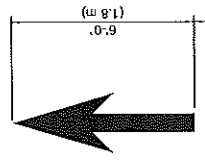
**INTERNATIONAL  
SYMBOL OF  
ACCESSIBILITY**



**SHARED LANE  
SYMBOL**



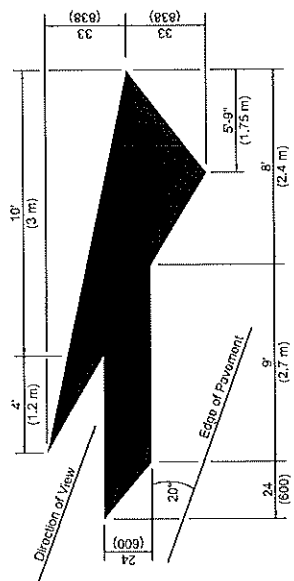
**BIKE SYMBOL**  
(Arrow is optional.)



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

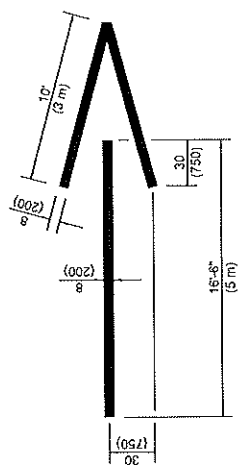
**ONLY**

**WORD AND ARROW LAYOUT**



**LANE-REDUCTION ARROW**

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



**WRONG WAY ARROW**

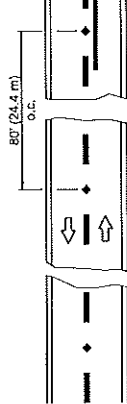
**TYPICAL PAVEMENT  
MARKINGS**

(Sheet 3 of 3)

STANDARD 780001-05

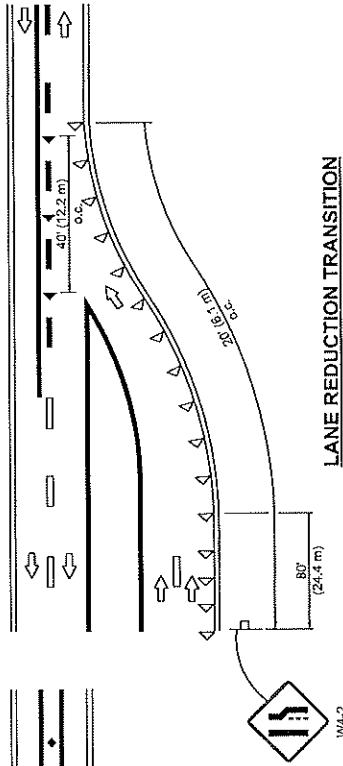
Illinois Department of Transportation		ISSUED 1-1-97
APPROVED	DESIGNED	2016
ENGINEER	DRAWING	
APPROVED	DESIGNED	2016
TYPING (UP TO 10% AND TYPING)		



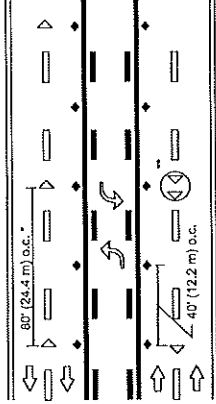


Reduce to 40' (12.2 m) o.c. on curves with posted or advisory speeds of 45 mph (70 km/h) or less.

### TWO-LANE / TWO-WAY

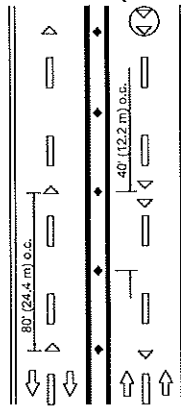


### LANE REDUCTION TRANSITION



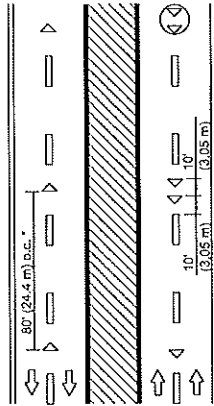
See MULTI LANE DIVIDED detail for lane marker notes.

### TWO-WAY LEFT TURN



See MULTI LANE DIVIDED detail for lane marker notes.

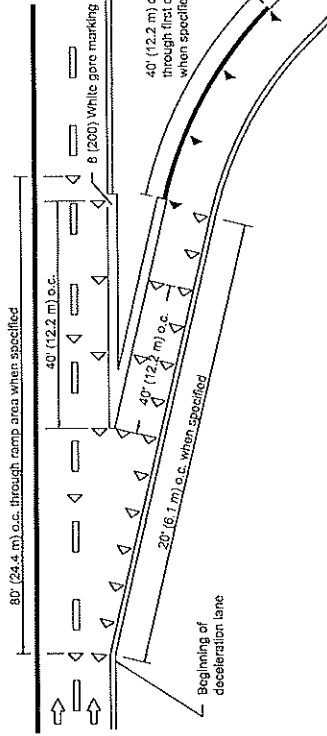
### MULTI-LANE UNDIVIDED



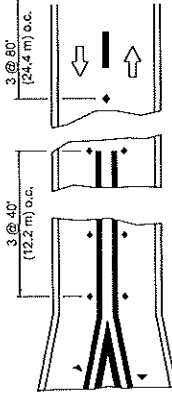
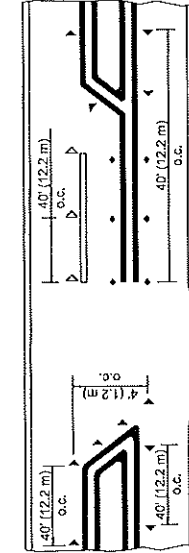
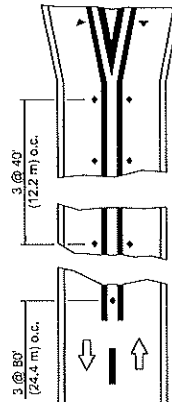
Reduce to 40' (12.2 m) o.c. on curves where advisory speeds are 10 mph (15 km/h) lower than posted speeds.

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

### FREEWAY EXIT RAMP



### MULTI-LANE DIVIDED



### SYMBOLS

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

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

### TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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

### RURAL LEFT TURN

Illinois Department of Transportation

APPROVED: *[Signature]* 2016

DESIGNED BY: *[Signature]* 2015

ISSUED 1-1-97

FIGURE 1-1-1: RURAL LEFT TURN AND THROUGH LEFT TURN

STANDARD 781001-04

**REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

**ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

**I. GENERAL**

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

**II. NONDISCRIMINATION** (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

#### **6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

#### **8. Reasonable Accommodation for Applicants /**

**Employees with Disabilities:** The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

#### **9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:**

The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

#### **10. Assurances Required:**

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA- 1273 format and FHWA program requirements.

#### 1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act ([29 CFR part 3](#))), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to [DBAconformance@dol.gov](mailto:DBAconformance@dol.gov). The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to [DBAconformance@dol.gov](mailto:DBAconformance@dol.gov), refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.*

Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

## 2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its repurchase costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901–3907](#).

### 3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHDL/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in [29 CFR part 3](#); and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH-347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.



(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access (1) Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

#### **4. Apprentices and equal employment opportunity (29 CFR 5.5)**

a. *Apprentices (1) Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeymen on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeymen under this part must be in conformity with



the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

**6. Subcontracts.** The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

**9. Disputes concerning labor standards.** As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.** a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

**11. Anti-retaliation.** It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

## **V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)\* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

\* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

### 3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its repurchase costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

**4. Subcontracts.** The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

**5. Anti-retaliation.** It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;

- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

## **VII. SAFETY: ACCIDENT PREVENTION**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

## **VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

**IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)**

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

**X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

**1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

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## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

- a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

- b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

\* \* \* \* \*

## **3. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

- a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

- c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

- e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

- i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily



excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

\* \* \* \* \*

#### **4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

\* \* \* \* \*

#### **XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or

cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

#### **XII. USE OF UNITED STATES-FLAG VESSELS:**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS  
PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY  
SYSTEM OR APPALACHIAN LOCAL ACCESS**

**ROAD CONTRACTS** (23 CFR 633, Subpart B, Appendix B)

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.