

# 135

**Letting November 7, 2025**

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



**Contract No. 93847  
PIKE County  
Section 24-00037-00-RS (Pittsfield)  
Various Routes  
Project PI5B-056 ()  
District 6 Construction Funds**

Prepared by

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Checked by

(Printed by authority of the State of Illinois)



**Illinois Department  
of Transportation**

**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. November 7, 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. 93847  
PIKE County  
Section 24-00037-00-RS (Pittsfield)  
Project PI5B-056 ()  
Various Routes  
District 6 Construction Funds**

**HMA Resurfacing on N. Monroe Street, E. Adams Street, and Madison Street in Pittsfield. Includes; watermain, sidewalk, ADA ramps, storm sewer, and Lighting.**

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,  
Secretary

**CONTRACT 93847**

**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		<input 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	77	<input checked="" type="checkbox"/> Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
80384	88	<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		<input type="checkbox"/> Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
80029	92	<input checked="" type="checkbox"/> Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2025
80467	95	<input checked="" type="checkbox"/> Erosion Control Blanket	Aug. 1, 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
* 80471		<input type="checkbox"/> Guardrail	Nov. 1, 2025	
* 80472		<input type="checkbox"/> High Friction Surface Treatment	Nov. 1, 2025	
80456	98	<input checked="" 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	Aug. 1, 2025
* 80464	100	<input checked="" type="checkbox"/> Pavement Marking	April 1, 2025	Nov. 1, 2025
80468	101	<input checked="" type="checkbox"/> Pavement Patching	Aug. 1, 2025	
80441	102	<input checked="" 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
* 80473		<input type="checkbox"/> Raised Reflective Pavement Markers	Nov. 1, 2025	
80455	107	<input checked="" type="checkbox"/> Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
* 80474		<input type="checkbox"/> Residential Driveway Temporary Signal	Nov. 1, 2025	
80445	109	<input checked="" type="checkbox"/> Seeding	Nov. 1, 2022	
80457	115	<input checked="" type="checkbox"/> Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
80462	119	<input checked="" type="checkbox"/> Sign Panels and Appurtenances	Jan. 1, 2025	April 1, 2025
80469		<input type="checkbox"/> Slope Wall	Aug. 1, 2025	
80448	120	<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		<input type="checkbox"/> Steel Cost Adjustment	April 2, 2004	Nov. 1, 2025
80397	121	<input checked="" type="checkbox"/> Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	122	<input checked="" type="checkbox"/> Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80463	123	<input checked="" type="checkbox"/> Submission of Bidders List Information	Jan. 2, 2025	Mar. 2, 2025
80437	124	<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	126	<input checked="" type="checkbox"/> Surveying Services	April 1, 2025	
80466		<input type="checkbox"/> Temporary Rumble Strips	April 1, 2025	
80470		<input type="checkbox"/> Traffic Signal Backplate	Aug. 1, 2025	
20338	127	<input checked="" type="checkbox"/> Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021



<b><u>File Name</u></b>	<b><u>Pg.</u></b>	<b><u>Special Provision Title</u></b>	<b><u>Effective</u></b>	<b><u>Revised</u></b>
80429		<input type="checkbox"/> Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	130	<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	131	<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	132	<input checked="" type="checkbox"/> Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
80071		<input 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 invitations of bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the check sheet included herein which apply to and govern the construction of Section 24-00037-00-RS Project in the City of Pittsfield, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

**DESCRIPTION OF WORK:** This project consists of improvements to N. Monroe St from S. Washington St. northerly to E. Jefferson St., E. Adams St. from N. Memorial St. easterly to N. Monroe St, and N. Madison St. from Washington St. northerly to E. Adams St. Improvements will consist of watermain construction, ADA sidewalk removal and replacement, storm sewer removal and replacement, hot-mix asphalt milling and resurfacing, street and pedestrian scale lighting, streetscape amenities earth excavation and related work.

**COMPLETION DATE:** All work required in this contract shall be completed by December 15, 2027. In addition to the final completion date all asphalt paving, pavement marking, and seeding shall be completed by November 1, 2027.

If the contractor fails to complete the required work by the completion date(s), he/she shall be liable to the Department for liquidated damages in accordance with Article 108.09 of the Standard Specifications, and any other additional special provision which may be attached herein which supplements Article 108.09. The Contractor will also be liable for additional items of work made necessary by not meeting the completion date(s). Such items include, but are not restricted to pavement patching, temporary sidewalk, temporary pavement marking, temporary erosion control, and temporary seeding.

**J.U.L.I.E.:** The toll-free telephone number of Joint Utility Locating Information for Excavators is 800-892-0123 or 811.

**CONTRACTOR RESPONSIBILITIES:** An Illinois Department of Transportation (IDOT) utility permit is pending with IDOT and is necessary for the construction of the storm sewers on Madison Street and Monroe Street that discharge into manholes that are on IDOT right of way. It will be the responsibility of the Contractor to provide three original executed copies of the bond form and complete the Traffic Control Authorization Request Form and return them to IDOT as indicated in the attached email and letter. The IDOT permit shall be approved by IDOT prior to construction of the storm sewer outfall. Cost of obtaining the permit shall not be paid for separately but shall be included in the Contract unit price per FOOT for STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH.

It is the responsibility of the Contractor to perform his work in accordance with the Illinois Environmental Protection Agency (IEPA) Public Water Supply Construction Permit No. 0645-FY2025 and corresponding supplement 1-0645-FY2025, both contained herein for

reference. It shall be the responsibility of the Contractor to meet any and all requirements and deadlines set forth in these documents.

It shall be the responsibility of the Contractor to construct the improvements in stages to minimize disruptions to pedestrians and the motoring public.

Prior to winter shutdown, the Contractor shall fill all open holes flush to the surrounding surface and construct all sidewalks that have been removed in order to provide continuous paths for access to all adjacent buildings.

**TRAFFIC CONTROL:** Traffic control shall be in accordance with the applicable sections of the standard specifications for road and bridge construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, these special provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Article 107.09 and Sections 701 thru 703 of the Standard Specifications for Road and Bridge Construction and the following Highway Standards:

701501  
701601  
701701  
701801  
701901  
BLR 21-9

This project shall be constructed under traffic, with the exception of the utility tunnel abandonment. The closure of the Monroe St - Adams St intersection during the abandonment of the utility tunnel shall be permitted. The right turn movement from Monroe St to Adams St shall remain open. This closure shall be coordinated in advance with the City of Pittsfield and the Engineer. Under no circumstances shall the road closure exceed three (3) consecutive calendar days.

The contractor shall be responsible for the traffic control devices at all times during construction activities and shall coordinate the items of work to keep traffic hazards and/or inconveniences to a minimum.

Type III barricades and advance warning signs shall be erected at each end of the section to safeguard the public, while warning signs shall be erected notifying traffic of construction of this project. All barricades and signs required shall be furnished by the Contractor. The Type III Barricades at the Road closure shall be equipped with two Type A warning lights.

The Contractor shall allow access to private property along the closed portions of the road or sidewalk where no other public way provides access. Open holes, trenches and drop offs shall be fenced and barricaded to protect local traffic and pedestrians. Flagger(s) will be required when work encroaches on the open lane(s).

Traffic control and protection shall be in accordance with the standards, details and special provisions in the plans and shall be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which price shall be payment in full for all materials, labor and equipment required to complete this item as specified and to the satisfaction of the Engineer.

**STORM SEWER - WATER MAIN REQUIREMENTS:** 6M14 09/01/08 This work shall consist of constructing a storm sewer to meet water main standards, as required by the IEPA or when otherwise specified. The work shall be performed in accordance with applicable parts of Section 550 of the Standard Specifications, applicable sections of the current edition of the IEPA Regulations (Title 35 of the Illinois Administrative Code, Subtitle F, Chapter II, Section 653.119), the applicable sections of the current edition of the Standard Specifications for Water and Sewer Main Construction in Illinois, and as herein specified.

This provision shall govern the installation of all storm sewers which do not meet IEPA criteria for separation distance between storm sewers and water mains. Separation criteria for storm sewers placed adjacent to water mains and water service lines are as follows:

1. Water mains and water service lines shall be located at least 10 feet (3.05 meters) horizontally from any existing or proposed drain, storm sewer, or sewer service connection.
2. Water mains and water service lines may be located closer than 10 feet (3.05 meters) to a sewer line when:
  - A. local conditions prevent a lateral separation of 10 feet (3.05 meters), and
  - B. the water main or water service invert is 18 inches (460 mm) above the crown of the sewer, and
  - C. the water main or water service is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.
3. A water main or water service shall be separated from a sewer so that its invert is a minimum of 18 inches (460 mm) above the crown of the drain or sewer whenever water mains or services cross storm sewers, sanitary sewers or sewer service connections. The vertical separation shall be maintained for that portion of the water main or water services located 10 feet (3.05 meters) horizontally of any sewer or drain crossed.

When it is impossible to meet 1, 2, and 3 above, the storm sewer shall be constructed of concrete pressure pipe, slip-on or mechanical joint ductile iron pipe, or PVC pipe equivalent to water main standards of construction. Construction shall extend on each side of a crossing until the perpendicular distance from the water main or water service to the sewer or drain line is at least 10 feet (3.05 meters). Storm sewer meeting water main requirements shall be constructed of the following pipe materials:

Concrete Pressure Pipe

Concrete pressure pipe shall conform to the latest ANSI/AWWA C300, C301, C302, or C303.

Joints shall conform to Article 41-2.07B of the "Standard Specifications for Water and Sewer Main Construction in Illinois."

Ductile Iron Pipe

Ductile-iron pipe shall conform to ANSI A 21.51 (AWWA C151), class or thickness designed per ANSI A 21.50 (AWWA C150), tar (seal) coated and/or cement lined per ANSI A 21.4 (AWWA C104), with a mechanical or rubber ring (slip seal or push on) joints.

Joints for ductile iron pipe shall be in accordance with the following applicable specifications.

- |    |                   |   |                    |
|----|-------------------|---|--------------------|
| 1. | Mechanical Joints | - | AWWA C111 and C600 |
| 2. | Push-On Joints    | - | AWWA C111 and C600 |

Plastic Pipe

Plastic pipe shall be marked with the manufacturer's name (or trademark); ASTM or AWWA specification; Schedule Number, Dimension Ratio (DR) Number or Standard Dimension Ratio (SDR) Number; and Cell Class. The pipe and fittings shall also meet NSF Standard 14, and bear the NSF seal of approval. Fittings shall be compatible with the type of pipe used. The plastic pipe options shall be in accordance with the following:

1. Polyvinyl Chloride (PVC) conforming to ASTM D 1785. Schedule 80 is the minimum required for all pipe sizes, except when the pipe is to be threaded, and then it shall be Schedule 120. It shall be made from PVC compound meeting ASTM D 1784, Class 12454.
2. Polyvinyl Chloride (PVC) conforming to ASTM D 2241. A minimum wall thickness of SDR 26 is required for all pipe sizes (Note: The lower the SDR number, the higher the wall thickness and pressure rating). It shall be made from PVC compound meeting ASTM D 1784, Class 12454.
3. Chlorinated Polyvinyl Chloride (CPVC) conforming to ASTM F 441. A minimum of Schedule 80 is required for all pipe sizes. Threaded joints are not allowed. It shall be made from CPVC compound meeting ASTM D 1784, Class 23447.
4. Chlorinated Polyvinyl Chloride (CPVC) conforming to ASTM F 442. A minimum wall thickness of SDR 26 is required for all pipe sizes (Note: The lower the SDR number, the higher the wall thickness and pressure rating). It shall be made from CPVC compound meeting ASTM D 1784, Class 23447.
5. Polyvinyl Chloride (PVC) conforming to ANSI/AWWA C900. A minimum of wall thickness of DR 25 is required for all pipe sizes (Note: The lower the DR number, the higher the wall thickness and pressure rating). It shall be made from PVC compound meeting ASTM D 1784, Class 12454.

6. Polyvinyl Chloride (PVC) conforming to ANSI/AWWA C905. A minimum of wall thickness of DR 26 is required for all pipe sizes (Note: The lower the DR number, the higher the wall thickness and pressure rating). It shall be made from PVC compound meeting ASTM D 1784, Class 12454.

Joining of plastic pipe shall be by push-on joint, solvent welded joint, heat welded joint, flanged joint, or threaded joint, in accordance with the pipe manufacturer's instructions and industry standards. Special precautions shall be taken to insure clean, dry contact surfaces when making solvent or heat welded joints. Adequate setting time shall be allowed for maximum strength.

Elastomeric seals (gaskets) used for push-on joints on plastic pipe shall comply with ASTM F477.

Solvent cement shall be specific for the plastic pipe material and shall comply with ASTM D 2564 (PVC) or ASTM F 493 (CPVC) and be approved by NSF.

For water-sewer line crossings only, storm sewer meeting water main requirements may also be constructed of reinforced concrete sewer pipe. The pipe shall conform to ASTM C 76 with a joint and rubber gasket meeting ASTM C 443. The joint shall meet the leakage performance test in ASTM C 443. The pipe manufacturer must demonstrate to Illinois Department of Transportation personnel that the joints pass the leakage performance test prior to installation of the pipe. The pipe class shall meet the requirements of Section 550 of the *Standard Specifications for Road and Bridge Construction*.

This work will be measured and paid for at the contract unit price per foot (meter) for STORM SEWER (WATER MAIN REQUIREMENTS) of the diameter specified.

**PAVEMENT REMOVAL OVER EXISTING WATER MAINS:** At pavement removal locations over existing water mains, pavement breaking using impact equipment will not be permitted. This restriction will apply to pavement being removed within 10 feet of a water main location. The method of removal will be approved by the Engineer and will be included in the unit cost of the removal pay item.

**PRESERVING PROPERTY MARKERS:** The existing property corner markers located along this section shall be protected by the Contractor. Any such monuments destroyed by the Contractor's operation shall be replaced by a Registered Land Surveyor at no additional cost to the Department.

Any expense, inconveniences, or delays caused the Contractor in complying with this Special Provision will be considered as incidental to the contract and no additional compensation will be allowed.

**STATUS OF UTILITIES TO BE ADJUSTED**

<b>Name and Address of Utility</b>	<b>Type</b>	<b>Location</b>	<b>Estimated Date Relocation Completed</b>
City of Pittsfield 742 N. Monroe St. Pittsfield, IL 62363	Water, San. Sewer & Gas	Throughout Project	During Construction
Ameren Illinois (North) 303 Pittsfield Road Mt. Sterling, IL 62353	Electric (Aerial) Gas (Buried)	Throughout Project	During Construction
Cass Co Telephone & Cable 100 Redbud Road PO Box 200 Virginia, Illinois 62691	Telephone	Throughout Project	During Construction
Frontier Communications 1919 McKinney Avenue Dallas, Texas 75201	Cable TV	Throughout Project	During Construction

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

If any utility adjustment or removal has not been completed when required by the contractor's operations, the contractor 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.

**SIDEWALK REMOVAL:** This work shall consist of removing sidewalks, sidewalks with monolithic curbs, and concrete steps at locations indicated on the plans and as directed by the Engineer and in accordance with the applicable portions of Section 440 of the Standard Specifications.

In areas adjacent to existing building faces where the building face rests on the concrete, it may be necessary to neatly sawcut the existing sidewalk at the existing building face to obtain a vertical edge at locations as directed by the Engineer. This work shall not be paid for separately, but shall be included in the cost of sidewalk removal.

Method of Measurement: The top surface area of the sidewalks, monolithic curbs and steps will be measured and computed in square feet. Vertical faces will not be measured for payment

Basis of Payment: This work shall be paid for at the contract unit price per square foot for SIDEWALK REMOVAL which price shall include all labor and equipment necessary including saw cuts, to complete the work as specified.

**COMBINATION CURB AND GUTTER REMOVAL:** This work shall consist of removing concrete curb and gutter, concrete curb, gutter and stone curb at locations indicated on the plans and as directed by the Engineer and in accordance with the applicable portions of Section 440 of the Standard Specifications.

Basis of Payment: This work shall be paid for at the contract unit price per foot for COMBINATION CURB AND GUTTER REMOVAL in accordance with Article 440.08 of the Standard Specifications.

**SAWCUTTING PAVEMENT, SIDEWALK, CURB AND COMBINATION CURB AND GUTTER:** Prior to removal of any of the above items, the joint between that portion to remain and that portion to be removed shall be neatly sawed to obtain a vertical edge.

This work shall not be paid for separately but considered included in the cost of the item being removed.

**PORTLAND CEMENT CONCRETE BASE COURSE:** The Contractor shall provide expansion and contraction joints in accordance with Standard 420001 to match the locations of the joints in the existing base course to remain in place and as directed by the Engineer.

This work shall not be paid for separately but shall be included in the Contract unit price per SQ YD for PORTLAND CEMENT CONCRETE BASE COURSE 8".

**COMBINATION CONCRETE CURB AND GUTTER ABUTTING EXISTING PAVEMENT:** This work shall consist of removing existing curb/gutter and pavement, and constructing Combination Concrete Curb and Gutter that abuts the existing pavement.

For areas where existing pavement is removed beyond the minimum necessary to construct the proposed curb and gutter, the Contractor shall provide Class B Pavement Patching between the edge of the gutter flag and the edge of the sawcut. This work shall be completed in accordance with Section 442 of the Standard Specifications and as directed by the Engineer.

Prior to removal of any existing curb/gutter for construction of the new combination concrete curb and gutter, the Contractor shall longitudinally sawcut the existing pavement to provide a clean square edge for construction of the proposed curb and gutter. In areas of existing pavement where there is no existing curb/gutter, the existing pavement shall be sawcut longitudinally to provide a clean square edge for construction of the proposed curb and gutter. Saw cutting the existing pavement shall be completed in accordance with the applicable portions of Section 442 of the Standard Specifications.

The proposed construction of the Combination Concrete Curb and Gutter shall be constructed as specified in the plans, IDOT Highway Standard 606001, Section 606 of the Standard Specifications, and as directed by the Engineer.

The work necessary to construct the proposed Combination Concrete Curb and Gutter adjacent to existing pavement, including sawcuts, pavement removal, earth excavation,



aggregate subbase, pavement patching, tie/dowel bars shall not be paid for separately, but shall be considered included in the cost of the COMBINATION CONCRETE CURB AND GUTTER, of the type specified, and no additional compensation will be allowed.

**HAND GRADING:** Grading shall be done by hand around light poles, utility poles, signposts, shrubs, trees or other natural or man-made objects where shallow fills or cuts are adjacent to the items. The decision as to items to remain in place shall be as directed by the Engineer.

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

**PRIMING OPERATIONS WITHIN THE BUSINESS DISTRICT:** Care shall be taken by the Contractor during priming within the limits of this section. Consideration shall be given by the Contractor for manners of performing priming operations in these areas to minimize tracking of the prime coat by pedestrian traffic into adjacent businesses.

The Contractor shall use emulsion prime coat, prime before store hours, prime after store hours, gap prime at pedestrian crossings, prime just far enough ahead of his asphalt laydown operation to assure that the prime coat breaks or prime on weekends when businesses are closed. Care shall also be used in these areas not to prime more area than can be overlaid in one day's operation.

Any inconveniences incurred by the Contractor in complying with this Special Provision will be considered included in the cost per pound for BITUMINOUS MATERIALS (TACK COAT) and no additional compensation will be allowed.

**STRINGLINE:** Some or all of the milling and/or surface on this section is intended as the first step toward establishing the proposed profile grade as represented by the roadway profile grade elevation and the top of curb grade. In these locations which are shown in the plans, the milling and surface will be controlled by stringline(s) erected, maintained and removed and disposed of by the Contractor.

The cost of providing, erecting, maintaining, removing, disposing of and employing the stringline as the grade control will not be paid for separately, but shall be considered as included in the pay item involved.

**HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4":** This work shall consist of the partial removal of the hot-mix asphalt surfacing of the existing pavement at the locations shown on the plans. Milling will be 1 3/4" minimum and variable as necessary to establish the proposed profile grade and pavement cross slope. In areas where it is necessary to mill deeper than 1 3/4" to establish the profile grade and/or cross slope, the milling shall be limited to the existing hot-mix asphalt thickness. Under no circumstance shall the concrete base be milled.

This work shall be performed in accordance with the Special Provision for Stringline and Section 440 of the Standard Specifications.

All millings shall become the property of the City of Pittsfield. The Contractor shall deliver the millings to a stockpile within the City of Pittsfield at a location specified by the City.

This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT SURFACE REMOVAL, 1 ¾", which price shall include all labor and equipment, including stringline, necessary to complete the work to the satisfaction of the Engineer.

**WATER DISTRIBUTION SYSTEM:** This item shall consist of furnishing and installing water main, water services, fire hydrants, fittings, valves, valve boxes, line stops, water main casing and other appurtenances necessary to complete the work; said water main and appurtenances being of the type, classes, sizes and dimensions required on the plans; all items being furnished and installed at the places designated on the plans or by the Engineer, in accordance with these specifications and the plans.

This item shall include in the bid price per linear foot of water main in place, the cost of common excavation and trench backfill, the cost of furnishing and installing all trench bracing, all fittings required to complete the water main as shown on the plans, encasement of water main under existing sewer as shown on the plans and the material for and the making of all joints including all connections to existing mains.

This work shall be performed in accordance with and the materials shall comply with the applicable portions of the Standard Specifications for Water and Sewer Main Construction in Illinois, 8<sup>th</sup> Edition, dated 2020 and the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, dated January 1, 2022.

## MATERIALS

### GENERAL

The Contractor shall provide all materials required to construct a potable water main with fire hydrants, valves and fittings, valve boxes, thrust blocking, line stops, water main encasement, disinfecting and testing materials meeting regulatory requirements in accordance with:

1. Illinois Environmental Protection Agency:
  - a. Technical Policy Statements, Nov. 1, 1985.
  - b. "Recommended Standards for Water Works," 2012 Edition.
2. American Water Works Association (AWWA):
  - a. Cement Mortar Lining for Ductile Iron and Gray Iron Pipe and Fittings for Water (ANSI/AWWA C104/A21.4-90).
  - b. Rubber Gasket Joints for Ductile Iron and Gray Iron Pressure Pipe and Fittings (ANSI/AWWA C111/A21.11.90).
  - c. Standard for Disinfecting Water Mains (ANSI/AWWA C651-92).

- d. Installation of Gray and Ductile Cast Iron Water Mains and Appurtenances (ANSI/AWWA C600-87).
  - e. Resilient Seated Gate Valves 3" through 12" NPS for Water and Sewage Systems (ANSI/AWWA C509-87).
  - f. Dry Barrel Fire Hydrants (ANSI/AWWA C502-85).
  - g. Ductile Iron and Gray-Iron fittings, 3 in. through 48 in. for water and other liquids (ANSI/AWWA C110/A21.10-93).
3. Specifications for Polyvinyl Chloride (PVC) Plastic Pipe (SDR-PR and Class T) (ASTM D2241).
  4. Underground Installation of Thermoplastic Pressure Piping (ASTM D2774-72).
  5. "Standard Specifications for Water and Sewer Main Construction in Illinois," 8th Edition, dated 2020.
  6. American Water Works Association ANSI/AWWA C900-89, Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. through 12 in. for Water Distribution.

The Contractor shall transport, deliver, unload, store and handle all materials in a manner to prevent damage to the materials or the work. All damaged, broken or otherwise defective materials will be rejected. Store all circular rubber gaskets and special lubricants in packaged materials with the manufacturer's name, brand and all other applicable data plainly marked thereon.

**PVC WATER MAIN PIPE:** Pressure polyvinyl chloride pipe (PVC) of the size shown on the drawings shall be made from clear, virgin, Type 1, Grade 1 resin conforming to the latest revision of ASTM D1784. It shall be bell and spigot using a rubber gasket in accordance with ASTM F477 and be suitable for use at maximum hydrostatic working pressure of 200 psi at 73 degrees F. All pipe shall meet the requirements set forth in AWWA C900 with Dimension Ratio of DR21 and bear the National Sanitation Foundation seal for potable water. Fittings for PVC water main shall be cast iron bolted mechanical joint with retainer glands in accordance with AWWA C110/ANSI A21.10. Fittings shall not be paid for separately but considered included in the cost of the water main of the size specified.

**FIRE HYDRANT COMPLETE:** Fire hydrants shall be Mueller dry barrel with a frangible section near the ground line designed to break on impact. The fire hydrant shall be in accordance with AWWA C502. Fire hydrants shall have a 6-inch mechanical joint inlet connection. Two 2 ½" hose nozzles and one 6" pumper nozzle shall be fitted with cast iron threaded caps with operating nuts of the same design and proportions as the hydrant stem nut. Caps shall be threaded to fit the corresponding nozzles and shall be fitted with suitable gaskets for positive water tightness under test pressures. All hydrants shall include tee, auxiliary 6-inch gate valve and box as specified below and shall not be paid

for separately but included in the cost of Fire Hydrant Complete. Fire hydrants shall be purchased from the City of Pittsfield. Joints for the fire hydrants and auxiliary 6-inch gate valve shall be mechanical with joint in accordance with AWWA A21.11 with retaining glands.

**VALVES WITH VALVE BOXES:** The minimum requirements for all gate valves shall, in design, material and workmanship, conform to the standards of AWWA C509. All materials used in the manufacturer of waterworks gate valves shall conform to the AWWA standards designed for each material listed.

1. The gate valves shall be standard pattern and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letters on the valve body.
2. Valves for underground installation shall be mechanical joint in accordance with AWWA C110/ANSI A21.10, with joints in accordance with AWWA C111/ANSI A21.11 with retainer glands.
3. The valve bodies shall be cast iron, mounted with approved non-corrosive materials. All wearing surfaces shall be bronze or other non-corrosive material, and there shall be no moving bearing or moving contact surfaces or moving iron in contact with iron.
4. Contact surfaces shall be machined and finished in the best workmanlike manner, and all wearing surfaces shall be easily renewable.
5. Gate valves shall be non-rising stem, resilient wedge style Mueller A-2360 with stainless steel bolts. All valves shall open by turning the operator counterclockwise.

Valve boxes of sufficient length to permit operation of the valves shall be supplied with the valves for underground installation. The cast iron valve box shall be of the extension type, Mueller #H-10360 with length sufficient to extend from the water main up to the surface of the finished grade, provided with a detachable iron lid at least six inches in diameter. The word "WATER" shall be cast on the lid of each box. A plastic alignment device shall be placed on valve stem prior to valve box placement. Valve boxes shall not be paid for separately but considered included in the cost of the valve of the size specified.

**CASING:** The encasing of watermains shall be in accordance with Standard Drawing No. 21M of the Standard Specifications for Water and Sewer Construction in Illinois, 8<sup>th</sup> Edition, 2020.

**THRUST BLOCKING:** Construct poured concrete thrust blocking at all bends in piping equal to or greater than 11-1/4° and at hydrant locations. The concrete blocking shall be poured against undisturbed earth. Thrust block bearing surface shall be of size as shown on drawings and as directed by the Engineer. Concrete shall be Class SI, in accordance with the applicable requirements of Sections 503 and 1020 of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction". The cost to

provide thrust blocking shall be considered included in the cost of the contract. Wrap all fittings in 6 mil plastic to act as bond breaker between the concrete and valve or fitting.

TRACER WIRE: Provide a #10 single strand coated copper tracer wire suitable for underground installation over all water mains constructed under this contract.

Wire shall be installed directly with the water main before placing any backfill. Wire shall terminate and begin at ground level within the valve boxes. Care shall be exercised during installation to not kink, twist, smash or otherwise weaken or break the wire. Installation shall be subject to the satisfaction of the Engineer. Before acceptance, the tracer wire installations shall be tested for electrical continuity. The Contractor will be responsible for conducting all tests and repairing or replacing all faulty installations to the satisfaction of the Engineer. The cost to provide tracer wire shall be considered included in the cost of the water main.

1", 1 ½" and 2" WATER SERVICE CONNECTIONS with Water Meters in Right-of-Way:

- A. Tapping Saddle shall be a Mueller H-13000 Bronze tapping saddle.
- B. 1", 1 ½", or 2" service corporations and curb stops shall be Mueller compression type (Minneapolis Pattern).
- C. 1", 1 ½", or 2" Type K copper service pipe shall be in accordance with Section 40-2.06A of the "Standard Specifications for Water and Sewer Main Construction in Illinois", and as shown in the plans.
- D. All trenches shall be backfilled with trench backfill.
- E. Services installations that currently have a water meter within the right of way shall include a water meter or multiple water meters in a single vault as specified below and in the plans. New water meters and yokes shall be supplied by the City or the existing meter/s and yokes shall be reinstalled at the discretion of the City and/or Engineer. The proposed service line shall be installed into the basement or crawl space and connected to the existing water service in the basement or crawl space on the far side of the basement or foundation wall. Existing meters/yokes that are to be re-used shall be removed and reinstalled within the new service line. Any reducer fitting necessary to make connection to existing shall be included in the cost of the water service line.
- F. The per foot cost of water service line shall include common excavation and water service installation, trench backfill, and patching of the existing roadway or the boring the water service line and patching for boring pit if the contractor chooses to do so.
- G. The cost of the water service line shall include core drilling the hole to penetrate the basement wall. The penetration thru the wall shall be sealed to the satisfaction of the Engineer.

All service pipe, valve, valve boxes, and fittings shall be in accordance with PVC WATER MAIN, VALVES, VALVE BOXES, DOMESTIC METER VAULTS and THRUST BLOCKING as described herein.

1", 1 1/2" and 2" WATER SERVICE CONNECTIONS with Water Meters on private property:

- H. Tapping Saddle shall be a Mueller H-13000 Bronze tapping saddle.
- I. 1", 1 1/2", or 2" service corporations and curb stops shall be Mueller compression type (Minneapolis Pattern).
- J. 1", 1 1/2", or 2" Type K copper service pipe shall be in accordance with Section 40-2.06A of the "Standard Specifications for Water and Sewer Main Construction in Illinois", and as shown in the plans.
- K. All trenches shall be backfilled with trench backfill.
- L. Services installations that currently have water meters on private property will not include a new meter installation. The proposed service line shall include a curb stop within 3' of the building face. The proposed service line shall be installed into the basement or crawl space and connected to the existing water service in the basement or crawl space on the far side of the basement or foundation wall. Any reducer fitting necessary to make connection to existing shall be included in the cost of the water service line.
- M. Service lines that are installed at properties for use at a later date shall be installed to the far side of the basement or foundation wall and capped.
- N. The per foot cost of water service line shall include common excavation and water service installation, trench backfill, and patching of the existing roadway or the boring the water service line and patching for boring pit if the contractor chooses to do so.
- O. The cost of the water service line shall include core drilling the hole to penetrate the basement wall. The penetration thru the wall shall be sealed to the satisfaction of the Engineer.

All service pipe, valve, valve boxes, and fittings shall be in accordance with PVC WATER MAIN, VALVES, VALVE BOXES, DOMESTIC METER VAULTS and THRUST BLOCKING as described herein.

Domestic Meter Vaults:

This work shall consist of installation of a new water meters in a domestic meter vault approximately 18" from the building face and as directed by the Engineer. The meter vault to be supplied by the contractor shall be selected to house the water meters and yokes

that will be supplied by the City of Pittsfield. At the locations specified in the plans, multiple meters will be housed in a single meter vault. It shall be the responsibility of the contractor to assure the number of meters indicated fit side by side with each other in the vault. Installation of the meter and vault shall be completed in accordance with the Standard Specifications for "Water and Sewer Construction in Illinois", 8<sup>th</sup> Edition, 2020, and as directed by the Engineer.

This work will be paid for per each as DOMESTIC METER VAULTS which cost shall include all equipment, labor, including installation of the water meter/s, and material necessary including incidental fittings to complete the construction of this item as specified.

LINESTOPS: Furnish and install linestops for the pipe diameter specified. This work shall be completed, tested and ready for service prior to the installation of water mains or appurtenances. The static pressure at the installation site is approximately 75 psi. Prior to line stop removal, line stops shall be closed to check for installed valve leaks.

TAPPING SLEEVE AND VALVE WITH ROAD BOX: Tapping sleeve shall be a stainless steel tapping sleeve Mueller #H-304 and tapping valve shall be Mueller #T-2360. Valve and valve box shall be as specified previously in these special provisions.

#### CONSTRUCTION METHODS

GENERAL: The contractor shall provide trenching, excavation, backfilling, compaction, removal of excess excavation, removal of existing water main and appurtenances as necessary, installation of water main and appurtenances, thrust blocking, disinfecting, and testing, cast in place concrete and all other work necessary to complete the installation of the water main. No additional compensation will be allowed due to encounters with buried brick, concrete walls from existing basements/vaults.

TRENCHING, BACKFILLING AND COMPACTION. This work shall be performed and executed as follows:

##### INSPECTION:

- A. Examine the area where and conditions under which trenching, backfilling and compacting for utilities are to be performed. Notify Engineer in writing of conditions detrimental to proper and timely completion of the work.

##### EXCAVATION OR TRENCH FOR PIPE OR CONDUIT:

- A. Excavation shall be made by open cut. The sides of the trench shall be kept as nearly vertical as possible, especially from the trench floor to the level of 12 inches above the top of the pipe. Excavation shall be in accordance with Section 20 of the "Standard Specifications for Water and Sewer Main Construction in Illinois".

- B. Trenches shall be excavated to a depth that will provide a covering of not less than 4'-6" or as shown on the drawings, measured from the top of the pipe barrel to the finish grade of the ground. Trench bottoms shall have a minimum width of the pipe plus 12 inches.
- C. Provide and maintain such sheeting and bracing to support the sides of the excavation, and to prevent movement which might injure personnel, damage the pipe or delay the work.

BACKFILL BELOW CENTERLINE OF PIPE OR CONDUIT:

- 1. Granular cradle and pipe cradle materials shall be in accordance with the details shown on the drawings and in accordance with Sections 20-2.20C of the "Standard Specifications for Water and Sewer Main Construction in Illinois" and in accordance with Section 208 of the "Standard Specifications for Road and Bridge Construction".
- 2. Granular cradle and pipe cradle shall be placed and compacted in accordance with Sections 20-2.20B of the "Standard Specifications for Water and Sewer Main Construction in Illinois".

BACKFILL ABOVE CENTERLINE OF PIPE OR CONDUIT:

- 1. After completion of pressure and leakage tests specified elsewhere, the exposed pipe and joints shall be backfilled by hand, together with tamping, until fill has progressed to a minimum depth of 12 inches above the top of the pipe.
- 2. Backfill above the centerline of pipe or conduit shall be placed and compacted in accordance with Section 20-2.21B, of the "Standard Specifications for Water and Sewer Main Construction in Illinois" and as specified in paragraph 3 below.
- 3. Backfilling under existing or proposed roads, parking areas, sidewalks, other improved surfaces or at locations shown on the drawings shall be entirely aggregate for trench backfill as specified in Section 208 of the "Standard Specifications for Road and Bridge Construction".

DISPOSAL OF SURPLUS AND UNDESIRABLE EXCAVATION MATERIAL: All surplus excavated material not required for backfilling the excavation shall be removed and deposited and graded in accordance with Section 202.03 of the "Standard Specifications for Road and Bridge Construction". All undesirable material, including rocks, trees, stumps, etc. shall be removed and deposited in accordance with Section 202.03 of the "Standard Specifications for Road and Bridge Construction".

PAYMENT: Costs for work required by this specification section shall be included in the cost of the pipeline installation and no additional compensation will be allowed.



## INSTALLATION

### COORDINATION:

- A. Coordinate installation of water line with all other crafts to alignment, depth and service locations and as shown on the drawings. Damage done to other utilities including, but not limited to telephone, cable, electrical and natural gas shall be addressed as specified in Article 107.31 of the Standard Specifications for Road and Bridge Construction.

### INSTALLATION:

A. Laying of Pipe

1. All installations shall conform to lines and grade shown on the drawings. Valves and special fittings shall be placed where shown on the drawings unless their location is changed by the Engineer. When field conditions dictate deviation from the drawings, no change shall be made without written authorization of the Engineer.
2. No pipe shall be laid in water or when, in the opinion of the Engineer, trench conditions are unsuitable. When pipe laying is stopped at night or for any other reason, watertight plugs shall be used to exclude dirt, water, small animals and other foreign material from the pipe.
3. Prior to starting work, have the manufacturer furnish instructions in the proper assembly and installation of the pipe. Such instructions shall in no way be construed to assume all or any part of the Contractor's responsibility for proper installation.
4. All pipe, fittings and accessories shall be carefully placed into the trench by suitable equipment in such manner to prevent damage to pipe and fittings. A granular cradle shall extend completely around all ductile iron fittings to help prevent corrosion.
5. In distributing the material at the site of the work, each piece shall be unloaded opposite or near the place where it is to be laid in the trench. All pipe shall be loaded and unloaded piece-meal by hand or in bundles by lifting with hoists or skidding so as to avoid shock or damage. Under no circumstances shall pipe materials be dropped. Pipe handled on skidways shall not be skidded or rolled against pipe already on the ground.
6. Bedding and backfilling shall be as specified previously.
7. Before any length of pipe is placed in the trench, a careful inspection shall be made of the interior of the pipe to see that no foreign material is in the pipe. In order to properly remove all foreign material, swab of necessary length shall be available at all times.

8. All pipe shall be lowered carefully into the trench, properly aligned, and properly jointed by use of suitable tools and equipment, in a manner to prevent damage to pipe materials and protective coatings and linings.
9. Under no circumstances shall pipe materials or fittings be dropped or dumped into the trench. The pipe and fittings shall also be inspected to determine if they are sound and free from cracks. Laying of pipe shall be commenced immediately after excavation is started.
10. Pipe shall be laid with bell ends facing in the direction of laying, unless the main is being laid down a steep incline, in which case the bell ends shall face uphill.
11. All lumps, blisters and excess coating shall be removed from the joint of each pipe; and the outside and inside of all joints shall be wire brushed and wiped clean and dry and free from oil and grease before the pipe is laid.
12. Avoid field cutting of pipe if at all possible. When pipe is to be cut in the field, the cut end shall be conditioned so that it can be used to make up the next joint. Bevel the outside of the cut  $\frac{3}{16}$  inch to  $\frac{1}{4}$  inch at an angle of approximately 30 degrees to prevent damage to the gasket.

B. Jointing:

1. Remove all foreign matter from the socket, making sure the gasket seat is clean.
2. The gasket shall be wiped clean with a clean cloth, flexed and properly placed in the socket for a snug fit in the retainer seat.
3. Apply lubricant furnished by the pipe manufacturer on the surface of the gasket which will come in contact with the plain end of the pipe to be laid.
4. Clean the plain end of the pipe and apply a thin film of lubricant about one inch wide around the circumference of the pipe. Keep pipe free of ground or trench sides to prevent foreign matter from clinging to the lubricant.
5. The plain end of the pipe shall be aligned and carefully entered into the socket until it just makes contact with the gasket. This is the starting position for the final assembly of the joint.
6. Joint assembly shall then be completed by jacking the plain end of the entering pipe past the gasket (which is thereby compressed) until it makes contact with the bottom of the socket. A system of marking the pipe shall be used to make certain the assembled joint is at the proper depth.

C. Laying of Pipe on Curves:

1. Long radius curves, either horizontal or vertical, may be laid with standard pipe by deflections at the joints. When the pipe is shown curved on the drawings and no special fittings are shown, the curves can be made by deflection of the joints as shown on the drawings with standard lengths of pipe. Where shorter lengths are required, the drawings will indicate maximum lengths that can be used. No pipes shall be laid on curve without written authorization of the Engineer.
2. When rubber gasketed pipe is laid on a curve, the pipe shall be jointed in a straight alignment and then deflected to the curved alignment. Trenches shall be made wider on curves for this purpose.

D. Valve Boxes and Valves for Underground Installation:

1. The valve boxes shall be set in position during backfilling operations so they will be in a vertical alignment to the gate valve operating stem. A plastic alignment device shall be placed on valve stem prior to valve box placement. The lower casting of the unit shall be installed first in such a manner as to be cushioned and to not rest directly upon the body of the gate valve or upon the water main. The upper casting of the unit shall then be placed in proper alignment and to such an elevation that its top will be final grade.
2. All valve boxes shall be installed flush with sidewalks, drives or finish grade.
3. All gate valves shall be inspected upon delivery in the field to insure proper working order before installation. They shall be set and jointed to the pipe in a manner as set forth in the AWWA Standards for the type of connection ends furnished.
4. Buried valves shall be installed in a vertical position and be provided with a standard valve chamber in a cast iron valve box so arranged that no shock will be transmitted to the valve or strain on pipe joints. The box shall be centered over the operating nut, and the cast iron box cover shall be set flush with the roadbed or finished surface.

E. Hydrants

1. Hydrants shall be installed at the locations shown on the drawings. They shall be plumb and shall be set so that the lowest hose connection is at least 15 inches above the surrounding finish grade. All hydrants shall be inspected in the field upon delivery to the job to insure proper operation before installation. A minimum of  $\frac{1}{4}$  cubic yard of 1" gravel shall be placed at and around the base of the hydrant to insure proper drainage of the hydrant after use. The blocking of the hydrant shall conform with the blocking detail shown on the drawings. A layer of filter fabric shall be placed

over the gravel drain field. Care shall be taken to ensure that weep holes are not covered by concrete blocking or filter fabric.

F. Thrust Blocking

1. Where any section of water line is provided with concrete reaction blocking, the hydrostatic pressure test shall not be made until at least two days have elapsed after the concrete reaction blocking was installed.

G. Installation procedures shall also follow methods as specified in ASTM D-2774 and ANSI/AWWA C600 in combination with the manufacturer's recommendations.

HORIZONTAL SEPARATION-WATER MAINS AND SEWERS:

- A. Water mains shall be located at least ten feet horizontally from any existing or proposed drain, storm sewer, sanitary sewer, combined sewer or sewer service connection.
- B. Water mains may be located closer than ten feet to a sewer line when:
  1. Local conditions prevent a lateral separation of ten feet; and
  2. The water main invert is at least 18 inches above the crown of the sewer; and
  3. The water main is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.
- C. When it is impossible to meet (A) or (B) above, both the water main and drain or sewer shall be constructed of slip-on or mechanical joint ductile iron pipe or PVC pipe equivalent to water main standards of construction. The drain or sewer shall be pressure tested to the maximum expected surcharge head before backfilling.

VERTICAL SEPARATION – WATER MAINS AND SEWERS:

- A. A water main shall be separated from a sewer so that its invert is a minimum of 18 inches above the crown of the drain or sewer whenever water mains cross storm sewers, sanitary sewers or sewer service connections. The vertical separation shall be maintained for that portion of the water main located within ten feet horizontally of any sewer or drain crossed. A length of water main pipe shall be centered over the sewer to be crossed with joints equidistant from the sewer or drain.
- B. Both the water main and sewer shall be constructed of slip-on or mechanical joint ductile iron pipe or PVC pipe equivalent to water main standards of construction when:

1. It is impossible to obtain the proper vertical separation as described in (A) above; or
  2. The water main passes under a sewer or drain.
- C. A vertical separation of 18 inches between the invert of the sewer or drain and the crown on the water main shall be maintained where a water main crosses under a sewer. Support the sewer or drain lines to prevent settling and breaking the water main, as shown on the plans or as directed by the Engineer.
- D. Construction shall extend on each side of the crossing until the perpendicular distance from the water main to the sewer or drain line is at least ten feet.

TESTING:

- A. Hydrostatic Test
1. Backfill shall be placed over the pipe except at the joints. The pipe shall be slowly filled with water. Care shall be taken to expel all the air from the pipes. The pipes shall be tapped at high points to vent the air. Pressure of 125 psi, measured at the point of lowest elevation, shall be applied for not less than two hours; and all pipe, fittings, valves, hydrants and joints shall be carefully examined for defects. Leaking joints shall be remade and then retested. Test pressure shall be 125 psi.
  2. No pipe installation shall be accepted unless and until the leakage, determined under the test pressure, is less than that allowed in Section 41-2.13C in the "Standard Specifications for Water and Sewer Main Construction in Illinois".
  3. The test shall be made between valves and shall be made within 10 working days of the completion of such sections of lines. To determine the rate of leakage, furnish a suitable pump, pressure gauge and water meter or other appliance for measuring the amount of water pumped. The instruments shall be tested for accuracy as frequently as directed by the Engineer. Contractor shall furnish all the labor and materials to make the tests and to perform all testing work incidental to the Contract.
- B. All other water line appurtenances shall be tested at the factory in accordance with the applicable AWWWS Standard stated in Section 760-2.1 of this special provision. Accept all material upon delivery and insure its proper operation at substantial completion.

DISINFECTION:

- A. Disinfection of valves, hydrants and piping shall be conducted in accordance with the materials and methods specified in AWWA C651. In the process of disinfecting newly laid pipe, all valves or other appurtenances shall be operated while the pipe line is filled with the chlorinating agent.
- B. Following disinfection, all chlorinated water shall be thoroughly flushed from the newly laid pipe line at its extremities until the replacement water throughout its length shall, upon test, be proved comparable in quality to the water served the public from the existing water supply system. Bacteriological testing shall be as required by the Illinois Environmental Protection Agency. Two passing tests a minimum of 24 hours apart will be required.
- C. Upon completion of testing and disinfection, Contractor shall leave all lines full of water ready for use by the Owner. The cost to disinfect including all water required shall be considered included in the cost of the Contract.

RESTORATION AND CLEAN-UP:

- A. Upon completion of the water distribution system, all excavated areas shall be restored by reseeding, replacement of aggregate base course, and/or pavement replacement as required. All areas will be left in a condition to not restrict drainage. Regrade all ditches and side slopes. Reseeding shall be in accordance with Section 250 of the IDOT Standard Specifications for Road & Bridge Construction.
- B. Upon completion of the work, inspect the entire installation. Correct all defective work. Replace all damaged and defective parts with new materials.
- C. Upon completion of installation and at such other times as directed, remove all surplus materials, debris, empty cartons, rubbish, and legally dispose of same off the site.

PAYMENT:

- A. Payment for the installation of pipe, valves, line stops and hydrants shall be at the Contractor Unit Price Bid for the respective items. The Unit Price Bid shall include excavation and trench backfill for the pipeline whether it is by trenching or open cut. All work required for the complete installation, ready for use, of this water distribution system shall be included in the Unit Prices Bid.

CONCRETE THRUST BLOCKING:

Handling, proportioning, batching, mixing, testing and placing the cast-in-place concrete for thrust blocking shall be performed in accordance with the applicable requirements of Section 1020 and of the construction requirements of Section 503 of the "Standard Specifications for Road and Bridge Construction". The concrete shall have a minimum compressive strength of 3,500 psi at 14 days.

Basis of Payment: Payment will be made at the contract unit price per linear foot for each kind of water main/service pipe of the type, class and size designated. Payment will also be made for the installation of valves (including valve boxes), line stops, and fire hydrants (including auxiliary valves and valve boxes) of the types and sizes designated at the contract unit price per each for the respective items. Trench backfill will not be paid for separately but considered included in the cost of the respective item. Pavement patching of 8 inches minimum subsequent to milling operations in areas of pavement to remain will not be paid for separately but considered included in the cost of the respective item.

These prices shall be full compensation for furnishing all materials required as shown in the plans and for all preparation, assembly, and installation of these materials; and for all testing, disinfecting, cleanup, and restoration; and for all labor, equipment, tools, trench backfill, and pavement patching as indicated and incidentals necessary to complete the installation of this water distribution system, ready for use, and accepted by the Engineer.

Payment will be made at the contract unit price for the following items:

DOMESTIC METER VAULTS – per each

WATER MAIN 8" – per foot

WATER MAIN LINE STOP 6" – per each

WATER MAIN LINE STOP 8" – per each

TAPPING VALVES AND SLEEVES 6" – per each

TAPPING VALVES AND SLEEVES 10" – per each

FIRE HYDRANT COMPLETE – per each

WATER VALVES 8" – per each

WATER SERVICE LINE 1" – per foot

WATER SERVICE LINE 1 1/2" – per foot

WATER SERVICE LINE 2" – per foot

WATER MAIN ENCASEMENT – per foot

**STAGING OF WATER MAIN HYDROSTATIC TEST:** The contractor shall conduct hydrostatic testing of the water main constructed prior to conducting paving patching operations. Leaking joints shall be repaired and re-tested prior to conducting paving patching operations.

Costs for work required by this special provision will not be paid for separately but shall be considered included in the cost of the water distribution system pay items involved.

**WATER MAIN ABANDONMENT:** This work shall consist of abandoning existing water mains in place and the removal of existing water mains, fittings, valves, meters, boxes, yard hydrants, and associated appurtenances associated with construction of the proposed water main/services and storm sewer as shown in the plans and as directed by the Engineer.

The work items shall include shutting off all valves and corporation stops. All exposed service lines and water mains to be abandoned that are exposed as a result of other construction activities shall be capped and thrust blocking installed. Service lines to be abandoned on water mains to remain in operation shall be shut off at the corporation stop and capped. All service risers/boxes shall be removed to 2' below the limits of the proposed improvements. All manholes shall be removed or filled in accordance with the applicable provisions of Section 605 of the Standard Specifications. All work shall be as specified herein, as directed by the Engineer to meet the satisfaction of the City of Pittsfield.

Backfilling under existing or proposed roads, sidewalks, or other improved surfaces shall be completed using Trench Backfill as specified in Section 208 of the Standard Specifications.

All abandoned water main that conflicts with the operation or maintenance of existing or proposed sanitary or storm sewer, including manholes and all associated appurtenances, shall be removed as to not interfere with the service to remain as specified and to the satisfaction of the Engineer.

Basis of Payment: This work shall be paid for at the contract unit price per each for WATER MAIN ABANDONMENT, which price shall include all labor, equipment and materials, including trench backfill, to complete this item for all watermain and services within the entire project limits as specified and to the satisfaction of the Engineer. The removal of existing water mains, regardless of size of material encountered, fittings, valves, meters, boxes and associated appurtenances shall not be paid for separately, but considered included in the cost of WATER MAIN ABANDONMENT.

**PAVEMENT PATCHING:** This work shall consist of temporary aggregate patching, and final patching of the existing roadway after storm sewer and watermain installation and the utility tunnel abandonment. This work shall be completed in accordance with Section 442 of the Standard Specifications and as directed by the Engineer.

For those areas to be patched, a temporary aggregate or permanent pavement patch will be allowed until the appropriate stage for construction of the pavement(s).



This work shall be paid for at the contract unit price per square yard for PAVEMENT PATCHING of the class and type specified which price shall include all equipment, labor and material necessary to construct the final patching area. Temporary aggregate will not be considered for separate payment, but considered included in the cost of the Pavement Patching.

**REMOVAL OF UNCLASSIFIED MATERIAL:** The existing handrails, timbers, sign bases, and other unclassified materials not called out in the Summary of Quantities shall be removed as designated by the Engineer. The material removed as required in this Special Provision shall be disposed of outside the limits of the right of way in accordance with Article 202.03 of the Standard Specifications and as directed by the Engineer.

This work will not be paid for separately, but shall be considered included in the cost of the other associated removal items and no additional compensation will be allowed.

**STORM SEWER CONNECTIONS:** The cost of connecting existing storm sewers to the proposed drainage system shall be considered included in the cost of the proposed storm sewers or drainage structures involved. No additional compensation will be allowed.

**EXISTING DRAIN PIPES:** All existing drainage pipes, tiles or downspouts which may be encountered during construction of the proposed improvement shall be connected to the storm sewer as detailed in the plans and to the satisfaction of the Engineer. All trenches shall be filled with trench backfill as specified in Section 550 of the Standard Specifications. The type of materials permitted for Storm Sewer (Special) shall be according to Article 550.03 for storm sewers, Type 2.

Basis of Payment: This work shall be paid for at the unit price per foot of STORM SEWER (SPECIAL) of the diameter specified which price shall include all equipment, labor and material, including trench backfill necessary to connect existing drain tiles/pipes to the storm sewer as specified herein and to the satisfaction of the Engineer.

**DEBRIS:** All debris of any type, large or small, encountered during any excavation shall be removed by the Contractor and disposed of at a site off the right of way.

This work will not be paid for separately, but shall be considered as included in the cost of the pay item for which the work is being completed.

**EXISTING FRAMES AND GRATES:** All frames and grates that are to be removed and which are not to be incorporated into the proposed improvement shall be carefully removed and stored by the Contractor. These items shall become the property of the City of Pittsfield and shall be removed from the job site by the City. This work shall be considered included in the contract and no additional compensation will be allowed.

**TEMPORARY DRAINAGE INTO PROPOSED DRAINAGE STRUCTURES:** This work shall consist of providing temporary drainage into any proposed drainage structure that is to be constructed in sag locations. These sag locations shall also be interpreted to include side streets.

Concrete curb and gutter shall not be placed at sag inlet locations until Hot-mix asphalt or other provisions have been made to allow for drainage into structure.

This work will not be paid for separately but shall be considered as included in the contract unit price for the various pay items involved and no additional compensation will be allowed.

**FIRE HYDRANTS TO BE REMOVED:** This work shall consist of the removal of existing fire hydrants as shown in the plans and as directed by the Engineer.

This work item shall be completed in accordance with the applicable portion of Section 564 of the Standard Specifications and to the satisfaction of the Engineer. The existing watermain shall be abandoned in place as specified herein. Fire hydrants shall be carefully removed and stored by the Contractor and shall become the property of the City of Pittsfield and shall be removed from the job site by the City.

Basis of Payment: This work shall be paid for at the contract unit price per each for FIRE HYDRANTS TO BE REMOVED which price shall include all labor, equipment and material necessary to complete the work as specified herein and to the satisfaction of the Engineer.

**AGGREGATE BASE REPAIR – PCC BASE COURSE & CONCRETE CURB AND GUTTER, TYPE B-6.18:** This work shall consist of furnishing and placing aggregate base material in accordance with Section 358 of the Standard Specifications at the locations indicated in the plans and as directed by the Engineer.

The base layer for the proposed PCC Base Course and Combination Concrete Curb and Gutter, Type B-6.18 shall consist of 4" minimum thickness of aggregate base material. The preparation of the area prior to placing the aggregate base material, if required, including the removal of any excess or unsuitable material will be paid for at the contract unit price per square yard for PREPARATION OF BASE.

The furnishing and placement of the aggregate base material will be paid for at the contract unit price per ton for AGGREGATE BASE REPAIR, which price shall include all labor, materials and equipment to complete the work as specified.

**AGGREGATE BASE REPAIR – PCC SIDEWALK, 4" AND PCC DRIVEWAY PAVEMENT, 8":** The base layer for proposed Portland Cement Concrete Sidewalk 4" and Portland Cement Concrete Driveway Pavement, 8" shall be prepared in accordance with the applicable portions of Section 423 and 424 of the Standard Specifications with no additional compensation allowed. Any additional base material needed to raise the base layer will be completed in accordance with Section 358 of the Standard Specifications and will be paid for at the contract unit price per ton for AGGREGATE BASE REPAIR, which price shall include all labor, materials, and equipment to complete the work as specified.

**TEMPORARY ACCESS (PRIVATE ENTRANCE):** This item shall consist of the construction and maintenance of aggregate materials for temporary access to buildings in

accordance with Section 402 of the Standard Specifications at the locations specified by the Engineer.

Once the aggregate for temporary access is no longer necessary for access, the aggregate may remain in place and be used in lieu of aggregate base repair at the discretion of the Engineer.

The furnishing and placement of the aggregate will be paid for at the Contract unit price per EACH for TEMPORARY ACCESS (PRIVATE ENTRANCE), which price shall include all labor, materials, and equipment to complete the work as specified.

**TEMPORARY ACCESS (COMMERCIAL ENTRANCE):** This item shall consist of the construction and maintenance of aggregate materials for temporary access to entrances in accordance with Section 402 of the Standard Specifications at the locations specified by the Engineer.

Once the aggregate for temporary access is no longer necessary for access, the aggregate may remain in place and be used in lieu of aggregate base repair at the discretion of the Engineer.

The furnishing and placement of the aggregate will be paid for at the Contract unit price per EACH for TEMPORARY ACCESS (COMMERCIAL ENTRANCE), which price shall include all labor, materials, and equipment to complete the work as specified.

**TELESCOPING STEEL SIGN SUPPORT (SPECIAL):** This work shall consist of furnishing and installing telescoping steel sign supports for ground-mounted signs utilizing a telescoping base section as specified in Section 728 of the Standard Specifications, and as directed by the Engineer.

Submittals:

The following items shall be submitted and approved prior to operations:

1. Product cut sheets.
2. Letter stating all aluminum iron and steel is 100% domestically produced, fabricated or manufactured.

The steel pipe and the base shall be coated as specified below. Color of the coating shall be black. The coating shall be applied only after the steel pipe and base have been fabricated. The final product shall not contain cracks in the coating, ripples in the curved areas, nor any damage due to fabrication and or shipping.

- (a) Steel shall be shot blast to near white steel and then an iron phosphate pre-treatment shall be applied.

- (b) Primer shall be a thermosetting epoxy powder coating (Corvel Zinc Gray 13-7004) electrostatically applied and cured six minutes at 250°F. (121°C.). The primer thickness shall be 1.8-10 mils (45-250  $\mu\text{m}$ ).
- (c) Topcoat shall be triglycidly isocyanurate (TGIC) polyester powder coating, electrostatically applied and cured in an oven for 20 minutes at 250°F. (121°C.). The total of all the coatings shall be 8-10 mils (200-250  $\mu\text{m}$ ).S

This work shall be paid for per unit foot of Telescoping Steel Sign Support (Special) which price shall include all material, equipment and labor necessary to complete this work as specified to the satisfaction of the Engineer.

**FLAGPOLE RECEIVER:** The contractor will complete sidewalk construction and minor grading operations around the flagpole receivers to remain in place that flank the sidewalk around the courthouse lawn. It shall be the contractor's responsibility to protect the flagpole receivers from damage during construction of the sidewalk and placement of shallow cuts and fills around them. Any flagpole receiver that is damaged or inadvertently moved, shall be replaced and/or reset at his own expense to the satisfaction of the Engineer.

This work will not be paid for separately, but shall be considered included in the cost of the sidewalk construction and no additional compensation will be allowed.

**SIDEWALK VENT:** This item shall consist of forming a chase in the sidewalk, providing granular backfill for drainage, and providing an applicable grate to provide airflow to the existing foundation vents at the locations shown in the plans in accordance with the detail in the plans and as directed by the Engineer.

The vent grate shall be adequate to handle H-10 loading. The contractor shall be required to submit product data for approval during the shop drawing phase of the project. The proposed grate shall be permanently fastened to the proposed concrete sidewalk by a method approved by the Engineer.

The work specified herein will not be paid for separately, but shall be considered included in the cost of PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH, and no additional compensation will be allowed.

**CONCRETE STEPS:** This work shall consist of constructing concrete steps at the location shown on the plans.

This work shall be performed in accordance with the applicable portions of Section 424 of the Standard Specifications and with the details shown in the plans.

Basis of Payment: Concrete steps will be paid for at the contract unit price per cubic yard, measured as specified, for CONCRETE STEPS which price shall be payment in full for all labor, equipment and materials, including concrete, reinforcement bars, expansion joints, etc. required to complete this item as specified and as directed by the Engineer.

**CONCRETE STOOPS:** This work shall consist of constructing the concrete stoops at the location shown on the plans.

This work shall be performed in accordance with the applicable portions of Section 424 of the Standard Specifications and with the details shown in the plans.

Method of Measurement: The top surface area of the stoop will be measured and computed in square feet. Vertical faces will not be measured for payment.

Basis of Payment: Concrete stoop will be paid for at the contract unit price per square feet, measured as specified, for PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH, which price shall be payment in full for all labor, equipment and materials, including concrete, reinforcement bars, backfill, expansion joints, etc. required to complete this item as specified and as directed by the Engineer.

**CONCRETE CURB, TYPE B (SPECIAL):** This work shall consist of the construction of Concrete Curb, Type B (Special) as detailed in the plans at locations shown in the plans. This work shall be completed in accordance with the applicable portions of Section 606 of the Standard Specifications and as directed by the Engineer.

This work will be paid for at the contract unit price per foot for CONCRETE CURB, TYPE B (SPECIAL) which price shall include all labor and equipment necessary, including concrete reinforcement bars, expansion joint, etc. to complete the work specified herein.

**PIPE HANDRAIL:** This work shall consist of furnishing and installing decorative handrail at the locations shown in the plans and described in this Special Provision. Except as noted herein, this work shall be in accordance with the applicable provisions of Section 509 of the Standard Specifications.

Submittals: The following items shall be submitted and approved prior to operations:

1. Product cut sheets.
2. Letter stating all aluminum iron and steel is 100% domestically produced, fabricated or manufactured.

Exact location and configuration will be determined at the time of construction. Prior to ordering and manufacturing handrails, the contractor will be responsible for field measuring and submitting shop drawings for review and approval by the Engineer.

Mounting shall be accomplished by core drilling oversized holes and grouting the rail in place and as approved by the Engineer at the time of construction.

The handrail shall be finished as specified below. Color of the coating shall be black. The coating shall be applied only after the pipe handrail have been fabricated. The final product shall not contain cracks in the coating, ripples in the curved areas, nor any damage due to fabrication and or shipping.

- (a) Steel shall be shot blast to near white steel and then an iron phosphate pre-treatment shall be applied.
- (b) Primer shall be a thermosetting epoxy powder coating (Corvel Zinc Gray 13-7004) electrostatically applied and cured six minutes at 250°F. (121°C.). The prime thickness shall be 1.8-10 mils (45-250 µm).
- (c) Topcoat shall be triglycidly isocyanurate (TGIC) polyester powder coating, electrostatically applied and cured in an oven for 20 minutes at 250°F. (121°C.). The total of all the coatings shall be 8-10 mils (200-250 µm).

This work shall be paid for at the contract unit price per foot for PIPE HANDRAIL, which price shall include all materials, fabrication, coatings, transportation and erection necessary to complete the work to the satisfaction of the Engineer.

**DECORATIVE SIGN POST:** Description: This work consists of furnishing and installing decorative cast aluminum sign poles, aluminum frames, and sign panels as specified in the plans and as directed by the Engineer.

Submittals:

- (a) The following items shall be submitted and approved prior to operations:
  - 1. Product cut sheets.

Warranty: For a period of two years following acceptance of project Contractor shall warranty against faulty installation and deterioration of sign frames. Decorative poles also shall have the manufacturer's 5-year limited warranty.

Products:

- (a) Decorative Sign Post
  - 1. Ornamental base and post shall be 6200 Oxford Series. Typical post height shall be such that the bottom sign is a minimum of 7 feet above the proposed finished grade unless specified otherwise by the Engineer. The model number for the typical post is 6210ETFP6-0.188-BCC-HXB/BKT.
  - 2. Posts shall be manufactured by Sternberg Lighting, 555 Lawrence Ave. Roselle, IL 60172, 847/588-3400, [www.sternberglighting.com](http://www.sternberglighting.com). Post and base shall be textured black.
- (b) Signs
  - 1. Signs shall meet all applicable IDOT specifications and be according to project plans.

(c) Sign Frames

1. Sign Frames shall be one-piece fully backed aluminum frames matching size and shape of signs shown in the plans and schedules, Color and texture to match poles.
2. Sign Brackets shall be provided and factory installed by pole manufacturer, whether or not the accompanying sign frames are in-whole or in-part provided by the same manufacturer. The sign bracket height and orientation to be coordinated with manufacturer. Sign Frames shall be fastened to the sign brackets with manufacturer approved fasteners.

Alternate: If sign frames must be attached to the pole without the use of a factory installed sign bracket, they shall be installed on the pole with mechanical fasteners such as rivet nuts or other fastener appropriate for the material and gauge of the pole provided. Steel bands will not be permitted.

3. Sign Frames shall be manufactured by Sternberg Lighting, 555 Lawrence Ave, Roselle, IL 60172, 847/588-3400, [www.sternberglighting.com](http://www.sternberglighting.com).

(d) Post top finish shall be Ball Center Caps, model BCC.

(e) Concrete for footing shall be in accordance with Section 1020 – Portland Cement Concrete, Type SI, IDOT Standard Specifications.

(f) Reinforcement shall be in accordance with Section 1006.10 – Concrete Reinforcement Bars, Fabric, and Strand, IDOT Standard Specifications.

(g) Footing size shall be according to manufacturer recommendations, or the following dimensions, whichever is greater: 24" square or round, 36" depth, 1" bevel

Construction Requirements:

- (a) Poles shall be set using anchor bolts provided by manufacturer. Bolts shall be securely set in concrete with epoxy grout recommended by manufacturer.
- (b) Sign frames and signs shall be installed on pole according to manufacturer's installation instructions.
- (c) Any scuffing or surface marring shall be repaired to the satisfaction of the Owner.

Basis of Payment:

This work will be paid for at the contract unit price per EACH for DECORATIVE SIGN POST which price shall include all equipment, materials, and labor, including post, sign frame, and footing to complete this item as specified and to the satisfaction of the

Engineer. Sign Panels will be measured for payment separately and paid for at the contract unit price per SQ FT for SIGN PANEL, TYPE 1.

**LIGHTING ASSEMBLY (SPECIAL):** This work shall consist of furnishing and installing a luminaire and associated light pole in accordance with Section 821 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

Submittals: The following items shall be submitted and approved prior to operations:

1. Product cut sheets.
2. Letter stating all aluminum iron and steel is 100% domestically produced, fabricated or manufactured.

Warranty: For a period of two years following acceptance of project Contractor shall warranty against faulty installation and deterioration of sign frames. Decorative poles also shall have the manufacturer's 5-year limited warranty.

Products:

#### Luminaire

The luminaire is to be an acorn type medium scale decorative downlight decorative pendant luminaire which consists of a decorative cast aluminum fitter, heavy gauge spun aluminum shade with integral lens frame for an IP66 rating. The optical enclosure shall be sealed against moisture and dust penetration. It shall include one arm mount a short shade with 1 led. Color temperature to be 3,500K and to have a type 3 distribution. The driver to be rated for 120VAC and 900mA. Lens to be Acrylic Clear Teardrop. Include horizontal handstraight, ball finial. Sternberg Cat Cut number 1A 1910LED LBS 1L 35 T3 MDLO9 A HSHB BKT. In addition, include 3 house side shields to be installed on fixtures as selected by the owner's representative.

#### Pole and Arm

The arm shall be CBA style and 6' in length. Pole shall be a 25' in nominal height, made of aluminum with a round tapered fluted shape of 16FF. Include banner arm brackets for 36"x18" banner. Pole base shall be a low profile cast aluminum base. Sternberg Cat Cut number 92 25 A RTF 16FF RSB4 DBA BKT.

The pole shall include an integral Vibration damper.

Pole and base cover shall be black textured finish.

Wiring from the base of pole to luminaire shall be incidental to unit.

#### Signs:

Signs shall meet all applicable IDOT specifications and be according to project plans.



**Sign Frames:**

Sign Frames shall be one-piece fully backed aluminum frames matching size and shape of signs shown in the plans and schedules, Color and texture to match poles. Sign Brackets shall be provided and factory installed by pole manufacturer, whether or not the accompanying sign frames are in-whole or in-part provided by the same manufacturer. The sign bracket height and orientation to be coordinated with manufacturer. Sign Frames shall be fastened to the sign brackets with manufacturer approved fasteners. Sign Frames shall be manufactured by Sternberg Lighting, 555 Lawrence Ave, Roselle, IL 60172, 847/588-3400, [www.sternberglighting.com](http://www.sternberglighting.com).

Alternate: If sign frames must be attached to the pole without the use of a factory installed sign bracket, they shall be installed on the pole with mechanical fasteners such as rivet nuts or other fastener appropriate for the material and gauge of the pole provided. Steel bands will not be permitted.

**Street Sign Holders:**

Street Signs will be provided by the City at locations specified in the plans. All street light assemblies with proposed street signs shall be outfitted with Broadway B246 Street Sign Holders produced by Sternberg.

**Anchorage:**

Anchorage bolt and pattern shall be as required by the manufacturer.

Concrete for footing shall be in accordance with Section 1020 Portland Cement Concrete, Type SI.

Reinforcement shall be in accordance with Section 1006.10 Concrete Reinforcement Bars, Fabric, and Stand.

Foundations shall be constructed in accordance with the IDOT Highway Standard 836001.

Basis of Payment: Lighting Assembly light fixture, mount, pole, base and accessories described herein will be paid for at the contract unit price each for LIGHTING ASSEMBLY (SPECIAL), which price shall include all labor, equipment, and material necessary including foundation to complete the work as specified.

**ORNAMENTAL LIGHT UNIT, COMPLETE:** This work shall consist of furnishing and installing a luminaire and associated light pole in accordance with Section 821 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

**Products**

Submittals: The following items shall be submitted and approved prior to operations:

1. Product cut sheets.

2. Letter stating all aluminum iron and steel is 100% domestically produced, fabricated or manufactured.

**Luminaire:**

The luminaire is to be a LED post top clear textured acrylic acorn with a slip fit 3" OD by 3" tall tenon pole, with 12 LEDS. Color temperature to be 3,500K and to have a type 3 distribution. The driver to be rated for 120VAC and 140mA. The fitter to be 5P. Finish to be black textured. Sternberg Cat Cut number PT A850SRLED 5P 12L 35 T3 MDLO14 A BKT.

**Pole:**

Pole shall be a 12' in nominal height, made of extruded tapered fluted with .250mm wall thickness. The assembly shall include a 15A, self-testing GFCI receptacle with low-profile weatherproof while in use cover. The assembly shall include a steel wreath hook. Pole and base cover shall be black textured finish. Sternberg 6200 Oxford Series Cat Cut number 62 12 EFTP6 .250 GFI LPIUC WHK BKT.

**Signs:**

Signs shall meet all applicable IDOT specifications and be according to project plans.

**Sign Frames:**

Sign Frames shall be one-piece fully backed aluminum frames matching size and shape of signs shown in the plans and schedules, Color and texture to match poles. Sign Brackets shall be provided and factory installed by pole manufacturer, whether or not the accompanying sign frames are in-whole or in-part provided by the same manufacturer. The sign bracket height and orientation to be coordinated with manufacturer. Sign Frames shall be fastened to the sign brackets with manufacturer approved fasteners. Sign Frames shall be manufactured by Sternberg Lighting, 555 Lawrence Ave, Roselle, IL 60172, 847/588-3400, [www.sternberglighting.com](http://www.sternberglighting.com).

Alternate: If sign frames must be attached to the pole without the use of a factory installed sign bracket, they shall be installed on the pole with mechanical fasteners such as rivet nuts or other fastener appropriate for the material and gauge of the pole provided. Steel bands will not be permitted.

**Anchorage:**

Anchorage bolt and pattern shall be as required by the manufacturer.

Concrete for footing shall be in accordance with Section 1020 Portland Cement Concrete, Type SI.

Reinforcement shall be in accordance with Section 1006.10 Concrete Reinforcement Bars, Fabric, and Stand.

Foundations shall be constructed in accordance with the IDOT Highway Standard 836001.

Wiring from the base of pole to luminaire shall be incidental to unit.

Method of Measurement: This work will be measured by the number of units installed.

Basis of Payment: Ornamental light fixture mount, pole, base, and accessories will be paid for at the contract unit price each for ORNAMENTAL LIGHT UNIT COMPLETE which price shall include all labor, equipment, and material necessary including foundation to complete the work as specified.

**LUMINAIRE REPLACEMENT SPECIAL:** This work shall consist of removal of existing luminaire and replacement of associated luminaire in accordance with Section 821 of the Standard Specifications, the details in the plans, and the following additions or exceptions.

#### Products

Luminaire: The luminaire is to be a LED post top clear textured acrylic acorn with a slip fit 3" OD by 3" tall tenon pole, with 12 LEDS. Color temperature to be 3,500K and to have a type 3 distribution. The driver to be rated for 120VAC and 140mA. The fitter to be 5P. Finish to be black textured. Sternberg Cat Cut number PT A850SRLED 5P 12L 35 T3 MDLO14 A BKT.

Method of Measurement: This work will be measured by the number of units installed.

Basis of Payment: This work will be paid for at the contract unit price EACH for LUMINAIRE REPLACEMENT SPECIAL, which price shall include all labor, equipment, and material necessary to complete the work as specified.

**REMOVING OF LIGHTING UNITS:** This work shall consist of the removal and disposal/salvage of Bank lights of existing light units and their foundations.

#### CONSTRUCTION REQUIREMENTS

General. No removal work will be permitted without approval from both the Engineer and the City of Pittsfield.

#### Removal of Lighting Units.

The Contractor shall be responsible for the coordination of the removal of the existing luminaries with the City. All lighting units to be removed are owned and will be retained by the City of Pittsfield.

The Contractor shall be responsible for the electrical disconnection, the removal of the poles and lighting units from the existing foundations and transporting off-site to the location specified by the City.

Contractor shall abandon any existing underground electric cables. Cables shall be removed with conduit and duct to a depth of 1 ft. (300 mm) below ground level and the hole shall be backfilled. Cables in a unit duct may be removed from the duct and

become the property of the Contractor. The empty duct shall be removed to 1 ft. (300 mm) below ground level and the hole backfilled.

In addition to the light unit removal the contractor shall remove all associated overhead wiring.

For the removal of the lighting units in front of Farmers Stated Bank, the contractor shall remove the lighting unit and salvage. After removal the contractor shall turn over to the Bank at a location as designated by the Bank.

#### Removal of Pole Foundation.

Contractor shall be responsible for the removal of all existing pole foundations. Concrete foundations shall be removed to at least 2 ft. (600 mm) below grade unless there is a new fixture in the same location at which full depth removal is required. Removed material shall be disposed of according to Article 202.03. The removal shall extend deeper where required to facilitate roadway construction at no additional cost. Underground conduits and cables shall be separated from the foundation at 2.5 ft (750 mm) below grade and shall be abandoned or re-used as indicated. The void caused by the removal of the foundations shall be backfilled according to Article 841.02.

Method of Measurement: Each lighting unit and foundation or foundation without a lighting unit which is removed will be counted as a unit for payment.

Basis of Payment: Coordination required for the removal of lighting units will not be paid for separately but shall be included in the cost of this item.

Foundation removal will be paid for at the Contract unit price per EACH for REMOVAL OF LIGHTING UNIT, SALVAGE and REMOVAL OF LIGHTING UNIT, NO SALVAGE.

**LIGHTING CONTROLLER (SPECIAL):** This work shall consist of furnishing, transporting, and installing the Lighting Controller (Special) on concrete foundation and all electrical cable connections in the unit in accordance with Section 825 of the Standard Specifications, the plans, and as directed by the Engineer.

Materials: The Controller Combination Unit shall be manufactured and assembled by Milbank (CP3B "ML" Series, 120/240 VAC, 1-phase, 3 wire, output 400 Amp, 400 Amp main circuit breaker, 24 Pole panelboard, two 100 Amp, 2 Pole circuit breakers, twenty 20 Amp, 1 Pole circuit breakers, multipole lighting contractor rated 30 amps, and two each 8 pole electrically held contactor, integral photocell, Hand-Off-Auto selector switch Rainproof – NEMA 3R Aluminum Enclosure, painted Black. Ameren approval of meter components must be satisfied. Unit exterior will be free of defects and have no sharp edges.

Basis of Payment: Work will be paid for at the Contract unit price per EACH for LIGHTING CONTROLLER (SPECIAL) for the combination unit specified in the plans, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

**CONCRETE FOUNDATIONS (SPECIAL):** This work shall consist of furnishing and construction of the foundation for the owner provided EV station. The foundation shall be in accordance with Section 825 of the Standard Specifications, the plans, and as directed by the Engineer.

Basis of Payment: Work will be paid for at the Contract unit price per EACH for CONCRETE FOUNDATIONS (SPECIAL) for the foundation specified in the plans, which price shall be considered payment in full for all labor, equipment, and material necessary to complete the work as specified.

**PLANT MATERIAL (TREES, SHRUBS, EVERGREENS, AND PERENNIAL PLANTS):** This work consists of providing and installing plant material, applying herbicide, mulching plant material, staking trees, and providing maintenance as specified herein and as directed by the Owner's Representative. All work shall be completed in accordance with Section 253 and 254 of the Standard Specifications and the following:

Submittals

- (a) Prior to commencement of operations, Contractor to submit for approval
  - 1. Sources of plant material and digital photos of plants.
  - 2. One-pound samples of each medium-textured and fine-textured hardwood mulch.
- (b) During operations, Contractor to submit
  - 1. Tags from peat moss and manure used in the project.
  - 2. Tags from all plant material showing species, size and source.

Warranty: Contract warranty of the General Conditions shall apply. If at any time during the warranty period a plant dies, becomes diseased or unsightly, the Owner's Representative may request immediate or future replacement and the Contractor shall promptly comply. Contractor shall provide one replacement in accordance with these plans and specifications. Replacements necessary prior to project acceptance will not be considered warranty replacements.

Products and Materials

- (a) Plant Material: Plants to conform with species and sizes specified, be specimen quality with growth habits representative of the species, and be free of diseases, insect pests and injuries. Plants to be clearly marked as to source, species and size. Plant material must be approved prior to installation.
  - 1. Balled and Burlapped (B&B) Plants
    - a. Grown in a nursery with climatic conditions similar to those at the project site. B&B plants grown south of the St. Louis latitude will not be accepted.

- b. Single leader unless otherwise specified.
  - c. Pruned frequently while growing in the nursery to avoid forked leaders, low or uneven branching, asymmetric growth, crossed limbs, scars from pruning, etc.
  - d. Dug only when plants are dormant and in accordance with best nursery practices.
  - e. Solid earthen balls that encompass the fibrous and feeding roots of the plant.
- 2. Container Grown Plants
  - a. Grown in pots of specified size with high quality rooting medium to within 1 inch of the top of the container.
  - b. Well grown-in with roots that fully encompass the rooting medium.
  - c. Tops that are full and healthy at the time of planting.
- (b) Backfill Mixture: Approved topsoil.
- (c) Soil Amendments
  - 1. Peat Moss: Peat moss with uniform particle sizes not exceeding 1/4" in any dimension free of foreign material.
  - 2. Manure or Compost: Well-rotted, unleached horse or cattle manure free from foreign material and containing no phytotoxic substances.
- (d) Wood Mulch: Composted, shredded hardwood, particles free of viable seeds and foreign material. Mulch must be approved.
  - 1. Fine-Textured Hardwood Mulch: Particles no larger than 2" in any dimension.
  - 2. Medium-Textured Hardwood Mulch: Particles no larger than 4" in any dimension.
- (e) Pre-emergent Herbicide: Slow-release granular type recommended for use in new planting areas.
- (f) Water: Obtain from City building spigots or metered hydrants. Prior to use of hydrants, obtain a permit from the City of Pittsfield. Permit will be issued at no charge to the Contractor. Contractor to provide all watering equipment needed.

#### Delivery, Storage and Handling

- (a) Deliver packaged material in containers showing the weight, analysis and name of manufacturer. Protect from deterioration during delivery and storage at the site.
- (b) Deliver plant material to the site within 48 hours of its scheduled installation.
- (c) Transport and handle to avoid physical damage and desiccation of plants. Use protective covering during shipment.
- (d) Store plants in the shade, keep roots moist, and protect from weather and mechanical damage. Maintain label on one plant of each variety.

- (e) During installation, handle plants to avoid any damage. Should any plant(s) be damaged, the Owner's Representative will determine if replacement is required and Contractor should replace promptly.

#### Construction Requirements

- (a) Time of Operation: When the climatic and soil conditions are appropriate as confirmed by Owner's Representative.
- (b) Layout: Determine the location of all utilities and avoid digging where utility damage could result. Flag locations of trees and obtain approval prior to excavating.
- (c) Plant Excavations
  - 1. Excavate to dimensions shown on plans. Dispose of excess excavated material off-site.
  - 2. Protect excavations, do not leave open over-night.
- (d) Trees and Shrubs
  - 1. Set in over-sized excavations at the level plants were grown.
  - 2. Remove pins, pull back burlap, and tuck around sides of B&B rootball.
  - 3. Place excavated topsoil in 12 inch lifts around root balls and firmly hand tamp.
  - 4. Thoroughly water-in plants within 4 hours of installation.
  - 5. Prune and limb-up plants when dormant with the exception of mechanical damage, which should be repaired immediately using good arboriculture practices. Dispose of trimmings off-site. Limb up shade trees to a height of 7-8 feet above the ground.
  - 6. Plant Support: Tree staking is not required at the time of planting. If a tree begins leaning for any reason, right the tree and stake according to project drawings and specifications.
- (e) Ornamental Grass, Perennials and Ground Cover
  - 1. Bed Preparation:
    - a. Till to depth shown on plans forming particles no greater than 1 inch.
    - b. Cover beds with thickness of peat moss and manure shown on plans.
    - c. Till again to a depth shown on plans, thoroughly mixing materials.
  - 2. Planting: Set in prepared soil at the elevation plants were grown and firmly tamp-in.
  - 3. Water: Thoroughly water-in within 4 hours of plant installation.
- (f) Pre-emergent Herbicide: Apply pre-emergent herbicide on planted areas at manufacturer's recommended rates.
- (g) Mulch: Cover areas with hardwood mulch to thickness shown on plans.

## Maintenance

- (a) Monitor and maintain plants for a period of 60 calendar days or until project approval, whichever is longer.
1. Water with the amount and frequency to optimize plant establishment. Plants generally require 10 gallons for each tree every 4 days, and 5 gallons for every shrub every 4 days, and 5 gallons per square yard of groundcover beds every 2 days. Water in a manner to achieve infiltration of water, avoiding run-off.
  2. Weed planted areas by hand or careful use of herbicides. Herbicide applicator must be licensed for commercial use of herbicides.
  3. Treat insects, disease, or fungus should any be detected.
  4. Fill any settled areas and voids with topsoil to restore finish grade. Raise or adjust plants if needed.

**Payment:** Trees and Shrubs will be paid for at the contract unit price per each for TREES, SHRUBS, AND EVERGREENS of the species, root type, and plant size specified. Payment for work will include all labor, equipment, and materials necessary to complete the work as specified herein and to the satisfaction of the Owner's Representative. The payment schedule is to be in accordance with Article 253.17, IDOT Standard Specifications. Mulch, pre-emergent herbicide, and maintenance will not be paid for separately, but included in the cost of the item being planted.

Perennial Plants will be paid for at the contract unit price per unit (100 plants) for PERENNIAL PLANTS, of the type and size specified. Payment for work will include all labor, equipment, and materials necessary to complete the work as specified herein and to the satisfaction of the Owner's Representative. Mulch, pre-emergent herbicide, soil amendments, and maintenance will not be paid for separately, but included in the cost of the item being planted.

**TRASH RECEPTACLES:** This work consists of furnishing and installing trash receptacles.

## Submittals

- (a) Cut sheets for trash receptacles.  
(b) Manufacturer's product warranty information.

**Warranty:** Contract warranty of the General Conditions and manufacturer's warranty applies.

## Products

- (a) Trash Receptacles



1. 32-36 gallon slat trash receptacle with side opening door, solid top lid, textured black color.
2. All hardware to be stainless steel or coated to resist corrosion.
3. Products to meet the Build America, Buy America Act (BABA) requirements.
4. Manufactured by one of the following:
  - a. Dumor Site Furnishings, Mifflintown, PA 17059-0142, 1-800-598-4018,  
[www.dumor.com](http://www.dumor.com)
    - Receptacle 157-32 with 25BT top
  - b. Victor Stanley, PO Drawer 330 Dunkirk, MD 20754, 1-800-368-2573,  
[www.victorstanley.com](http://www.victorstanley.com)
    - Economy Collection model "EB-36SD" with dome lid
  - c. SiteScapes, 2401 Producton Dr. Roca, NE 68430, 1-800-598-4018, [www.sitescapesonline.com](http://www.sitescapesonline.com)
    - CityView Receptacle CV2-2101

#### Construction Requirements

- (a) Set trash receptacles on pavement as shown on plans and anchor using 3/8" anchor bolts. Securely set bolts in concrete base with epoxy grout recommended by manufacturer.
- (b) Repair any scuffing or surface marring to the satisfaction of the Engineer.

Payment: This work will be paid for at the contract unit price per each for TRASH RECEPTACLES, which price shall include all equipment, materials and labor necessary for a complete installation.

**STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH:** This work consists of furnishing and installing an integrally colored Portland cement concrete sidewalk with a stamped surface, constructed on a prepared subbase as detailed herein at locations shown on the plans.

#### Submittals

- (a) The following items shall be submitted and approved prior to operations:
  1. Product information for integral color, stamp, and sealers.
  2. Color card indicating the proposed color
- (b) A 2'x6' sample pour of colored and stamped concrete shall be provided for evaluation by the Engineer. Sections shall be prepared with integral color, stamp pattern, release agent, and sealed. Additional test section(s) shall be provided if

needed to achieve the desired quality. The accepted mock-up will be the standard by which remaining work will be evaluated for technical and aesthetic merit. The mock-up may be in a location of proposed installation where it may remain if approved by the Engineer.

#### Products

- (a) Concrete for tinted and stamped concrete sidewalk shall be in accordance with Section 1020 Portland Cement Concrete, Type SI.
- (b) Reinforcement shall be coated in accordance with Section 1006.10 Concrete Reinforcement Bars, Fabric, and Strand.
- (c) Integral concrete color to be fine ground pure mineral pigments, specifically designed for coloring concrete. 238 Thyme (SRI 44) color manufactured by Solomon Colors, 4050 Color Plant Road, Springfield, IL 62702 (t) 800-624-0261, [www.solomoncolors.com](http://www.solomoncolors.com).
- (d) The proposed pattern in the pavement shall be formed by using a latex mat pressed into the wet concrete. The Mat shall be "Running Bond New Brick with 1/4" joint", Product ID: FM-5140 in the size of 23 3/4" x 35 1/2" by Brickform, [www.brickform.com](http://www.brickform.com) with parent company Solomon Colors, 4050 Color Plant Road, Springfield, IL 62702 (t) 800-624-0261, [www.solomoncolors.com](http://www.solomoncolors.com).
- (e) A hydrophobic powdered release agent shall be used to create a bond-breaker between the pavement and stamp while creating a secondary coloring effect once washed off and sealed. The colored concrete sidewalk shall be highlighted and released from the stamp using Antique Release, Buff Tan 375 color by Brickform, [www.brickform.com](http://www.brickform.com).
- (f) Concrete sealer is to be a water-based, clear acrylic copolymer curing and sealing compound. Product to be Gem Cure & Seal WB sealer by Brickform, [www.brickform.com](http://www.brickform.com).

#### Construction Requirements

- (a) Construction shall be in compliance with Section 420 – Portland Cement Concrete Pavement, IDOT Standard Specifications and these specifications.
- (b) Tinted concrete shall be integrally and uniformly colored to achieve manufacturer's color guide and approved sample pour quality.
- (c) Release agent should be applied to the surface(s) according to manufacturer's installation instructions.
- (d) Finish Surface
  - 1. Apply stamp pattern uniformly according to manufacturer's installation instructions.
  - 2. Deep joints (greater than 3/8") will not be allowed. Apply stamp to fit within the colored concrete area.
  - 3. Brick pattern joints to be parallel and perpendicular to the concrete curb and sidewalk surface as shown on project plans.

(e) Construction Joints

1. Provide regularly spaced saw cut construction joints at approximately 30-36" on center aligned with stamp pattern joints.

(f) Expansion Joints

1. Provide expansion joints according to pavement details, no greater than 30' apart. Joints not indicated on plans or details to be determined by Engineer.
2. Joints to be full depth and filled with 1/2" thick asphaltic coated expansion material set 1/4" below the concrete surface and filled with joint sealer to match color of tinted and stamped concrete and meet adjoining concrete elevations.

(g) Repair/Cleaning

1. As early as possible after the removal of the forms, patch poor joints, voids, air pockets and minor honeycombs. Large areas of honeycomb and other weak areas to be chipped out with a light pneumatic chip-hammer.
2. Repair: Wet the area. Apply bonding grout consisting of one part cement and one part sand (passing the No. 30 sieve) mixed to the consistency of thick cream. Apply patching concrete consisting of one part Portland cement, 2-1/2 parts sand (passing the No. 30 sieve) and enough water to produce a workable mixture which, when placed and cured, will match the color of the unmarred surfaces.
3. Clean concrete in accordance with the stamp, release, and sealer manufacturer's instructions to remove the following.
  - a. Excess colored bond breaker/antiquing release agent.
  - b. Efflorescence
  - c. Cement scale
3. Apply concrete cleaner before sealing the concrete surface.

(h) Seal exposed surfaces not less than 30 days after concrete is poured.

1. Thoroughly clean surface.
2. Apply a uniform coat of clear sealer at manufacturer's recommended rate by spraying or rolling.
3. After a minimum of 8 hours, apply a second coat of sealer in the same manner.

Payment: This work will be paid for at the contract unit price per square foot for STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH which price shall include all equipment, materials, rebar ties, and labor for tinting and finishing concrete to complete this work as specified to the satisfaction of the Engineer.

**TOPSOIL FURNISH AND PLACE (SPECIAL):** This work consists of earthwork modifications and providing and installing topsoil in areas to be planted.

Submittals

- (a) Prior to commencement of operations, Contractor to submit for approval:
  - 1. One cubic foot sample proposed topsoil.

Products and Materials

- (a) Topsoil according to Section 1081.05 and the following:
  - 1. Loamy soil from the A horizon soil profile of local prairie-type soils
  - 2. An organic content between 5 and 8 percent
  - 3. pH between 6.0 and 8.0
  - 4. Free of foreign material including construction waste, rocks and aggregate, litter, and contaminating products.
  - 5. At least 90 percent must pass the 2.00 mm sieve.

Construction Requirements

- (a) Time of Operation: When the climatic and soil conditions are appropriate as confirmed by Engineer.
- (b) Layout: Locate utilities prior to earthwork to avoid any conflicts and damage.
- (c) Earthwork modifications for trees, perennial plants, and turf installation:
  - 1. Excavations for plants to have near vertical sides and flat bottoms. Make certain sides and bottom of excavated pit are not smooth and glazed by scarifying sides and bottom with a sharp spade.
  - 2. Protect excavations, do not leave open over-night.
  - 3. Dispose of all excavated material off-site.
- (d) Topsoil furnish and place
  - 1. Deposit topsoil in excavated areas in 12" lifts, max.
  - 2. Tamp soil to 90-92% compaction to meet finished grade elevations.
  - 3. Clean all surfaces of excess topsoil.

Payment: Earthwork modifications and topsoil placement will be paid for at the contract unit price per cubic yard for TOPSOIL FURNISH AND PLACE (SPECIAL) which includes earthwork modifications and providing, placing, and tamping topsoil to finished grade.

**ORNAMENTAL FENCE:** This work consists of installing ornamental fence, complete with concrete footings and incidentals.

Submittals

- (a) Manufacturer's product information and cut sheets.
- (b) Foundation plan and shop drawings.
- (c) Manufacturer's product warranty information.

Warranty: Contract warranty of the General Conditions and manufacturer's warranty applies.

Products and Materials

(a) Ornamental Fence

- 1. Steel fence, 4' high with 3 rails and posts to match.
- 2. Steel material for fence components to conform to the requirements of ASTM A924/A924M, with a minimum yield strength of 45,000 psi (310 MPa). The steel is to be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.60 oz/ft<sup>2</sup> (276 g/m<sup>2</sup>), Coating Designation G-60.
- 3. Fence pickets to be 3/4" square x 18 Ga. tubing.
- 4. Horizontal rails to be steel channel, 1.5" x 1.4375" x 14 Ga.
- 5. Fence posts to be 2-1/2" x 16 Ga. tubing.
- 6. Fence panels to be 3-rail style, 96" long
- 7. Powdercoat paint finish, black color
- 8. Products to meet the Build America, Buy America Act (BABA) requirements.
- 9. Manufactured by one of the following:
  - a. Ameristar, 1555 N. Mingo Rd., Tulsa, OK 74116, 1-800-321-8724  
[www.ameristarfence.com](http://www.ameristarfence.com)
    - Montage Plus, Majestic Style
  - b. Iron World Manufacturing, LLC, 9390 Davis Avenue, Laurel, Maryland 20723, (t) 888-428-3415, [www.ironworldfencing.com](http://www.ironworldfencing.com)
    - Quality and style to match item "a" above.
  - c. Master Halco, 3010 Lyndon B Johnson Freeway, Suite 800, Dallas, TX 75234, (t) 800-883-8384, [www.masterhalco.com](http://www.masterhalco.com)
    - Quality and style to match item "a" above.

- (b) Concrete for footing shall be in accordance with Section 1020 Portland Cement Concrete, Type SI.

- (c) Reinforcement shall be in accordance with Section 1006.10 Concrete Reinforcement Bars, Fabric, and Strand.
- (d) All steel components to be certified American steel as approved by IDOT.
- (e) All hardware to be stainless steel or coated to resist corrosion.

#### Construction Requirements

- (a) Excavate or core drill holes for footings according to plans and manufacturer's recommendations.
- (b) Install footings according to plans.
- (c) Secure steel fence posts with base plate according to plan and manufacturer's recommendations.
- (d) Securely attach fence sections to post according to manufacturer's recommendations, taking care to protect the posts and fence from scuffing and other damage.
- (e) Repair or replace any damage to products or the site to the satisfaction of the Engineer.

Payment: This work will be paid for at the contract unit price per linear foot of ORNAMENTAL FENCE, which price shall include all equipment, materials and labor, including footing, for a complete installation.

**BENCHES** This work consists of furnishing and installing backless benches.

#### Submittals

- (a) Cut sheets for benches.
- (b) Manufacturer's product warranty information.

Warranty: Contract warranty of the General Conditions and manufacturer's warranty applies.

#### Products

- (a) Bench
  - 1. 6' long, backless, steel strap bench with cast ends, surface mount, and textured black color.
  - 2. All hardware to be stainless steel or coated to resist corrosion.
  - 3. Products to meet the Build America, Buy America Act (BABA) requirements.
  - 4. Manufactured by one of the following:
    - a. Dumor Site Furnishings, Mifflintown, PA 17059-0142, 1-800-598-4018, [www.dumor.com](http://www.dumor.com)
      - Bench Model 92-60

- b. Victor Stanley, PO Drawer 330 Dunkirk, MD 20754, 1-800-368-2573, [www.victorstanley.com](http://www.victorstanley.com)
- Classic Collection Model "CR-296"
- c. SiteScapes, 2401 Producton Dr. Roca, NE 68430, 1-800-598-4018, [www.sitescapesonline.com](http://www.sitescapesonline.com)
- CityView Backless Cast Ends Model "CV1-1110"

#### Construction Requirements

- (a) Set benches on pavement as shown on plans and anchor using 3/8" anchor bolts.
- (b) Securely set bolts in concrete base with epoxy grout recommended by manufacturer.
- (c) Repair any scuffing or surface marring to the satisfaction of the Engineer.

Payment: This work will be paid for at the contract unit price per each for BENCHES, which price shall include all equipment, materials and labor necessary for a complete installation.

**BICYCLE RACKS:** This work consists of furnishing and installing bicycle racks.

#### Submittals

- (a) Cut sheets for bicycle racks.
- (b) Manufacturer's product warranty information.

Warranty: Contract warranty of the General Conditions and manufacturer's warranty applies.

#### Products

- (a) Bicycle Racks
  1. Inverted U style rack to accommodate 2 bikes, textured black color.
  2. Approximately 36" high x 14-24" wide x 2-3/8" dia. steel tube.
  3. Surface mount option with base plates on each leg.
  4. All hardware to be stainless steel or coated to resist corrosion.
  5. Products to meet the Build America, Buy America Act (BABA) requirements.
  6. Manufactured by one of the following:
    - b) Dumor Site Furnishings, Mifflintown, PA 17059-0142, 1-800-598-4018, [www.dumor.com](http://www.dumor.com)
      - "Bike Rack 83-00/S-2", surface mount

c) Victor Stanley, PO Drawer 330 Dunkirk, MD 20754, 1-800-368-2573, [www.victorstanley.com](http://www.victorstanley.com)

- Cycle Sentry Collection model "BRWS-101" with surface mount base plate

a) SiteScapes, Inc. 2401 Production Drive, Roca, NE, 888-331-9464, [www.sitescapesonline.com](http://www.sitescapesonline.com)

- Apex Inverted U Bike Rack, Model AP2-02-SM

#### Construction Requirements

- (a) Set bicycle rack on pavement as shown on plans.
- (b) Verify position with Engineer.
- (c) Anchor to concrete pavement using manufacture supplied anchor bolts. Securely set bolts in concrete with epoxy grout recommended by manufacturer.
- (d) Repair any scuffing or surface marring to the satisfaction of the Engineer.

Payment: This work will be paid for at the contract unit price per each for BICYCLE RACKS, which price shall include all equipment, materials and labor necessary for a complete installation.

**LANDSCAPE PLANTER:** This work consists of furnishing, installing, and filling planters with water reservoirs.

#### Submittals

- (a) Manufacturer's product information and cut sheets.
- (b) Manufacturer's product warranty information.

Warranty: Contract warranty of the General Conditions and manufacturer's warranty applies.

#### Products and Materials

(a) Planter

1. Round, vertical steel strap style planter with high density polyethylene liner, textured black color
2. 28"-30" diameter x 23"-24" high
3. Products to meet the Build America, Buy America Act (BABA) requirements.
4. Manufactured by one of the following:



- a. Dumor, 138 Industrial Circle, Mifflintown, PA 17059, 800-598-4018, [www.dumore.com](http://www.dumore.com)
  - Planter 114-00
- b. Victor Stanley, 2103 Brickhouse Road, Dunkirk, MD 20754, 800-368-2573, [www.victorstanley.com](http://www.victorstanley.com)
  - Ironsites Collection, Model # S-24
- c. Sitescapes, 2401 Production Dr., Roca, NE 68430, 888-331-9464, [www.sitescapesonline.com](http://www.sitescapesonline.com)
  - CityView Vertical Strap Planters, Model # CV4-1000.

(b) Water Reservoir

1. Self-watering, heavy duty plastic planter insert.
  2. Round shape, 18" diameter x 4" high
  3. Holds approximately 4 gallons of water and comes with PVC fill tube.
  4. Model WW-R18 as supplied by Planters Unlimited, [www.plantersunlimited.com](http://www.plantersunlimited.com), 1-888-320-0626.
- (c) Potting soil: commercial potting soil mix comprised of equal parts of peat moss, rotted cow or horse manure and vermiculite and enhanced with fertilizer, forming a good growth medium for flowers.
- (d) Pea gravel: ½" to 1" diameter, light to medium brown color. No limestone content allowed.
- (e) Filter fabric: 6 oz. weight non-woven fabric meeting standards of Section 282 – Filter Fabric.

Construction Requirements

- (a) Set planters carefully on pavement as shown on plans.
- (b) Verify position with Engineer.
- (c) Fill planters with pea gravel, filter fabric, water reservoir, and potting soil according to plans.
- (d) Repair any scuffing or other surface marring to the satisfaction of the Engineer.

Payment: This work will be paid for at the contract unit price per each for LANDSCAPE PLANTER, which price shall include potting soil, pea gravel, filter fabric, and water reservoir for a complete installation.

**CONCRETE SIDEWALK FINISHING:** This work applies to concrete sidewalk surfaces within the project limits and consists of finishing concrete as detailed in the plans and as directed by the Engineer.

### Construction Requirements

- (a) Construction shall be in compliance with Section 424 – Portland Cement Concrete Sidewalk, IDOT Standard Specifications.
- (b) Construction joints shall be located as shown on the plans.
- (c) Expansion joints shall be ½" thick, full depth, ¼" from the surface with sealer to fill the void. Locations shall be as indicated on the plans, no greater than 30' on-center.
- (d) Joints for PCC Sidewalk to be hand tooled 1-1/2" deep with a 2" wide smooth, "picture frame" border on both sides of the joint.
- (e) Finish Surface
  - 1. Finish surface shall be medium-broomed, perpendicular to pedestrian traffic flow according to the plans.

### Payment

This work will not be paid for separately, but considered included in the cost of Portland Cement Concrete Sidewalk.

**STREET CLOCK:** This work consists of furnishing and installing ornamental street clock as shown on the plans and as directed by the Engineer.

Submittals: The following items shall be submitted and approved prior to operations

- (a) Product cut sheets.
- (b) Shop drawings indicating clock style, header text, and foundation requirements/details.
- (c) Structural-engineer sealed foundation drawing for review and approval.
- (d) Manufacturer's product warranty information.

Warranty: Contract warranty of the General Conditions and manufacturer's warranty applies.

### Products

- (a) Clock: 2-face, cast and extruded aluminum clock, with a decorative stepped bezel and saddle. 24" diameter dials made of white acrylic and back illuminated with LED lighting. Dials enclosed with clear polycarbonate lenses. Photocell automatically switches on the illuminated dial and header at dusk and switches it off at dawn.
  - 1. Dial and header markings to be black color.
  - 2. Arabic hour numbers (1, 2, 3, etc.)
  - 3. Minute and hour marks indicated on clock face.
  - 4. Clock to include: Master clock control so that automatic corrections for power outages as well as programmed events such as daylight savings.
  - 5. Clock to have dedicated 120VAC, 1 Phase input power.

- (b) Scrolled ornamentation at the top of the clock to be cast aluminum.
  - 1. Decorative header to read "Pittsfield".
- (c) Post and Base
  - 1. Traditional, cast aluminum pedestal base with tall sides and ornamentation, 18" square by 48" tall. Base to have a door to provide access for wiring and clock controls. Time is set manually from the pole base by a remote toggle switch. Access door to be secured with tamper-proof, stainless steel hardware
  - 2. Post, fluted, 10' length
  - 3. Four hot dipped galvanized "L" type anchor bolts shall be provided for post anchorage.
- (d) Manufactured by one of the following
  - 1. Verdin Bells and Clocks, 444 Reading Road, Cincinnati, OH 45202, 800-543-0488, [www.verdin.com](http://www.verdin.com)
    - 4K Howard Replica
  - 2. Electric Time Company, Inc., 97 West Street, Medfield, MA 02052, 508-359-4396, [www.electricstime.com](http://www.electricstime.com)
    - 2 Dial Howard – Small
  - 3. Lumichron Commercial Clocks, 2215 29<sup>th</sup> Street, Grand Rapids, MI 49508, 616-245-8888, [www.lumichron.com](http://www.lumichron.com)
    - E Howard Plus
- (e) Concrete for footing shall be in accordance with Section 1020 Portland Cement Concrete, Type SI.
- (f) Reinforcement shall be in accordance with Section 1006.10 Concrete Reinforcement Bars, Fabric, and Strand.

#### Construction Requirements

- (a) Install concrete foundation according to approved structural-engineered foundation drawing.
- (b) Ornamental street clock shall be set on concrete based using anchor bolts provided by the manufacturer. Bolts shall be set in concrete during base construction or as recommended by the manufacturer.
- (c) All components installed according to manufacturer's instructions.
- (d) Any scuffing or surface marring shall be repaired to the satisfaction of the Owner.

## Payment

- (a) This work will be paid for at the contract unit price per each for STREET CLOCK, which price shall include all equipment, materials and labor necessary for a complete installation, including foundation to complete this item as specified to the satisfaction of the Engineer.

**BASEMENT VAULTS, WINDOW WELLS & BASEMENT WALL OPENINGS:** At locations where vaults, window wells, or other basement wall openings exist under existing sidewalks which is to be replaced, the existing sidewalk shall be removed, all openings in the wall at the building line shall be sealed closed with a concrete retaining wall or reinforced concrete masonry unit (CMU) 8", the void filled with trench backfill, and new sidewalk then constructed.

This sidewalk to be removed may consist of plain concrete sidewalk or reinforced concrete sidewalk. The sidewalk removal at the building lines shall be in accordance with the details shown in the plans and as directed by the Engineer. The Contractor shall take care not to damage store fronts, bearing walls, supporting beams, or any other supporting members vital to the structural support of the building or the aesthetic value of the façade of the building.

All openings in the bearing wall at the building line shall be closed by constructing a concrete wall or reinforced CMU wall within the foundation opening in accordance with the detail shown in the plans, and the applicable portions of Section 503 of the Standard Specifications. The wall shall be formed and constructed in such a manner so that no additional pressures are exerted on the bearing wall. Steel forms with metal snap ties will be permissible.

All loose material in partition walls or within the vault shall be removed and disposed of prior to filling the vault. All voids under the pavement or sidewalk shall be filled with compacted trench backfill. Concrete or brick floors in the vaults shall be broken for drainage purposes. The vault shall then be filled with trench backfill to the subgrade elevation of the proposed sidewalk.

The P.C.C. sidewalk shall be constructed to the lines and grades determined by the Engineer at the time of construction, in accordance with the details shown in the plans and in accordance with the applicable portions of Section 424 of the Standard Specifications. The joint at the building line shall be sealed in accordance with the details shown in the plans.

Any damage to bearing walls or buildings caused due to the Contractor's operations shall be replaced or repaired by the Contractor at no additional cost to the City.

All excavation for the retaining wall, broken concrete, bricks, or other debris removed from the vaults shall be disposed of outside the limits of the right of way at locations approved by the Engineer.

Frames, grates, and covers removed with the existing sidewalk and not to be incorporated into the improvement shall become the property of the City of Pittsfield. The frames and grates shall be stockpiled at a location designated by the Contractor for removal by City personnel.

Basis of Payment: Sidewalk removed shall be paid for at the Contract unit price per square foot, measured in place, for SIDEWALK REMOVAL, which price includes payment in full for the removal and disposal of all concrete or reinforced concrete sidewalk. The concrete or CMU wall shall be paid for at the Contract unit price per square foot of surface area, for RETAINING WALL (SPECIAL), which price shall include all Class SI Concrete or CMU and grout, reinforcement bars, excavation, concrete, forming and bracing the wall, and all other material and labor required to complete the wall. Trench backfill shall be paid for at the Contract unit price per cubic yard for TRENCH BACKFILL, which price shall include all labor, material, and equipment required to complete this item. The proposed sidewalk shall be paid for at the Contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH, measured in place, which price includes payment in full for all material, labor, equipment, joints, etc. required to complete this item. The removal and disposal of all debris removed from the vaults will not be paid for separately but shall be included in the cost of the backfill

**ABANDON EXISTING UTILITIES:** This work shall consist of abandoning the existing utility tunnel at the intersection of Adams Street and Monroe street. Work items included sawcutting and removing the existing pavement over the tunnel, sealing both ends at the City of Pittsfield right of way line, removal of the top of the tunnel. breaking the tunnel floor, installing an empty conduit within the tunnel and filling the tunnel with trench backfill.

The contractor shall be responsible for disconnection and removal of the existing lighting circuit connected to the ceiling of the tunnel. The circuit shall be disconnected and removed at the power source. The lighting circuit within the tunnel beyond the abandoned portion shall be abandoned in place. The contractor shall be responsible for coordinating the removal and abandonment of the lighting with Pike County and the City of Pittsfield.

The contractor shall be responsible for abandoning all other utilities within the tunnel in place. Any existing conduits within the tunnel shall be removed and those penetrating the tunnel shall be permanently sealed with grout.

The contractor will be responsible for removing and disposing of the entire brick ceiling and the upper portions of the brick wall to a depth below the bottom of the roadway aggregate base (approximately 18") to the face of the retaining wall. The vertical walls and the floor can be abandoned in place.

The contractor shall construct a retaining wall at each end of the tunnel near the right of way line as the location approved by the engineer in accordance with the details in the plans, the applicable portions of Section 503 of the Standard Specifications, and as directed by the Engineer.

All loose material in the utility tunnel shall be removed and disposed of prior to filling the tunnel. All voids under the pavement shall be filled with compacted trench backfill. The floor of the tunnel shall be broken for drainage purposes. The utility tunnel shall then be filled with trench backfill to the subgrade elevation of the proposed pavement.

All broken concrete, bricks, or other debris removed from the vaults shall be disposed of outside the limits of the right of way at locations approved by the Engineer. Frames and lids removed shall become the property of the City of Pittsfield.

Basis of Payment: The removal and patching of the pavement shall be completed in accordance with the applicable portions of section 442 of the Standard Specifications and shall be paid for at the contract unit price per square yard, measured in place, for PAVEMENT PATCHING of the type indicated in the plans.

The concrete retaining wall shall be paid for at the contract unit price per square foot surface area, measured from the floor of the tunnel to the top of the wall, for RETAINING WALL (SPECIAL), which price shall include all Class SI Concrete, reinforcement bars, excavation, masonry blocks, forming the footing, and all other material and labor required to complete the wall. Trench backfill shall be paid for at the Contract unit price per cubic yard for TRENCH BACKFILL, which price shall include all labor, material, and equipment required to complete this item.

The abandonment of the tunnel will be paid for at the Contract unit price per L SUM for ABANDON EXISTING UTILITIES, which price shall include payment in full for all labor and equipment necessary to complete the work as described herein including breaking the floor and the removal and disposal of the ceiling, wiring, conduits and other debris as described.

## **REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (SITE SPECIFIC)**

**Description.** This work shall consist of the removal and disposal of regulated substances according to Section 669 of the Standard Specifications as revised below.

**Contract Specific Work Areas.** For stationing, the lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit, whichever is less.

The following contract specific work areas shall be monitored by the Environmental Firm for soil contamination and workers protection.

### **ISGS PESA 4784-3, Commercial Building, 100 Block of W. Washington Street, Pittsfield, Pike County, Illinois**

- Station 10+29 to Station 10+40, 16 feet LT. All excavation in the southwest corner of Washington Street and Madison Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters include: VOCs, SVOCs and Metals.

### **ISGS PESA 4784-4, Vapor Vortex Smoke Shop, 101 E. Washington Street, Pittsfield, Pike County, Illinois**

- All excavation in the southeast corner of Washington Street and Madison Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters include: VOCs, SVOCs and Metals.

### **ISGS PESA 4784-6, Pike County Government Building, 121 Block of E. Washington Street, Pittsfield, Pike County, Illinois**

- Station 20+30 to Station 20+40, 31 feet LT. All excavation in the southwest corner of Washington Street and Monroe Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(1). Contaminants of concern sampling parameters include: VOCs, SVOCs and Metals.

### **ISGS PESA 4784-7, United Community Bank, 1 Professional Plaza, Pittsfield, Pike County, Illinois**

- All excavation in the southeast corner of Washington Street and Monroe Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters include: VOCs, SVOCs and Metals.

### **SGS PESA 4784-8, Vacant Lot, 200 Block of E. Washington Street, Pittsfield, Pike County, Illinois**

- All excavation in the northeast corner of Washington Street and Monroe Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Contaminants of concern sampling parameters include: VOCs, SVOCs and Metals.

## **Work Zones**

Three distinct OSHA HAZWOPER work zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within sites with documented leaking underground storage tank (LUST) incidents, or sites under management in accordance with the requirements of the Site Remediation Program (SRP), Resource Conservation and Recovery Act (RCRA), or

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or as deemed necessary. For this project, the work zones apply for the following ISGS PESA Sites:  
**None**

Additional information on the contract specific work areas listed above collected during the regulated substances due-diligence process is available through the District's Environmental Studies Unit (DESU).



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:

City of Pittsfield

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2520 WEST ILES AVENUE, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JAMES JENNINGS, ACTING DIRECTOR

217/782-1724

May 28, 2025

RECEIVED

JUN - 2 2025

Ann Moffit  
City of Pittsfield  
215 N. Monroe.  
Pittsfield, IL 62363

HUTCHISON ENGINEERING, INC.

Re: PITTSTFIELD (Pike County-- IL1490750) Supplemental Approval for Water Main Extension  
Construction Permit No. 1-0645-FY2025

Dear Mrs. Moffit:

Supplemental approval is hereby given of the changes in the plans for the proposed watermain extension, from 2128 feet of 6 inch water main will be revised to 2070 feet of 8 inch water main. These revised plans, consisting of nine plan sheets and a Schedule B were submitted by your engineer Hutchison Engineering, Inc. and are designated as, "Downtown Square Reconstruction".

The original permit, 0645-FY2025, of the plans and specifications was given February 28, 2025.

This permit is void after May 27, 2026, unless construction of this project has started on or prior to that date.

If you have any questions or require further assistance in this matter, please contact Jaime Rabins of my staff at 217/524-3035.

Sincerely,

*Chris Johnston P.E.*

Chris Johnston, P.E.  
Manager, Permit Section  
Division of Public Water Supplies

CLJ:JAR

cc: Hutchison Engineering, Inc.  
Springfield Regional Office  
IDPH/DEH Plumbing & Water Quality Program

5075

NAME	✓	INITIALS
JEH		
JRB		
MVM		
AWM	✓	AWM
CMB		CMB

2125 S. First Street, Champaign, IL 61820 (217) 278-5800  
115 S. LaSalle Street, Suite 2203, Chicago, IL 60603  
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120  
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000

595 S. State Street, Elgin, IL 60123 (847) 608-3131  
2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200  
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022  
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

1021 North Grand Avenue, East; Post Office Box 19276; Springfield, IL 62794-9276

Division of Public Water Supplies

Telephone 217/782-1724

**PUBLIC WATER SUPPLY CONSTRUCTION PERMIT**

RECEIVED

SUBJECT: PITTSFIELD (IL1490750)

MAR - 5 2025

HUTCHISON ENGINEERING, INC

Permit Issued to:  
City of Pittsfield  
215 N Monroe  
Pittsfield, Illinois 62363

5075

PERMIT NUMBER: 0645-FY2025

DATE ISSUED: February 28, 2025

PERMIT TYPE: Water Main Extension

The issuance of this permit is based on plans and specifications prepared by the engineers/architects indicated, and are identified as follows. This permit is issued for the construction and/or installation of the public water supply improvements described in this document, in accordance with the provisions of the Environmental Protection Act, Title IV, Sections 14 through 17, and Title X, Sections 39 and 40, and is subject to the conditions printed on the last page of this permit and the ADDITIONAL CONDITIONS listed below.

FIRM: Hutchison Engineering, Inc.  
NUMBER OF PLAN SHEETS: 9  
TITLE OF PLANS: "Downtown Square Reconstruction"  
APPLICATION RECEIVED DATE: December 23, 2024

**PROPOSED IMPROVEMENTS:**

\*\*\* The installation of approximately 2,128 feet of 6-inch diameter water main along N Madison St, E Adams St, N Monroe St, Pittsfield, IL. \*\*\*

**ADDITIONAL CONDITIONS:**

1. All water mains shall be satisfactorily disinfected prior to use pursuant to Ill. Adm. Code, Title 35, Subtitle F, Section 602.310. Two consecutive sets of samples collected at least 24 hours apart must show the absence of coliform bacteria. The samples must be collected from every 1,200 feet of new water main along each branch and from the end of the line. An operating permit must be obtained before the project is placed in service. The application for operating permit and supporting documents can either be mailed to this office or emailed to [EPA.PWSPermits@illinois.gov](mailto:EPA.PWSPermits@illinois.gov). Use of the email address is preferred.
2. When replacing water mains with lead service lines or partial lead service lines connected to them, the owner or operator of the community water supply shall provide the owner or operator of each potentially affected building that is serviced by the affected lead service lines or partial lead service lines, as well as the occupants of those buildings, with an individual written notice. The lead informational notice shall be provided at least 14 days prior to permitted water main work. The notification provided by the community water supply must satisfy the requirements of Section 17.12(jj) of the Act, 415 ILCS 5/17.12(jj). A copy of the notice used must be submitted to the Agency with the Application for Operating Permit.

The owner or operator of a community water supply planning to partially replace only the supplier-owned portion of the lead service line must notify the service line's owner, or the owner's authorized agent, and any non-owner residents the service line serves at least 45 days before the replacement. The notice must explain that the supplier will replace the supplier-owned portion of the service line and offer to replace the customer-owned portion.

3. When the owner or operator of a community water supply replaces a water main, the community water supply shall identify all lead service lines connected to the water main and shall comply with the requirements of Section 17.12 of the Act, 415 ILCS 5/17.12 and Ill. Adm. Code, Title 35, Subtitle F, Section 611.354 for lead service line replacement. Galvanized service lines must also be replaced if the galvanized service line is or was connected downstream to the lead piping. The owner or operator of a community water supply must also replace any lead gooseneck, pigtail or connector it owns when encountered and offer to replace any customer-owned lead gooseneck, pigtail, or connector.

The owner or operator of a community water supply conducting a full lead service line replacement must comply with the requirements of Ill. Adm. Code, Title 35, Subtitle F, Section 611.354(e). Notification must be provided to the service line's owner, or the owner's authorized agent, and any non-owner residents the service line serves within 24 hours after completing the replacement. The notice must comply with the requirements of Ill. Adm. Code, Title 35, Subtitle F, Section 611.355(a). The supplier must inform consumers about service line and premise plumbing flushing using the procedure submitted with the Lead Service Line Replacement Plan. The owner or operator of a community water supply must provide the consumer with a pitcher filter or point-of-use treatment device to reduce lead, six-months of replacement cartridges, and use instructions before returning the replaced service line to service. If the lead service line serves more than one residence or multi-unit building, the owner or operator must provide a filter, six months of replacement cartridges and use instructions to every unit in the building. The owner or operator of a community water supply must offer to the consumer to collect a follow-up tap sample between three and six months after replacing the lead service line and provide the results to the consumer.

For any partial lead service line replacements, in addition to complying with the 45-day notification requirement before replacement, the supplier must provide notice complying with Ill. Adm. Code, Title 35, Subtitle F, Section 611.355(a) before returning a service line to service. The owner or operator of a community water supply conducting a partial lead service line replacement must also comply with the requirements 35 Ill. Adm. Code, Title 35, Subtitle F, Section 611.354(d). The supplier must inform consumers about service line and premise plumbing flushing using the procedure submitted with the Lead Service Line Replacement Plan. The owner or operator of a community water supply must provide the consumer with a pitcher filter or point-of-use treatment device to reduce lead, six-months of replacement cartridges, and use instructions before returning the replaced service line to service. If the lead service line serves more than one residence or multi-unit building, the owner or operator must provide a filter, six months of replacement cartridges and use instructions to every unit in the building. The owner or operator of a community water supply must offer to the consumer to collect a follow-up tap sample between three and six months after replacing the lead service line and provide the results to the consumer.

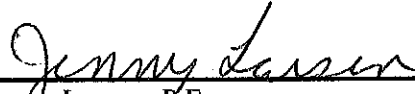
4. A statement must be submitted with the Application for Operating Permit indicating either that no full or partial lead service lines or galvanized requiring replacement were identified or that Section 17.12 of the Act and Ill. Adm. Code, Title 35, Subtitle F, Section 611.354 was complied with for this project.

PITTSFIELD (IL1490750)  
PERMIT NUMBER: 0645-FY2025  
Page 2

6. The permit approval is for the Application, Schedule A, Schedule B, 9 plan sheets received on December 23, 2024 and revised Application received January 9, 2025 and additional information received February 12, 2025.

JML:RHN

cc: Hutchison Engineering, Inc.  
Springfield Regional Office  
IDPH/DEH Plumbing & Water Quality Program

  
\_\_\_\_\_  
Jenny Larsen, P.E.  
Working Supervisor, Permit Section – Unit B  
Division of Public Water Supplies



STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS  
ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

The Illinois Environmental Protection Agency Act (415 ILCS 5/39) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

These standard conditions shall apply to all permits which the Agency issues for construction or development projects which require permits under the Division of Water Pollution Control, Air Pollution Control, Public Water Supplies and Land Pollution Control. Special conditions may also be imposed by the separate divisions in addition to these standard conditions.

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year after this date of issuance unless construction or development on this project has started on or prior to that date. (See standard condition #8 below)
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
  - a. to enter at reasonable times the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
  - b. to have access to and copy at reasonable times any records required be kept under the terms and conditions of this permit.
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit.
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants.
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the permits upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with the other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability directly or indirectly for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. These standard conditions shall prevail unless modified by special conditions.
7. The Agency may file a complaint with Board for modification, suspension or revocation of a permit:
  - a. upon discovery that the permit application misrepresentation or false statements or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.
8. Division of Public Water Supply Construction Permits expire one year from date of issuance or renewal, unless construction has started. If construction commences within one year from date of issuance or renewal, the permit expires five years from the date of permit issuance or renewal. A request for extension shall be filed prior to the permit expiration date.



# Illinois Department of Transportation

Office of Highways Project Implementation / Region 4 / District 6  
3215 Executive Park Drive / Springfield, Illinois 62703

May 23, 2025

RE: Permit 6-36553 First Send Out Letter

Tom Reinhardt  
City of Pittsfield  
215 N. Monroe St.  
Pittsfield, IL 62363

Dear Mr. Reinhardt:

Enclosed is a copy of Utility Permit, District Serial No. 6-36553. Please sign and date as petitioner.

The signed permit is to be returned to this office for approval on the part of the Department, after which a fully approved copy will be returned to you.

**NOTE: Attached is a Traffic Control Authorization Request Form that must be completed and returned to the Department before Final Approval of your permit. The Department is requiring a contact name & number of an individual that can be reached on a 24-Hour basis during the proposed project.**

Work may not be started until you have received a fully approved copy of this permit.

If you should have any questions, please feel free to contact Kim Tribbet at (217) 782-7745 or via email at [Kim.Tribbet@illinois.gov](mailto:Kim.Tribbet@illinois.gov).

Sincerely,

Lora S. Rensing, P.E.  
Chief Engineer

By   
Steve V. Beran, P.E., S.E.  
District 6 Operations Engineer

SVB/KT/kdh  
Enclosure



E-mail	Reset Form
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IDOT Public Improvement ☐ Yes ☒ No

IDOT Permit No. **6-36553**

Utility Reference No. **N/A**

I (We) Name of Applicant E-mail  
City of Pittsfield treinhardt@pittsfieldil.org

Mailing Address City State Zip Code  
215 N. Monroe Street Pittsfield IL 62363

hereinafter termed the Permittee, request permission and authority to occupy, and to do certain work herein described on, the right-of-way  
of the State highway known as FAP 321 (US 54/IL 106), Section (20,107)RS-8, ADA  
in Pike County.

Location Reference Begin STA. 11+ 71 End STA. 15+ 90

The work is described in detail below and/or on the attached sketch or plans.

Storm Sewer removal and replacement discharging into manhole within IDOT right of way at US54/IL 106 and Madison Street and storm sewer removal and replacement discharging into manhole within IDOT right of way at US 54/IL 106 and Monroe Street.

This permit covers the operation and presence of specified equipment, material or facility on the right-of-way that may be related to the authorized work. A copy of this permit must be present when crews or equipment occupy highway right-of-way. Failure to comply may result in the cessation of all construction.

This permit is subject to conditions and restrictions of Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System. The removal, relocation or modification of facilities permitted to occupy the right-of-way is governed by Section 9-113 of the Illinois Highway Code, as amended by Public Act 92-0470. The Permittee agrees to comply with the requirements of these laws and with all terms and conditions established by this permit. This permit is subject to revocation by the Department on violation of the terms and conditions governing its use.

**THIS PERMIT IS NOT IN EFFECT UNTIL  
SIGNED BY PETITIONER AND  
APPROVED BY DISTRICT ENGINEER.**

KTJ BAM JWA  
MJH

Permittee Signature & Date

Name of Permittee or Agent (Print or Type)

Tom Reinhardt

Mailing Address

215 N. Monroe Street

City State Zip Code  
Pittsfield IL 62363

The work authorized by this permit shall be completed by \_\_\_\_\_ or within 180 calendar days (180 days max.) after the date of approval by the Department, otherwise the permit will be considered null and void.

Public Improvement Projects only: The anticipated letting date is April 25, 2024  
The permit allowing occupancy and work on state right-of-way is approved. The Utility Coordination Council established by the Department in the area covered by this permit is the district in which the permit was issued.

Regional Engineer or Designee Signature & Date

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This permit is subject to the conditions and restrictions established in accordance with the Illinois Highway Code and Part 530 of Title 92 of the Illinois Administrative Code including but not limited to the following:

- (1) The applicant represents all parties in interest and shall furnish material, do all work, pay all costs and shall in a reasonable length of time restore the damaged portions of the highway to a condition similar or equal to that existing before the commencement of the described work, including any landscape restoration necessary. (See Section 530.250 of Title 92).
- (2) The proposed work shall be located and constructed to the satisfaction of the Regional Engineer or his duly authorized representative. No revisions or additions shall be made to the proposed work on the right-of-way without the written permission of the Regional Engineer or his duly authorized representative (See Section 530.200 of Title 92). In certain circumstances the Department may require that the construction plans and/or the as-built documents be sealed by an Illinois Registered Professional Engineer. Typical of such projects would be petroleum or gas pipelines.
- (3) The applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the applicant. (See Section 530.240 of Title 92).
- (4) The applicant must ascertain the presence of Highway Authority Agreements established in accordance with 35 Ill. Admin. Code Section 742.1020 in the path of its proposed installation and take precautions to protect its workers, human health and the environment in those areas. (See Section 530.240 of Title 92). Where contamination is encountered through excavation in the ROW, it should be managed offsite and IDOT's generator number for the appropriate county may be used.
- (5) The applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the Regional Engineer or his duly authorized representative. (See Section 530.600 of Title 92).
- (6) The facilities authorized to occupy the right-of-way by this permit are subject to removal, relocation or modification by the permittee at no expense to the State on notice given by the Department in accordance with Section 9-113 of the Illinois Highway Code, as amended. Participation by the permittee in the UTILITY Coordination Council identified on page one of this permit is required as a condition of this permit. Permittee shall cooperate with the Department with the scheduling of any removal, relocation or modification deemed necessary for highway or highway safety purposes, and, if Utility Coordination Council participation is required by this permit, with the activities of the council identified on the first page of this permit. (See Section 9-113 of the Illinois Highway Code.) Use of and compliance with current IDOT Traffic Control Standards will be required.
- (7) If the applicant and the District cannot agree either on whether the permit should be issued or on what conditions would be appropriate, the applicant may, within 30 days of the issuance of written notice of the District's position, appeal the District's determination to the Chief of the Department's Central Bureau of Operations. (See Section 530.900 of Title 92).
- (8) The permittee agrees to fully comply with the following legal obligations in advance of entering and while upon any Right-of-way within the Illinois State Highway System.
  - a) Only a permit issued by the Department under this Part will satisfy the "written consent" requirement of Section 9-113 of the Illinois Highway Code (the Code).
  - b) A permit from the Department grants a license only to undertake certain activities in accordance with this Part on a State right-of-way, and does not create a property right or grant authority to the permittee to impinge on the rights of others who may have an interest in the right-of-way. Such others might include an owner of an underlying fee simple interest if the right-of-way is owned as an easement or dedication of right of way, an owner of an easement, or another permittee.
  - c) It shall be the responsibility of the permittee to ascertain the presence and location of existing above-ground or underground facilities on the highway right-of-way to be occupied by their proposed facilities. The Department will make its permit records available to a permittee for the purpose of identifying possible facilities. When notified of an excavation or when requested by the Department, a permittee shall locate, physically mark, and indicate the depth of its underground facilities within 48 hours excluding weekends and holidays.
  - d) The permittee shall avoid conflicts with any existing underground or above-ground facilities on or near the highway right-of-way. Both the Department and J.U.L.I.E. are to be contacted for assistance during the application process.
  - e) The permittee shall comply with all other applicable laws relating to the placement of utility lines.
  - f) The issuance of a utility permit by the Department does not excuse the permittee from complying with any existing statutes, local regulations or requirements of other Department (e.g., oversize and overweight vehicles) or the requirements of other State agencies including, but not limited to, the following:  
 Illinois Commerce Commission, Illinois Department of Agriculture  
 Illinois Department of Natural Resources, Illinois Department of Mines and Minerals  
 Illinois Environmental Protection Agency, Illinois Historic Preservation Agency
  - g) Rights of abutting and underlying property owners are protected by common law and Sections 9-113 and 9-127 of the Code. The permittee will address these rights prior to initiating activities on State right-of-way. The Department will not be a party in any negotiations between the utility and abutting property owners.
  - h) In no case shall the permit give or be construed to give an entity any easement, leasehold or other property interest of any kind in, upon, under, above or along the State highway right-of-way.
  - i) Each person responsible for a utility, in place on the effective date of this Part, on a State highway right-of-way shall notify the Department in writing, if that facility does not comply with this Part. The Department shall treat such a notice as a request for a variance under Section 530.130. Until informed that a variance will not be granted, a person responsible for a pre-existing utility will not be in violation of this Part. The failure to provide such notice constitutes a violation of this Part and of the utility accommodation permit (if any) and would justify the imposition of the sanctions set forth in Section 530.810.

Work to be coordinated with Department Reps:

Department Rep 1	Phone
Tom Reinhardt treinhartd@pittsfieldil.org	(217) 242-8451

Department Rep 2	Phone

Utility Contact Person/E-mail	Phone

Work to be done by:

Contractor

Daytime Phone	Emergency Phone

Traffic control operation:

Number of lane closures	Time of closures
N/A	

DISTRICT SERIAL NO. 6-36553

The work location is on FAP 321 (US 54/IL 106) Washington Street and Madison and Washington Street and Monroe in Pittsfield, IL.

This is your authority to locate, construct and maintain storm sewer on the above-described highway.

**LANE CLOSURES SHALL NOT BE PERMITTED.**

Any deviation of alignment for the proposed work requires permission from the District Permit Office. Upon completion of the project, the petitioner shall submit a set of as-built plans. Please contact Kim Tribbet at 217-782-7745 or Brian Mancini at 217-785-5311 for alignment changes.

No overhead flood light fixtures, advertising signs, or signs of any kind, shall be placed on/or overhang the state right-of-way.

Open trench backfill shall be thoroughly compacted and all excess earth shall be removed from the right-of-way. Progressive settlement of the backfill shall be filled immediately by the petitioner.

Traffic on the highway shall be protected by the use of signs barricades, lights and flagmen as may be required during progress of the work in accordance with the current State of Illinois Manual of Uniform Traffic Control Devices for Highway Construction and Maintenance Operations and the attached Traffic Control Standard(s) & Traffic Control Details.

This permit is issued only with the express understanding that the petitioner has obtained the proper authority for the said installation from the Environmental Protection Agency in accordance with the Environmental Protection Act; and /or the Department of Public Health and any applicable local water or sanitary sewer department.

The centerline of all poles, anchors, fixtures, and appurtenances shall be located not more than one foot from the highway right-of-way line except as shown on the attached sketch.

Layout and construction shall be as shown on the attached sketch which is a part of this permit.

This permit shall not be in force until it has been approved in writing by the District Six Bureau of Operations of the Illinois Department of Transportation.

All street or highway pavement openings made to allow access to an underground service shall be backfilled with a granular backfill thoroughly tamped.

The crossing under the pavement shall be pushed or bored and open excavation shall be no closer than 10 feet to either pavement edge or at least 30 inches below the flow line of the original or existing cross section of the roadway whichever is lower.

The disturbed area shall be seeded with the specified mixture at the following ratio: Three pounds of Kentucky Bluegrass or Kentucky 31 or Alta Fescue, two pounds of Perennial Ryegrass. The rate of application shall be five pounds per 1000 square feet. All flat areas shall be mulched with straw. Areas with slopes of 3:1 and greater shall be covered with an erosion control fabric. The area shall be continuously reseeded until a sound turf is established.

This work shall be completed within 180 days of the date that the permit is approved by the District Engineer.

When the depth at the wall of the excavation nearest the pavement exceeds or is planned to exceed the horizontal distance from the wall to the nearest edge of the pavement, the wall must be supported in accordance with the Standard Specifications for Road and Bridge Construction. If soil conditions are such the wall will not support itself, the above method shall be used for the completion of the excavation.

Following completion of the construction on the highway right-of-way, all broken concrete or any other waste dirt or materials shall be removed from the highway and the remaining grassed areas prepared for seeding.

At all times during construction, the permittee shall be responsible for maintaining the highway surface in a safe and sightly manner. Any mud or debris which might be tracked or spilled onto the highway surface shall be immediately removed.

Before digging on state right-of-way, call toll free 800-892-0123 to the "Joint Utility Locating and Information for Excavators." They will advise you if there are any utilities in the area.

All construction methods and materials shall comply with the applicable provisions of the State of Illinois "Standard Specifications for Road and Bridge Construction" current edition.

**WET BORING OR JETTING WILL NOT BE PERMITTED UNDER THE ROADWAY STRUCTURE OF STATE HIGHWAYS.**

The permittee shall contact the City of Pittsfield to locate: Traffic Signal Wiring, Traffic Signal Interconnect and Highway Lighting

**IDOT MAY ONLY HAVE PRESCRIPTIVE RIGHTS TO THE RIGHT OF WAY. IT IS THE UTILITY'S RESPONSIBILITY TO DETERMINE WHO OWNS THE PROPERTY AND TO OBTAIN PERMISSION FROM THE PROPERTY OWNER**



# Illinois Department of Transportation

## Traffic Control Authorization Request

District 6

Project N/A

Marked Route US54/IL106

County Pike

Contract Number N/A

Section 24-00037-00-RS

Location City of Pittsfield - US 54/IL 106 at Madison St

City of Pittsfield - US 54/IL 106 at Monroe St

Inclusive Dates of Work \_\_\_\_\_ to \_\_\_\_\_ Work Hours 07:00 ☒ AM ☐ PM to 4:00 ☐ AM ☒ PM

Work Type ☐ Maintenance ☒ Construction ☐ Traffic ☐ Other

Describe Work Storm Sewer Removal and Replacement - see attached plans.

Contractor or Agency Performing Work \_\_\_\_\_

**Responsible Engineer:** (Construction Foreman/Superintendent, Maintenance/Traffic Field Engineer)

Name Tom Reinhardt Telephone No. ( 217 ) 242-8451 ( )  
Office Home

(If traffic control is to be employed between 5:00 p.m. and 8:30 a.m. or on Saturday, Sunday or holidays give additional names and numbers)

Name \_\_\_\_\_ Telephone No. ( ) ( )

Name \_\_\_\_\_ Telephone No. ( ) ( )

Name \_\_\_\_\_ Telephone No. ( ) ( )

**Controls:** (Describe specific controls to be used, including reference to appropriate Highway Standards or sections of manuals, and set forth any special controls proposed).

Hwy. Std. 701006-05 - OFF-RD. OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE

Hwy. Std. 701801-06 - SIDEWALK, CORNER, OR CROSSWALK CLOSURE

**Distribution:** District Operations/Traffic Engineer  
Project Implementation Engineer  
Field Engineer  
Resident Engineer  
ISP District

Submitted by: Anthony Miller, Project Manager

Approved by: \_\_\_\_\_  
(District Operations/Traffic Engineer)



# Detailed Location Map

PITTSFIELD HISTORIC  
DOWNTOWN SQUARE  
RECONSTRUCTION  
MADISON STREET  
PIKE COUNTY  
SECTION: 24-00037-00-RS

ADAMS STREET

Pittsfield

MADISON  
STREET

MONROE  
STREET

EXISTING MH  
STA 10+29.39, 15.57' LT  
RIM = 735.37  
W INV = 731.55  
SW INV = 730.96  
N INV = 730.91  
E INV = 730.69

EXISTING MH  
STA 20+29.68, 30.68' LT  
RIM = 730.97  
W INV = 727.52  
NW INV = 727.99  
N INV = 727.57  
S INV = 727.27

WASHINGTON STREET (US 54)

200 ft



Google Earth

Image © 2024 Airbus







November 26, 2024

Department of Transportation  
Division of Highways/District 6  
3215 Executive Park Drive  
Springfield, IL 62703

ATTN: Ms. Kim Tribbet

Subject: City of Pittsfield  
US 54/IL 106  
Pittsfield, IL  
Pike County  
**UTILITY PERMIT**

Dear Ms. Tribbet:

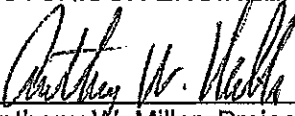
On behalf of the City of Pittsfield, we are writing to you to request a utility permit to remove and replace 12" storm sewer outfalls to existing manholes at two separate locations. The proposed improvements at both locations will take place near the north right of way line of US 54 south of the Pittsfield downtown square. The specific locations are the intersections of US 54 and Madison St and US 54 and Monroe Street. Please refer to the enclosed detailed location map and plan and profile sheets for additional information. Also find enclosed the required BSPE 725 and the oper-1113 forms.

The City of Pittsfield plans to construct this project during the 2025 and 2026 construction seasons.

If you have any questions or need additional information, feel free to contact this office at any time or contact the facility owner as follows:

Mr. Tom Reinhardt  
City of Pittsfield  
215 N. Monroe Street  
Pittsfield, IL 62363  
Phone: 217-242-8451

Very truly yours,  
HUTCHISON ENGINEERING, INC.

  
\_\_\_\_\_  
Anthony W. Miller, Project Manager P.E.

AWM:cb  
Encl.  
cc: Mr. Tom Reinhardt

## **IDOT TRAINING PROGRAM GRADUATE ON-THE-JOB TRAINING SPECIAL PROVISION**

Effective: August 1, 2012      Revised: February 2, 2017

In addition to the Contractor's equal employment opportunity (EEO) affirmative action efforts undertaken as required by this Contract, the Contractor is encouraged to participate in the incentive program described below to provide additional on-the-job training to certified graduates of the IDOT pre-apprenticeship training program, as outlined in this Special Provision.

IDOT funds, and various Illinois community colleges operate, pre-apprenticeship training programs throughout the State to provide training and skill-improvement opportunities to promote the increased employment of minority groups, disadvantaged persons and women in all aspects of the highway construction industry. The intent of this IDOT Pre-Apprenticeship Training Program Graduate (TPG) special provision (Special Provision) is to place these certified program graduates on the project site for this Contract in order to provide the graduates with meaningful on-the-job training. Pursuant to this Special Provision, the Contractor must make every reasonable effort to recruit and employ certified TPG trainees to the extent such individuals are available within a practicable distance of the project site.

Specifically, participation of the Contractor or its subcontractor in the Program entitles the participant to reimbursement for graduates' hourly wages at \$15.00 per hour per utilized TPG trainee, subject to the terms of this Special Provision. Reimbursement payment will be made even though the Contractor or subcontractor may also receive additional training program funds from other non-IDOT sources for other non-TPG trainees on the Contract, provided such other source does not specifically prohibit the Contractor or subcontractor from receiving reimbursement from another entity through another program, such as IDOT through the TPG program. With regard to any IDOT funded construction training program other than TPG, however, additional reimbursement for other IDOT programs will not be made beyond the TPG Program described in this Special Provision when the TPG Program is utilized.

No payment will be made to the Contractor if the Contractor or subcontractor fails to provide the required on-site training to TPG trainees, as solely determined by IDOT. A TPG trainee must begin training on the project as soon as the start of work that utilizes the relevant trade skill and the TPG trainee must remain on the project site through completion of the Contract, so long as training opportunities continue to exist in the relevant work classification. Should a TPG trainee's employment end in advance of the completion of the Contract, the Contractor must promptly notify the IDOT District EEO Officer for the Contract that the TPG's involvement in the Contract has ended. The Contractor must supply a written report for the reason the TPG trainee involvement terminated, the hours completed by the TPG trainee on the Contract, and the number of hours for which the incentive payment provided under this Special Provision will be, or has been claimed for the separated TPG trainee.

Finally, the Contractor must maintain all records it creates as a result of participation in the Program on the Contract, and furnish periodic written reports to the IDOT District EEO Officer that document its contractual performance under and compliance with this Special Provision. Finally, through participation in the Program and reimbursement of wages, the Contractor is not relieved of, and IDOT has not waived, the requirements of any federal or state labor or employment law applicable to TPG workers, including compliance with the Illinois Prevailing Wage Act.

**METHOD OF MEASUREMENT:** The unit of measurement is in hours.

**BASIS OF PAYMENT:** This work will be paid for at the contract unit price of \$15.00 per hour for each utilized certified TPG Program trainee (TRAINEES TRAINING PROGRAM GRADUATE). The estimated total number of hours, unit price, and total price must be included in the schedule of prices for the Contract submitted by Contractor prior to beginning work. The initial number of TPG trainees for which the incentive is available for this contract is 4.

The Department has contracted with several educational institutions to provide screening, tutoring and pre-training to individuals interested in working as a TPG trainee in various areas of common construction trade work. Only individuals who have successfully completed a Pre-Apprenticeship Training Program at these IDOT approved institutions are eligible to be TPG trainees. To obtain a list of institutions that can connect the Contractor with eligible TPG trainees, the Contractor may contact: HCCTP TPG Program Coordinator, Office of Business and Workforce Diversity (IDOT OBWD), Room 319, Illinois Department of Transportation, 2300 S. Dirksen Parkway, Springfield, Illinois 62764. Prior to commencing construction with the utilization of a TPG trainee, the Contractor must submit documentation to the IDOT District EEO Officer for the Contract that provides the names and contact information of the TPG trainee(s) to be trained in each selected work classification, proof that the TPG trainee(s) has successfully completed a Pre-Apprenticeship Training Program, proof that the TPG is in an Apprenticeship Training Program approved by the U.S. Department of Labor Bureau of Apprenticeship Training, and the start date for training in each of the applicable work classifications.

To receive payment, the Contractor must provide training opportunities aimed at developing a full journeyworker in the type of trade or job classification involved. During the course of performance of the Contract, the Contractor may seek approval from the IDOT District EEO Officer to employ additional eligible TPG trainees. In the event the Contractor subcontracts a portion of the contracted work, it must determine how many, if any, of the TPGs will be trained by the subcontractor. Though a subcontractor may conduct training, the Contractor retains the responsibility for meeting all requirements imposed by this Special Provision. The Contractor must also include this Special Provision in any subcontract where payment for contracted work performed by a TPG trainee will be passed on to a subcontractor.

Training through the Program is intended to move TPGs toward journeyman status, which is the primary objective of this Special Provision. Accordingly, the Contractor must make every effort to enroll TPG trainees by recruitment through the Program participant educational institutions to the extent eligible TPGs are available within a reasonable geographic area of the project. The Contractor is responsible for demonstrating, through documentation, the recruitment efforts it has undertaken prior to the determination by IDOT whether the Contractor is in compliance with this Special Provision, and therefore, entitled to the Training Program Graduate reimbursement of \$15.00 per hour.

Notwithstanding the on-the-job training requirement of this TPG Special Provision, some minimal off-site training is permissible as long as the offsite training is an integral part of the work of the contract, and does not compromise or conflict with the required on-site training that is central to the purpose of the Program. No individual may be employed as a TPG trainee in any work classification in which he/she has previously successfully completed a training program leading to journeyman status in any trade, or in which he/she has worked at a journeyman level or higher.

## 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."

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## 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 3% 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.

## EROSION CONTROL BLANKET (BDE)

Effective: August 1, 2025

Revise Article 251.02 of the Standard Specifications to read:

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

Item	Article/Section
(a) Compost .....	1081.05(b)
(b) Mulch .....	1081.06(a)
(c) Chemical Mulch Binder .....	1081.06(a)(3)
(d) Chemical Compost Binder .....	1081.06(a)(4)
(e) Erosion Control Blanket .....	1081.10(a)
(f) Wildlife Friendly Erosion Control Blanket .....	1081.10(b)
(g) Wire Staples .....	1081.10(c)
(h) Wood Stakes .....	1081.10(d)
(i) Turf Reinforcement Mat .....	1081.10(e)”

Revise the first and second sentences of Article 251.04 of the Standard Specifications to read:

**“251.04 Erosion Control Blanket.** All erosion control blanket materials shall be placed on the areas specified within 24 hours of seed placement.”

Revise the second paragraph of Article 251.04 of the Standard Specifications to read:

“After the area has been properly shaped, fertilized (when applicable), and seeded, the blanket shall be laid out flat, evenly, and smoothly, without stretching the material. The erosion control blanket shall be placed according to the manufacture’s recommendations.”

Revise the second sentence of Article 251.06(b) of the Standard Specifications to read:

“Erosion control blanket, wildlife friendly erosion control blanket, and turf reinforcement mat will be measured for payment in square yards (square meters).”

Revise Article 251.07 of the Standard Specifications to read:

**“251.07 Basis of Payment.** This work will be paid for at the contract unit price per acre (hectare) for MULCH, of the method specified; and at the contract unit price per square yard (square meter) for EROSION CONTROL BLANKET, WILDLIFE FRIENDLY EROSION CONTROL BLANKET, or TURF REINFORCEMENT MAT.”

Revise first sentence of Article 280.04(h) of the Standard Specifications to read:



“This system consists of temporarily installing erosion control blanket or wildlife friendly erosion control blanket over areas that are to be reworked during a later construction phase.”

Revise Article 280.08(g) of the Standard Specifications to read:

“(g) Temporary Erosion Control Blanket. Temporary erosion control blanket will be paid for at the contract unit price per square yard (square meter) for TEMPORARY EROSION CONTROL BLANKET or TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET.

The work of removing, storing, and reinstalling the blanket over areas to be reworked more than once will not be paid for separately but shall be included in the cost of the temporary erosion control blanket or temporary wildlife friendly erosion control blanket.”

Revise Article 1081.10 of the Standard Specifications to read:

“**1081.10 Erosion Control Blankets.** The manufacturer shall furnish a certificate with each shipment stating the amount of product furnished and that the material complies with these requirements.

(a) Erosion Control Blanket. Erosion control blanket shall be covered on top and bottom, also known as double net, with a 100 percent biodegradable woven, natural fiber or jute net meeting the following.

Material	Minimum Value
Excelsior	80%
Straw	100%
Coconut or Coir	100% Coconut or Coir
Straw/Coconut or Coir	70% Straw / 30% Coconut or Coir

(b) Wildlife Friendly Erosion Control Blanket. Wildlife friendly erosion control blanket shall be according to Article 1081.10(a) except the netting shall be loose weave, also known as leno weave or gauze weave, with a moveable joint.

(c) Wire Staples. Staples shall be made from No. 11 gauge or heavier uncoated black carbon steel wire, a minimum of 1 in. (25 mm) wide at the top and a minimum overall length of 8 in. (200 mm).

(d) Wood Stakes. Hardwood blanket anchors shall be nominally 7 in. (180 mm) long from neck of hook to tip of anchor. The anchor shall have a minimum 1/2 in. (13 mm) curving hook to hold the blanket in place.

(e) Turf Reinforcement Mat (TRM). The TRM shall be comprised of non-degradable, ultraviolet stabilized synthetic fibers, filaments, netting, and/or wire mesh processed into

a three-dimensional reinforced mat. The mats may include degradable material to assist with vegetation establishment. Soil filled mats will not be allowed.

The TRM shall meet the following physical and performance properties:

Property	Value	Test Method
Tensile Strength, lb/ft (kN/m)	150 (2.19) min.	ASTM D 6818
UV Stability, (% Tensile Retained)	80 min.	ASTM D 4355 (1000 Hour Exposure)
Resiliency, (% Thickness Retained)	80 min.	ASTM D 6524
Allowable Shear Stress, lb/sq ft (Pa) <sup>1/</sup>	8 (384)	ECTC approved test method and independent laboratory

1/ Minimum shear stress the TRM (fully vegetated) can sustain without physical damage or excess erosion (> 1/2 in. (13 mm) soil loss) during a 30 minute flow event in large scale testing.

For TRMs containing degradable components, all property values shall be obtained on the non-degradable portion of the matting alone.”

80467

## **HOT-MIX ASPHALT (BDE)**

Effective: January 1, 2024

Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

“(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site.”

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity ( $G_{mm}$ ) will be based on the running average of four available Department test results for that project. If less than four  $G_{mm}$  test results are available, an average of all available Department test results for that project will be used. The initial  $G_{mm}$  will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial  $G_{mm}$ .”

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

“(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1).”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity ( $G_{mm}$ ) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

## **PAVEMENT MARKING (BDE)**

Effective: April 1, 2025

Revised: November 1, 2025

Revise the fourth sentence of the fourth paragraph of Article 780.05 of the Standard Specifications to read:

“Grooves for letters and symbols shall be cut in a rectangular shape or in the shape of the proposed marking so the entire marking will fit within the limits of the grooved area.”

Revise the last sentence of the third paragraph of Article 780.08 of the Standard Specifications to read:

“The Contractor shall install the preformed plastic pavement markings according to the manufacturer’s recommendations.”

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

## **PAVEMENT PATCHING (BDE)**

Effective: August 1, 2025

Revise the first sentence of the last paragraph of Article 442.06(a)(2) of the Standard Specifications to read:

“Type IV patches shall be reinforced with welded wire reinforcement according to the details shown on the plans.”

Revise Article 442.06(a)(3) of the Standard Specifications to read:

“(3) Class C Patching. Patches adjacent to a new lane of pavement, new portland cement concrete shoulder, or new curb and gutter of more than 20 ft (6 m) in length shall be tied with No. 6 (No. 19) tie bars, 24 in. (600 mm) long, embedded 8 in. (200 mm) at 36 in. (900 mm) centers according to Article 420.05(b).

When the patched pavement is not to be resurfaced, transverse contraction joints shall be formed on 15 ft (4.5 m) to 20 ft (6 m) centers by sawing in all patches that are more than 20 ft (6 m) in length. They shall be placed in line with joints or cracks in the existing slab whenever possible.”

Revise the eighth paragraph of Article 442.11 of the Standard Specifications to read:

“Pavement tie bars for patches will be paid for at the contract unit price per each for TIE BARS, of the diameter specified.”

80468

## PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

**“1032.05 Performance Graded Asphalt Binder.** These materials will be accepted according to the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.” The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

- (a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, $\Delta T_c$ , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

- (b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.”

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient



grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 “Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates” or AASHTO PP 74 “Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method”, a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 $\mu$ m)	95 $\pm$ 5
No. 50 (300 $\mu$ m)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified

asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: \*.SPA, \*.SPG, \*.IRD, \*.IFG, \*.CSV, \*.SP, \*.IRS, \*.GAML, \*. [0-9], \*.IGM, \*.ABS, \*.DRT, \*.SBM, \*.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders		
Test	Asphalt Grade	
	SM PG 46-28	SM PG 46-34
	SM PG 52-28	SM PG 52-34
	SM PG 58-22	SM PG 58-28
	SM PG 64-22	
Small Strain Parameter (AASHTO PP 113) BBR, $\Delta T_c$ , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.	
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, $\Delta G^* _{peak}$ , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	$\geq 54$ %	

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % <sup>1/2/</sup>			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface <sup>3/</sup>
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.

- 2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.
- (2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % <sup>1/ 2/</sup>			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface <sup>3/</sup>
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	- -	- -	25
IL-4.75	- -	- -	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.”

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

“A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of  $\pm 0.40$  percent.”

## 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

## **SEEDING (BDE)**

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

**“250.07 Seeding Mixtures.** The classes of seeding mixtures and combinations of mixtures will be designated in the plans.

When an area is to be seeded with two or more seeding classes, those mixtures shall be applied separately on the designated area within a seven day period. Seeding shall occur prior to placement of mulch cover. A Class 7 mixture can be applied at any time prior to applying any seeding class or added to them and applied at the same time.

TABLE 1 - SEEDING MIXTURES		
Class - Type	Seeds	lb/acre (kg/hectare)
1 Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	100 (110) 60 (70) 40 (50)
1A Salt Tolerant Lawn Mixture 1/	Kentucky Bluegrass Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipila</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 20 (20) 20 (20) 60 (70)
1B Low Maintenance Lawn Mixture 1/	Turf-Type Fine Fescue 3/ Perennial Ryegrass Red Top <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue)	150 (170) 20 (20) 10 (10) 20 (20)
2 Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) Red Top	100 (110) 50 (55) 40 (50) 10 (10)
2A Salt Tolerant Roadside Mixture 1/	<i>Lolium arundinaceum</i> (Tall Fescue) Perennial Ryegrass <i>Festuca rubra</i> ssp. <i>rubra</i> (Creeping Red Fescue) <i>Festuca brevipila</i> (Hard Fescue) <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass)	60 (70) 20 (20) 30 (20) 30 (20) 60 (70)
3 Northern Illinois Slope Mixture 1/	<i>Elymus canadensis</i> (Canada Wild Rye) 5/ Perennial Ryegrass Alsike Clover 4/ <i>Desmanthus illinoensis</i> (Illinois Bundleflower) 4/ 5/ <i>Schizachyrium scoparium</i> (Little Bluestem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Puccinellia distans</i> (Fults Saltgrass or Salty Alkaligrass) Oats, Spring Slender Wheat Grass 5/ Buffalo Grass 5/ 7/	5 (5)  20 (20) 5 (5) 2 (2)  12 (12)  10 (10)  30 (35) 50 (55) 15 (15) 5 (5)
3A Southern Illinois Slope Mixture 1/	Perennial Ryegrass <i>Elymus canadensis</i> (Canada Wild Rye) 5/ <i>Panicum virgatum</i> (Switchgrass) 5/ <i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Bouteloua curtipendula</i> (Side-Oats Grama) 5/ <i>Dalea candida</i> (White Prairie Clover) 4/ 5/ <i>Rudbeckia hirta</i> (Black-Eyed Susan) 5/ Oats, Spring	20 (20) 20 (20)  10 (10) 12 (12)  10 (10)  5 (5)  5 (5) 50 (55)

Class – Type		Seeds	lb/acre (kg/hectare)
4	Native Grass 2/ 6/	<i>Andropogon gerardi</i>	4 (4)
		(Big Blue Stem) 5/	
		<i>Schizachyrium scoparium</i>	5 (5)
		(Little Blue Stem) 5/	
		<i>Bouteloua curtipendula</i>	5 (5)
		(Side-Oats Grama) 5/	
		<i>Elymus canadensis</i>	1 (1)
		(Canada Wild Rye) 5/	
		<i>Panicum virgatum</i> (Switch Grass) 5/	1 (1)
		<i>Sorghastrum nutans</i> (Indian Grass) 5/	2 (2)
4A	Low Profile Native Grass 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
		<i>Schizachyrium scoparium</i>	5 (5)
		(Little Blue Stem) 5/	
		<i>Bouteloua curtipendula</i>	5 (5)
		(Side-Oats Grama) 5/	
		<i>Elymus canadensis</i>	1 (1)
		(Canada Wild Rye) 5/	
		<i>Sporobolus heterolepis</i>	0.5 (0.5)
4B	Wetland Grass and Sedge Mixture 2/ 6/	Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Wetland Grasses (species below) 5/	6 (6)
		<u>Species:</u>	<u>% By Weight</u>
		<i>Calamagrostis canadensis</i> (Blue Joint Grass)	12
		<i>Carex lacustris</i> (Lake-Bank Sedge)	6
		<i>Carex slipata</i> (Awl-Fruited Sedge)	6
		<i>Carex stricta</i> (Tussock Sedge)	6
		<i>Carex vulpinoidea</i> (Fox Sedge)	6
		<i>Eleocharis acicularis</i> (Needle Spike Rush)	3
		<i>Eleocharis obtusa</i> (Blunt Spike Rush)	3
		<i>Glyceria striata</i> (Fowl Manna Grass)	14
		<i>Juncus effusus</i> (Common Rush)	6
		<i>Juncus tenuis</i> (Slender Rush)	6
		<i>Juncus torreyi</i> (Torrey's Rush)	6
		<i>Leersia oryzoides</i> (Rice Cut Grass)	10
		<i>Scirpus acutus</i> (Hard-Stemmed Bulrush)	3
		<i>Scirpus atrovirens</i> (Dark Green Rush)	3
		<i>Bolboschoenus fluviatilis</i> (River Bulrush)	3
		<i>Schoenoplectus tabernaemontani</i> (Softstem Bulrush)	3
		<i>Spartina pectinata</i> (Cord Grass)	4



Class – Type	Seeds	lb/acre (kg/hectare)
5	Forb with Annuals Mixture 2/ 5/ 6/	Annuals Mixture (Below) Forb Mixture (Below)
		1 (1) 10 (10)
	Annuals Mixture - Mixture not exceeding 25 % by weight of any one species, of the following:	
	<i>Coreopsis lanceolata</i> (Sand Coreopsis) <i>Leucanthemum maximum</i> (Shasta Daisy) <i>Gaillardia pulchella</i> (Blanket Flower) <i>Ratibida columnifera</i> (Prairie Coneflower) <i>Rudbeckia hirta</i> (Black-Eyed Susan)	
	Forb Mixture - Mixture not exceeding 5 % by weight PLS of any one species, of the following:	
	<i>Amorpha canescens</i> (Lead Plant) 4/ <i>Anemone cylindrica</i> (Thimble Weed) <i>Asclepias tuberosa</i> (Butterfly Weed) <i>Aster azureus</i> (Sky Blue Aster) <i>Symphyotrichum leave</i> (Smooth Aster) <i>Aster novae-angliae</i> (New England Aster) <i>Baptisia leucantha</i> (White Wild Indigo) 4/ <i>Coreopsis palmata</i> (Prairie Coreopsis) <i>Echinacea pallida</i> (Pale Purple Coneflower) <i>Eryngium yuccifolium</i> (Rattlesnake Master) <i>Helianthus mollis</i> (Downy Sunflower) <i>Heliopsis helianthoides</i> (Ox-Eye) <i>Liatris aspera</i> (Rough Blazing Star) <i>Liatris pycnostachya</i> (Prairie Blazing Star) <i>Monarda fistulosa</i> (Prairie Bergamot) <i>Parthenium integrifolium</i> (Wild Quinine) <i>Dalea candida</i> (White Prairie Clover) 4/ <i>Dalea purpurea</i> (Purple Prairie Clover) 4/ <i>Physostegia virginiana</i> (False Dragonhead) <i>Potentilla arguta</i> (Prairie Cinquefoil) <i>Ratibida pinnata</i> (Yellow Coneflower) <i>Rudbeckia subtomentosa</i> (Fragrant Coneflower) <i>Silphium laciniatum</i> (Compass Plant) <i>Silphium terebinthinaceum</i> (Prairie Dock) <i>Oligoneuron rigidum</i> (Rigid Goldenrod) <i>Tradescantia ohiensis</i> (Spiderwort) <i>Veronicastrum virginicum</i> (Culver's Root)	

Class – Type		Seeds	lb/acre (kg/hectare)
5A	Large Flower Native Forb Mixture 2/ 5/ 6/	Forb Mixture (see below)	5 (5)
	<u>Species:</u>	<u>% By Weight</u>	
	<i>Aster novae-angliae</i> (New England Aster)	5	
	<i>Echinacea pallida</i> (Pale Purple Coneflower)	10	
	<i>Helianthus mollis</i> (Downy Sunflower)	10	
	<i>Heliopsis helianthoides</i> (Ox-Eye)	10	
	<i>Liatris pycnostachya</i> (Prairie Blazing Star)	10	
	<i>Ratibida pinnata</i> (Yellow Coneflower)	5	
	<i>Rudbeckia hirta</i> (Black-Eyed Susan)	10	
	<i>Silphium laciniatum</i> (Compass Plant)	10	
	<i>Silphium terebinthinaceum</i> (Prairie Dock)	20	
	<i>Oligoneuron rigidum</i> (Rigid Goldenrod)	10	
5B	Wetland Forb 2/ 5/ 6/	Forb Mixture (see below)	2 (2)
	<u>Species:</u>	<u>% By Weight</u>	
	<i>Acorus calamus</i> (Sweet Flag)	3	
	<i>Angelica atropurpurea</i> (Angelica)	6	
	<i>Asclepias incarnata</i> (Swamp Milkweed)	2	
	<i>Aster puniceus</i> (Purple Stemmed Aster)	10	
	<i>Bidens cernua</i> (Beggarticks)	7	
	<i>Eutrochium maculatum</i> (Spotted Joe Pye Weed)	7	
	<i>Eupatorium perfoliatum</i> (Boneset)	7	
	<i>Helenium autumnale</i> (Autumn Sneezeweed)	2	
	<i>Iris virginica shrevei</i> (Blue Flag Iris)	2	
	<i>Lobelia cardinalis</i> (Cardinal Flower)	5	
	<i>Lobelia siphilitica</i> (Great Blue Lobelia)	5	
	<i>Lythrum alatum</i> (Winged Loosestrife)	2	
	<i>Physostegia virginiana</i> (False Dragonhead)	5	
	<i>Persicaria pensylvanica</i> (Pennsylvania Smartweed)	10	
	<i>Persicaria lapathifolia</i> (Curlytop Knotweed)	10	
	<i>Pycnanthemum virginianum</i> (Mountain Mint)	5	
	<i>Rudbeckia laciniata</i> (Cut-leaf Coneflower)	5	
	<i>Oligoneuron riddellii</i> (Riddell Goldenrod)	2	
	<i>Sparganium eurycarpum</i> (Giant Burreed)	5	
6	Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring	5 (5)  2 (2)  5 (5) 15 (15) 48 (55)
6A	Salt Tolerant Conservation Mixture 2/ 6/	<i>Schizachyrium scoparium</i> (Little Blue Stem) 5/ <i>Elymus canadensis</i> (Canada Wild Rye) 5/ Buffalo Grass 5/ 7/ Vernal Alfalfa 4/ Oats, Spring <i>Puccinellia distans</i> (Fulps Saltgrass or Salty Alkaligrass)	5 (5)  2 (2)  5 (5) 15 (15) 48 (55) 20 (20)
7	Temporary Turf Cover Mixture	Perennial Ryegrass Oats, Spring	50 (55) 64 (70)

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with  $\text{KNO}_3$  to break dormancy and dyed to indicate such.

Seeding will be inspected after a period of establishment. The period of establishment shall be six (6) months minimum, but not to exceed nine (9) months. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

80445

## SHORT TERM AND TEMPORARY PAVEMENT MARKINGS (BDE)

Effective: April 1, 2024

Revised: April 2, 2024

Revise Article 701.02(d) of the Standard Specifications to read:

“(d) Pavement Marking Tapes (Note 3) ..... 1095.06”

Add the following Note to the end of Article 701.02 of the Standard Specifications:

“Note 3. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 703.02(c) of the Standard Specifications to read:

“(c) Pavement Marking Tapes (Note 1) ..... 1095.06”

Add the following Note to the end of Article 703.02 of the Standard Specifications:

“Note 1. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 1095.06 of the Standard Specifications to read:

**“1095.06 Pavement Marking Tapes.** Type I white or yellow marking tape shall consist of glass spheres embedded into a binder on a foil backing that is precoated with a pressure sensitive adhesive. The spheres shall be of uniform gradation and distributed evenly over the surface of the tape.

Type IV tape shall consist of white or yellow tape with wet reflective media incorporated to provide immediate and continuing retroreflection in wet and dry conditions. The wet retroreflective media shall be bonded to a durable polyurethane surface. The patterned surface shall have approximately  $40 \pm 10$  percent of the surface area raised and presenting a near vertical face to traffic from any direction. The channels between the raised areas shall be substantially free of exposed reflective elements or particles.

Blackout tape shall consist of a matte black, non-reflective, patterned surface that is precoated with a pressure sensitive adhesive.

- (a) Color. The white and yellow markings shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degrees circumferential/zero degree geometry, illuminant D65, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

Color	Daylight Reflectance %Y
White	65 min.
Yellow *	36 - 59

\*Shall match Aerospace Material Specification Standard 595 33538 (Orange Yellow) and the chromaticity limits as follows.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

- (b) Retroreflectivity. The white and yellow markings shall be retroreflective. Reflective values measured in accordance with the photometric testing procedure of ASTM D 4061 shall not be less than those listed in the table below. The coefficient of retroreflected luminance,  $R_L$ , shall be expressed as average millicandelas/footcandle/sq ft (millicandelas/lux/sq m), measured on a 3.0 x 0.5 ft (900 mm x 150 mm) panel at 86 degree entrance angle.

Coefficient of Retroreflected Luminance, $R_L$ , Dry					
Type I			Type IV		
Observation Angle	White	Yellow	Observation Angle	White	Yellow
0.2°	2700	2400	0.2°	1300	1200
0.5°	2250	2000	0.5°	1100	1000

Wet retroreflectance shall be measured for Type IV under wet conditions according to ASTM E 2177 and meet the following.

Wet Retroreflectance, Initial $R_L$	
Color	$R_L$ 1.05/88.76
White	300
Yellow	200

- (c) Skid Resistance. The surface of Type IV and blackout markings shall provide a minimum skid resistance of 45 BPN when tested according to ASTM E 303.
- (d) Application. The pavement marking tape shall have a precoated pressure sensitive adhesive and shall require no activation procedures. Test pieces of the tape shall be applied according to the manufacturer's instructions and tested according to ASTM D 1000, Method A, except that a stiff, short bristle roller brush and heavy hand pressure will be substituted for the weighted rubber roller in applying the test pieces to the metal test panel. Material tested as directed above shall show a minimum adhesion value of 750 g/in. (30 g/mm) width at the temperatures specified in ASTM D 1000. The adhesive shall be resistant to oils, acids, solvents, and water, and shall not leave objectionable stains or residue after removal. The material shall be flexible and conformable to the texture of the pavement.

(e) Durability. Type IV and blackout tape shall be capable of performing for the duration of a normal construction season and shall then be capable of being removed intact or in large sections at pavement temperatures above 40 °F (4 °C) either manually or with a roll-up device without the use of sandblasting, solvents, or grinding. The Contractor shall provide a manufacturer's certification that the material meets the requirements for being removed after the following minimum traffic exposure based on transverse test decks with rolling traffic.

- (1) Time in place - 400 days
- (2) ADT per lane - 9,000 (28 percent trucks)
- (3) Axle hits - 10,000,000 minimum

Samples of the material applied to standard specimen plates will be measured for thickness and tested for durability in accordance with ASTM D 4060, using a CS-17 wheel and 1000-gram load, and shall meet the following criteria showing no significant change in color after being tested for the number of cycles indicated.

Test	Type I	Type IV	Blackout
Minimum Initial Thickness, mils (mm)	20 (0.51)	65 (1.65) <sup>1/</sup> 20 (0.51) <sup>2/</sup>	65 (1.65) <sup>1/</sup> 20 (0.51) <sup>2/</sup>
Durability (cycles)	5,000	1,500	1,500

1/ Measured at the thickest point of the patterned surface.

2/ Measured at the thinnest point of the patterned surface.

The pavement marking tape, when applied according to the manufacturer's recommended procedures, shall be weather resistant and shall show no appreciable fading, lifting, or shrinkage during the useful life of the marking. The tape, as applied, shall be of good appearance, free of cracks, and edges shall be true, straight, and unbroken.

(f) Sampling and Inspection.

(1) Sample. Prior to approval and use of Type IV pavement marking tape, the manufacturer shall submit a notarized certification from an independent laboratory, together with the results of all tests, stating that the material meets the requirements as set forth herein. The independent laboratory test report shall state the lot tested, the manufacturer's name, and the date of manufacture.

After initial approval by the Department, samples and certification by the manufacturer shall be submitted for each subsequent batch of Type IV tape used. The manufacturer shall submit a certification stating that the material meets the requirements as set forth herein and is essentially identical to the material sent for qualification. The certification shall state the lot tested, the manufacturer's name, and the date of manufacture.

- (2) Inspection. The Contractor shall provide a manufacturer's certification to the Engineer stating the material meets all requirements of this specification. All material samples for acceptance tests shall be taken or witnessed by a representative of the Bureau of Materials and shall be submitted to the Engineer of Materials, 126 East Ash Street, Springfield, Illinois 62704-4766 at least 30 days in advance of the pavement marking operations."

80457

## **SIGN PANELS AND APPURTENANCES (BDE)**

Effective: January 1, 2025

Revised: April 1, 2025

Add Article 720.02(c) of the Standard Specifications to read:

“(c) Aluminum Epoxy Mastic .....1008.03”

Revise the second and third paragraphs of Article 720.02 of the Standard Specifications to read:

“The sign mounting support channel shall be manufactured from steel or aluminum and shall be according to Standard 720001.

Steel support channels shall be according to ASTM A 1011 (A 1011M), ASTM A 635 (A 635M), ASTM A 568 (A 568M), or ASTM A 684 (A 684M), and shall be galvanized. Galvanizing shall be according to ASTM A 653 (A 653M) when galvanized before fabrication, and AASHTO M 111 (M 111M) when galvanized after fabrication. Field or post fabricated drilled holes shall be spot painted with one coat of aluminum epoxy mastic paint prior to installation.”

Revise the fifth paragraph of Article 720.02 of the Standard Specifications to read:

“The stainless steel banding for mounting signs or sign support channels to light or signal standards shall be according to ASTM A 240 (A 240M) Type 302 stainless steel.”

80462



## **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

## **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

## **TRAINING SPECIAL PROVISIONS (BDE)**

Effective: October 15, 1975

Revised: September 2, 2021

This Training Special Provision supersedes Section 7b of the Special Provision entitled "Specific Equal Employment Opportunity Responsibilities," and is in implementation of 23 U.S.C. 140(a).

As part of the Contractor's equal employment opportunity affirmative action program, training shall be provided as follows:

The Contractor shall provide on-the-job training aimed at developing full journeyman in the type of trade or job classification involved. The number of trainees to be trained under this contract will be 4. In the event the Contractor subcontracts a portion of the contract work, it shall determine how many, if any, of the trainees are to be trained by the subcontractor, provided however, that the Contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The Contractor shall also ensure that this Training Special Provision is made applicable to such subcontract. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

The number of trainees shall be distributed among the work classifications on the basis of the Contractor's needs and the availability of journeymen in the various classifications within the reasonable area of recruitment. Prior to commencing construction, the Contractor shall submit to the Illinois Department of Transportation for approval the number of trainees to be trained in each selected classification and training program to be used. Furthermore, the Contractor shall specify the starting time for training in each of the classifications. The Contractor will be credited for each trainee it employs on the contract work who is currently enrolled or becomes enrolled in an approved program and will be reimbursed for such trainees as provided hereinafter.

Training and upgrading of minorities and women toward journeyman status is a primary objective of this Training Special Provision. Accordingly, the Contractor shall make every effort to enroll minority trainees and women (e.g. by conducting systematic and direct recruitment through public and private sources likely to yield minority and women trainees) to the extent such persons are available within a reasonable area of recruitment. The Contractor will be responsible for demonstrating the steps it has taken in pursuance thereof, prior to a determination as to whether the Contractor is in compliance with this Training Special Provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which he or she has successfully completed a training course leading to journeyman status or in which he or she has been employed as a journeyman. The Contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the Contractor's records should document the findings in each case.



The minimum length and type of training for each classification will be as established in the training program selected by the Contractor and approved by the Illinois Department of Transportation and the Federal Highway Administration. The Illinois Department of Transportation and the Federal Highway Administration shall approve a program, if it is reasonably calculated to meet the equal employment opportunity obligations of the Contractor and to qualify the average trainee for journeyman status in the classification concerned by the end of the training period. Furthermore, apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved by not necessarily sponsored by the U.S. Department of Labor Employment Training Administration shall also be considered acceptable provided it is being administered in a manner consistent with the equal employment obligations of Federal-aid highway construction contracts. Approval or acceptance of a training program shall be obtained from the State prior to commencing work on the classification covered by the program. It is the intention of these provisions that training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Training in the laborer classification may be permitted provided that significant and meaningful training is provided and approved by the Illinois Department of Transportation and the Federal Highway Administration. Some offsite training is permissible as long as the training is an integral part of an approved training program and does not comprise a significant part of the overall training.

Except as otherwise noted below, the Contractor will be reimbursed 80 cents per hour of training given an employee on this contract in accordance with an approved training program. As approved by the Engineer, reimbursement will be made for training of persons in excess of the number specified herein. This reimbursement will be made even though the Contractor receives additional training program funds from other sources, provided such other source does not specifically prohibit the Contractor from receiving other reimbursement. Reimbursement for offsite training indicated above may only be made to the Contractor where he does one or more of the following and the trainees are concurrently employed on a Federal-aid project; contributes to the cost of the training, provides the instruction to the trainee or pays the trainee's wages during the offsite training period.

No payment shall be made to the Contractor if either the failure to provide the required training, or the failure to hire the trainee as a journeyman, is caused by the Contractor and evidences a lack of good faith on the part of the Contractor in meeting the requirement of this Training Special Provision. It is normally expected that a trainee will begin his training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist in his work classification or until he has completed his training program.

It is not required that all trainees be on board for the entire length of the contract. A Contractor will have fulfilled his responsibilities under this Training Special Provision if he has provided acceptable training to the number of trainees specified. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.

Trainees will be paid at least 60 percent of the appropriate minimum journeyman's rate specified in the contract for the first half of the training period, 75 percent for the third quarter of the training period, and 90 percent for the last quarter of the training period, unless apprentices or trainees in an approved existing program are enrolled as trainees on this project. In that case, the appropriate rates approved by the Departments of Labor or Transportation in connection with the existing program shall apply to all trainees being trained for the same classification who are covered by this Training Special Provision.

The Contractor shall furnish the trainee a copy of the program he will follow in providing the training. The Contractor shall provide each trainee with a certification showing the type and length of training satisfactorily complete.

The Contractor shall provide for the maintenance of records and furnish periodic reports documenting its performance under this Training Special Provision.

For contracts with an awarded contract value of \$500,000 or more, the Contractor is required to comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules to the extent permitted by Section 20-20(g). For federally funded projects, the number of trainees to be trained under this contract, as stated in the Training Special Provisions, will be the established goal for the Illinois Works Apprenticeship Initiative 30 ILCS 559/20-20(g). The Contractor shall make a good faith effort to meet this goal. For federally funded projects, the Illinois Works Apprenticeship Initiative will be implemented using the FHWA approved OJT procedures. The Contractor must comply with the recordkeeping and reporting obligations of the Illinois Works Apprenticeship Initiative for the life of the project, including the certification as to whether the trainee/apprentice labor hour goals were met.

Method of Measurement. The unit of measurement is in hours.

Basis of Payment. This work will be paid for at the contract unit price of 80 cents per hour for TRAINEES. The estimated total number of hours, unit price, and total price have been included in the schedule of prices.

20338

## **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

**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 situations 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 procurement 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 journeymen 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 procurement 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.

\* \* \* \* \*

## **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.