September 20, 2024 Letting

Notice to Bidders, Specifications and Proposal



Contract No. 66P72
Various Counties
Section 2025-01 TREE REMOVAL
Various Routes
District 3 Construction Funds

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. September 20, 2024 prevailing time 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. 66P72
Various Counties
Section 2025-01 TREE REMOVAL
Various Routes
District 3 Construction Funds

Tree removal in Bureau, Ford, Iroquois, Kankakee, Kendall, LaSalle, and Grundy Counties.

- 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 readvertise the proposed improvement, and to waive technicalities.

By Order of the Illinois Department of Transportation

Omer Osman, Secretary

INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2024

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction

(Adopted 1-1-22) (Revised 1-1-24)

SUPPLEMENTAL SPECIFICATIONS

Std. Spe	ec. Sec.	Page No.
202	Earth and Rock Excavation	1
204	Borrow and Furnished Excavation	2
207	Porous Granular Embankment	
211	Topsoil and Compost	4
407	Hot-Mix Asphalt Pavement (Full-Depth)	5
420	Portland Cement Concrete Pavement	6
502	Excavation for Structures	
509	Metal Railings	
540	Box Culverts	
542	Pipe Culverts	
586	Granular Backfill for Structures	34
630	Steel Plate Beam Guardrail	35
644	High Tension Cable Median Barrier	36
665	Woven Wire Fence	
782	Reflectors	38
801	Electrical Requirements	40
821	Roadway Luminaires	
1003	Fine Aggregates	
1004	Coarse Aggregates	
1010	Finely Divided Minerals	
1020	Portland Cement Concrete	47
1030	Hot-Mix Asphalt	48
1061	Waterproofing Membrane System	
1067	Luminaire	
1097	Reflectors	57

RECURRING SPECIAL PROVISIONS

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

CHEC	CK SH	<u>IEET#</u>	PAGE NO
1		Additional State Requirements for Federal-Aid Construction Contracts	59
2		Subletting of Contracts (Federal-Aid Contracts)	62
3	Χ	EEO	
4	Χ	Specific EEO Responsibilities Non Federal-Aid Contracts	73
5	Χ	Required Provisions - State Contracts	78
6		Asbestos Bearing Pad Removal	
7		Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	
8		Temporary Stream Crossings and In-Stream Work Pads	
9		Construction Layout Stakes	
10		Use of Geotextile Fabric for Railroad Crossing	
11		Subsealing of Concrete Pavements	92
12		Hot-Mix Asphalt Surface Correction	
13		Pavement and Shoulder Resurfacing	
14		Patching with Hot-Mix Asphalt Overlay Removal	99
15		Polymer Concrete	
16		Reserved	103
17		Bicycle Racks	104
18		Temporary Portable Bridge Traffic Signals	106
19		Nighttime Inspection of Roadway Lighting	
20		English Substitution of Metric Bolts	109
21		Calcium Chloride Accelerator for Portland Cement Concrete	110
22		Quality Control of Concrete Mixtures at the Plant	111
23		Quality Control/Quality Assurance of Concrete Mixtures	119
24		Reserved	135
25		Reserved	136
26		Temporary Raised Pavement Markers	
27		Restoring Bridge Approach Pavements Using High-Density Foam	
28		Portland Cement Concrete Inlay or Overlay	141
29		Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	
30		Longitudinal Joint and Crack Patching	148
31		Concrete Mix Design – Department Provided	150
32		Station Numbers in Pavements or Overlays	151

TABLE OF CONTENTS

LOCATION OF PROJECT	1
DESCRIPTION OF PROJECT	1
START DATE	3
COMPLETION DATE PLUS WORKING DAYS	3
PROSECUTION OF WORK	3
QUANTITIES	4
TRAFFIC CONTROL PLAN AND PROTECTION	4
KEEPING ROAD OPEN TO TRAFFIC	5
SEEDING AND MULCHING	5
CONTRACTOR RESPONSIBILITY	5
STATUS OF UTILITIES	6
TREE REMOVAL, SPECIAL	6
CEMENT, TYPE IL (BDE)	11
COMPENSABLE DELAY COSTS (BDE)	11
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)	14
ILLINOIS WORKS APPRENTICESHIP INITIATIVE – STATE FUNDED CONTRACTS (BDE))23
REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)	23
SEEDING (BDE)	25
SHORT TERM AND TEMPORARY PAVEMENT MARKINGS (BDE)	
SPEED DISPLAY TRAILER (BDE)	33
SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)	34
SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)	35
SUBMISSION OF PAYROLL RECORDS (BDE)	35
TRAFFIC SPOTTERS (BDE)	36
VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)	37
WEEKLY DBE TRUCKING REPORTS (BDE)	38
WORK ZONE TRAFFIC CONTROL DEVICES (BDE)	38

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2022, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of Various Routes, Section 2025-1 Tree Removal, Various Counties, Contract No. 66P72 and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF PROJECT

The work to be done under this contract will be performed on State-maintained routes in Bureau, Ford, Iroquois, Kankakee, Kendall, LaSalle, and Grundy Counties. The operation will be performed within IDOT right-of-way.

DESCRIPTION OF PROJECT

This project consists of the removal and proper disposal of 60 medium trees (6-15 inches in diameter) and 89 large trees (greater than 15 inches in diameter). Tree locations are as follows:

- Bureau County
 - I-80 WB, Great Sauk Trail Rest Area (~MM 51)
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 2 (~91" Total Diameter)
 - US RT 6/US 34, Near the City of Princeton, IL
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 3 (~138" Total Diameter)
 - US RT 6, NW Corner of US 6 and Old North Road
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 7 (~163" Total Diameter)
 - US RT 29/IL 89, North of Ladd Road
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 2 (~54" Total Diameter)
 - IL RT 26. Between I-180 and IL26/IL29 (Hiawatha Pioneer Trail)
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 10 (~433" Total Diameter)
 - o IL RT 40, Approximate Address 202 IL 40 near Buda, IL
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 1 (~43" Total Diameter)
 - US RT 6, US 6 and Oak Street
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 2 (~48" Total Diameter)

- Ford County
 - o IL RT 116, N 1700 East Road to N 000 East Road
 - Medium Trees 30 (~286" Total Diameter)
 - Large Trees 20 (~376" Total Diameter)
- Iroquois County
 - I-57 SB, Main Line Station Rest Area (~MM 269)
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 1 (~18" Total Diameter)
 - o IL RT 49, Between County Road 2600 N and Vermillion County Line
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 2 (~79" Total Diameter)
- Kankakee County
 - o I-57 NB, Mile Marker 310
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 1 (~27" Total Diameter)
 - o US 45/US 52 (S. Schuyler Avenue), Stationary Road to River Road
 - Medium Trees 15 (~174" Total Diameter)
 - Large Trees 1 (~15" Total Diameter)
- Kendall County
 - o US RT 52, West of Roods Road
 - Medium Trees 7 (~90" Total Diameter)
 - Large Trees 14 (~284" Total Diameter)
- LaSalle County
 - o I-39 SB, Mile Marker 58.2
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 4 (~109" Total Diameter)
 - US RT 34, East of Earlville
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 1 (~36" Total Diameter)
 - o IL RT 71, Town of Cedar Point
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 1 (~52" Total Diameter)
- Grundy County
 - o I-80 WB, Three Rivers Rest Area, Mile Marker 118
 - Medium Trees 0 (~0" Total Diameter)
 - Large Trees 3 (~83" Total Diameter)
 - o I-80 EB, Three Rivers Rest Area, Mile Marker 117
 - Medium Trees 8 (~86" Total Diameter)
 - Large Trees 16 (~406" Total Diameter)

The work at each location consists primarily of:

- Traffic Control.
- Cutting and removal of identified trees.
- Disposal of trees including wood chips.
- Application of herbicide to cut stumps by an Illinois Licensed Pesticide Applicator/Operator.
- Removal of stumps as per the Engineer.
- Repair of any rutting caused by tree removal activities.

START DATE

Due to the potential presence of Threatened and Endangered Species (T&E), all tree removal is limited to occur between October 1, 2024, and March 31, 2025.

COMPLETION DATE PLUS WORKING DAYS

All work shall be completed by **March 31st, 2025**, plus an additional **five (5) working days** for any jobsite restoration and removing of any traffic control devices.

PROSECUTION OF WORK

This contract is to be completed as directed by the Engineer. The Engineer must be present during all work. Any work completed without the Engineer present will not be measured for payment.

In addition to the Engineer, the following materials and/or work shall be approved by the Roadside Management Specialist:

- Herbicide products
- Calibration of herbicide equipment
- Initial herbicide mixing and any additional herbicide mixing being completed by a different staff member
- Assessment of herbicide application coverage

A minimum of 48 hours prior to the start of work, the Contractor shall notify the following IDOT personnel in addition to the Resident Engineer:

Work in All Counties:

Andy Stahr, Roadside Management Specialist – 815-434-8445

Work in Bureau County:

Brady Chandler, Princeton Yard Operations Supervisor – 815-875-2287 Steve Faletti, Ladd Yard Operations Supervisor – 815-894-2800

Work in Ford County:

Kip Rutledge, Gibson City Yard Operations Supervisor – 217-784-5325

Work in Iroquois County:

Jay Keigher, Field Engineer – 815-698-2223 Duane Harwood, Watseka Yard Operations Supervisor – 815-432-2350

Work in Kankakee County:

Chris Salisbury, Kankakee Yard Operations Supervisor – 815-933-7532

Work in Kendall County:

Adam Rue, Yorkville Yard Operations Supervisor - 630-553-7337

Work in LaSalle County:

Dave Rennels, Field Engineer – 815-224-1800 Bill Turczyn, Ottawa Yard Operations Supervisor – 815-434-8437

Work in Grundy County:

Steve Niemann, Field Engineer - 815-942-0351

QUANTITIES

The quantities specified in this contract are estimated. Payment will be made only for the actual quantities completed. The Resident Engineer has the right to apply any excess plan quantities to alternative trees within the District.

Payment for work will be made in accordance with the items listed in the Summary of Quantities in the plans.

TRAFFIC CONTROL PLAN AND PROTECTION

All work as described and provided for under this contract shall be completed utilizing the traffic control and protection standards as shown on the plans.

The traffic control and protection standards shown on the plans shall be according to applicable portions of Section 701 of the Standard Specifications and will not be measured for payment as specified in Article 701.19 of the Standard Specifications.

Revise 701.19(a) to read as follows.

(a) Not Measured. Traffic control and protection required under Standards 701001, 701006, 701101, 701106, 701201, 701301, 701311, 701400, 701406, 701501, 701601, 701602, 701606, 701701 and 701901 will not be measured for payment.

If the Contractor elects to utilize a lane closure in above what is provided for, the lane closure shall be according to applicable traffic control standards for the type of roadway/lane being closed. The lane closure standard(s) shall be approved by the Resident Engineer/Technician prior to the furnishing and installation of any traffic control devices. Traffic control standards utilized will not be measured for payment.

<u>Basis of Payment</u>. This work will not be paid for separately but will be considered included with the various contract items.

KEEPING ROAD OPEN TO TRAFFIC

The road shall be kept open to traffic at all times. Equipment shall be parked off the pavement when loading or chipping removed tree material for disposal. If a lane closure is required, appropriate signs in accordance with Standard 701201, 701406, or 701501 shall be used. Arrow boards shall conform to Article 1106.02 of the Standard Specifications. Standards 701201, 701406, 701421, or 701501 shall be used for all shoulder operations.

The Contractor shall equip all machinery and vehicles with revolving or flashing amber lights, installed so the illumination is visible from all directions.

The median crossovers will generally not be available for Contractor use. It may be used only when both lanes adjacent to the median are closed. Under no conditions shall lanes open to traffic be crossed from a closed lane to access the median.

Parking of personal vehicles within the interstate right-of-way will be strictly prohibited. Parking of construction equipment within the right-of-way will be permitted only at locations approved by the Engineer.

SEEDING AND MULCHING

Areas disturbed by the contractor's equipment or work shall be seeded with Class 2A seed or other seed types as determined by the Engineer and meeting the applicable requirements of Section 250 of the Standard Specifications. Hand broadcasting of the seed, or other methods approved by the Engineer, will be allowed. Mulch, Method 1 per the applicable portions of Section 251 shall be applied to the seeded areas. This work shall be considered incidental, and no additional compensation will be allowed.

CONTRACTOR RESPONSIBILITY

The Contractor is hereby advised that there may be drainage structures, storm sewers, sign foundations, culverts, electrical conduits, and other existing objects within the immediate work limits of this project and that extreme care should be used when removing trees, stumps, or roots. The Contractor shall be held responsible for any damages to existing structures resulting from the operations of their equipment and employees. The Contractor shall, at their own expense, restore the damaged structures to a condition equal to that existing before damage was done by repairing, rebuilding, or replacing as directed by the Engineer.

Any damage to the right-of-way caused by the Contractor's operations shall be repaired and/or restored to the satisfaction of the Engineer.

No extra compensation will be permitted to the Contractor for compliance with the requirements specified herein.

STATUS OF UTILITIES

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

TREE REMOVAL, SPECIAL

Experience:

All work shall be performed by a Contractor with at least five (5) years of documented experience in tree removal activities along Highway sites and shall be able to demonstrate their knowledge in the field.

The Contractor shall observe and comply with all sections of the Illinois Pesticide Act, including licensing. The Contractor shall have had previous experience with the use of weed control chemicals. The Contractor shall have had at least one season's experience in the use of these chemicals in spraying highway rights-of-way or at least three seasons experience in their use in farm or custom spraying. Proof of this experience shall be submitted to the Resident Engineer at or prior to the pre-construction meeting.

At or prior to the pre-construction meeting, the Contractor shall furnish Illinois Pesticide ID Cards (signed and dated) to the Engineer as visual proof that all personnel on the job are licensed Applicators or Operators by the Illinois Department of Agriculture, Bureau of Environmental Programs under the provisions of the Illinois Pesticide Act. The Illinois Department of Agriculture Rights-of-Way and Aquatics categories will be required of the person on site supervising any Operators using pesticides. The Engineer shall record in the project records books the name and license number of each person. If the personnel on the job do not have the proper license, the job will be postponed until personnel who carry the proper license are on the job, with no extra working days awarded to the Contractor.

Materials:

HERBICIDE

The Contractor must have all chemicals inspected in their original unopened packaging by the IDOT District 3 Roadside Vegetation Management Specialist prior to beginning work. If any of the chemicals supplied are deemed non-compliant, the Contractor shall supply additional chemicals for inspection at no additional cost until all chemicals to be utilized on this project are deemed acceptable by the Engineer.

The Contractor shall submit a certification of analysis to the Engineer stating that the compounds of each proprietary product supplied is as specified. The certification of analyses shall be submitted to the Engineer five (5) business days prior to the required chemical inspection.

Spray mixture to be applied to *Lonicera* species (Honeysuckle) only:

Glyphosate, N-(phosphonomythyl) glycine, in the form of its isopropylamine salt 53.8% (AquaNeat or equal approved by the Engineer) shall be applied at sixty-four (64) ounces per gallon of spray mixture.

Lecithin, methyl esters of fatty acids, and alcohol ethoxylate 100% non-ionic, low foam penetrating surfactant, (Liberate or equal approved by the Engineer) shall be applied at a rate of thirty-two hundredths (0.32) of a liquid ounce of product per gallon of potable water.

Super concentrated, temporary, and nontoxic water-soluble blue spray pattern indicator (Super Signal Blue or equal approved by the Engineer) shall be added to the mix at a rate of one (1.0) ounce per gallon of spray mixture. Spray pattern indicators shall be formulated to provide visual evidence of where a spray application has been made, to dissipate with sunlight or moisture, and to not permanently stain vegetation, soil, or human skin.

This mixture shall be continuously agitated during spraying operations.

Spray mixture to be applied to species in the Fabaceae (Legume) plant family only:

Clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid, monoethanolamine salt 40.9% (Transline or equal approved by the Engineer) shall be applied at sixty-four (64) ounces per gallon of spray mixture.

Lecithin, methyl esters of fatty acids, and alcohol ethoxylate 100% non-ionic, low foam penetrating surfactant, (Liberate or equal approved by the Engineer) shall be applied at a rate of thirty-two hundredths (0.32) of a liquid ounce of product per gallon of potable water.

Super concentrated, temporary, and nontoxic water-soluble blue spray pattern indicator (Super Signal Blue or equal approved by the Engineer) shall be added to the mix at a rate of one-third (1.0) ounce per gallon of spray mixture. Spray pattern indicators shall be formulated to provide visual evidence of where a spray application has been made, to dissipate with sunlight or moisture, and to not permanently stain vegetation, soil, or human skin.

This mixture shall be continuously agitated during spraying operations.

Spray mixture to be applied to Osage Orange species (Maclura pomifera) only:

Triclopyr: 2-[(3,5,6-trichloro-2-pyridinyl)oxy] acetic acid, triethylamine salt 44.4% (Garlon 3A or equal approved by the Engineer) shall be applied at sixty-four (64) ounces per gallon of spray mixture.

Lecithin, methyl esters of fatty acids, and alcohol ethoxylate 100% non-ionic, low foam penetrating surfactant, (Liberate or equal approved by the Engineer) shall be applied at a rate of thirty-two hundredths (0.32) of a liquid ounce of product per gallon of potable water.

Super concentrated, temporary, and nontoxic water-soluble blue spray pattern indicator (Super Signal Blue or equal approved by the Engineer) shall be added to the mix at a rate of one (1.0) ounce per gallon of spray mixture. Spray pattern indicators shall be formulated to provide visual evidence of where a spray application has been made, to dissipate with sunlight or moisture, and to not permanently stain vegetation, soil, or human skin.

This mixture shall be continuously agitated during spraying operations.

Spray mixture to be applied to all other species:

Triclopyr: 2-[(3,5,6-trichloro-2-pyridinyl)oxy] acetic acid, butoxyethyl ester 60.45% (Garlon 4 Ultra or equal approved by the Engineer) shall be applied at thirty-five (35) ounces per gallon of spray mixture.

Basil Oil (JLB Oil Plus or equal approved by the Engineer) shall be applied at ninety-two and one-half (92.5) ounces per gallon of spray mixture.

Super concentrated, temporary, and nontoxic oil-soluble red spray pattern indicator (Bas-Oil Red or equal approved by the Engineer) shall be added to the mix at one-half (0.5) ounce per gallon of spray mixture. Spray pattern indicators shall be formulated to provide visual evidence of where a spray application has been made, to dissipate with sunlight or moisture, and to not permanently stain vegetation, soil, or human skin.

This mixture shall be continuously agitated during spraying operations.

All products are stated in liquid measure.

Potable water shall be used on the contract. No water will be allowed to be pumped from nearby creeks, ponds, or other bodies of water. The Contractor shall provide a list of source locations where the potable water will be obtained to the Engineer at or prior to the pre-construction conference. All proposed sources of water must be approved by the Engineer prior to mixing of herbicides.

The Contractor shall download the Material Safety Data Sheets for each herbicide, become familiar with the safety hazards, follow the handling & safety instructions, and provide this information to their field personnel.

Execution:

Target species have been field marked on the trunk with a pink spray-painted marking. If the Contractor finds any targeted specimen to be questionable as to whether it should remain or be removed, they shall contact the Engineer immediately.

REMOVAL

Remove targeted trees using hand-operated and/or mechanized equipment designed for the removal of trees. Unless otherwise approved by the Engineer, mechanical tree removal shall only occur under frozen and/or dry soil conditions to minimize rutting/pitting or other damage to the existing soils.

• FREE-STANDING TREES

Free-standing trees shall be cut flush with the ground, cut stumps shall be treated with an appropriate herbicide spray mixture immediately after cutting. Treat the cut area around the edge with herbicide so the cambium layer will take up the active ingredient.

• ENTANGLED FENCE-LINE TREES

Targeted trees that are enwrapped, have grown around, are within six inches (6") of fencing in a manner that will not allow the removal of the tree without significant damage to the fence or Contractor's equipment, shall be cut at a height just above the top of fence. Treat the top of the cut stump with an appropriate herbicide spray mixture immediately after cutting, treating the cut area around the edge with herbicide so the cambium layer will take up the active ingredient. In addition to treating the top of the cut stump, the Contractor shall implement two (2) frill treatment lines to the stump, one approximately two-thirds up the height of the stump and one approximately one-third up the height of the stump.

Stumps measuring up to 15" in diameter shall be left cut flush to the ground, stumps over 15" shall be removed per Section 201.04 of the Standard Specifications unless otherwise approved by the Engineer. If the Contractor is unwilling or unable to achieve a cut that is flush to the ground as deemed acceptable by the Engineer, all stumps shall require removal per Section 201.04 of the Standard Specifications regardless of size.

All cut-stumps that will not be ground to a 12" depth within eight (8) hours of cutting shall be treated with an appropriate herbicide spray mixture immediately after cutting. Treat the cut area around the edge with herbicide so the cambium layer will take up the active ingredient.

All herbicide applications shall be accomplished by utilizing wick or sponge-type applicators only. No herbicide applications shall be made with broadcast spray equipment unless approved by the Engineer. Herbicide application costs shall be considered incidental, and no additional compensation will be allowed.

Trees of Osage Orange shall be cut off as specified for all other tree species, pulling, or grubbing of Osage Orange trees shall not be allowed. (Modifies 201.04 of the Standard Specifications)

DISPOSAL

The collection and stockpiling of cuttings, logs, stumps, root material, sod, rubbish, surface debris, or other materials throughout construction shall not result in pitting, rutting or any other soil disturbances. Mechanized collection, transport, and stockpiling shall be permitted only under these conditions.

Stockpiling areas shall be as shown on plans or shall be determined by the Engineer using the following criteria:

- Does not impede traffic
- Does not cause a hazard to the motoring public
- Is no closer than fifteen (15) feet to any roadway with curb and/or functional guardrail
- Is no closer than thirty (30) feet to any roadway without curb and/or functional guardrail
- Ease of access
- Site lines (placement of piles shall not disrupt views from adjacent roads)
- Avoidance of wet areas
- Avoidance of native planting areas or cultural features

Stockpiling shall not be allowed in wetland areas.

Whenever possible, stockpiling shall occur in degraded areas.

All cuttings longer than two (2) feet in length and/or larger than one (1) inch in diameter shall be removed from the project site. Smaller cuttings and cutting debris that has been shredded or chipped using hand-held mechanical equipment may be left on site to decompose. Cuttings and cutting debris shall neither be allowed to accumulate to a depth that will smother existing desirable vegetation and prevent it from emerging, nor prevent good seed-to-soil contact in newly seeded areas (approximately one-half inch maximum depth).

Dispose of cuttings, logs, stumps, root material, sod, rubbish, surface debris, or other material off State property. Contractor shall provide documentation to the Engineer of disposal methods prior to final inspection. Disposal of cuttings and other materials shall be completed simultaneously with the initial tree removal operations. Disposal options for this work include:

• Hauling to Contractor Location(s)

The Contractor can either chip removed trees on-site and haul the chips away or haul whole cut trees and branches off site for appropriate disposal. This requires the Contractor to dispose of cut tree material at an off-site facility of their choosing.

Alternative disposal methods may be allowed at the Engineer's discretion, any alternative disposal methods shall be proposed by the Contractor at the pre-construction meeting. If alternative disposal methods are not approved, the Contractor shall dispose of materials as specified.

All disposal costs shall be considered incidental, and no additional compensation will be allowed.

SITE RESTORATION

The Contractor shall fill and smooth any ruts or other ground disturbance created by the tree removal operations, finished planting surface shall be free of clods, rocks, and other debris measuring two inches (2") or more in any dimension or as otherwise directed by the Engineer.

Disturbed areas shall be seeded and mulched within 48 hours of the disturbance, unless otherwise directed by the Engineer.

Restrictions:

Storage of materials shall be prohibited within environmentally sensitive areas as determined by the Engineer.

Without proper traffic control in place, staging of cut material shall not occur within fifteen feet (15') of any roadway with curb and/or functional guardrail nor within thirty feet (30') of any roadway without curb and/or functional guardrail.

Unless otherwise directed by the Engineer, cut material shall be disposed of the same day it is cut and work areas shall be cleaned at the end of each day. Stockpiles shall not be allowed to remain on-site overnight.

Method of Measurement:

This work will be measured for payment in Unit Diameter as per Section 201.10 (b) (1) of the Standard Specifications.

The exact trees to be removed will be determined in the field by the Engineer, and the quantities will be adjusted accordingly.

Basis of Payment:

This work will be paid for at the contract unit price per unit diameter for TREE REMOVAL (6 TO 15 UNITS DIAMETER) or TREE REMOVAL (OVER 15 UNITS DIAMETER).

CEMENT, TYPE IL (BDE)

Effective: August 1, 2023

Add the following to Article 302.02 of the Standard Specifications:

Revise Note 2 of Article 352.02 of the Standard Specifications to read:

"Note 2. Either Type I or Type IA portland cement or Type IL portland-limestone cement shall be used."

Revise Note 1 of Article 404.02 of the Standard Specifications to read:

"Note 1. The cement shall be Type I portland cement or Type IL portland-limestone cement."

Revise Article 1019.02(a) of the Standard Specifications to read:

"(a) Cement, Type I or IL1001"

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."

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000 Revised: March 2, 2019

<u>FEDERAL OBLIGATION</u>. 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 by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

<u>CONTRACTOR ASSURANCE</u>. The Contractor makes the following assurance and agrees to include the assurance in each subcontract the Contractor signs with a subcontractor.

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 contracts funded in whole or in part with federal or state funds. 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:

- (a) Withholding progress payments;
- (b) Assessing sanctions;
- (c) Liquidated damages; and/or
- (d) Disqualifying the Contractor from future bidding as non-responsible.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates, in the absence of unlawful discrimination and in an arena of fair and open competition, DBE companies can be expected to perform **0.00**% 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. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

- (a) The bidder documents enough DBE participation has been obtained to meet the goal or,
- (b) The bidder documents a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

<u>DBE LOCATOR REFERENCES</u>. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217) 785-4611, or by visiting the Department's website at:

http://www.idot.illinois.gov/doing-business/certifications/disadvantaged-business-enterprise-certification/il-ucp-directory/index.

<u>BIDDING PROCEDURES</u>. Compliance with this Special Provision is a material bidding requirement and failure of the bidder to comply will render the bid not responsive.

The bidder shall submit a DBE Utilization Plan (form SBE 2026), and a DBE Participation Statement (form SBE 2025) for each DBE company proposed for the performance of work to achieve the contract goal, with the bid. If the Utilization Plan indicates the contract goal will not be met, documentation of good faith efforts shall also be submitted. The documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor is selected over a DBE for work on the contract. The required forms and documentation must 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 Utilization Plan if it does not meet the bidding procedures set forth herein and the bid will be declared not responsive. In the event the bid is declared not 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.

GOOD FAITH EFFORT PROCEDURES. 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 enough DBE participation has been obtained or document the good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will 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 bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. This means the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts the bidder has made. Mere pro forma efforts, in other words efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other

factors or efforts brought to the attention of the Department may be relevant in appropriate cases and will be considered by the Department.

- (1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
- (2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces.
- (3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.
 - b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable. In accordance with the above Bidding Procedures, the documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract.
- (5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

- (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
- (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
- (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- (b) If the Department determines the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided it is otherwise eligible for award. If the Department determines the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification will also include a statement of reasons for the adverse determination. If the Utilization Plan is not approved because it is deficient as a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no more than a five calendar day period to cure the deficiency.
- (c) The bidder may request administrative reconsideration of an adverse determination by emailing the Department at "DOT.DBE.UP@illinois.gov" within the five calendar days after the receipt of the notification of the determination. The determination shall become final if a request is not made on or before the fifth calendar day. A request may provide additional written documentation or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be reviewed by the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer. the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

<u>CALCULATING DBE PARTICIPATION</u>. The Utilization Plan values represent work anticipated to be performed 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 companies. 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 counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

- (a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.
- (b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.
- (c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.
- (d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:
 - (1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
 - (2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission is receives as a result of the lease arrangement.
- (e) DBE as a material supplier:
 - (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
 - (2) 100 percent goal credit for the cost of materials of supplies obtained from a DBE manufacturer.
 - (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a DBE regular dealer or DBE manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. 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 goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE

shall be performed, managed, and supervised by the DBE executing the DBE Participation Commitment Statement.

- (a) <u>NO AMENDMENT</u>. No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be emailed to the Department at <u>DOT.DBE.UP@illinois.gov</u>.
- (b) <u>CHANGES TO WORK</u>. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A or AER 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, a new Request for Approval of Subcontractor will not be required. However, the Contractor must document efforts to assure the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.
- (c) <u>SUBCONTRACT</u>. The Contractor must provide copies of 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.
- (d) <u>ALTERNATIVE WORK METHODS</u>. In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractorinitiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:
 - (1) The replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or
 - (2) The DBE is aware its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or
 - (3) The DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.
- (e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in this Special Provision. The Contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the Contractor obtains the Department's written consent as provided in subsection (a) of this part. Unless Department consent is provided

for termination of a DBE subcontractor, the Contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the DBE in the Utilization Plan.

As stated above, the Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

- (1) The listed DBE subcontractor fails or refuses to execute a written contract;
- (2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the Contractor;
- (3) The listed DBE subcontractor fails or refuses to meet the Contractor's reasonable, nondiscriminatory bond requirements;
- (4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
- (5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1200 or applicable state law.
- (6) The Contractor has determined the listed DBE subcontractor is not a responsible contractor;
- (7) The listed DBE subcontractor voluntarily withdraws from the projects and provides written notice to the Contractor of its withdrawal;
- (8) The listed DBE is ineligible to receive DBE credit for the type of work required;
- (9) A DBE owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract;

- (10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the Contractor can self-perform the work for which the DBE contractor was engaged or so that the Contractor can substitute another DBE or non-DBE contractor after contract award.
 - When a DBE is terminated or fails to complete its work on the Contract for any reason, the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal. The good faith efforts shall be documented by the Contractor. If the Department requests documentation under this provision, the Contractor shall submit the documentation within seven days, which may be extended for an additional seven days if necessary at the request of the Contractor. The Department will provide a written determination to the Contractor stating whether or not good faith efforts have been demonstrated.
- (f) FINAL PAYMENT. After the performance of the final item of work or delivery of material by a DBE and final payment therefore 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 on Department form SBE 2115 to the Resident Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes the work has not been satisfactorily completed. 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. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.
- (g) <u>ENFORCEMENT</u>. 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.
- (h) <u>RECONSIDERATION</u>. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department. The result of the reconsideration process is not administratively appealable to the U.S. Department of Transportation.

ILLINOIS WORKS APPRENTICESHIP INITIATIVE - STATE FUNDED CONTRACTS (BDE)

Effective: June 2, 2021 Revised: April 2, 2024

Illinois Works Jobs Program Act (30 ILCS 559/20-1 et seq.). For contracts having an awarded contract value of \$500,000 or more, the Contractor shall comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules. The goal of the Illinois Apprenticeship Works Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. Of this goal, at least 50% of the labor hours of each prevailing wage classification performed by apprentices shall be performed by graduates of the Illinois Works Pre-Apprenticeship Program, the Illinois Climate Works Pre-Apprenticeship Program, or the Highway Construction Careers Training Program.

The Contractor may seek from the Department of Commerce and Economic Opportunity (DCEO) a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Contractor shall ensure compliance during the term of the contract and will be required to report on and certify its compliance. An apprentice use plan, apprentice hours, and a compliance certification shall be submitted to the Engineer on forms provided by the Department and/or DCEO.

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 (RSMDR)"."

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 III. 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 Methods 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."

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	- Туре	Seeds	lb/acre (kg/hectare)		
1	Lawn Mixture 1/	Kentucky Bluegrass	100 (110)		
		Perennial Ryegrass	60 (70)		
		Festuca rubra ssp. rubra (Creeping Red Fescue)	40 (50)		
1A	Salt Tolerant	Kentucky Bluegrass	60 (70)		
	Lawn Mixture 1/	Perennial Ryegrass	20 (20)		
		Festuca rubra ssp. rubra (Creeping Red Fescue)	20 (20)		
		Festuca brevipilla (Hard Fescue)	20 (20)		
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)		
1B	Low Maintenance	Turf-Type Fine Fescue 3/	150 (170)		
	Lawn Mixture 1/	Perennial Ryegrass	20 (20)		
		Red Top	10 (10)		
		Festuca rubra ssp. rubra (Creeping Red Fescue)	20 (20)		
2	Roadside Mixture 1/	Lolium arundinaceum (Tall Fescue)	100 (110)		
		Perennial Ryegrass	50 (55)		
		Festuca rubra ssp. rubra (Creeping Red Fescue) Red Top	40 (50) 10 (10)		
	0 11 7 1	•			
2A	Salt Tolerant	Lolium arundinaceum (Tall Fescue)	60 (70)		
	Roadside Mixture 1/	Perennial Ryegrass	20 (20) 30 (20)		
		Festuca rubra ssp. rubra (Creeping Red Fescue)	30 (20)		
		Festuca brevipila (Hard Fescue)			
	N. (1. 10)	Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	60 (70)		
3	Northern Illinois	Elymus canadensis	5 (5)		
	Slope Mixture 1/	(Canada Wild Rye) 5/	20 (20)		
		Perennial Ryegrass Alsike Clover 4/	20 (20) 5 (5)		
		Desmanthus illinoensis	2 (2)		
		(Illinois Bundleflower) 4/ 5/	2 (2)		
		Schizachyrium scoparium	12 (12)		
		(Little Bluestem) 5/	()		
		Boùteloua curtipendula	10 (10)		
		(Side-Oats Grama) 5/			
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	30 (35)		
		Oats, Spring	50 (55)		
		Slender Wheat Grass 5/	15 (15)		
		Buffalo Grass 5/ 7/	5 (5)		
3A	Southern Illinois	Perennial Ryegrass	20 (20)		
	Slope Mixture 1/	Elymus canadensis	20 (20)		
		(Canada Wild Rye) 5/	10 (10)		
		Panicum virgatum (Switchgrass) 5/	10 (10)		
		Schizachyrium scoparium (Little Blue Stem) 5/	12 (12)		
		Bouteloua curtipendula	10 (10)		
		(Side-Oats Grama) 5/	10 (10)		
		Dalea candida	5 (5)		
		(White Prairie Clover) 4/ 5/	- (-)		
		Rudbeckia hirta (Black-Éyed Susan) 5/	5 (5)		
		Oats, Spring	50 (55)		

Class	s – Туре	Seeds	lb/acre (kg/hectare)
4	Native Grass 2/6/	Andropogon gerardi	4 (4)
		(Big Blue Stem) 5/	F (F)
		Schizachyrium scoparium	5 (5)
		(Little Blue Stem) 5/ Bouteloua curtipendula	5 (5)
		(Side-Oats Grama) 5/	3 (3)
		Elymus canadensis	1 (1)
		(Canada Wild Rye) 5/	. (.)
		Panicum virgatum (Switch Grass) 5/	1 (1)
		Sorghastrum nutans (Indian Grass) 5/	2 (2)
		Annual Ryegrass	25 (25)
		Oats, Spring	25 (25)
		Perennial Ryegrass	15 (15)
4A	Low Profile	Schizachyrium scoparium	5 (5)
	Native Grass 2/ 6/	(Little Blue Stem) 5/	
		Bouteloua curtipendula	5 (5)
		(Side-Oats Grama) 5/	
		Elymus canadensis	1 (1)
		(Canada Wild Rye) 5/	0.5 (0.5)
		Sporobolus heterolepis	0.5 (0.5)
		(Prairie Dropseed) 5/ Annual Ryegrass	35 (35)
		Oats, Spring	25 (25) 25 (25)
		Perennial Ryegrass	15 (15)
4B	Wetland Grass and	Annual Ryegrass	25 (25)
	Sedge Mixture 2/ 6/	Oats, Spring	25 (25)
	J	Wetland Grasses (species below) 5/	6 (6)
	Species:		% By Weight
		ndensis (Blue Joint Grass)	70 By Weight 12
	Carex lacustris (Lak		6
	Carex slipata (Awl-F		6
	Carex stricta (Tusso	G ,	6
	Carex vulpinoidea (6
	Eleocharis aciculari	s (Needle Spike Rush)	3
	Eleocharis obtusa (l		3
	Glyceria striata (Fo		14
	Juncus effusus (Co		6
	Juncus tenuis (Slender Rush)		6
	Juncus torreyi (Torr		6
	Leersia oryzoides (F		10
	Scirpus acutus (Hai Scirpus atrovirens (rd-Stemmed Bulrush)	3 3
		park Green Rush) iatilis (River Bulrush)	3
		pernaemontani (Softstem Bulrush)	3
		omaomontam (Oottotom Danaom)	0

Class – T	^Т уре	Seeds	lb/acre (kg/hectare
5 F	orb with	Annuals Mixture (Below)	1 (1)
Α	nnuals Mixture 2/ 5/ 6/	Forb Mixture (Below)	10 (10)
,		re not exceeding 25 % by weight of	
	any on	e species, of the following:	
	Coreopsis lanceolata		
	Leucanthemum maxii		
	Gaillardia pulchella (E		
	Ratibida columnifera		
	Rudbeckia hirta (Blac	k-Eyed Susan)	
ļ		not exceeding 5 % by weight PLS of	
	any one s	pecies, of the following:	
	Amorpha canescens		
	Anemone cylindrica (
	Asclepias tuberosa (E		
	Aster azureus (Sky Bl	ue Aster)	
	Symphyotrichum leav		
	Aster novae-angliae (
	Baptisia leucantha (W		
	Coreopsis palmata (P		
		le Purple Coneflower)	
	Eryngium yuccifolium		
	Helianthus mollis (Do		
	Heliopsis helianthoide		
	Liatris aspera (Rough	Blazing Star)	
	Liatris pycnostachya (
	Monarda fistulosa (Pr		
	Parthenium integrifoli		
	Dalea candida (White		
	Dalea purpurea (Purp		
		a (False Dragonhead)	
	Potentilla arguta (Prai		
	Ratibida pinnata (Yell		
		tosa (Fragrant Coneflower)	
	Silphium laciniatum (0		
	Silphium terebinthina		
	Oligoneuron rigidum (
	Tradescantia ohiensis		
	Veronicastrum virgini	cum (Culver's Root)	

Class -	– Туре	Seeds	lb/acre (kg/hectare)	
5A	Large Flower Native Forb Mixture 2/ 5/ 6		5 (5)	
	Species:		% By Weight	
		ıliae (New England Aster)	5	
		la (Pale Purple Coneflower)	10	
	Helianthus mollis	10		
	Heliopsis heliant		10	
		chya (Prairie Blazing Star)	10	
		(Yellow Coneflower)	5	
		(Black-Eyed Susan)	10	
		tum (Compass Plant)	10	
		thinaceum (Prairie Dock) dum (Rigid Goldenrod)	20 10	
5B	Wetland Forb 2/ 5/6	· -	2 (2)	
	Species:		% By Weight	
	Acorus calamus		3	
		purea (Angelica)	6	
		ata (Swamp Milkweed)	2	
		Purple Stemmed Aster)	10	
	Bidens cernua (E		7 7	
		Eutrochium maculatum (Spotted Joe Pye Weed) Eupatorium perfoliatum (Boneset)		
		7 2		
		enale (Autumn Sneeze Weed) evei (Blue Flag Iris)	2	
	Lobelia cardinali	5		
	Lobelia siphilitica	5		
	Lythrum alatum	2		
	Physostegia virg	5		
	Persicaria pensy	10		
	Persicaria lapath	10		
	Pychanthemum	5		
Rudbeckia laciniata (Cut-le: Oligoneuron riddellii (Ridde			5	
			2	
		ycarpum (Giant Burreed)	5	
6	Conservation Mixture 2/ 6/	Schizachyrium scoparium (Little Blue Stem) 5/	5 (5)	
		Elymus canadensis	2 (2)	
		(Canada Wild Rye) 5/	F (F)	
		Buffalo Grass 5/ 7/	5 (5)	
		Vernal Alfalfa 4/ Oats, Spring	15 (15) 48 (55)	
6A	Salt Tolerant	Schizachyrium scoparium	5 (5)	
<i>5,</i> (Conservation	(Little Blue Stem) 5/	J (J)	
	Mixture 2/ 6/	Elymus canadensis	2 (2)	
		(Canada Wild Rye) 5/	(/	
		Buffalo Grass 5/ 7/	5 (5)	
		Vernal Alfalfa 4/	15 (15)	
		Oats, Spring	48 (55)	
		Puccinellia distans (Fults Saltgrass or Salty Alkaligrass)	20 (20)	
7	Temporary Turf	Perennial Ryegrass	50 (55)	
	Cover Mixture	Oats, Spring	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 KNO₃ 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."

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 Standa	ard 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 ± 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.

Х	0.490	0.475	0.485	0.530
У	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∟				
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) ^{1/} 20 (0.51) ^{2/}	65 (1.65) ^{1/} 20 (0.51) ^{2/}
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."

SPEED DISPLAY TRAILER (BDE)

Effective: April 2, 2014 Revised: January 1, 2022

Revise the last paragraph of Article 701.11 of the Standard Specifications to read:

"When not being utilized to inform and direct traffic, sign trailers, speed display trailers, arrow boards, and portable changeable message boards shall be treated as nonoperating equipment."

Add the following to Article 701.15 of the Standard Specifications:

"(m) Speed Display Trailer. A speed display trailer is used to enhance safety of the traveling public and workers in work zones by alerting drivers of their speed, thus deterring them from driving above the posted work zone speed limit."

Add the following to Article 701.20 of the Standard Specifications:

"(k) When speed display trailers are shown on the Standard, this work will not be paid for separately but shall be considered as included in the cost of the Standard.

For all other speed display trailers, this work will be paid for at the contract unit price per calendar month or fraction thereof for each trailer as SPEED DISPLAY TRAILER."

Add the following to Article 1106.02 of the Standard Specifications:

"(o) Speed Display Trailer. The speed display trailer shall consist of a LED speed indicator display with self-contained, one-direction radar mounted on an orange see-through trailer. The height of the display and radar shall be such that it will function and be visible when located behind concrete barrier.

The speed measurement shall be by radar and provide a minimum detection distance of 1000 ft (300 m). The radar shall have an accuracy of ±1 mile per hour.

The speed indicator display shall face approaching traffic and shall have a sign legend of "YOUR SPEED" immediately above or below the speed display. The sign letters shall be between 5 and 8 in. (125 and 200 mm) in height. The digital speed display shall show two digits (00 to 99) in mph. The color of the changeable message legend shall be a yellow legend on a black background. The minimum height of the numerals shall be 18 in. (450 mm), and the nominal legibility distance shall be at least 750 ft (250 m).

The speed indicator display shall be equipped with a violation alert that flashes the displayed detected speed when the work zone posted speed limit is exceeded. The speed indicator shall have a maximum speed cutoff. On roadway facilities with a normal posted speed limit greater than or equal to 45 mph, the detected speeds of vehicles traveling more than 25 mph over the work zone speed limit shall not be displayed. On facilities with normal posted speed limit of less than 45 mph, the detected speeds of vehicles traveling more than 15 mph over the work zone speeds limit shall not be displayed. On any roadway facility if detected speeds are less than 25 mph, they shall not be displayed. The display shall include automatic dimming for nighttime operation.

The speed indicator measurement and display functions shall be equipped with the power supply capable of providing 24 hours of uninterrupted service."

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."

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%"	

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021 Revised: November 2, 2023

<u>FEDERAL AID CONTRACTS</u>. 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."

<u>STATE CONTRACTS</u>. 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 15th 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."

TRAFFIC SPOTTERS (BDE)

Effective: January 1, 2019

Revise Article 701.13 of the Standard Specifications to read:

"701.13 Flaggers and Spotters. Flaggers shall be certified by an agency approved by the Department. While on the job site, each flagger shall have in his/her possession a current driver's license and a current flagger certification I.D. card. For non-drivers, the Illinois Identification Card issued by the Secretary of State will meet the requirement for a current driver's license. This certification requirement may be waived by the Engineer for emergency situations that arise due to actions beyond the Contractor's control where flagging is needed to maintain safe traffic control on a temporary basis. Spotters are defined as certified flaggers that provide support to workers by monitoring traffic.

Flaggers and spotters shall be stationed to the satisfaction of the Engineer and be equipped with a fluorescent orange, fluorescent yellow/green, or a combination of fluorescent orange and fluorescent yellow/green vest meeting the requirements of ANSI/ISEA 107-2004 or ANSI/ISEA 107-2010 for Conspicuity Class 2 garments. Flaggers shall be equipped with a stop/slow traffic control sign. Spotters shall be equipped with a loud warning device. The warning sound shall be identifiable by workers so they can take evasive action when necessary. Other types of garments may be substituted for the vest as long as the garments have a manufacturer's tag identifying them as meeting the ANSI Class 2 requirement. The longitudinal placement of the flagger may be increased up to 100 ft (30 m) from that shown on the plans to improve the visibility of the flagger. Flaggers shall not encroach on the open lane of traffic unless traffic has been stopped. Spotters shall not encroach on the open lane of traffic, nor interact with or control the flow of traffic.

For nighttime flagging, flaggers shall be illuminated by an overhead light source providing a minimum vertical illuminance of 10 fc (108 lux) measured 1 ft (300 mm) out from the flagger's chest. The bottom of any luminaire shall be a minimum of 10 ft (3 m) above the pavement. Luminaire(s) shall be shielded to minimize glare to approaching traffic and trespass light to adjoining properties. Nighttime flaggers shall be equipped with fluorescent orange or fluorescent orange and fluorescent yellow/green apparel meeting the requirements of ANSI/ISEA 107-2004 or ANSI/ISEA 107-2010 for Conspicuity Class 3 garments.

Flaggers and spotters shall be provided per the traffic control plan and as follows.

(a) Two-Lane Highways. Two flaggers will be required for each separate operation where two-way traffic is maintained over one lane of pavement. Work operations controlled by flaggers shall be no more than 1 mile (1600 m) in length. Flaggers shall be in sight of each other or in direct communication at all times. Direct communication shall be obtained by using portable two-way radios or walkie-talkies.

The Engineer will determine when a side road or entrance shall be closed to traffic. A flagger will be required at each side road or entrance remaining open to traffic within the operation where two-way traffic is maintained on one lane of pavement. The flagger shall be positioned as shown on the plans or as directed by the Engineer.

(b) Multi-Lane Highways. At all times where traffic is restricted to less than the normal number of lanes on a multilane pavement with a posted speed limit greater than 40 mph and the workers are present, but not separated from the traffic by physical barriers, a flagger or spotter shall be furnished as shown on the plans. Flaggers shall warn and direct traffic. Spotters shall monitor traffic conditions and warn workers of errant approaching vehicles or other hazardous conditions as they occur. One flagger will be required for each separate activity of an operation that requires frequent encroachment in a lane open to traffic. One spotter will be required for each separate activity with workers near the edge of the open lane or with their backs facing traffic.

Flaggers will not be required when no work is being performed, unless there is a lane closure on two-lane, two-way pavement."

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."

WEEKLY DBE TRUCKING REPORTS (BDE)

Effective: June 2, 2012 Revised: November 1, 2021

The Contractor shall submit a weekly report of Disadvantaged Business Enterprise (DBE) trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) that are used for DBE goal credit.

The report shall be submitted 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.

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports1106.02"

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

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

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

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

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

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

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

manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

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

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

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

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

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

- "(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.
- (k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department's qualified product list.
 - Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.
- (I) 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."

REVISIONS TO THE ILLINOIS PREVAILING WAGE RATES

The Prevailing rates of wages are included in the Contract proposals which are subject to Check Sheet #5 of the Supplemental Specifications and Recurring Special Provisions. The rates have been ascertained and certified by the Illinois Department of Labor for the locality in which the work is to be performed and for each craft or type of work or mechanic needed to execute the work of the Contract. As required by Prevailing Wage Act (820 ILCS 130/0.01, et seq.) and Check Sheet #5 of the Contract, not less than the rates of wages ascertained by the Illinois Department of Labor and as revised during the performance of a Contract shall be paid to all laborers, workers and mechanics performing work under the Contract. Post the scale of wages in a prominent and easily accessible place at the site of work.

If the Illinois Department of Labor revises the prevailing rates of wages to be paid as listed in the specification of rates, the contractor shall post the revised rates of wages and shall pay not less than the revised rates of wages. Current wage rate information shall be obtained by visiting the Illinois Department of Labor web site at http://www.state.il.us/agency/idol/ or by calling 312-793-2814. It is the responsibility of the contractor to review the rates applicable to the work of the contract at regular intervals in order to insure the timely payment of current rates. Provision of this information to the contractor by means of the Illinois Department of Labor web site satisfies the notification of revisions by the Department to the contractor pursuant to the Act, and the contractor agrees that no additional notice is required. The contractor shall notify each of its subcontractors of the revised rates of wages.