

142

November 7, 2025 Letting

Notice to Bidders, Specifications and Proposal



**Contract No. 87843
DEKALB County
Section 21-P4006-03-BT
Route GREAT WESTERN TRAIL
District 3 Construction Funds**

Prepared by

S

Checked by

(Printed by authority of the State of Illinois)



NOTICE TO BIDDERS

- 1. TIME AND PLACE OF OPENING BIDS.** Electronic bids are to be submitted to the electronic bidding system (iCX-Integrated Contractors Exchange). All bids must be submitted to the iCX system prior to 12:00 p.m. November 7, 2025 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. 87843
DEKALB County
Section 21-P4006-03-BT
Route GREAT WESTERN TRAIL
District 3 Construction Funds**

Construction of HMA multi-use trail from Old Mill Park to Pleasant Street in Sycamore. Includes a prefabricated pedestrian bridge with boardwalk and concrete approach pavement, storm sewer, and signage.

- 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

Gia Biagi,
Secretary

CONTRACT 87843

INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2025

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

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

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
202 Earth and Rock Excavation	1
204 Borrow and Furnished Excavation.....	2
207 Porous Granular Embankment	3
211 Topsoil and Compost	4
406 Hot-Mix Asphalt Binder and Surface Course	5
407 Hot-Mix Asphalt Pavement (Full-Depth)	7
420 Portland Cement Concrete Pavement	8
502 Excavation for Structures	9
509 Metal Railings	10
540 Box Culverts	11
542 Pipe Culverts	31
550 Storm Sewers	40
586 Granular Backfill for Structures	47
630 Steel Plate Beam Guardrail	48
632 Guardrail and Cable Road Guard Removal	49
644 High Tension Cable Median Barrier	50
665 Woven Wire Fence	51
701 Work Zone Traffic Control and Protection	52
781 Raised Reflective Pavement Markers	54
782 Reflectors	55
801 Electrical Requirements	57
821 Roadway Luminaires	60
1003 Fine Aggregates	61
1004 Coarse Aggregates	62
1010 Finely Divided Minerals	63
1020 Portland Cement Concrete	64
1030 Hot-Mix Asphalt	67
1040 Drain Pipe, Tile, and Wall Drain	68
1061 Waterproofing Membrane System	69
1067 Luminaire	70
1097 Reflectors	77
1102 Hot-Mix Asphalt Equipment	78

RECURRING SPECIAL PROVISIONS

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

<u>CHECK SHEET #</u>		<u>PAGE NO.</u>
1	☒ Additional State Requirements for Federal-Aid Construction Contracts	79
2	☒ Subletting of Contracts (Federal-Aid Contracts)	82
3	☒ EEO	83
4	☐ Specific EEO Responsibilities Non Federal-Aid Contracts	93
5	☐ Required Provisions - State Contracts	98
6	☐ Asbestos Bearing Pad Removal	104
7	☐ Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	105
8	☐ Temporary Stream Crossings and In-Stream Work Pads	106
9	☐ Construction Layout Stakes	107
10	☐ Use of Geotextile Fabric for Railroad Crossing	110
11	☐ Subsealing of Concrete Pavements	112
12	☐ Hot-Mix Asphalt Surface Correction	116
13	☐ Pavement and Shoulder Resurfacing	118
14	☒ Patching with Hot-Mix Asphalt Overlay Removal	119
15	☐ Polymer Concrete	121
16	Reserved	123
17	☐ Bicycle Racks	124
18	☐ Temporary Portable Bridge Traffic Signals	126
19	☐ Nighttime Inspection of Roadway Lighting	128
20	☐ English Substitution of Metric Bolts	129
21	☐ Calcium Chloride Accelerator for Portland Cement Concrete	130
22	☐ Quality Control of Concrete Mixtures at the Plant	131
23	☒ Quality Control/Quality Assurance of Concrete Mixtures	139
24	Reserved	155
25	Reserved	156
26	☐ Temporary Raised Pavement Markers	157
27	☐ Restoring Bridge Approach Pavements Using High-Density Foam	158
28	☐ Portland Cement Concrete Inlay or Overlay	161
29	☐ Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	165
30	☐ Longitudinal Joint and Crack Patching	168
31	☐ Concrete Mix Design – Department Provided	170
32	☐ Station Numbers in Pavements or Overlays	171

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Table of Contents

<u>CHECK SHEET #</u>			<u>PAGE NO.</u>
LRS 1		Reserved	173
LRS 2	☒	Furnished Excavation	174
LRS 3	☒	Work Zone Traffic Control Surveillance	175
LRS 4	☒	Flaggers in Work Zones	176
LRS 5	☐	Contract Claims	177
LRS 6	☐	Bidding Requirements and Conditions for Contract Proposals	178
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	184
LRS 8		Reserved	190
LRS 9	☐	Bituminous Surface Treatments	191
LRS 10		Reserved	195
LRS 11	☐	Employment Practices	196
LRS 12	☐	Wages of Employees on Public Works	198
LRS 13	☐	Selection of Labor	200
LRS 14	☐	Paving Brick and Concrete Paver Pavements and Sidewalks	201
LRS 15	☐	Partial Payments	204
LRS 16	☐	Protests on Local Lettings	205
LRS 17	☐	Substance Abuse Prevention Program	206
LRS 18	☐	Multigrade Cold Mix Asphalt	207
LRS 19	☐	Reflective Crack Control Treatment	208

INDEX OF SPECIAL PROVISIONS

<u>Item</u>	<u>Page</u>
Location of Project	1
Description of Project	1
Site Access	2
Sequence of Construction	2
Permits	2
IDOT Bureau of Bridges and Structures Note	3
Wetland Areas	3
Available Reports	5
Traffic Control Plan	6
Vehicle Parking	6
Storm Sewer (Water Main Requirements)	7
Granular Materials	7
Construction Layout (Special)	8
Stabilized Construction Entrance	10
Sawcutting	11
Fold Down Bollards	11
Pavement Removal	11
Hot-Mix Asphalt Surface Course	12
Boardwalk Structure	13
Biaxial Geogrid	15
Removal and Disposal of Unsuitable Material	16
Chain Link Fence Removal (Special)	16
Clearing & Grubbing	17
Tree Removal (Of the Diameter Specified)	18
Rodent Shields	18
Sanitary Manholes to be Adjusted	19
Manholes, Sanitary, 5'-Diameter, Type 1 Frame, Closed Lid	19
Washout Basin	19
Remove and Relocate Sign Panel and Pole Assembly	21
Concrete Removal	21
Soil Boring Logs	22
Stormwater Pollution Prevention Plan	35
LPC-663	42
LR107-4	63
LR1030-2	64

BDE SPECIAL PROVISIONS

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

<u>File Name</u>	<u>Pg.</u>		<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099		☐	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
80274	66	☒	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
80192		☐	Automated Flagger Assistance Device	Jan. 1, 2008	April 1, 2023
80173		☐	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426		☐	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
80241		☐	Bridge Demolition Debris	July 1, 2009	
50531		☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
50261		☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80460	69	☒	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
80384	80	☒	Compensable Delay Costs	June 2, 2017	April 1, 2019
80198		☐	Completion Date (via calendar days)	April 1, 2008	
80199		☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80461		☐	Concrete Barrier	Jan. 1, 2025	
80453	84	☒	Concrete Sealer	Nov. 1, 2023	
80261		☐	Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
80029	85	☒	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2025
80467	88	☒	Erosion Control Blanket	Aug. 1, 2025	
80229		☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452		☐	Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80447		☐	Grading and Shaping Ditches	Jan 1, 2023	
80433		☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
* 80471		☐	Guardrail	Nov. 1, 2025	
* 80472		☐	High Friction Surface Treatment	Nov. 1, 2025	
80456	91	☒	Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
80446		☐	Hot-Mix Asphalt – Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438		☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80450		☐	Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	Aug. 1, 2025
* 80464	93	☒	Pavement Marking	April 1, 2025	Nov. 1, 2025
80468	94	☒	Pavement Patching	Aug. 1, 2025	
80441	95	☒	Performance Graded Asphalt Binder	Jan 1, 2023	
80459		☐	Preformed Plastic Pavement Marking	June 2, 2024	
34261		☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
* 80473		☐	Raised Reflective Pavement Markers	Nov. 1, 2025	
80455	100	☒	Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
* 80474		☐	Residential Driveway Temporary Signal	Nov. 1, 2025	
80445	102	☒	Seeding	Nov. 1, 2022	
80457		☐	Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
80462		☐	Sign Panels and Appurtenances	Jan. 1, 2025	April 1, 2025
80469		☐	Slope Wall	Aug. 1, 2025	
80448	108	☒	Source of Supply and Quality Requirements	Jan. 2, 2023	
80340		☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
* 80127		☐	Steel Cost Adjustment	April 2, 2004	Nov. 1, 2025
80397	109	☒	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	110	☒	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80463	111	☒	Submission of Bidders List Information	Jan. 2, 2025	Mar. 2, 2025
80437	112	☒	Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
80435		☐	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
80465	114	☒	Surveying Services	April 1, 2025	
80466		☐	Temporary Rumble Strips	April 1, 2025	
80470		☐	Traffic Signal Backplate	Aug. 1, 2025	
20338		☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021

<u>File Name</u>	<u>Pg.</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80429		☐ Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
80439	115	☒ Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
80458		☐ Waterproofing Membrane System	Aug. 1, 2024	
80302	116	☒ Weekly DBE Trucking Reports	June 2, 2012	Jan. 2, 2025
80454		☐ Wood Sign Support	Nov. 1, 2023	
80427		☐ Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
80071	117	☒ Working Days	Jan. 1, 2002	

GUIDE BRIDGE SPECIAL PROVISION INDEX/CHECK SHEET

Effective as of the: November 8, 2024 Letting

Pg #	✓	File Name	Title	Effective	Revised
	☐	GBSP 4	Polymer Modified Portland Cement Mortar	June 7, 1994	April 1, 2016
	☐	*GBSP 13	High-Load Multi-Rotational Bearings	Oct 13, 1988	June 28, 2024
	☐	GBSP 14	Jack and Remove Existing Bearings	April 20, 1994	April 13, 2018
	☐	GBSP 16	Jacking Existing Superstructure	Jan 11, 1993	April 13, 2018
	☐	GBSP 18	Modular Expansion Joint	May 19, 1994	Oct 27, 2023
	☐	GBSP 21	Cleaning and Painting Contact Surface Areas of Existing Steel Structures	June 30, 2003	Oct 23, 2020
	☐	GBSP 25	Cleaning and Painting Existing Steel Structures	Oct 2, 2001	April 15, 2022
	☐	GBSP 26	Containment and Disposal of Lead Paint Cleaning Residues	Oct 2, 2001	Apr 22, 2016
	☐	GBSP 28	Deck Slab Repair	May 15, 1995	Feb 2, 2024
	☐	GBSP 29	Bridge Deck Microsilica Concrete Overlay	May 15, 1995	April 30, 2021
	☐	GBSP 30	Bridge Deck Latex Concrete Overlay	May 15, 1995	April 30, 2021
	☐	GBSP 31	Bridge Deck High-Reactivity Metakaolin (HRM) Conc Overlay	Jan 21, 2000	April 30, 2021
118	☒	GBSP 33	Pedestrian Truss Superstructure	Jan 13, 1998	Oct 27, 2023
	☐	GBSP 34	Concrete Wearing Surface	June 23, 1994	Oct 4, 2016
	☐	*GBSP 45	Bridge Deck Thin Polymer Overlay	May 7, 1997	June 28, 2024
	☐	GBSP 53	Structural Repair of Concrete	Mar 15, 2006	Aug 9, 2019
	☐	GBSP 55	Erection of Curved Steel Structures	June 1, 2007	
	☐	GBSP 59	Diamond Grinding and Surface Testing Bridge Sections	Dec 6, 2004	April 15, 2022
	☐	GBSP 60	Containment and Disposal of Non-Lead Paint Cleaning Residues	Nov 25, 2004	Apr 22, 2016
	☐	GBSP 61	Slipform Parapet	June 1, 2007	April 15, 2022
	☐	GBSP 67	Structural Assessment Reports for Contractor's Means and Methods	Mar 6, 2009	Oct 5, 2015
	☐	GBSP 71	Aggregate Column Ground Improvement	Jan 15, 2009	Oct 15, 2011
	☐	GBSP 72	Bridge Deck Fly Ash or GGBF Slag Concrete Overlay	Jan 18, 2011	April 30, 2021
	☐	GBSP 78	Bridge Deck Construction	Oct 22, 2013	Dec 21, 2016
	☐	GBSP 79	Bridge Deck Grooving (Longitudinal)	Dec 29, 2014	Mar 29, 2017
	☐	GBSP 81	Membrane Waterproofing for Buried Structures	Oct 4, 2016	March 1, 2019
	☐	GBSP 82	Metallizing of Structural Steel	Oct 4, 2016	Oct 20, 2017
	☐	*GBSP 83	Hot Dip Galvanizing for Structural Steel	Oct 4, 2016	June 28, 2024
	☐	GBSP 85	Micropiles	Apr 19, 1996	Oct 23, 2020
	☐	GBSP 86	Drilled Shafts	Oct 5, 2015	Oct 27, 2023
	☐	GBSP 87	Lightweight Cellular Concrete Fill	Nov 11, 2001	Apr 1, 2016
	☐	GBSP 88	Corrugated Structural Plate Structures	Apr 22, 2016	April 13, 2018
	☐	GBSP 89	Preformed Pavement Joint Seal	Oct 4, 2016	March 24, 2023
	☐	GBSP 90	Three Sided Precast Concrete Structure (Special)	Dec 21, 2016	March 22, 2024
	☐	GBSP 91	Crosshole Sonic Logging Testing of Drilled Shafts	Apr 20, 2016	March 24, 2023
	☐	GBSP 92	Thermal Integrity Profile Testing of Drilled Shafts	Apr 20, 2016	March 24, 2023
	☐	*GBSP 93	Preformed Bridge Joint Seal	Dec 21, 2016	June 28, 2024
	☐	GBSP 94	Warranty for Cleaning and Painting Steel Structures	Mar 3, 2000	Nov 24, 2004
	☐	GBSP 96	Erection of Bridge Girders Over or Adjacent to Railroads	Aug 9, 2019	
	☐	GBSP 97	Folded/Formed PVC Pipeliner	April 15, 2022	
	☐	GBSP 98	Cured-in-Place Pipe Liner	April 15, 2022	
	☐	GBSP 99	Spray-Applied Pipe Liner	April 15, 2022	
	☐	GBSP 100	Bar Splicers, Headed Reinforcement	Sept 2, 2022	Oct 27, 2023
	☐	*GBSP 101	Noise Abatement Wall, Ground Wall	Dec 9, 2022	June 28, 2024
	☐	*GBSP 102	Noise Abatement Wall, Structure Mounted	Dec 9, 2022	June 28, 2024
	☐	GBSP 103	Noise Abatement Wall Anchor Rod Assembly	Dec 9, 2022	

An * indicates a new or revised special provision.

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 Adopted January 1, 2025" indicated on the Check Sheet included herein, which apply to and govern the construction of the proposed improvements designated below, in DeKalb County, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

Great Western Trail Extension: Sycamore Forest Preserve to Old Mill Park
Section No.: 21-P4006-03-BT
Project No.: TYVE(417)
Job No.: C-93-054-22
Contract No.: 87843

LOCATION OF PROJECT

The proposed multi-use trail project is located generally between the intersection of E. Page Street and N. Pleasant Street and Old Mill Park in Sycamore, IL. The trail is located on property owned by Sycamore Park District and in City of Sycamore right of way. The gross length of the project is approximately 2,438 feet. The project is located in Sections 29, 32, and 33, Township 41N, Range 5E.

DESCRIPTION OF PROJECT

The project consists of approximately 1,970 linear feet of 10-foot wide multi-use trails constructed with hot-mix asphalt surface pavement. The project will also include an 80 linear foot prefabricated pedestrian bridge, approximately 300 linear feet of boardwalk, and 20 linear feet of concrete approach pavements. Two at-grade roadway crossings are proposed. The project also includes installation of storm sewers, signage, bollards, and fences, topsoil stripping and placement, seeding, erosion control blanket installation, and all the incidental and collateral work necessary to complete the project as shown on the plans and as described herein. The project local agency and Owner is the Sycamore Park District. Several portions of the property owned by Sycamore Park District were recently acquired from private owners. The Sycamore Park District has also obtained temporary construction easements from private owners for installation of the trail, which are shown on the plans. The access and work in the easement portions of the project area shall be limited to the easement areas only.

A majority of the project is located within the 100-year floodplain and regulatory floodway of the Kishwaukee River.

Note: According to the Review for Endangered Species Act – Section 7, due to the potential presence of the Indiana bat and the Northern long-eared bat within the project area, trees larger than three (3) inches DBH shall not be cleared from April 1 through September 30 in order to avoid potential impacts to those species. Therefore, all tree removals shall be performed to meet those time period requirements in order to meet the Section 7 signoff requirements.

SITE ACCESS

Construction access locations are generally noted on the plans. Temporary easements are provided at certain locations to provide additional access width. Existing pavement within these temporary easements that is not noted for removal shall be protected from damage. Damage to existing pavement due to Contractor negligence shall be repaired at the Contractor's sole expense. Stabilized construction entrances shall be installed where indicated on the plans and in accordance with STABILIZED CONSTRUCTION ENTRANCE. **No construction activity is allowed in any waterway, and no equipment shall enter any waterway at any time.**

SEQUENCE OF CONSTRUCTION

The overall estimated sequence of construction below is for clarity in designer intent only. The Contractor shall establish the construction schedule.

1. Perform tree removal and clearing and grubbing throughout entire corridor as required.
2. Install all temporary fence.
3. Install perimeter erosion barrier and erosion control measures prior to earthwork activities.
4. Excavate site for trail installation, with all proposed trail areas graded to roughly 1-foot below final elevations on plans, perform proof roll, and remove and replace material as necessary.
5. Temporarily stabilize site immediately following mass grading completion throughout project.
6. Install bridge piers, bridge superstructure, boardwalks, and concrete approaches.
7. Construct utilities. After completion of storm sewer installation, temporary & permanent sediment control filter barrier and sediment control flow-through filters shall be immediately placed at each open-grate structure. Permanent erosion control measures shall also be placed.
8. Construct asphalt trails.
9. Perform fine grading.
10. Seed and stabilize site with biodegradable erosion control mat as fine grading is completed throughout the site.
11. Install various additional improvements, including fencing, bollards, and signage.
12. Remove temporary erosion control measures following final stabilization & approval by Engineer.

PERMITS

Several permitting bodies have regulatory authority over specific portions of the project. The Owner has or will secure the permits listed below prior to construction. However, it is the responsibility of the Contractor to be knowledgeable of all the stipulations within these permits and follow the requirements of each permit and permitting body, including coordinating the required inspections. The Contractor shall incorporate final requirements of each permit into this work. The following is a list of the permits that have been or will be specifically received for this project:

1. City of Sycamore - Building Permit
2. United States Army Corps of Engineers – Nationwide Permit 42
3. IL Department of Natural Resources Office of Water Resources – Floodway Construction Permit
4. IL Environmental Protection Agency – ILR10 Construction Permit

IDOT BUREAU OF BRIDGES AND STRUCTURES NOTE

Contractor shall follow all requirements of Guide Bridge Specification 33 (GBSP 33), which may be found in these special provisions or at <http://www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Manuals-Guides-&-Handbooks/Highways/Bridges/Bridge-Special-Provisions/gbsp33.pdf>

The following certification shall be placed on the first sheet of the bridge shop plans adjacent to the seal and signature of the Structural Engineer:

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the Contract and the current 'Guide Specifications for Design of Pedestrian Bridges'."

The Illinois Department of Transportation will perform steel fabrication inspection services for the prefabricated bridge. As such, the Engineer shall send a letter requesting such to the Bureau of Bridges and Structures (BBS) as soon as possible after the steel fabricator is determined. The Contractor shall inform the Owner of the fabricator as soon as possible to avoid inspection delays.

The Engineer shall send a copy of the approved shop drawings to the inspector and to the BBS for office use in assisting the inspector with technical or interpretation questions. The inspector and the BBS office will also require reference copies of any special provisions or project-specific specifications applicable to fabrication that are different from IDOT's Standard & Supplemental Specifications.

WETLAND AREAS

Description: According to Federal Executive Order 11990, dated May 24, 1977, and Articles 107.01 and 107.23 of the Standard Specifications, the Contractor shall protect the wetland areas on or adjacent to this project.

This work shall consist of constructing, maintaining, removing, and disposing of a temporary fence, perimeter erosion barrier, and signs as shown on the plans and as described herein.

Materials: Temporary fence shall be a minimum of 4 ft. (1.2 m) in height and shall be a high visibility orange snow fence. Fence stakes shall meet the requirements of Article 1081.15(b) of the Standard Specifications.

Perimeter erosion barrier shall meet the requirements of Section 280 of the Standard Specifications.

Signs shall meet the requirements of Article 720.02 of the Standard Specifications and shall be 9" x 12" (225 mm x 300 mm) and shall read "Federally Protected Wetlands: KEEP OUT." Sign supports shall meet the requirements of Section 1093 of the Standard Specifications.

Construction Requirements: The Contractor shall install fence at all wetland areas as shown on the plans. The Contractor shall also install a minimum of two signs at each wetland location. Signs shall not be spaced greater than 300' (100 m) apart.

The Contractor shall remove the temporary fence at the completion of the project.

Method of Measurement: The temporary fence will be measured for payment in place in feet (meters) along the top of the fence. The signs, sign supports, and fence stakes will not be measured for payment.

Perimeter erosion barrier will be measured for payment according to Article 280.07 of the Standard Specifications. The Owner reserves the right to increase or reduce the quantity for perimeter erosion barrier. The Contractor is not entitled to compensation for any changes in quantities for this pay item.

Basis of Payment: The temporary fence will be paid for at the contract unit price per foot (meter) for TEMPORARY FENCE, which price shall include the cost of the snow fence, fence stakes, signs, and sign supports.

Perimeter erosion barrier will be paid for according to Article 280.08 of the Standard Specifications.

AVAILABLE REPORTS

When applicable, the following checked reports and record information is available for Bidders' reference upon request:

- ☐ Record structural plans
- ☐ Preliminary Site Investigation (PSI)
- ☐ Preliminary Environmental Site Assessment (PESA)
- ☒ Soils/Geotechnical Report
- ☐ Boring Logs
- ☐ Pavement Cores
- ☐ Location Drainage Study (LDS)
- ☐ Hydraulic Report
- ☐ Noise Analysis
- ☐ Other: LPC 663 Testing Report

Those seeking these reports should request access from:
Jonelle Bailey, Executive Director
Sycamore Park District
Phone: (815) 895-336 ext. 229
Email: jonelleb@sycparks.org

TRAFFIC CONTROL PLAN

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

Special attention is called to the following sections of the Standard Specifications, the Highway Standards, and the special provisions relating to traffic control:

Standard Specifications:

- Section 701 - Work Zone Traffic Control and Protection
- Section 703 - Work Zone Pavement Marking
- Section 780 - Pavement Striping
- Section 783 - Pavement Marking and Marker Removal
- Section 1106 - Work Zone Traffic Control Devices

Highway Standards:

701001	701006	701301	701501	701801	701901
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In addition, the following also relate to traffic control for this project:

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

RECURRING SPECIAL PROVISIONS

- Work Zone Traffic Control Surveillance
- Flaggers in Work Zones

SPECIAL PROVISIONS

- Vehicle Parking
- Vehicle Equipment & Warning Lights (BDE)

VEHICLE PARKING

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 and never within median area or overnight on any roadway area.

STORM SEWER (WATER MAIN REQUIREMENTS)

Description:

This work shall consist of constructing storm sewers meeting water main requirements.

Storm Sewer (Water Main Requirements) shall be used at locations where lateral separation between the sewer and water main or water service line is less than 10 feet (3.1 m) and the water main invert is less than 18 inches (457 mm) above the storm sewer crown. Also, Storm Sewer (Water Main Requirements) shall be used where the sewer crosses above the water main or water service line with 18 inches (457 mm) minimum vertical separation.

The storm sewer shall be constructed of Ductile iron pipe, Class 52 with bell and rubber gasket joint or Concrete pressure pipe conforming to the latest AWWA Standard C300, C301, C303 or Plastic pipe meeting the material requirements of Section 40. Pipe for Water Mains and Service Connections of the Standard Specifications for Water and Sewer Main Construction in Illinois and Section 550 of the Standard Specifications.

This work shall be done according to the applicable portions of Sections 550 and 561 of the Standard Specifications.

Method of Measurement. This work will be measured for payment according to Article 550.09 of the Standard Specifications.

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

GRANULAR MATERIALS

(Effective: November 26, 2013; Revised January 1, 2016)

For trench backfill and bedding for pipe culverts and storm sewers, gradations CA 7 or CA 11 may be used, however, the granular material shall be encased in filter fabric. Filter fabric shall be in accordance with Article 1080.03 of the Standard Specifications. The filter fabric shall be installed according to Article 282 of the Standard Specifications, except that the work will not be measured for payment, but will be included in the cost of the pipe culverts or storm sewers. Lifts for gradations CA 7 or CA 11 may exceed 8 inches (200 mm) in depth provided the material is seated to the satisfaction of the Engineer. **All trench backfill and removal and disposal of material displaced by trench backfill will not be measured for payment, but will be included in the cost of the pipe culverts or storm sewers.**

CONSTRUCTION LAYOUT (SPECIAL)

Description:

This work shall consist of furnishing a construction survey crew and all necessary equipment, materials, tools, and expertise needed for construction surveying, layout, **and preparation of As-Built Plans** (electronic and PDF format). The CONTRACTOR shall be required to furnish and place all construction layout stakes for this project. The ENGINEER will provide an AutoCAD file with adequate reference points and benchmarks as shown on the plans.

The CONTRACTOR shall provide field forces, equipment and material to set all stakes for this project, which are needed to establish reference points and any other horizontal or vertical controls, including supplementary benchmarks, necessary to secure a correct layout of the work. Stakes for line shall be set at sufficient station intervals (not to exceed 50 feet) aligning with cross-sections shown in the plan to assure substantial conformance to the plan lines. The CONTRACTOR will not be required to set additional stakes to locate a utility line which is not included as a pay item in the contract nor to determine property lines between private properties.

The CONTRACTOR shall be responsible for having the finished work substantially conform to the lines and dimensions called for in the plans. Any inspection or checking of the CONTRACTOR'S layout by the ENGINEER and the acceptance of all or any part of it shall not relieve the CONTRACTOR of his/her responsibility to secure the proper dimensions. The CONTRACTOR shall exercise care in the preservation of stakes and benchmarks and shall have them reset at his/her expense when any are damaged, lost, displaced or removed or otherwise obliterated.

Responsibility:

- a) The ENGINEER will make arrangements and take areas and lengths from which the various pay items are to be measured only where noted in these Special Provisions.
- b) Where the CONTRACTOR, in setting construction stakes, discovers discrepancies, the ENGINEER will check to determine their nature and make whatever revisions are necessary in the plans. Any additional re-staking required by the ENGINEER will be the responsibility of the CONTRACTOR. The additional re-staking done by the CONTRACTOR will be paid for in accordance with 109.04 of the Standard Specifications.
- c) The ENGINEER will provide electronic files of the design plans in AutoCAD format to the CONTRACTOR for use in construction layout.
- d) It is not the responsibility of the ENGINEER, except as provided herein, to check the correctness of the CONTRACTOR'S stakes.
- e) At the completion of construction, the CONTRACTOR will be responsible to prepare as-built drawings in compliance with the requirements of the City of Sycamore, which are to be signed and sealed by a Land Surveyor registered in the State of Illinois. Additionally, these drawings shall be provided in electronic format for the OWNER and ENGINEER.
- f) All work shall be in accordance with normally accepted self-checking surveying practices. Field notes shall be kept in standard survey field notebooks and those books shall become the property of the OWNER at the completion of the project. All notes shall be neat, orderly and in accepted form.

All survey work for the OWNER shall meet the following standards.

- The completed work must be submitted in both hard copy and digital format, which includes, three original reproducible bond copies and an electronic drawing file format, (AutoCAD Civil 3D 2007 or later), and a space or comma delimited text file, containing raw data in the form of (PENZD).
- The .dwg file must have X,Y and Z coordinates attached to all points and contours and shall be tied into the Illinois State Plane Coordinate System NAD 83 East Zone U.S. Survey Foot. If data is not acceptable to OWNER, meaning, not meeting the following specifications, OWNER reserves the right to return data to ENGINEER until it is corrected to meet the following specifications with no further compensation due consultant.

The drawing shall meet the following specifications (as required per contract):

- Please note that City of Sycamore requires the record drawings to include as-constructed survey points to show that the project complies with the approved grading plan, specifically for verifying floodplain compensatory storage compliance. The cost of both the as-constructed survey and record drawing preparation shall be included in this pay item.
- Drawings shall note all dimensions and elevations in imperial scale to the nearest .01 foot.
- Include legend of symbology and abbreviations used in drawing.
- Show all existing and newly constructed improvements per construction project specifications. All items to be included but not necessarily limited to; vegetation, one foot contours, high points, low points, storm sewer, and water piping size and type, manhole rims & pipe invert elevations, culvert inverts, pavement delineation and type, fences, and ALL existing utilities.
- Record drawings (AS-BUILTS) and Legal Descriptions as required.
- Show all trees 6" diameter and larger within survey site with a tree block symbol.
- Capture mean elevation of water in any excavation, well and or nearby body of water.
- Do not break contour lines for elevation text nor shall text interfere with any mapping lines (do not trim to accommodate text).
- All contour lines should be continuous/closed polylines with respective "Z" coordinates.
- Spot elevations should have "Z" elevations and represented as a CIVIL 3D AutoCAD COGO point to the nearest .01 foot.
- All text associated with a spot elevation should match that elevation and be on a separate text layer.
- Color and line type shall be "by layer".
- Tie in two quarter section corners (X,Y,Z) into survey loop, if in close proximity to project.
- Set at least one permanent benchmark on site for each 4 acres using an iron pipe marked with lath and with a description and with COGO point in drawing.
- Note all control points.
- All entities shall be drawn on the world coordinate system (do not change U.C.S. origin).
- Scale of drawing shall be 1:1 and all symbols shall be inserted at a scale of 1,1,1.
- All drawing entities (lines, polylines, blocks, etc.) shall be inserted in model space.
- All title blocks, legends, north arrow, etc. shall be inserted in paper space.
- All paper and Mylar copies of survey shall be signed and sealed by a professional land surveyor.
- Show all easements evidenced by a record document or evident in the field

Basis of Payment:

This work will be paid for at the contract lump sum price for CONSTRUCTION LAYOUT (SPECIAL) which will include all materials, equipment, and labor needed to perform the work as described herein.

STABILIZED CONSTRUCTION ENTRANCE

Description: This work shall be in accordance with all applicable portions of Sections 1004 and 1080 of the Standard Specification for Road and Bridge Construction, except as modified herein and on the plans. This work shall consist of furnishing, installation, maintenance, removal and restoration of stabilized pads of aggregate underlain with filter fabric as shown on the plans or directed by the Engineer.

Materials: Materials shall conform to the following:
IDOT Coarse Aggregate Gradation: CA-1, CA-2, CA-3, or CA-4. Filter Fabric shall consist of synthetic polymers composed of at least 85 percent by weight polypropylene, polyesters, polyamides, polyethylene, polyolefins, or polyvinylidene-chlorides. The geotextile shall be free of any chemical treatment or coating that significantly reduces its porosity. Fibers shall contain stabilizers and/or inhibitors to enhance resistance to ultraviolet lights. Capping stone may be used by the contractor at their own expense.

Construction Requirements: The coarse aggregate shall be a thickness of 6 inches or more. The stone entrances should not be filled until the area has been inspected and approved by the Engineer.

The rock shall be dumped and spread into place in approximately horizontal layers not more than 3 feet in thickness. It shall be placed in a manner to produce a reasonable homogeneous stable fill that contains no segregated pockets of large or small fragments or large unfilled space caused by bridging of the larger fragments. No compaction will be required beyond that resulting from the placing and spreading operations.

All surface water flowing or diverted toward the construction entrances shall be piped across the entrances. Any pipe used for this will be considered included in the cost of STABILIZED CONSTRUCTION ENTRANCE.

The entrances shall remain in place and be maintained until the disturbed area is stabilized. Any sediment spilled onto public right of ways must be removed immediately.

Access to work zones shall be via the stabilized construction entrances depicted on the plans. No other access locations will be permitted unless with prior permission from the Owner and the City of Sycamore. All Contractor vehicles, equipment and supplies shall be stored at staging areas as identified on the plans.

The Contractor will be responsible for maintaining the stabilized construction entrances until the completion of the project. Upon completion of the project, the stabilized construction entrances shall be removed by the Contractor.

The Contractor shall restore the area to its original grading and condition.

Method of Measurement: The dimensions shall be as shown on the plans. This item shall be measured in place and will be measured on a square yard basis.

Basis of Payment: This work shall be paid for per the contract unit price per square yard for STABILIZED CONSTRUCTION ENTRANCE. The payment shall constitute full compensation for all materials, sampling, labor, and equipment necessary to complete the work as specified.

SAWCUTTING

Description: Unless otherwise indicated in the Special Provisions, sawcutting operations associated with the conduct of the project shall be considered incidental to the work item being performed. The Contractor will sawcut for all items to be removed or installed. The Contractor shall also sawcut existing pavements where proposed pavements will abut in order for a clean edge to be provided. The Contractor shall be responsible for removing the residue created by sawcutting operations in a manner acceptable to the Engineer. The resulting surface shall be sufficiently clean so that no tracking of residue by vehicles or pedestrians occurs.

Basis of Payment: SAWCUTTING shall not be paid for separately but shall be considered included in the unit contract price of the related work item.

FOLD DOWN BOLLARDS

Description: This work shall consist of furnishing and installing a 36" double post steel fold down bollard at locations on the plans and as directed by the Engineer. The Fold Down Bollard shall be a collapsible bollard, shall include double locks and a pin, and shall be installed so that it lies flat on pavement when unlocked. Open Bollard shall be parallel to edges of trail. 12" diameter, 42" deep concrete foundation shall be included in the unit price bid for FOLD DOWN BOLLARDS. Concrete foundation shall meet or exceed compressive strength of 4,000 PSI at 14 days.

Method of Measurement: The fold down bollards shall be measured for payment in place in units of each.

Basis of Payment: This item will be paid for at the contract price per each FOLD DOWN BOLLARDS. The price shall be payment in full for all services, materials, labor, equipment, tools and incidentals to complete this item.

PAVEMENT REMOVAL

Description: This work will be performed in accordance with Section 440 of the Standard Specifications with the following amendments.

This work will include all saw cutting, full depth removal of asphalt and aggregate pavement including existing aggregate base. All materials shall be properly disposed of offsite.

Method of Measurement: This item shall be measured in place on a square yard basis using field-marked limits of removal prior to removal of the pavement.

Basis of Payment: This work will be paid for at the contract unit price per square yard for PAVEMENT REMOVAL, which price shall include the cost of removing and disposing of the full depth of asphalt or stone surface course and removing and storing (if materials are to be reused) or disposing full depth of stone base course materials. No additional compensation for pavement removal beyond the limits noted in the plans shall be allowed without written direction from the OWNER prior to the commencement of any work.

HOT-MIX ASPHALT SURFACE COURSE

Descriptions: This work will consist of the placement of Hot-Mix Asphalt Surface Course to the width, length, and depth indicated on the plans. The Hot-Mix Asphalt shall be placed in accordance with the methods and with materials in accordance with Sections 355, 406 and 1000 of the SSRBC.

Construction Requirements: Pavement areas shall consist of HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, which shall be furnished and placed on a prepared base all in accordance with Section 406 of the Standard Specifications. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 shall be placed in one 3" lift.

The CONTRACTOR shall not use equipment of excessive size or weight that causes damage to existing or new pavement. Any damage to the existing pavement that is to remain in place or new pavement shall be removed and replaced by the CONTRACTOR at his/her own expense.

Method of Measurement: This item will be measured in accordance with section 406.13 of the SSRBC.

Basis of Payment: This work will be paid for at the contract price per ton for HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, which shall include all labor, equipment, and materials required to complete this work.

BOARDWALK STRUCTURE

Description: This work shall consist of the design, fabrication, storage, delivery and erection of a boardwalk structure supported by piling over wetlands and floodplain to the widths, lines, and grades shown on the Drawings. Also included in this work shall be the furnishing and installation of all headers, straps, clips, bolts, railings, and miscellaneous items as indicated on the plans.

Certification and Submittals: The boardwalk shall conform to the clear span, clear width, and railing configuration shown on the contract plans. The design shall be according to the LRFD Guide Specifications for the Design of Pedestrian Bridges.

The boardwalk structure shall be designed by an Illinois Licensed Structural Engineer. Prior to beginning fabrication, the Structural Engineer's drawings shall be submitted with the Structural Engineer's Seal and Signature as the OWNER's Record Drawings. The minimum design live load shall be 90 pounds per square foot and H10 truck loading. All other design loads shall meet the requirements of American Association of State Highway and Transportation Officials LRFD Design Specification standards. The following certification shall be placed on the first sheet of the bridge shop plans adjacent to the seal and signature of the Structural Engineer:

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the Contract and the current 'Guide Specifications for Design of Pedestrian Bridges'."

Storage of Materials: Treated timber shall be close-stacked according to Article 1007.13 of the standard specifications.

Pile Bents and Abutments: Timber piles shall be southern yellow pine, conforming to ASTM standard D-25 for quality. Specification for size shall be 1" taper in 10 linear feet. Piles are required to be driven to refusal and no less than 10-ft. Hand auguring and jetting are not approved pile installation methods. Contractor to refer to geotechnical investigation report, to assist in determining the proper depth of the pilings. If proper bearing capacity is not met at the minimum pile depth, pilings shall be spliced and driven until proper bearing is achieved. All standard splices must provide engineers calculations and stamp.

All work involving piles shall be according to Section 512 of the standard specifications. Cut-offs shall be made accurately to ensure complete bearing between the cap and piles, or good alignment of the tops of wing piles. No shimming between pile tops and caps will be permitted, except to provide for adjustment of not more than 1 in. (25 mm) required on account of errors in cut-off. The shim for this purpose shall consist of a single square steel plate of the proper thickness, having the same width as the cap, punched 1/16 in. (2 mm) larger than the drift bolt. The piles for any one bent or line shall be selected carefully as to size, to avoid undue bending or distortion of the bracing or backing timbers. Care shall be exercised in the distribution of piles of varying sizes to secure the required strength and rigidity throughout the structure.

Caps: Timber caps shall be placed, with ends aligned, in a manner to secure an even and uniform bearing on the tops of the supporting posts or piles. They shall be secured by a drift bolt not less than 3/4 in. (20 mm) in diameter, extending at least 9 in. (225 mm) into each post or pile. The drift bolt shall be as near the center of the post or pile as possible without interfering with rods passing through the post.

Railing: The orientation of the safety rail elements shall be vertical. Vertical safety rails shall have a maximum 5" center to center spacing. Railing shall include a 4" minimum toe rail located no more than 2" clear above the deck. Toe rails shall be designed per AASHTO as horizontal rails.

Materials: All bridge material and construction shall be marine grade. All sawn lumber shall be southern pine and graded under the southern pine inspection bureau (SPIB) rules. All sawn lumber shall be grade No. 2 or better, S4s (surface four sides). Splices of structural members may only be made over supports. Splices between supports are prohibited. Exposed corners shall be beveled/ routed and sanded to remove splinters/ sharp edges. Lumber and timber shall meet the requirements of AASHTO M168.

Decking shall be butted tightly board to board to allow for board shrinkage after deck construction. Decking to be attached with 303 stainless steel or better, screw recessed 1/2" below deck surface. No splices shall be allowed for bridge decking. Pre-drill and countersink deck screws prior to installation.

Hardware: All hardware shall be ASTM A307 steel, all associated washers and nuts, hot dipped galvanized per AASHTO Specification M-232. After fabrication, all steel shapes shall be hot dipped galvanized per AASHTO specification M-111. All welding to be per AWS specifications.

Construction Requirements: The boardwalk shall be erected in strict conformance with the Licensed Structural Engineer's signed and sealed drawings and the manufacturer's instructions.

The boardwalk shall be erected to have a smooth transition with the concrete approach slabs and shall be accessible as defined by the Illinois Accessibility Code. The walking surface shall have a permanent skid resistance free of sharp corners.

Bridge contractor will perform all work from the deck level. All foot traffic will be contained within six feet from boardwalk path. Bridge contractor will clean up each bridge work site daily, and the contractor shall provide the appropriate dumpster for material removal.

Method of Measurement: This work will be measured for payment in place and the area computed in square foot. The width used in computing the area will be the boardwalk clear width (12-ft). The length used in computing the area will be the distance between centerline of piles to centerline of piles. Hardware will not be measured for payment but included in the cost of the boardwalk.

Basis of Payment: Boardwalk will be paid at the contract unit price per square foot for BOARDWALK STRUCTURE which shall include all labor and materials necessary to complete this work.

BIAXIAL GEOGRID

Description: This work shall consist of all labor, equipment and materials required to install biaxial geogrid reinforcement on the pavement subgrade.

Subgrade preparation shall include the removal of unsuitable surface conditions including pavement materials, vegetation, high organic content topsoil, root matter and other deleterious conditions which may be encountered. The subgrade soils (including soils in the conduit trenches) shall be proof-rolled and the soils compacted to a minimum of 95% compaction based on the standard proctor, AASHTO T-99 or ASTM D-698, within 1.0 foot of the surface. Proof-rolling and compaction will not be paid for separately but will be included in the cost of the various contract items.

The area will be proof-rolled under the supervision of the Engineer. When proof-rolling reveals unstable soil conditions, these locations shall be stabilized either by REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL and AGGREGATE SUBGRADE IMPROVEMENT or with BIAXIAL GEOGRID. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL and AGGREGATE SUBGRADE IMPROVEMENT will be paid for separately.

Biaxial geogrid reinforcement shall consist of a regular network of integrally connected polymer tensile elements with aperture geometry (apertures > 0.25 inches) sufficient to permit significant mechanical interlock with the surrounding soil, aggregate, or other material. The structure of the geogrid reinforcement shall be dimensionally stable and able to retain its geometry under construction stresses and have high resistance to damage during construction, to ultraviolet degradation, and to all forms of chemical and biological degradation encountered in the soil being reinforced. The minimum rib thickness shall be 1.25 mm.

The Contractor shall provide submittals for review and approval prior to installation. Contractor shall provide the written manufacturer's certification that geogrid manufactured from polypropylene (PP) or polyethylene (HPDE) are capable of withstanding direct exposure to sunlight for 500 hours with a minimum strength retained of 70 percent as measured per ASTM D4355. Geogrid shall provide an ultimate tensile strength of 25 kN/m as measured per ASTM D6637.

The biaxial geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring a minimum 12' in width. The product shall be installed per manufacturer specifications.

Method of Measurement: This item will be measured in place on a square yard basis. Only the overall area receiving fabric will be measured, and overlapped segments of fabric will not be taken into consideration for measurement. The quantity provided is for estimating purposes only, and adjustments to unit prices will not be allowed based on actual quantities.

Basis of Payment: This work shall be paid for at the contract unit price per square yard for BIAXIAL GEOGRID which price includes all labor, equipment and materials necessary to perform the work as specified.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

Description: Subgrade preparation shall include the removal of unsuitable surface conditions including pavement materials, vegetation, high organic content topsoil, root matter and other deleterious conditions which may be encountered. Removal and Disposal of Unsuitable Material shall conform to applicable portions of Section 202 of the IDOT Standard Specifications.

Construction Requirements: The subgrade soils (including soils in the conduit trenches) shall be proof-rolled and the soils compacted to a minimum of 95% compaction based on the standard proctor, AASHTO T-99 or ASTM D-698, within 1.0 foot of the surface. Proof-rolling and compaction will not be paid for separately, but will be considered as an incidental expense.

The area will be proof-rolled under the supervision of the Engineer. When proof-rolling reveals unstable soil conditions, these locations shall be stabilized either by REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL and AGGREGATE SUBGRADE IMPROVEMENT or with BIAXIAL GEOGRID. Removal and disposal of all surplus, unstable, or unsuitable materials and organic waste below the design sub-grade shall be performed in such a manner that public or private property will not be damaged or endangered.

Method of Measurement: This item will be measured during excavation of the unsuitable materials. Unsuitable material volume will be measured in-place with an area prior to excavation and a depth during excavation to generate the in-place volume. The quantity provided is for estimating purposes only, and adjustments to unit prices will not be allowed based on actual quantities.

Basis of Payment: This work shall be paid for at the contract unit price per cubic yard for: REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, which price includes all labor, equipment and materials necessary to perform the work as specified. AGGREGATE SUBGRADE IMPROVEMENT and BIAXIAL GEOGRID will be paid for separately.

CHAIN LINK FENCE REMOVAL (SPECIAL)

Description: Chain link fence removal shall consist of removal and proper disposal offsite, including removal and disposal of pole foundations. The removals shall be according to the locations and lengths noted in the plans. The removals shall be completed such that the chain link fabric ends cleanly at an existing pole location. The limits of the removals shall be verified in the field with the Engineer prior to beginning this work. This work shall also include backfill of the removed foundations.

Method of Measurement: This item will be measured on a linear foot basis prior to removal of the fence..

Basis of Payment: This work shall be paid for at the contract unit price per linear foot for CHAIN LINK FENCE REMOVAL (SPECIAL), which price includes all labor, equipment and materials necessary to perform the work as specified.

CLEARING & GRUBBING

Description: This work includes clearing and grubbing throughout the entire trail corridor as required. **Please note that according to the Review for Endangered Species Act – Section 7, due to the potential presence of the Indiana bat and the Northern long-eared bat within the project area, trees larger than three (3) inches DBH shall not be cleared from April 1 through September 30 in order to avoid potential impacts to those species. Therefore, all clearing and grubbing shall be performed to meet those time period requirements in order to meet the Section 7 signoff requirements.**

Please also note that generally only trees six (6) inches DBH or greater are shown on the plans. All existing trees less than six (6) inches DBH within the noted limits of clearing shall be cleared as part of clearing and grubbing.

Materials: This work shall consist of the removal of all living and downed trees less than six (6) inches DBH and removal of brush, including roots and stumps of trees and brush, to facilitate grading operations. Clearing and grubbing shall consist of the removal of all tree, shrub and vine species within designated areas of the project in a manner governed under this specification. All woody material including roots generated from clearing and grubbing work shall require removal and disposal as required by Article 202.03 of the Standard Specifications, the removal of which is not otherwise provided for in Section 501 of the Standard Specifications for Road and Bridge Construction.

The clearing and grubbing of all trees, shrubs and vines may be performed with chainsaws, clearing saws, low ground pressure excavator, bulldozer, forestry vehicle; forestry tractors or tracked skid steer, tracked timber harvester, or tracked feller-buncher for cutting and moving brush. All other operator mechanized equipment applicable for cutting trees and shrubs shall only be permitted upon approval from the OWNER.

Basis of Payment: Clearing and grubbing areas are generally noted on the plans, but final clearing areas may vary in order to complete the various project items. This work shall not be paid for separately but shall be included in the cost of the various items in this contract. This work shall include all materials, equipment, and labor necessary to complete the removal work, which shall also include disposal offsite.

TREE REMOVAL (OF THE DIAMETER SPECIFIED)

Description: This work shall include providing all labor, materials, equipment, and tools necessary for tree removal and disposal of materials. The tree removals are generally noted on the engineering plans. This work shall be done in accordance with Section 201 of the Standard Specifications.

The quantity provided is for estimating purposes only. Adjustments will not be made to the unit price based on the actual final quantities. The diameter of trees shown on the plans indicate the tree DBH at the time of the survey in April 2022. Additionally, trees that were less than six (6) inches DBH at the time of survey may not be indicated on the plans, but they shall be removed if they are in the location of the proposed trail or in close proximity to other surveyed trees that are marked for removal. The Contractor shall verify all trees to be removed with the Owner or Engineer prior to removal, including those noted for removal on the plans.

Please note that according to the Review for Endangered Species Act – Section 7, due to the potential presence of the Indiana bat and the Northern long-eared bat within the project area, trees larger than three (3) inches DBH shall not be cleared from April 1 through September 30 in order to avoid potential impacts to those species. Therefore, all clearing and grubbing shall be performed to meet those time period requirements in order to meet the Section 7 signoff requirements.

Method of Measurement: This item will be measured in accordance with section 201.10 of the SSRBC. All trees shall be measured and confirmed with the Owner or Engineer prior to removal.

Basis of Payment: This work shall be paid for at the contract unit price per unit for TREE REMOVAL (6 TO 15 UNITS DIAMETER) and per unit for TREE REMOVAL (OVER 15 UNITS DIAMETER). The payment amount shall reflect the actual diameter of trees removed at the time of removal and not necessarily the diameter indicated on the plans. All trees six (6) inches DBH or greater shall be paid for under this item, including those not shown on the existing conditions survey that have been approved by the Owner or Engineer for removal. This payment shall include all materials, equipment, and labor necessary to complete the removal work, which shall also include disposal offsite. The quantity provided is for estimating purposes only. Adjustments will not be made to the unit price based on the actual final quantities.

RODENT SHIELDS

Description: This work shall consist of furnishing and installing rodent shields in the concrete headwalls for pipe underdrains at locations shown in the plans, and at the direction of the Engineer. Work shall be as outlined in Article 601.05 of the Standard Specifications.

Materials: Materials shall be in accordance with Section 1006 of the Standard Specifications.

Method of Measurement: The rodent shields shall be measured for payment in place in units of each.

Basis of Payment: The work will be paid at the contract unit price per each for RODENT SHIELDS, which shall include the cost of installing the proposed rodent shield, cleaning and flushing the outlet pipe, and all materials, equipment and labor needed.

SANITARY MANHOLES TO BE ADJUSTED

Description: This work shall consist of the specified adjustments to the existing sanitary manhole that will remain in place below the boardwalk (approximate STA 204+35). The existing manhole shall be equipped with new adjustment rings, external chimney seal, and bolt down lid. City of Sycamore Public Works will complete any other rehab or cleaning prior to construction of the boardwalk.

Method of Measurement: SANITARY MANHOLES TO BE ADJUSTED shall be measured for payment in units of each.

Basis of Payment: The work will be paid at the contract unit price per each SANITARY MANHOLE TO BE ADJUSTED, which shall include the cost of installing the new adjustment rings, external chimney seal, and bolt down lid, and all materials, equipment, and labor needed. City of Sycamore Public Works will complete any other rehab or cleaning.

MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description: This work shall consist of furnishing and installing a 5'-diameter sanitary manhole with type 1 frame and closed lid, at the location shown in the plans and at the direction of the Engineer. Work shall be as outlined in Section 602 of the Standard Specifications and as shown in the construction details in the plans.

Method of Measurement: MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID shall be measured for payment in units of each.

Basis of Payment: The work will be paid at the contract unit price per each MANHOLE, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID, which shall include all materials, equipment, and labor necessary to complete the work.

WASHOUT BASIN

This work shall consist of constructing, maintaining, and removing temporary concrete truck washout basin(s) as specified herein and shown in the details in the plans.

The Contractor shall take sufficient precautions to prevent pollution of streams, lakes, reservoirs, and wetlands with fuels, oils, bitumen, calcium chloride, or other harmful materials according to Article 107.23 of the Standard Specifications.

As indicated in the project quantities, each project area specifying concrete construction requiring more than 9 cubic yards of concrete will be considered for one WASHOUT BASIN. Any location requiring less than 9 cubic yards of concrete will not be considered for payment of a WASHOUT BASIN but shall be considered part of the cost of the concrete work performed.

General

The WASHOUT BASIN shall be constructed on the job site in accordance with the Illinois Urban Manual practice standard for Temporary Concrete Washout Facility.

The Contractor may elect to use a prefabricated portable concrete washout structure. The Contractor shall submit a plan for the prefabricated concrete washout facility to the Engineer for approval a minimum of 10 calendar days prior to the first concrete pour.

The working concrete washout facility shall be in place before any delivery of concrete to the site. The Contractor shall ensure that all concrete washout activities are limited to the designated area.

The WASHOUT BASIN shall be located no closer than 50 feet from any environmentally sensitive areas, such as the regulatory floodway or floodplain, storm drain inlets, open drainage facilities, bodies of water, wetlands and/or other areas indicated on the plans. Each facility is to be located away from construction traffic or access areas to prevent disturbance or tracking. Adequate signage shall be placed at the washout facility and elsewhere as necessary to clearly indicate the location of the WASHOUT BASIN to the operators of the concrete trucks.

Design

The WASHOUT BASIN shall be adequately sized to fully contain the concrete washout needs of the project. As shown in the details, the WASHOUT BASIN shall be constructed of straw bales or a wood frame and polyethylene sheeting. Straw bales or wood frames shall be used to create a berm, then lined with a single sheet of 30 mil polyethylene sheeting which is free from holes, tears, or other defects which may compromise the impermeability of the material. Sheeting shall extend over the entire basin and berm.

Maintenance

The contents of the WASHOUT BASIN shall not exceed 75% of the facility capacity. Once 75% capacity is reached, concrete placement shall be discontinued until the basin is cleaned out. Hardened concrete shall be removed and properly disposed of outside the right-of-way. Slurry shall be allowed to evaporate or shall be removed and properly disposed of outside the right-of-way.

The Contractor shall immediately replace the damaged basin liner or other washout basin components to prevent leakage of concrete waste from the WASHOUT BASIN. WASHOUT BASINS shall be inspected by the Contractor after each use. All spills shall be reported to the Engineer and cleaned up immediately. The Contractor shall remove the WASHOUT BASIN when it is no longer needed.

If a rain or snowstorm is forecasted, a non-collapsing, non-water collecting cover shall be placed over the WASHOUT BASIN and secured to prevent accumulation and overflow of precipitation.

Method of Measurement

WASHOUT BASIN will be measured AS Lump Sum regardless of number, location, size, maintenance requirements, or length of time in use. The WASHOUT BASIN shall be used throughout the duration of the project.

Basis of Payment

WASHOUT BASIN will be paid for at the contract unit price per Lump Sum for WASHOUT BASIN and will be paid in full at the completion of the concrete work.

REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY

This work shall include all labor, materials, and equipment needed to remove and relocate the existing sign panel and steel post at STA 209+59, as shown in the plans and as directed by the Engineer. Work shall be performed in accordance with Section 724 of the Standard Specifications.

Method of Measurement: REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY shall be measured as each.

Basis of Payment: The work will be paid at the contract unit price per each for REMOVE AND RELOCATE SIGN PANEL AND POLE ASSEMBLY.

CONCRETE REMOVAL

This work shall include all labor, materials, and equipment needed for concrete removal at STA 224+15, as shown in the plans and as directed by the Engineer. Concrete thickness to be removed varies between approximately 3 and 6 inches. The Contractor should prevent damage to the existing storm sewers at this location, as noted in the plans.

Method of Measurement: CONCRETE REMOVAL shall be measured as square yards.

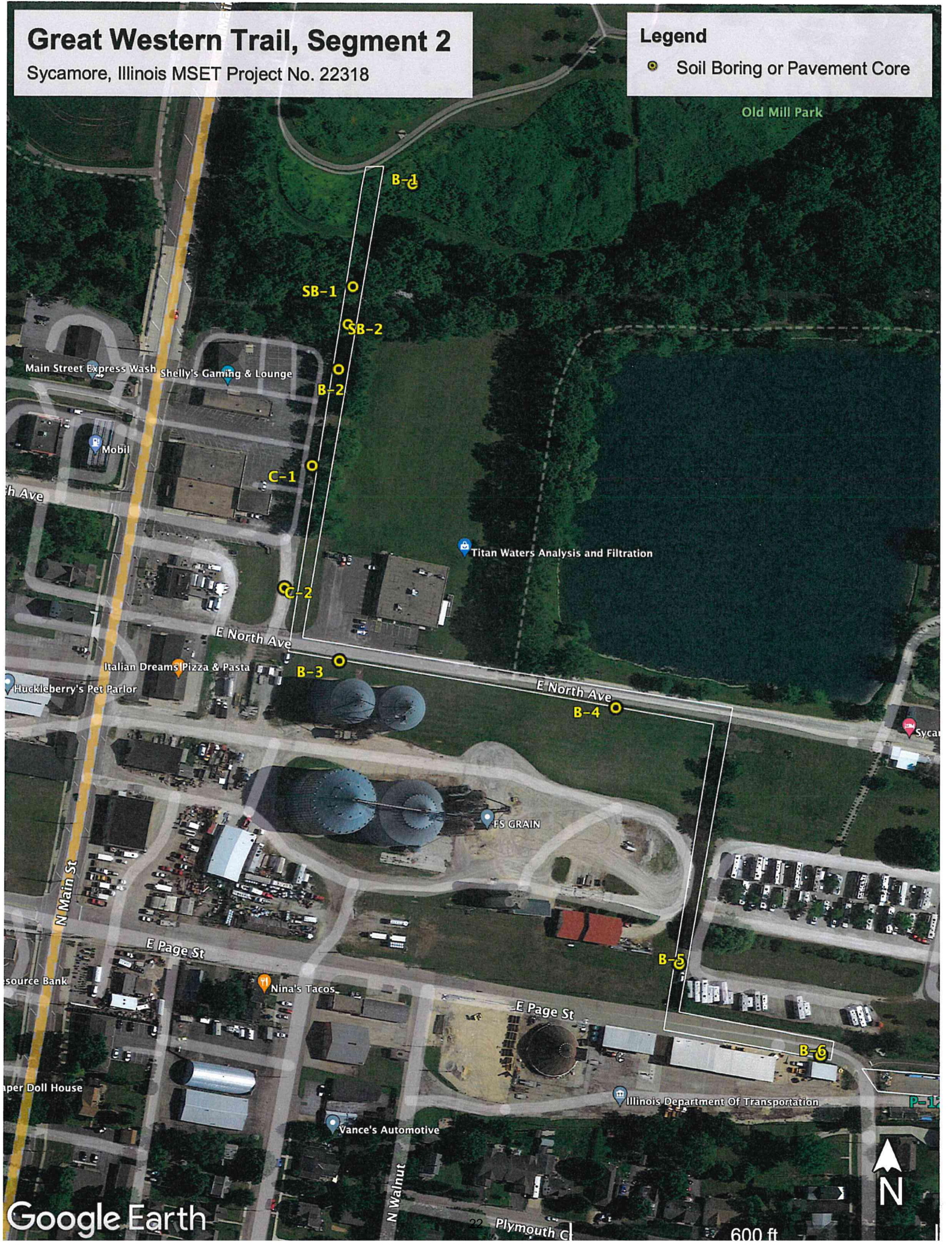
Basis of Payment: The work will be paid at the contract unit price per square yard for CONCRETE REMOVAL.

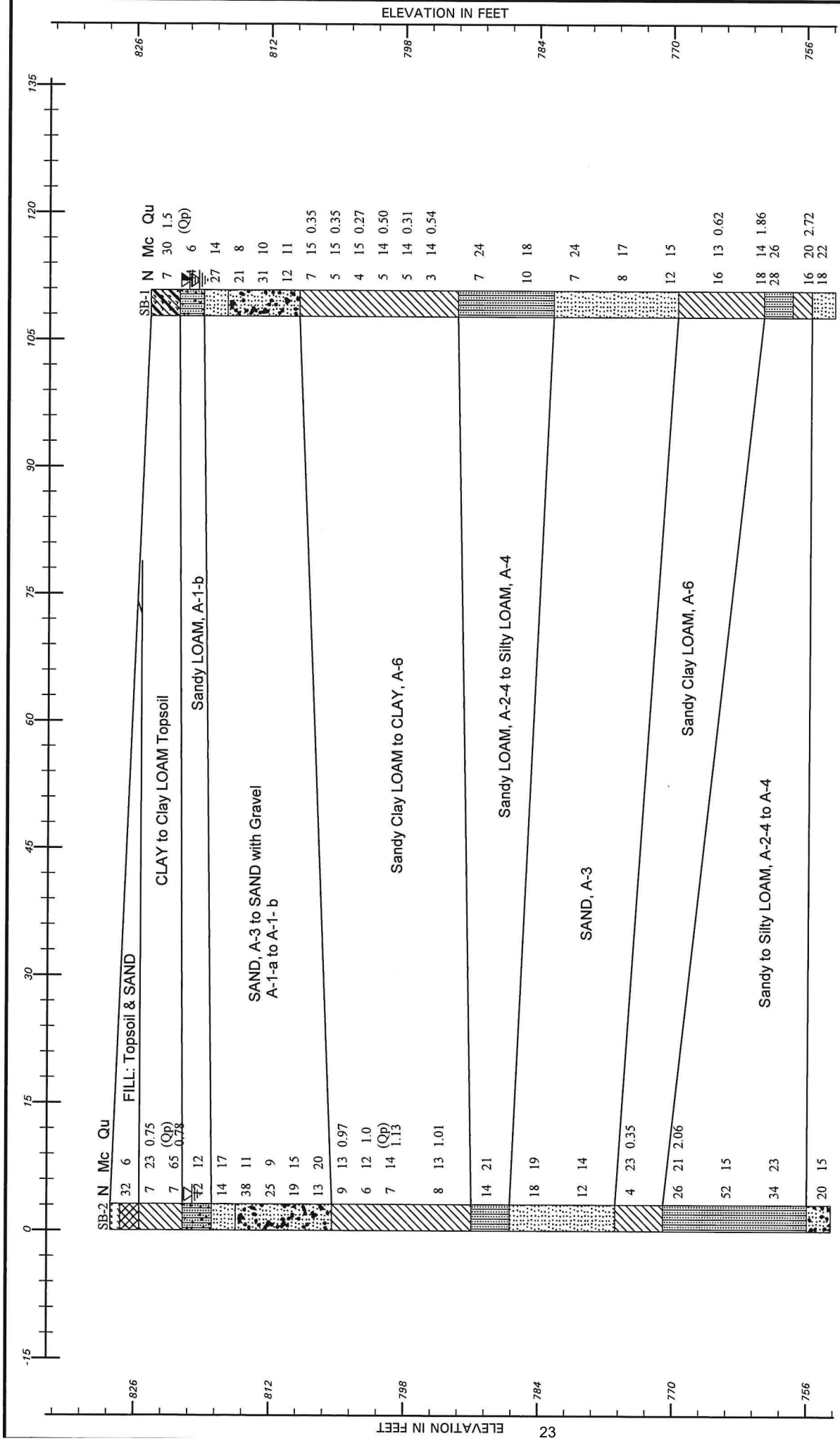
Great Western Trail, Segment 2

Sycamore, Illinois MSET Project No. 22318

Legend

- Soil Boring or Pavement Core





Midland Standard Engineering & Testing

GENERALIZED SOIL PROFILE

HORIZONTAL SCALE: 1"=100'

VERTICAL SCALE: 1"=10'

DRAWN BY/APPROVED BY

DATE DRAWN

Great Western Trail - Segment 2

PROJECT NO. 22318

FIGURE NUMBER

SB-1

SB-2

Plan View

23

MSET PROJECT NO.: 22318		LOG OF BORING NO. SB-1			Page 1 of 3		
PROJECT: Great Western Trail - Segment 2				SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889505.525 E, 1941079.022 N				CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		TOPSOIL - Black CLAY, A-7-6, stiff to black Sandy CLAY	824.5	SS	1	7	30			Hole Caved at 27.0' Upon Completion
5		Grey Sandy LOAM with Gravel, A-1-b, dense wet	821.5	SS	2	34	6			
		Brownish-Grey SAND (f-c), A-3, wet, medium dense	819.0	SS	3	27	14			
10		Grey SAND (f-c) with Gravel, A-1-a, wet, medium dense	816.5	SS	4	21	8			
		dense		SS	5	31	10			
				SS	6	12	11			
15		Grey Sandy Clay LOAM, A-6, soft to firm	809.0	SS	7	7	15	110	0.35	
20				SS	8	5	15	120	0.35	
				SS	9	4	15	114	0.27	
25				SS	10	5	14	121	0.50	
				SS	11	5	14	121	0.31	
30				SS	12	3	14	123	0.54	
35		Grey Sandy LOAM (fine), A-2-4, medium dense	792.5	SS	13	7	24			

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 5.0' IMMEDIATELY AFTER DRILLING: 4.0' DELAYED READING AFTER	 MSET	BORING STARTED: <u>1/18/23</u> BORING COMPLETED: <u>1/18/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. SB-1				Page 2 of 3		
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889505.525 E, 1941079.022 N					CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
40	[Pattern: Dotted]	Grey Sandy LOAM (fine), A-2-4, medium dense		SS	14	10	18			
45		Grey SAND (f-m), A-3, slightly dense to medium dense	782.5	SS	15	7	24			
50					SS	16	8	17		
55	[Pattern: Diagonal Lines]	Brown to Grey Sandy Clay LOAM, A-6, firm	769.5							
60					SS	18	16	13	119	0.62
65		Grey Clay LOAM, A-6, stiff	762.5	SS	19A	18	14	106	1.86	
		Brownish-Grey Sandy LOAM, A-2-4, wet, medium dense	760.5	SS	19B	28	26			
	[Pattern: Diagonal Lines]	Grey Clay LOAM, A-6, very stiff	757.5							
70					SS	20A	16	20	110	2.72
		Grey SAND (f-m), A-3, wet, medium dense	755.5	SS	20B	18	22			
75		Brownish-Grey Sandy LOAM (f-c), A-2-4, very dense	752.5							
				SS	21	41	13			

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 5.0' IMMEDIATELY AFTER DRILLING: 4.0' DELAYED READING AFTER	MSET	BORING STARTED: <u>1/18/23</u> BORING COMPLETED: <u>1/18/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 22318		LOG OF BORING NO. SB-1			Page 3 of 3		
PROJECT: Great Western Trail - Segment 2				SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889505.525 E, 1941079.022 N				CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
80	SS	Brownish-Grey Sandy LOAM (f-c), A-2-4, extremely dense	744.5	SS	22	50/ 4"	11			
		End of Boring at 80.0'								

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 5.0' IMMEDIATELY AFTER DRILLING: 4.0' DELAYED READING AFTER	 MSET	BORING STARTED: <u>1/18/23</u> BORING COMPLETED: <u>1/18/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. SB-2			Page 1 of 2		
PROJECT: Great Western Trail - Segment 2				SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889481.271 E, 1940973.957 N				CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		TOPSOIL - Black CLAY, A-7-6	828.4							
		FILL - Brown and Grey SAND (f-c) with Gravel, A-1, dense	827.4	SS	1	32	6			
		Black Clay LOAM, A-7-6, firm	825.4	SS	2	7	23		0.75 (Qp)	
5				SS	3	7	65	46	0.78	
		Grey Sandy LOAM, with Gravel, A-1-b, wet, medium dense	820.9	SS	4	12	12			
10		Grey SAND (f-m), A-3, wet, medium dense	817.9	SS	5	14	17			
		Grey SAND (f-c) with Gravel, A-1-b, dense to medium dense	815.4	SS	6	38	11			
15				SS	7	25	9			
				SS	8	19	15			
20				SS	9	13	20			
		Grey CLAY, A-6, firm to stiff	805.4	SS	10	9	13	106	0.97	
25				SS	11	6	12		1.0 (Qp)	
				SS	12	7	14	117	1.13	
30										
				SS	13	8	13	121	1.01	
35										
			790.9							

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 8.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER	 MSET	BORING STARTED: <u>1/20/23</u> BORING COMPLETED: <u>1/20/23</u> LOGGED BY: <u>MHP</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. SB-2				Page 2 of 2			
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois				
BORING LOCATION: 889481.271 E, 1940973.957 N					CLIENT: Engineering Resource Associates				

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS	
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf		
40	[Pattern: Dotted]	Grey Silty LOAM, A-4, medium dense		SS	14	14	21				
45		[Pattern: Dotted]	Grey SAND (fine), A-3, medium dense	786.9	SS	15	18	19			
50				SS	16	12	14				
	[Pattern: Diagonal Lines]	Brown Sandy Clay LOAM, A-6, soft	775.9	SS	17	4	23	94	0.35		
55											
	[Pattern: Dotted]	Grey Silty LOAM, A-4, medium dense to dense	770.9	SS	18	26	21	105	2.06		
60											
65					SS	19	52	15			
70				SS	20	34	23				
	[Pattern: Dotted]	Grey SAND (f-c) with Gravel, A-1-b, medium dense	755.9	SS	21	20	15				
75											
		End of Boring at 75.0'	753.4								

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 8.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER	 MSET	BORING STARTED: 1/20/23 BORING COMPLETED: 1/20/23 LOGGED BY: MHP BORING METHOD: HSA
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MSET PROJECT NO.: 22318		LOG OF BORING NO. B-1				Page 1 of 1			
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois				
BORING LOCATION: 889608.784 E, 1941224.555 N					CLIENT: Engineering Resource Associates				

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		Black CLAY, A-7-6 Topsoil, stiff Gravelly at 13"	824.5	SS	1	5	27		1.5 Qp	
		Black Clay LOAM, A-6 to A-7-6, moist, very soft	822.0	SS	2	1	22		0.25 Qp	
5		Grey SAND, A-3, wet, dense	819.5	SS	3	30	7			
	End of Boring at 7.5 feet	817.0								

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 5.0' IMMEDIATELY AFTER DRILLING: 3.8' DELAYED READING AFTER	 MSET	BORING STARTED: <u>1/17/23</u> BORING COMPLETED: <u>1/17/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. B-2			Page 1 of 1		
PROJECT: Great Western Trail - Segment 2				SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889487.25 E, 1940925.202 N				CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		FILL: Dark Brown & Grey CLAY, A-7-6, very stiff 828.1								
			SS	1	7	27		2.5 Qp		
5		Black Clay LOAM A-7-6 to A-8, stiff 824.6		SS	2	7	44		2.0 Qp	
		Black & Dark Grey Clay LOAM, A-6 moist, firm 822.6		SS	3A	2	24		0.5 Qp	
		821.6		SS	3B	14	11			
		Grey SAND, A-3, wet, medium dense 820.6								
		End of Boring at 7.5 Feet								

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 6.5' IMMEDIATELY AFTER DRILLING: Dry DELAYED READING AFTER		BORING STARTED: 1/17/23 BORING COMPLETED: 1/17/23 LOGGED BY: GPF BORING METHOD: HSA
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MSET PROJECT NO.: 22318		LOG OF BORING NO. B-3				Page 1 of 1		
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 889485.418 E, 1940450.203 N					CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		Black CLAY, A-6 to A-7-6 Topsoil (15")	830.7							
		Brown Clay LOAM, A-6, stiff	829.5	SS	1	5	31			1.0 Qp
5					SS	2	4	27	90	1.44
		Possible FILL: Dark Grey & Grey GRAVEL & Sand, A-1, wet, medium dense	825.2	SS	3	14	13			
		End of Boring at 7.5 Feet	823.2							

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING:  6.5' IMMEDIATELY AFTER DRILLING:  None DELAYED READING AFTER 	 MSET	BORING STARTED: <u>1/17/23</u> BORING COMPLETED: <u>1/17/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. B-4				Page 1 of 1				
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois					
BORING LOCATION: 889950.591 E, 1940359.391 N					CLIENT: Engineering Resource Associates					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		FILL: Black, trace Brown Clay LOAM, A-6, stiff 828.2		SS	1	6	25	97	1.5 Qp	
		FILL: Black, Dark Grey, & Grey CLAY, A-7-6, stiff 825.2		SS	2	3	23		0.78	
5		Grey Clay LOAM, trace fibers, A-6, moist, very soft 822.7		SS	3	2	22		0.25 Qp	
		Brown Grey SAND, A-3, wet, slightly dense 820.2		SS	4	7	12			
10		End of Boring at 10 Feet 818.2								
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 8.0' IMMEDIATELY AFTER DRILLING: 8.3' DELAYED READING AFTER		MSET			BORING STARTED: 1/17/23 BORING COMPLETED: 1/17/23 LOGGED BY: GPF BORING METHOD: HSA					

MSET PROJECT NO.: 22318		LOG OF BORING NO. B-5				Page 1 of 1		
PROJECT: Great Western Trail - Segment 2					SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 890038.102 E, 1939968.018 N					CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0	XXXX	FILL: Black CLAY with Cinders, A-6 (7-1/2")	836.0							
	XXXX	FILL: Brown SAND, A-3, slightly dense	835.4	SS	1	8	8			
	XXXX			SS	2	8	7			
5	XXXX	Brown Clay LOAM, A-6, stiff	830.5	SS	3	6	27	87	1.82	
		End of Boring at 7.5 Feet	828.5							

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: None IMMEDIATELY AFTER DRILLING: Dry DELAYED READING AFTER 	 MSET	BORING STARTED: <u>1/17/23</u> BORING COMPLETED: <u>1/17/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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MSET PROJECT NO.: 22318		LOG OF BORING NO. B-6			Page 1 of 1		
PROJECT: Great Western Trail - Segment 2				SITE LOCATION: Sycamore, Illinois			
BORING LOCATION: 890270.572 E, 1939815.419 N				CLIENT: Engineering Resource Associates			

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		Black CLAY, A-6 Topsoil (4")	834.5							
		FILL: Black, trace Brown Clay LOAM, with Cinders, A-6, stiff	834.2	SS	1	4	26		1.5 Qp	
		Dark Brown & Brown Clay LOAM, A-6, stiff	832.0	SS	2	5	28		1.28	
5		Brown Sandy LOAM, A-2-4, medium dense	829.0	SS	3	12	10			
		End of Boring at 7.5 Feet	827.0							

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: None IMMEDIATELY AFTER DRILLING: Dry DELAYED READING AFTER	 MSET	BORING STARTED: <u>1/17/23</u> BORING COMPLETED: <u>1/17/23</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
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Storm Water Pollution Prevention Plan



Route	Marked Route	Section Number
		21-P4006-03-BT
Project Number	County	Contract Number
	DeKalb	87843

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Date
<i>Jonelle Bailey</i>	7.16.25

Print Name	Title	Agency
Jonelle Bailey	Executive Director	Sycamore Park District

Note: Guidance on preparing each section of BDE 2342 can be found in Chapter 41 of the IDOT Bureau of Design and Environment (BDE) Manual. Chapter 41 and this form also reference the IDOT Drainage Manual which should be readily available.

I. Site Description:

A. Provide a description of the project location; include latitude and longitude, section, town, and range:

The project area is located within the City of Sycamore. The trail lies within Section 33 (NW), T41N, R5E and Section 32, T41N, R5E. The trail extends from the intersection of E. Page St. and Pleasant St. at Lat: 41°59'30.6"N, Long: 88°40'43.4"W to Old Mill Park at Lat: 41°59'44.9"N, Long 88°40'53.9"W.

B. Provide a description of the construction activity which is the subject of this plan. Include the number of construction stages, drainage improvements, in-stream work, installation, maintenance, removal of erosion measures, and permanent stabilization:

The proposed improvements of the project consist of construction of 1,970 LF of asphalt multi-use trail. There will also be installation of 300 LF boardwalk and an 80' steel pedestrian bridge. Silt fence and stabilized construction entrances will be installed first on the project. Tree clearing will then be performed adjacent to the river, followed by installation of the bridge piers and bridge. The boardwalk piers and superstructure will then be installed. Storm sewer installation will be performed concurrently with these structures. Excavation will be performed for the trail and compensatory storage areas. The trail will then be installed and paved, followed by restoration and seeding. The erosion control items will be removed after final stabilization.

C. Provide the estimated duration of this project:

6 months, beginning October 2025

D. The total area of the construction site is estimated to be 2.03 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is 1.55 acres.

E. The following are weighted averages of the runoff coefficient for this project before and after construction activities are completed; see Section 4-102 of the IDOT Drainage Manual:

Pre-project: 0.53; Post-project: 0.57

F. List all soils found within project boundaries; include map unit name, slope information, and erosivity:

Elburn silt loam, 0-2 percent slopes, K-factor (erosion factor) - 0.28; Otter silt loam, 0-2 percent slopes, K-factor (erosion factor) - 0.37

G. If wetlands were delineated for this project, provide an extent of wetland acreage at the site; see Phase I report:

Wetland Acreage - 0.15 ac

H. Provide a description of potentially erosive areas associated with this project:

Potentially erosive areas include the outfalls along the trail, the embankment slopes on either side of the trail in the higher grade areas, outfalls at the Kishwaukee River, and backfill adjacent to the bridge piers.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g., steepness of slopes, length of slopes, etc.):

The bridge and boardwalk installation phase will be performed after installation of the erosion control features. Disturbance will be limited to access to these areas only, and slopes are also very low at the access location. Erosion potential is low. Mass grading and utility installation will also be performed after installation of the erosion control measures for the installation of the trail. Existing slopes are low throughout the project, and proposed slopes will not be steeper than 3H:1V. Proposed slopes at 3:1 will be a maximum of 3' of grade difference.

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

Sycamore Park District will own the proposed storm sewers that drain directly to the river. City of Sycamore owns the storm sewer that the easternmost portion of the project will drain to.

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located:

City of Sycamore

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. In addition, include receiving waters that are listed as Biologically Significant Streams by the Illinois Department of Natural Resources (IDNR). The location of the receiving waters can be found on the erosion and sediment control plans:

East Branch South Branch Kishwaukee River

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes (i.e., 1:3 or steeper), highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc. Include any commitments or requirements to protect adjacent wetlands.

For any storm water discharges from construction activities within 50-feet of Waters of the U.S. (except for activities for water-dependent structures authorized by a Section 404 permit, describe: a) How a 50-foot undisturbed natural buffer will be provided between the construction activity and the Waters of the U.S. or b) How additional erosion and sediment controls will be provided within that area.

Waters of the US (East Branch South Branch Kishwaukee River) is directly adjacent to the project site. No impacts are proposed to the Waters of the US. As the proposed project involves a bridge over the river, a 50' buffer cannot be maintained. Silt fence will be installed as a temporary measure during construction, and riprap will be installed between the piers and the limits of the Waters of the US as permanent protection. There is also one wetland on the north side of the river. The wetland will have the minimum impacts as required for the boardwalk installation. The remainder of the wetland will be protected with silt fence and construction fencing.

O. Per the Phase I document, the following sensitive environmental resources are associated with this project and may have the potential to be impacted by the proposed development. Further guidance on these resources is available in Section 41-4 of the BDE Manual.

East Branch South Branch Kishwaukee River (wetlands, floodplain, floodway, 303(d) listed); threatened and endangered species (Indiana bat and northern long-eared bat)

- ☒ 303(d) Listed receiving waters for suspended solids, turbidity, or siltation.
The name(s) of the listed water body, and identification of all pollutants causing impairment:

East Branch South Branch Kishwaukee River: Barium, Oxygen (Dissolved), Phosphorous (Total), Sedimentation/Siltation

Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

Riprap will be placed at the discharge points from storm sewers. Silt fence will be placed across all areas downstream of disturbance activities. Seeding will be provided along the entire project site for erosion control. Native seeding will be utilized on all areas outside of the 2' clear zone for the trail locations adjacent to the wetlands and the Waters of the US.

Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

There is one location of direct discharge to the Kishwaukee River. This is a proposed 18" diameter reinforced concrete pipe on the south side of the river. Riprap gradation RR-3 will be utilized as permanent erosion protection at this outfall.

Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

There is no anticipated dewatering for the project.

- ☐ Applicable Federal, Tribal, State, or Local Programs

- ☒ Floodplain

There is regulatory floodplain throughout a majority of the project area. Regulatory floodway is also present.

- ☐ Historic Preservation

- ☐ Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
TMDL (fill out this section if checked above)

The name(s) of the listed water body:

Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

- ☒ Threatened and Endangered Species/Illinois Natural Areas (INA)/Nature Preserves

Indiana bat and northern long-eared bat. Trees will not be cleared between March 30 and September 30.

- ☐ Other

- ☒ Wetland

There is one wetland on the north side of the Kishwaukee River. The Kishwaukee River is a regulatory Waters of the US.

P. The following pollutants of concern will be associated with this construction project:

- | | |
|--|---|
| ☐ Antifreeze / Coolants | ☒ Solid Waste Debris |
| ☒ Concrete | ☐ Solvents |
| ☒ Concrete Curing Compounds | ☒ Waste water from cleaning construction equipments |
| ☒ Concrete Truck Waste | ☐ Other (Specify) _____ |
| ☐ Fertilizers / Pesticides | ☐ Other (Specify) _____ |
| ☒ Paints | ☐ Other (Specify) _____ |
| ☒ Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids) | ☐ Other (Specify) _____ |
| ☒ Soil Sediment | ☐ Other (Specify) _____ |

II. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in Section I.C above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. Erosion and Sediment Controls: At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. Stabilization Practices: Provided below is a description of interim and permanent stabilization practices, including site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II.B.1 and II.B.2, stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- | | |
|--|--|
| ☒ Erosion Control Blanket / Mulching | ☐ Temporary Turf (Seeding, Class 7) |
| ☐ Geotextiles | ☐ Temporary Mulching |
| ☒ Permanent Seeding | ☐ Vegetated Buffer Strips |
| ☒ Preservation of Mature Seeding | ☐ Other (Specify) _____ |
| ☒ Protection of Trees | ☐ Other (Specify) _____ |
| ☐ Sodding | ☐ Other (Specify) _____ |
| ☒ Temporary Erosion Control Seeding | ☐ Other (Specify) _____ |

Describe how the stabilization practices listed above will be utilized during construction:

Temporary fence will be installed as designated in the plans and special provisions to protect existing vegetation in wetland areas. Temporary erosion control barriers and seeding will be used downstream of all disturbed areas or stockpiles that remain unstabilized for more than seven days. Existing trees not called out for removal will be saved.

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Permanent seeding and erosion control blanket will be installed immediately after completion of final grading. Permanent riprap will be installed immediately after installation of the storm sewers.

C. Structural Practices: Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- | | |
|--|---|
| ☐ Aggregate Ditch | ☒ Stabilized Construction Exits |
| ☐ Concrete Revetment Mats | ☐ Stabilized Trench Flow |
| ☐ Dust Suppression | ☐ Slope Mattress |
| ☐ Dewatering Filtering | ☐ Slope Walls |
| ☐ Gabions | ☐ Temporary Ditch Check |
| ☐ In-Stream or Wetland Work | ☐ Temporary Pipe Slope Drain |
| ☐ Level Spreaders | ☐ Temporary Sediment Basin |
| ☐ Paved Ditch | ☐ Temporary Stream Crossing |
| ☐ Permanent Check Dams | ☐ Turf Reinforcement Mats |
| ☒ Perimeter Erosion Barrier | ☐ Other (Specify) _____ |
| ☐ Permanent Sediment Basin | ☐ Other (Specify) _____ |
| ☐ Retaining Walls | ☐ Other (Specify) _____ |
| ☐ Riprap | ☐ Other (Specify) _____ |
| ☒ Rock Outlet Protection | ☐ Other (Specify) _____ |
| ☐ Sediment Trap | ☐ Other (Specify) _____ |
| ☒ Storm Drain Inlet Protection | ☐ Other (Specify) _____ |

Describe how the structural practices listed above will be utilized during construction:

Perimeter erosion barrier and stabilized construction exits will be installed prior to any soil disturbance on site. The exits will be installed where the construction area abuts existing pavement. Inlet protection and rock outlet protection will be installed immediately after installation of the end sections or structures.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

Riprap/rock outlet protection shall be left in place permanently.

D. Treatment Chemicals

Will polymer flocculants or treatment chemicals be utilized on this project: ☐ Yes ☒ No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

E. Permanent (i.e., Post-Construction) Storm Water Management Controls: Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined based on the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT BDE Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

- Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Velocity dissipation devices (rip rap) will be installed at the outlet of each flared end section. Open vegetated swales will be installed adjacent to the trail where practical.

F. Approved State or Local Laws: The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the IEPA's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All work shall be performed in accordance with Section 9-11 with the Municipal Code of Sycamore.

G. Contractor Required Submittals: Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342A.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:
 - Approximate duration of the project, including each stage of the project
 - Rainy season, dry season, and winter shutdown dates
 - Temporary stabilization measures to be employed by contract phases
 - Mobilization time-frame
 - Mass clearing and grubbing/roadside clearing dates
 - Deployment of Erosion Control Practices
 - Deployment of Sediment Control Practices (including stabilized cons
 - Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
 - Paving, saw-cutting, and any other pavement related operations
 - Major planned stockpiling operation
 - Time frame for other significant long-term operations or activities that may plan non-storm water discharges as dewatering, grinding, etc
 - Permanent stabilization activities for each area of the project
2. During the pre-construction meeting, the Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:
 - Temporary Ditch Checks - Identify what type and the source of Temporary Ditch Checks that will be installed as part of the project. The installation details will then be included with the SWPPP.
 - Vehicle Entrances and Exits - Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
 - Material Delivery, Storage and Use - Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
 - Stockpile Management - Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
 - Waste Disposal - Discuss methods of waste disposal that will be used for this project.
 - Spill Prevention and Control - Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
 - Concrete Residuals and Washout Wastes - Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
 - Litter Management - Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
 - Vehicle and Equipment Fueling - Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - Vehicle and Equipment Cleaning and Maintenance - Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - Dewatering Activities - Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
 - Polymer Flocculants and Treatment Chemicals - Identify the use and dosage of treatment chemicals and provide the

sident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.

Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides (e.g., IDOT Erosion and Sediment Control Field Guide) to the Contractor for the practices associated with this project. Describe how all items will be checked for structural integrity, sediment accumulation and functionality. Any damage or undermining shall be repaired immediately. Provide specifics on how repairs will be made. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

Please see the maintenance notes provided in the Final Engineering Plans.

IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site including Borrow, Waste, and Use Areas, which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report, BC 2259. Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer shall notify the appropriate IEPA Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Failure to Comply:

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Great Western Trail Segment 2 Office Phone Number, if available: N/A

Physical Site Location (address, including number and street):

Proposed Trail & Bridge Alignment, E. North Avenue 250 to 1000 feet East of Route 23 & North to Kishwaukee River

City: Sycamore State: IL Zip Code: 60178

County: DeKalb Township: Sycamore

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.99506 Longitude: - 88.68181

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): May 1, 2023 Approximate End Date (mm/dd/yyyy): May 1, 2024

Estimated Volume of debris (cu. Yd.): 2,000

II. Owner/Operator Information for Source Site

Site Owner

Name: Sycamore Park District

Street Address: 480 Airport Road

PO Box: _____

City: Sycamore State: IL

Zip Code: 60178 Phone: 815-895-3365

Contact: _____

Email, if available: info@sycparks.org

Site Operator

Name: Engineering Resource Associates, Inc.

Street Address: 3s701 West Avenue, Suite 150

PO Box: _____

City: Warrenville State: IL

Zip Code: 60555 Phone: 303-790-9500

Contact: Drew Kustus, PE

Email, if available: akustus@eraconsultants.com

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

Samples were obtained from soil borings located in the area of construction. Discrete samples were obtained, screened, and tested for environmental contaminants.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

See First Environmental Laboratories, Inc. reports dated 1/30/23. Soil from the project must be delivered to a CCDD landfill located in a populated area. Population > 10,000.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

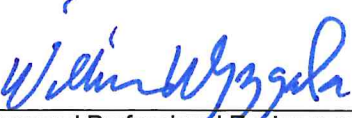
I, William J. Wyzgala (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Midland Standard Engineering & Testing, Inc.
Street Address: 410 Nolen Drive
City: South Elgin State: IL Zip Code: 60177
Phone: 847-844-1895

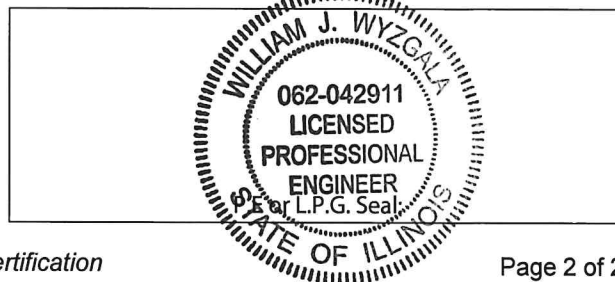
William J Wyzgala, P.E.

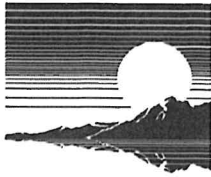
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1/31/2023

Date:





January 30, 2023

Mr. William Wyzgala
MIDLAND STANDARD ENG. & TESTING, INC.
410 Nolen Drive
South Elgin, IL 60177

Project ID: 22318, Great Western Trail
First Environmental File ID: 23-0559
Date Received: January 23, 2023

Dear Mr. William Wyzgala:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

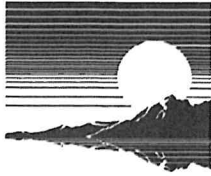
All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number:

1002922022-8: effective 02/10/2022 through 02/28/2023.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Joy Geraci
Project Manager



Case Narrative

MIDLAND STANDARD ENG. & TESTING, INC.

Lab File ID: **23-0559**

Project ID: **22318, Great Western Trail**

Date Received: **January 23, 2023**

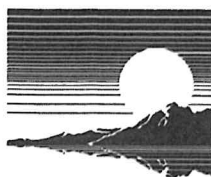
All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
23-0559-001	B-1 (1.0-2.5'): Blk Ln Cl W/ S	1/18/2023 15:30
23-0559-002	B-6 (1.0-2.5'): BR+Blk Ln Cl W/ S+	1/18/2023 15:45
23-0559-003	SB-2 (3.5-5.0'): Dk Br Clayey Sand	1/23/2023 9:30

Sample Batch Comments:

Sample acceptance criteria were met.



Case Narrative

MIDLAND STANDARD ENG. & TESTING, INC.

Lab File ID: **23-0559**

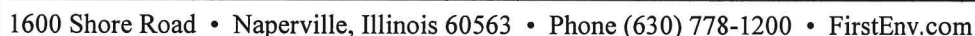
Project ID: **22318, Great Western Trail**

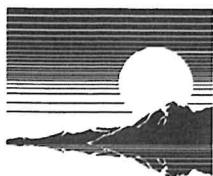
Date Received: **January 23, 2023**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
I	ICVS % rec outside 95-105% but within 90-110%		
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.





Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/18/23

Project ID: 22318, Great Western Trail

Time Collected: 15:30

Sample ID: B-1 (1.0-2.5'): Blk Ln Cl W/ S

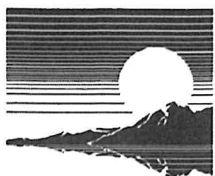
Date Received: 01/23/23

Sample No: 23-0559-001

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds				
Method: 5035A/8260B				
Analysis Date: 01/25/23				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds				
Method: 8270C				
Preparation Method 3540C				
Analysis Date: 01/26/23				
Preparation Date: 01/26/23				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	358	330	ug/kg	
Benzo(a)pyrene	319	90	ug/kg	
Benzo(b)fluoranthene	366	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/18/23

Project ID: 22318, Great Western Trail

Time Collected: 15:30

Sample ID: B-1 (1.0-2.5'): Blk Ln Cl W/ S

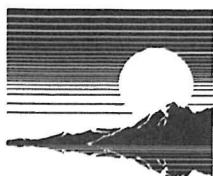
Date Received: 01/23/23

Sample No: 23-0559-001

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds	Method: 8270C	Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/26/23		
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	714	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	539	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	537	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Project ID: 22318, Great Western Trail

Sample ID: B-1 (1.0-2.5'): Blk Ln Cl W/ S

Sample No: 23-0559-001

Date Collected: 01/18/23

Time Collected: 15:30

Date Received: 01/23/23

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Method: 8270C		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/26/23		
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/25/23		
Aldrin	< 8.0	8.0	ug/kg	
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	< 160	160	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80.0	ug/kg	
Toxaphene	< 160	160	ug/kg	
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Arsenic	6.1	1.0	mg/kg	
Barium	164	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/18/23

Project ID: 22318, Great Western Trail

Time Collected: 15:30

Sample ID: B-1 (1.0-2.5'): Blk Ln Cl W/ S

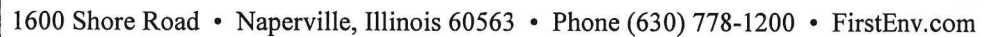
Date Received: 01/23/23

Sample No: 23-0559-001

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Chromium	13.5	0.5	mg/kg	
Lead	100	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury				
Method: 7471B				
Analysis Date: 01/24/23				
Mercury	0.08	0.05	mg/kg	
pH @ 25°C, 1:2				
Method: 9045D				
Analysis Date: 01/24/23 12:40				
pH @ 25°C, 1:2	7.89		Units	





Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/18/23

Project ID: 22318, Great Western Trail

Time Collected: 15:45

Sample ID: B-6 (1.0-2.5'): BR+Blk Ln Cl W/ S+ RAP

Date Received: 01/23/23

Sample No: 23-0559-002

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds				
Method: 5035A/8260B				
Analysis Date: 01/25/23				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds				
Method: 8270C				
Preparation Method 3540C				
Analysis Date: 01/26/23				
Preparation Date: 01/26/23				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	261	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Dibenzofuran	496	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Project ID: 22318, Great Western Trail

Sample ID: B-6 (1.0-2.5'): BR+Blk Ln Cl W/ S+ RAP

Sample No: 23-0559-002

Date Collected: 01/18/23

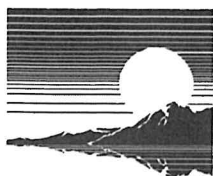
Time Collected: 15:45

Date Received: 01/23/23

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds		Method: 8270C		
Analysis Date: 01/26/23		Preparation Method 3540C		
		Preparation Date: 01/26/23		
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	532	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	1,540	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	604	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	960	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	446	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Project ID: 22318, Great Western Trail

Sample ID: B-6 (1.0-2.5'): BR+Blk Ln Cl W/ S+ RAP

Sample No: 23-0559-002

Date Collected: 01/18/23

Time Collected: 15:45

Date Received: 01/23/23

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Method: 8270C		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/26/23		
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/25/23		
Aldrin	< 8.0	8.0	ug/kg	
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	< 160	160	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80.0	ug/kg	
Toxaphene	< 160	160	ug/kg	
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Arsenic	9.7	1.0	mg/kg	
Barium	294	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/18/23

Project ID: 22318, Great Western Trail

Time Collected: 15:45

Sample ID: B-6 (1.0-2.5'): BR+Blk Ln Cl W/ S+ RAP

Date Received: 01/23/23

Sample No: 23-0559-002

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Metals	Method: 6010C	Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Chromium	20.7	0.5	mg/kg	
Lead	41.1	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	0.4	0.2	mg/kg	
Total Mercury	Method: 7471B			
Analysis Date: 01/24/23				
Mercury	0.14	0.05	mg/kg	
pH @ 25°C, 1:2	Method: 9045D			
Analysis Date: 01/24/23 12:40				
pH @ 25°C, 1:2	8.21		Units	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/23/23

Project ID: 22318, Great Western Trail

Time Collected: 9:30

Sample ID: SB-2 (3.5-5.0'): Dk Br Clayey Sand W/ G

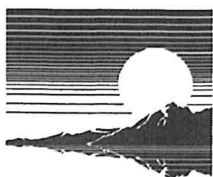
Date Received: 01/23/23

Sample No: 23-0559-003

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total				
Method: 2540G 2011				
Analysis Date: 01/24/23				
Total Solids	86.27		%	
Volatile Organic Compounds				
Method: 5035A/8260B				
Analysis Date: 01/25/23				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/23/23

Project ID: 22318, Great Western Trail

Time Collected: 9:30

Sample ID: SB-2 (3.5-5.0'): Dk Br Clayey Sand W/ G

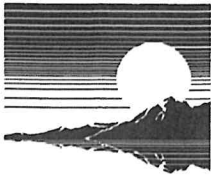
Date Received: 01/23/23

Sample No: 23-0559-003

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds				
Method: 5035A/8260B				
Analysis Date: 01/25/23				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds				
Method: 8270C				
Preparation Method 3540C				
Analysis Date: 01/26/23				
Preparation Date: 01/26/23				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	



**First
Environmental
Laboratories, Inc**

IL ELAP / NELAC Certification # 100292

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Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/23/23

Project ID: 22318, Great Western Trail

Time Collected: 9:30

Sample ID: SB-2 (3.5-5.0'): Dk Br Clayey Sand W/ G

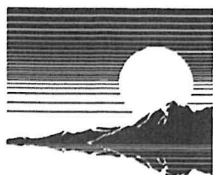
Date Received: 01/23/23

Sample No: 23-0559-003

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/26/23		
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Project ID: 22318, Great Western Trail

Sample ID: SB-2 (3.5-5.0'): Dk Br Clayey Sand W/ G

Sample No: 23-0559-003

Date Collected: 01/23/23

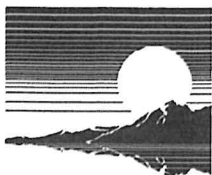
Time Collected: 9:30

Date Received: 01/23/23

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds				
Method: 8270C		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/26/23		
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Pesticides/PCBs				
Method: 8081A/8082		Preparation Method 3540C		
Analysis Date: 01/26/23		Preparation Date: 01/25/23		
Aldrin	< 8.0	8.0	ug/kg	
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	< 160	160	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80.0	ug/kg	
Toxaphene	< 160	160	ug/kg	
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Arsenic	3.3	1.0	mg/kg	
Barium	64.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	



Analytical Report

Client: MIDLAND STANDARD ENG. & TESTING, INC.

Date Collected: 01/23/23

Project ID: 22318, Great Western Trail

Time Collected: 9:30

Sample ID: SB-2 (3.5-5.0'): Dk Br Clayey Sand W/ G

Date Received: 01/23/23

Sample No: 23-0559-003

Date Reported: 01/30/23

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Metals	Method: 6010C	Preparation Method 3050B		
Analysis Date: 01/24/23		Preparation Date: 01/24/23		
Chromium	8.9	0.5	mg/kg	
Lead	9.4	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Total Mercury	Method: 7471B			
Analysis Date: 01/24/23				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2	Method: 9045D			
Analysis Date: 01/24/23 12:40				
pH @ 25°C, 1:2	7.99		Units	



Print Form

Page	of	Pgs
1	1	1

Company Name: Midland Standard Engineering & Testing, Inc.			
Street Address: 410 Nolen Drive			
City: South Elgin	State: IL	Zip: 60117	
Phone: 847-844-1895	Fax: 847-844-3875	e-Mail: office@msetinc.com	
Send Report To: William Wyzgala	Via Fax: ☐	Via e-Mail: ☒	
Sampled By: BMB			

[illegible]

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6°C	Yes ☒ No ☐	°C	Sample Refrigerated: Yes ☐ No ☐	°C	Containers Received Preserved: Yes ☐ No ☐
Received within 6 hrs of collection:			Refrigerator Temperature: _____		5035 Vials Frozen: Yes ☐ No ☐
Ice Present: Yes ☒ No ☐			Freezer Temperature: _____		

Notes and Special Instructions:

Relinquished By: 	Date/Time: 12/23/23	Received By: 	Date/Time: 12/23/23 12:30
Relinquished By:	Date/Time:	Received By:	Date/Time:

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

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

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

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

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

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

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

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

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

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

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

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

Density Verification Method	
☒	Cores
☐	Nuclear Density Gauge (Correlated when paving ≥ 3,000 tons per mixture)

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

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

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

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

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

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

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

AGGREGATE SUBGRADE IMPROVEMENT (BDE)

Effective: April 1, 2012

Revised: April 1, 2022

Add the following Section to the Standard Specifications:

“SECTION 303. AGGREGATE SUBGRADE IMPROVEMENT

303.01 Description. This work shall consist of constructing an aggregate subgrade improvement (ASI).

303.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Coarse Aggregate	1004.07
(b) Reclaimed Asphalt Pavement (RAP)	1031.09

303.03 Equipment. The vibratory roller shall be according to Article 1101.01, or as approved by the Engineer. Vibratory machines, such as tampers, shall be used in areas where rollers do not fit.

303.04 Soil Preparation. The minimum immediate bearing value (IBV) of the soil below the improved subgrade shall be according to the Department’s “Subgrade Stability Manual” for the aggregate thickness specified.

303.05 Placing and Compacting. The maximum nominal lift thickness of aggregate gradations CA 2, CA 6, and CA 10 when compacted shall be 9 in. (225 mm). The maximum nominal lift thickness of aggregate gradations CS 1, CS 2, and RR 1 when compacted shall be 24 in. (600 mm).

The top surface of the aggregate subgrade improvement shall consist of a layer of capping aggregate gradations CA 6 or CA 10 that is 3 in. (75 mm) thick after compaction. Capping aggregate will not be required when aggregate subgrade improvement is used as a cubic yard pay item for undercut applications.

Each lift of aggregate shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

303.06 Finishing and Maintenance. The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

303.07 Method of Measurement. This work will be measured for payment according to Article 311.08.

303.08 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) or ton (metric ton) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified.”

Add the following to Section 1004 of the Standard Specifications:

“1004.07 Coarse Aggregate for Aggregate Subgrade Improvement (ASI). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete. In applications where greater than 24 in. (600 mm) of ASI material is required, gravel may be used below the top 12 in (300 mm) of ASI.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.

(c) Gradation.

(1) The coarse aggregate gradation for total ASI thickness less than or equal to 12 in. (300 mm) shall be CA 2, CA 6, CA 10, or CS 1.

The coarse aggregate gradation for total ASI thickness greater than 12 in. (300 mm) shall be CS 1 or CS 2 as shown below or RR 1 according to Article 1005.01(c).

	COARSE AGGREGATE SUBGRADE GRADATIONS				
Grad No.	Sieve Size and Percent Passing				
	8”	6”	4”	2”	#4
CS 1	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 2		100	80 ± 10	25 ± 15	

	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)				
Grad No.	Sieve Size and Percent Passing				
	200 mm	150 mm	100 mm	50 mm	4.75 mm
CS 1	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20
CS 2		100	80 ± 10	25 ± 15	

(2) Capping aggregate shall be gradation CA 6 or CA 10.”

Add the following to Article 1031.09 of the Standard Specifications:

“(b) RAP in Aggregate Subgrade Improvement (ASI). RAP in ASI shall be according to Articles 1031.01(a), 1031.02(a), 1031.06(a)(1), and 1031.06(a)(2), and the following.

- (1) The testing requirements of Article 1031.03 shall not apply.
- (2) Crushed RAP used for the lower lift may be mechanically blended with aggregate gradations CS 1, CS 2, and RR 1 but it shall be no greater than 40 percent of the total product volume. RAP agglomerations shall be no greater than 4 in. (100 mm).
- (3) For capping aggregate, well graded RAP having 100 percent passing the 1 1/2 in. (38 mm) sieve may be used when aggregate gradations CS 1, CS 2, CA 2, or RR 1 are used in the lower lift. FRAP will not be permitted as capping material.

Blending shall be through calibrated interlocked feeders or a calibrated blending plant such that the prescribed blending percentage is maintained throughout the blending process. The calibration shall have an accuracy of ± 2.0 percent of the actual quantity of material delivered.”

80274

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

Effective: January 1, 2025

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

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

Revise Article 302.02 of the Standard Specifications to read:

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

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

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

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

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

“(c) Cement1001”

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

“(i) Ground Granulated Blast Furnace (GGBF) Slag1010”

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

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

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

Revise Article 352.02 of the Standard Specifications to read:

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

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

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

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

Revise Article 404.02 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

Revise Article 583.01 of the Standard Specifications to read:

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

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

“(a) Cement1001”

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

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

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

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

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

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

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

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

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

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

Revise Article 1017.01 of the Standard Specifications to read:

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

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

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

Revise Article 1019.02 of the Standard Specifications to read:

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

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

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

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

Revise Article 1019.05 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Revise Article 1021.01 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

Revise Article 1021.03 of the Standard Specifications to read:

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

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

Revise Article 1021.05 of the Standard Specifications to read:

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

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

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

Revise Article 1021.06 of the Standard Specifications to read:

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

Revise Article 1021.07 of the Standard Specifications to read:

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

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

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

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

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

Add Article 1021.08 of the Standard Specifications as follows:

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

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

Revise Article 1024.01 of the Standard Specifications to read:

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

Materials for the grout shall be according to the following.

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

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

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

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

Revise Article 1029.02 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

80460

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

CONCRETE SEALER (BDE)

Effective: November 1, 2023

Replace Section 1026 of the Standard Specifications with the following:

“SECTION 1026. CONCRETE SEALER

1026.01 General. Sealer types shall be according to the listing in AASHTO M 224. All concrete sealer types shall meet the sealer requirements of AASHTO M 224 when tested in accordance with AASHTO T 384. The sealer shall be listed on the Department’s qualified product list.

The sealer shall have a clear or amber color when dry.

The Department will perform the sealer characterization properties of ATR-FTIR spectra, total solids, and specific gravity in accordance with AASHTO M 224.”

80453

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000

Revised: January 2, 2025

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

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

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

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

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

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

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

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

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

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

EROSION CONTROL BLANKET (BDE)

Effective: August 1, 2025

Revise Article 251.02 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

Revise Article 251.07 of the Standard Specifications to read:

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

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

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

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

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

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

Revise Article 1081.10 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

The TRM shall meet the following physical and performance properties:

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

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

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

80467

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revised: January 1, 2025

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

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

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

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

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

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

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

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

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

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

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

80456

PAVEMENT MARKING (BDE)

Effective: April 1, 2025

Revised: November 1, 2025

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

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

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

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

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

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

80464

PAVEMENT PATCHING (BDE)

Effective: August 1, 2025

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

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

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

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

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

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

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

80468

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The following grades may be specified as tack coats.

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

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

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

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

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

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

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

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

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

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

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2024

Revised: April 1, 2024

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

80455

SEEDING (BDE)

Effective: November 1, 2022

Revise Article 250.07 of the Standard Specifications to read:

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

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

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

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

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

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

Notes:

- 1/ Seeding shall be performed when the ambient temperature has been between 45 °F (7 °C) and 80 °F (27 °C) for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.
- 2/ Seeding shall be performed in late fall through spring beginning when the ambient temperature has been below 45 °F (7 °C) for a minimum of seven (7) consecutive days and ending when the ambient temperature exceeds 80 °F (27 °C) according to the National Weather Service.
- 3/ Specific variety as shown in the plans or approved by the Engineer.
- 4/ Inoculation required.
- 5/ Pure Live Seed (PLS) shall be used.
- 6/ Fertilizer shall not be used.
- 7/ Seed shall be primed with KNO_3 to break dormancy and dyed to indicate such.

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

80445

SOURCE OF SUPPLY AND QUALITY REQUIREMENTS (BDE)

Effective: January 2, 2023

Add the following to Article 106.01 of the Standard Specifications:

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

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

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

80448

SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)

Effective: April 2, 2018

Add the following to Section 109 of the Standard Specifications.

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

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

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

80397

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

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

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

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

80391

SUBMISSION OF BIDDERS LIST INFORMATION (BDE)

Effective: January 2, 2025

Revised: March 2, 2025

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

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

80463

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021

Revised: November 2, 2023

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

“STATEMENTS AND PAYROLLS

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

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

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

- “3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 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.”

80437

SURVEYING SERVICES (BDE)

Effective: April 1, 2025

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

Delete Section 668 of the Standard Specifications.

80465

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

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

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

80439

WEEKLY DBE TRUCKING REPORTS (BDE)

Effective: June 2, 2012

Revised: January 2, 2025

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

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

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

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

80302

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 65 working days.

80071

PEDESTRIAN TRUSS SUPERSTRUCTURE

Effective: January 13, 1998

Revised: October 27, 2023

Description: This work shall consist of the design, fabrication, storage, delivery and erection of a welded steel, pedestrian truss superstructure. Also included in this work shall be the furnishing and installation of a deck, all bearings, anchors and/or retainers, railings, fencing and miscellaneous items as indicated on the plans.

Materials:

Truss. Structural steel shall conform to the requirements of Section 1006 of the Standard Specifications, ASTM A847 for cold formed welded square and rectangular tubing, AASHTO M270 Grade 50W (M270M 345W) for atmospheric corrosion resistant structural steel, as applicable, unless otherwise shown on the plans or approved by the Engineer. All structural steel field connections shall be bolted with high strength bolts. High strength bolts for unpainted weathering steel shall conform to ASTM F 3125 Grade A 325 (F 3125M Grade A 325M) (Type 3). For painted structures, the high strength bolts shall be mechanically galvanized according to the requirements of Article 1006.08(a) of the Standard Specifications.

Deck. The deck type shall be as specified on the plans. The materials shall comply with the applicable portions of the materials section of the Standard Specifications.

When specified for use, the concrete deck and stay-in-place forms shall be non composite. Metal Forms shall have a minimum thickness of 0.0359 in. (912 microns) or 20 Gage and shall be galvanized per ASTM A653 (A653M) with a G90 (Z275) min. coating designation.

Railing. The railing shall consist of a smooth rub rail, a toe plate and misc. elements, all located on the inside face of the truss.

Bearings. The bearing shall be designed and furnished as detailed in the plans, in the absence of details, the bearings details shall be as specified by the bridge manufacturer.

When specified for use, elastomeric bearings shall be according to Article 1083 of the Standard Specifications. Teflon surfaces shall be per Article 1083.02(b) of the Standard Specification and shall be bonded to the bearing plate.

Suppliers. The Department maintains a pre-qualified list of proprietary structural systems allowed for pedestrian truss superstructures. This list can be found on the Departments web site under Prequalified Structural Systems. The Contractor's options are limited to those systems pre-qualified by the Department on the date that the project is bid. These systems have been reviewed for structural feasibility and adequacy only. Presence on this list shall in no case relieve the Contractor of the site-specific design or QC/QA requirements stated herein.

The manufacturer shall provide evidence of current certification by AISC according to Article 106.08(b) of the Standard Specifications.

Design: The superstructure shall conform to the clear span, clear width, and railing configuration shown on the contract plans. The design shall be according to the LRFD Guide Specifications for the Design of Pedestrian Bridges. The design loads shall be as specified by the Guide Specification except as follows:

Design Wind Loads (P_z) for Pedestrian Trusses in Illinois		
Application	psf (kPa)	Applied to:
Circular Members	35 (1.68)	Projected vertical area of member
Flat Members	55 (2.63)	Projected vertical area of member
Signs	35 (1.68)	Projected vertical area of sign
Chain Link Fencing	10 (0.48)	Full projected area of fencing as if solid

The railings shall be designed per the appropriate Bridge Design Specifications for bicycle railings as shown on the plans. Smooth rub rails shall be attached to the bicycle railing and located at a bicycle handlebar height of 3.5 ft. (1.1 m) above the top of the deck.

Prior to beginning construction or fabrication, the Contractor shall submit design calculations and six sets of shop drawings for each pedestrian bridge to the Engineer for review and approval. In addition, for bridges with any span over 150 ft. (46 m), or over a State or Federal Route, or within the States Right-of-Way, a copy of the shop drawings will be reviewed and approved for structural adequacy, by the Bureau of Bridges and Structures prior to final approval of shop drawings. The shop drawings shall include all support reactions for each load type. The following certification shall be placed on the first sheet of the bridge shop plans adjacent to the seal and signature of the Structural Engineer:

“I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans and complies with the requirements of the Contract and the current ‘Guide Specifications for Design of Pedestrian Bridges’.”

The substructure is designed per the appropriate Bridge Design Specifications and based on the assumed truss loads, as shown on the plans. If the manufacturer’s design exceeds those loads and/or the substructure needs to be adjusted to accommodate the truss superstructure chosen, then the Contractor shall submit the redesign to the Engineer for approval prior to ordering any material or starting construction. All design calculations, shop drawings and redesigned substructure drawings shall be sealed by a Structural Engineer licensed in the State of Illinois.

Construction: Truss erection procedures shall be according to the manufacturer’s instructions. The deck shall be placed according to the applicable Sections of the Standard Specifications.

When weathering steel is used, all structural steel shall be prepared according to Article 506.07, except as follows. All visible surfaces shall be cleaned to a minimum SSPC-SP7 Brush Off Blast Cleaning. Visible surfaces include any surface that is visible from the deck or outside of

the structure. When weathering steel is used, no additional painting is required at the ends of the truss.

When painting is specified, all structural steel shall be cleaned and painted according to Section 506. The paint system shall be the Organic Zinc-Rich/Epoxy/Urethane System according to Article 506.08(b). The color of the finish coat shall be as specified in the plans.

The shop qualifications found in Article 506.06(a) of AISC Sophisticated Paint Endorsement or SSPC QP-3 qualifications need not be required for shop painting of pedestrian truss superstructures.

Method of Measurement: The pedestrian truss superstructure will be measured in square feet (square meters) of completed and accepted structure measured horizontally from back to back of abutments and within the clear path width as defined on the plans.

Basis of Payment: The pedestrian superstructure will be paid for at the contract unit price per square foot (square meter) for PEDESTRIAN TRUSS SUPERSTRUCTURE.

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.