

Bid Addendum No. 1
February 9, 2024

Subject: Cary Park District
Lions Park Pavement Improvements
February 13, 2024 Letting

To Prospective Bidders:

To clarify information, it is necessary to provide the following Bid Addendum No. 1 for the Cary Park District Lions Park Pavement Improvements. Bid Addendum No. 1 consists of a revised plan sheets and project manual pages.

*Contractors should consider the Bid Addendum No. 1 when preparing their bidding proposal. **Contractors must complete the appropriate section on the Bid Form (see project manual) to acknowledge the addendum and include with their bid submittal. Failure to incorporate all relevant addenda may cause the bid to be declared unacceptable.***

To assist in the review of the Bid Addendum No. 1 below is an index of the changes and updates:

BID CLARIFICATIONS

There is no bid bond requirement for this project.

IDOT prequalification in category 003 HMA Plant Mix will be required of all bidders on this project.

Bidders must complete, sign and submit the following forms with the proposal:

- Construction Bid Form
- Certificate of Compliance
- Contractor Qualification Form
- Sexual Harassment Policy Certification
- Drug-Free Workplace Certification
- Defense, Indemnity and Hold Harmless Agreement
- Legal Compliance and Insurance Agreement

PROJECT MANUAL

Specification for Completion Date:

The special provision for COMPLETION DATE has been revised to state a final completion date of October 4, 2024, including all punchlist items. The date of October 4, 2024 matches the other final completion dates stated elsewhere throughout the contract documents.

Specification for Salvaged Millings:

The special provision for SALVAGED MILLINGS has been revised to provide a range of gradation requirements, between CA-7 and CA-4, for on-site re-use in construction of the proposed improvements. It is the contractor's option to use SALVAGED MILLINGS. In the event SALVAGED MILLINGS are not used, aggregate base course material hauled onto the site must meet the gradation requirements of CA-6 as shown on the plans.

Geotechnical Investigation (Existing Pavement Cores):

The existing pavement cores report was inadvertently omitted from the Project Manual. The pavement cores report from Chicago Testing Laboratory, Inc. dated November 28, 2018 has been added to the Project Manual. The pavement cores report from Midland Standard Engineering & Testing dated August 1, 2023 has been added to the Project Manual.

Check Sheet for Recurring Special Provisions:

The Check Sheet for Recurring Special Provisions has been revised to add Construction Layout Stakes. Construction layout of the proposed improvements shall be performed by the contractor and included in the lump sum proposal.

Bid Form:

Paint Pavement Marking items have been added to the Supplemental Schedule of Unit Prices. The Contractor shall provide pricing for these items as part of the proposal.

PLANS

Typical Sections – Sheet 8:

The typical section for the proposed multi-use path north of the access road has been revised to show CA-7 aggregate base course (washed crushed stone or aggregate) with geotechnical fabric for ground stabilization.

ADA Ramp Grading Plans – Sheet 20:

The material callouts for the proposed multi-use path north of the access road has been revised to show CA-7 aggregate base course (washed crushed stone or aggregate) with geotechnical fabric for ground stabilization.

30.	PARKWAY RESTORATION (TOPSOIL, SEED & BLANKET)	SQ YD	_____
31.	PERIMETER EROSION BARRIER	FOOT	_____
32.	BITUMINOUS MATERIALS (PRIME COAT)	POUND	_____
33.	BITUMINOUS MATERIALS (TACK COAT)	POUND	_____
34.	WOOD POST AND RAIL FENCE	FOOT	_____
35.	AGGREGATE BASE COURSE REM. & REPL., 12"	SQ YD	_____
36.	AGGREGATE BASE COURSE, TYPE B (CA-6 CRUSHED)	TON	_____
37.	STONE RIP RAP, CLASS A3	TON	_____
38.	PAINT PAVEMENT MARKINGS, LINE 4"	FOOT	_____
39.	PAINT PAVEMENT MARKINGS, LINE 6"	FOOT	_____
39.	PAINT PAVEMENT MARKINGS, LINE 12"	FOOT	_____
40.	PAINT PAVEMENT MARKINGS, LETTERS & SYMBOLS	FOOT	_____

9. The following documents are attached to and made a condition of this Bid.

A. A tabulation of Subcontractors, Suppliers and other persons and organizations required to be identified in this Bid.

B. All documents as required in the "Instructions to Bidders".

10. Communications concerning this Bid shall be addressed to: Jeff Strzalka – HR Green
jstrzalka@hrgreen.com. (815) 759-8359.

The address of BIDDER indicated below.

The following address:

11. Terms used in this Bid which are defined in the General Conditions or Instructions will have the meanings indicated in the General Conditions or Instructions.

SUBMITTED on _____, 2024.

State Contractor License No. _____

If BIDDER is:

An Individual

By _____ (SEAL)
(Print Name) (Signature)

doing business as _____

Business Address: _____

Phone No.: _____

SPECIAL PROVISIONS

The following Special Provisions supplement the Illinois Department of Transportation's (IDOT) "Standard Specifications for Road and Bridge Construction," adopted January 1, 2022, (hereinafter referred to as the "Standard Specifications"); the "Manual on Uniform Traffic Control Devices for Streets and Highways" the "Manual of Test Procedures of Materials", in effect on the date of invitation for bids; the "Supplemental Specifications and Recurring Special Provisions," latest edition as indicated on the Check Sheet included herein, and Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition, which apply to and govern the improvements of the Cary Park District Lions Park Pavement Improvements, Village of Cary, McHenry County, Illinois. In case of conflict with any or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF WORK

This project consists of pavement asphalt resurfacing and associated drainage improvements of the adjacent pavements at the Cary Park District's Lions Park facility in the Village of Cary as shown on the location map and in the project plans.

DESCRIPTION OF WORK

The work shall include, but not limited to, earth excavation for widening, hot-mix asphalt surface removal, hot-mix asphalt binder course, hot-mix asphalt surface course, pipe underdrains, pavement striping and all incidental and collateral work necessary to complete the project as described herein.

COMPLETION DATE

This contract shall be completed, including all punchlist items, by October 4, 2024.

Should the Contractor fail to complete the work on or before the completion dates as specified, or within such extended time as may have been allowed by the Park District, the Contractor shall be liable to the Park District in the amount of \$2,500, not as a penalty but as liquidated damages, for each calendar day or a portion thereof of overrun in the contract time or such extended time as may have been allowed.

The Contractor will not be provided additional compensation for material or labor increases over the duration of the contract.

The Park District shall not be required to provide any actual loss in order to recover these liquidated damages provided herein. Furthermore, no provision of this clause shall be construed as a penalty, as such is not the intention of the parties.

A calendar day is every day shown on the calendar and starts at 12:00 midnight and ends at the following 12:00 midnight, twenty-four hours later.

½" of asphalt surface removal) or excavation and disposal of excess material. It is the intent to remove the pavement surface as required, so as to prepare the pavement for full-depth reclamation operations.

A portion of the millings may be stockpiled on-site at the locations designated on the plans for re-use by the contractor. Any additional aggregate required to bring the base course to proper grade will not be paid for separately.

Saw cutting shall be considered included.

Schedule.

In the full-depth reclamation areas, the Contractor will be required to commence full-depth reclamation operations within 5 calendar days; failure to do so shall result in a charge of \$1,000 per each calendar day over the above specified time.

The materials generated shall become property of the Contractor and shall be removed from the site of work at the end of the day. Failure to do so shall result in a charge of \$500 per each calendar day over the day of the removal operations.

SALVAGED MILLINGS

At the Contractor's option, salvaged millings may be stockpiled for the Contractor's use to re-spread, compact and prepare the parking lot areas for paving, pavement widening, and/or base course beneath proposed sidewalk, PCC parking stalls or HMA paths. The salvaged millings shall meet at gradation requirements between CA-7 and CA-4. Remaining millings upon completion of the project will become the property of the Contractor, and must be removed and disposed of off-site. The Contractor shall supply additional aggregate base course, if needed to meet the lines and grades shown in the plans, at not additional cost to the contract.

AGGREGATE BASE COURSE REMOVAL & REPLACEMENT, 12 INCH

Description:

This work shall consist of the removal of the existing aggregate base course to a minimum depth of 12 inches (12"), disposal of surplus material, compacting the subgrade and installation of Aggregate Base Course Type B to a minimum compacted thickness of 12 inches (12").

After the subgrade has been brought to a smooth grade and proper shape, it shall be compacted by use of vibratory rollers and/or compactors.

Replacement shall consist of installing CA-6 crushed aggregate. This work shall be done in accordance with the applicable articles of Section 351 of the Standard Specifications. This item shall also be used for subgrade removal and replacement.

EXPLORATION TRENCH, SPECIAL

Description.

This work shall be in accordance with Section 213 of the Standard Specifications insofar as applicable and noted herein.

Revise Article 213.01 to read:

"This work shall consist of excavating a trench at locations as directed by the Engineer for the purpose of locating existing sewer lines, water mains, sanitary sewers and other utilities within or adjacent to the proposed project limits."

Check Sheet for Recurring Special Provisions

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

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	53
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	56
3	<input type="checkbox"/> EEO	57
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	<input type="checkbox"/> Required Provisions - State Contracts	72
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	78
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	80
9	<input checked="" type="checkbox"/> Construction Layout Stakes	81
10	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	84
11	<input type="checkbox"/> Subsealing of Concrete Pavements	86
12	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	90
13	<input type="checkbox"/> Pavement and Shoulder Resurfacing	92
14	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	93
15	<input type="checkbox"/> Polymer Concrete	95
16	<input type="checkbox"/> Reserved	97
17	<input type="checkbox"/> Bicycle Racks	98
18	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	100
19	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	102
20	<input type="checkbox"/> English Substitution of Metric Bolts	103
21	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	104
22	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	105
23	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	113
24	<input type="checkbox"/> Reserved	129
25	<input type="checkbox"/> Reserved	130
26	<input type="checkbox"/> Temporary Raised Pavement Markers	131
27	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	132
28	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	135
29	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	<input type="checkbox"/> Longitudinal Joint and Crack Patching	142
31	<input type="checkbox"/> Concrete Mix Design - Department Provided	144
32	<input type="checkbox"/> Station Numbers in Pavements or Overlays	145



 PAVEMENT CORE LOCATION



CHICAGO TESTING LABORATORY, INC.

30W114 BUTTERFIELD ROAD
WARRENVILLE, IL 60555
PHONE: (630) 393-2851
FAX : (630) 393-2857

SCALE:
NTS

DRAWN BY:

JAR

CHECKED BY:

RW

DATE:

11/28/18

PAVEMENT CORE LOCATION PLAN
18EG215 - LIONS PARK PARKING LOTS
1200 SILVER LAKE ROAD
CARY, ILLINOIS 60013



**Chicago Testing
Laboratory, Inc.**

www.chicagotestinglab.com

30 W 114 Butterfield Road, Warrenville, IL 60055

Pavement Core Measurement Log

Project: Lions Park Parking Lots
Location: Cary, IL
Client: HR Green

Lab No.: 1811026
Date: 11/15/2018
Project No.: 18EG215

Core No. PC-1
Location Northwest Lot

<u>Material</u>	<u>Depth (in.)</u>	<u>Thickness (in.)</u>	<u>Remarks/Condition</u>
Asphalt Surface	0 to 1-1/2	1-1/2	Fair Condition
Asphalt Binder	1-1/2 to 4	2-1/2	Satisfactory Condition
Aggregate Base Course	4 to 6-1/2	2-1/2	
Gr, SANDY CLAY t. gravel	6-1/2 to 14+	7-1/2	Fill, Moisture Content = 17.9% 3" Cobbles encountered at 14"

Core No. PC-2
Location Center Lot

<u>Material</u>	<u>Depth (in.)</u>	<u>Thickness (in.)</u>	<u>Remarks/Condition</u>
Asphalt Surface	0 to 1-5/8	1-5/8	Fair Condition
Asphalt Binder	1-5/8 to 3-7/8	2-1/4	Satisfactory Condition
Aggregate Base Course	3-7/8 to 8	4-1/8	
Gr, SANDY CLAY t. gravel	8 to 10+	2	Fill, Moisture Content = 17.6% 3" Cobbles encountered at 10"

Core No. PC-3
Location Southwest Lot

<u>Material</u>	<u>Depth (in.)</u>	<u>Thickness (in.)</u>	<u>Remarks/Condition</u>
Asphalt Surface	0 to 1-1/2	1-1/2	Fair Condition
Asphalt Binder	1-1/2 to 3	1-1/2	Satisfactory Condition
Aggregate Base Course	3 to 7	4	
Br, SAND w/ gravel, clay	7 to 18	11	Fill
Br, SANDY CLAY t. gravel	18 to 21+	3	Native, Moisture Content = 10.9% 3" Cobbles encountered at 21"

Core No. PC-4
Location Park Entrance

<u>Material</u>	<u>Depth (in.)</u>	<u>Thickness (in.)</u>	<u>Remarks/Condition</u>
Asphalt Surface	0 to 1	1	Fair Condition
Asphalt Binder	1 to 3	2	Satisfactory Condition
Aggregate Base Course	3 to 7	4	
Br, SAND w/ gravel	7 to 18	11	Fill
Br, SAND t. gravel	18 to 28+	10	Native 3" Cobbles encountered at 28"

Boring/Core Location Map

Lions Park Pavement Improvements - Cary, IL
MSET Project No. 23549



Legend

- Soil Boring or Pavement Core



300 ft

Google Earth

PROJECT: **Lions Park - Pavement Improvements**




SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.226541° N, -88.249597° W**

CLIENT: **HR Green**

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		5" Black TOPSOIL / Vegetation	0.0							
		Brown Sandy Lean CLAY with Gravel, CL, firm	-0.4							
2				SS	1	7	12		0.9 Qp	
4		Brown Sandy Lean CLAY, CL, stiff	-3.5							
				SS	2	3	20		1.3 Qp	
6		Brown SAND with Silt and Gravel, SW-SM, medium dense to slightly dense	-6.0							
				SS	3	14	12			
8										
				SS	4	7	6			
10		End of Boring at 10.0'	-10.0							

Cave in at 7.0'

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING:  None
 IMMEDIATELY AFTER DRILLING:  Dry
 DELAYED READING AFTER 



BORING STARTED: 8/1/23
 BORING COMPLETED: 8/1/23
 LOGGED BY: MS
 BORING METHOD: HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.226543° N, -88.248397° W**

CLIENT: **HR Green**

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		Bituminous Concrete (3.5")	0.0							
		Granular Base Course	-0.3							
2		FILL - Dark Brown Lean CLAY with Sand, CL, firm	-1.3	SS	1	3	15		0.6 Qp	
4		Brown Silty SAND with Gravel, SM, medium dense	-3.5	SS	2	18	9			
6		Brown SAND with Silt and Gravel, SW-SM, dense to very dense	-6.0	SS	3	33	7			
8										
10				SS	4	50/8"	8			
		End of Boring at 10.0'	-10.0							

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: None
 IMMEDIATELY AFTER DRILLING: Dry
 DELAYED READING AFTER



BORING STARTED: 8/1/23
 BORING COMPLETED: 8/1/23
 LOGGED BY: MS
 BORING METHOD: HSA




PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.227715° N, -88.250919° W**

CLIENT: **HR Green**

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		Pavement: 4-1/4" Bit. Concrete over 7-1/2" Granular Base	0.0							
2		Brown Sandy Lean CLAY with Gravel, CL, firm	-1.0	SS	1	4	20		0.8 Qp	
4		Brown Silty SAND with Gravel, SM, slightly dense	-3.5	SS	2A	7	8		0.9 Qp	
		Brown SAND with Gravel, SW, medium dense	-4.5	SS	2B	29	5			
		End of Boring at 5.0'	-5.0							

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING:  None
 IMMEDIATELY AFTER DRILLING:  Dry
 DELAYED READING AFTER  None



BORING STARTED: 8/1/23
 BORING COMPLETED: 8/1/23
 LOGGED BY: MS
 BORING METHOD: HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.227702° N, -88.250304° W**

CLIENT: **HR Green**

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	Dry Unit Weight, pcf	
0		Pavement: 4" Bit. Concrete over 9-1/4" Granular Base	0.0						
2		FILL - Dark Brown Sandy Lean CLAY with Gravel, CL, firm	-1.1	SS	1A	7	14	91	0.85
2		Brown Sandy Lean CLAY, CL, stiff	-2.0	SS	1B	7	14		1.2 Qp
4		Brown SAND with Silt and Gravel, SW-SM, dense	-3.5	SS	2	33	7		
		End of Boring at 5.0'	-5.0						

WATER LEVEL OBSERVATIONS, ft.

DURING DRILLING:

IMMEDIATELY AFTER DRILLING:

DELAYED READING AFTER



BORING STARTED:

BORING COMPLETED:

LOGGED BY:

BORING METHOD:

8/1/23

8/1/23

MS

HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.227134° N, -88.250409° W**

CLIENT: **HR Green**

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS		REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Pavement: 4-1/2" Bit. Concrete over 12-3/4" Granular Base	0.0						
2		Brown Silty SAND with Gravel, SM, medium dense	-1.4	SS	1	22	9		
4				SS	2	24	9		
		End of Boring at 5.0'	-5.0						

WATER LEVEL OBSERVATIONS, ft.

DURING DRILLING:

IMMEDIATELY AFTER DRILLING:

DELAYED READING AFTER



MSET

BORING STARTED: 8/1/23

BORING COMPLETED: 8/1/23

LOGGED BY: MS

BORING METHOD: HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.227152° N, -88.251041° W**

CLIENT: **HR Green**

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Pavement: 4-1/2" Bit. Concrete over 4-1/2" Granular Base	0.0						
		FILL - Dark Brown Sandy Lean CLAY with Gravel, CL, very stiff	-0.8						
2		Brown Sandy Lean CLAY with Gravel, CL, very stiff	-2.0	SS	1	10	14		2.3 Qp
4		Brown SAND with Silt and Gravel, SW-SM, medium dense	-3.5	SS	2	16	7		
		End of Boring at 5.0'	-5.0						

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: None
 IMMEDIATELY AFTER DRILLING: Dry
 DELAYED READING AFTER



BORING STARTED: 8/1/23
 BORING COMPLETED: 8/1/23
 LOGGED BY: MS
 BORING METHOD: HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.226670° N, -88.250053° W**

CLIENT: **HR Green**

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Pavement: 3-1/2" Bit. Concrete over 7-7/8" Granular Base	0.0						
2		FILL - Dark Brown and Grey Sandy Lean CLAY, CL, very stiff	-1.0	SS	1	16	12		2.6 0p
4		Brown SAND with Silt and Gravel, SW-SM, very dense	-3.5	SS	2	50	12		
		End of Boring at 5.0'	-5.0						

WATER LEVEL OBSERVATIONS, ft.

DURING DRILLING:

IMMEDIATELY AFTER DRILLING:

DELAYED READING AFTER



MSET

BORING STARTED: 8/1/23

BORING COMPLETED: 8/1/23

LOGGED BY: MS

BORING METHOD: HSA

PROJECT: **Lions Park - Pavement Improvements**

SITE LOCATION: **Cary, IL**

BORING LOCATION: **42.226471° N, -88.250368° W**

CLIENT: **HR Green**

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS		REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Pavement: 2-1/2" Bit. Concrete over 3-1/2" Granular Base	0.0						
		Brown SAND with Silt and Gravel, SW-SM, medium dense	-0.5						
2				SS	1	24	16		
4				SS	2	20	7		
		End of Boring at 5.0'	-5.0						

WATER LEVEL OBSERVATIONS, ft.

DURING DRILLING:

IMMEDIATELY AFTER DRILLING:

DELAYED READING AFTER



MSET

BORING STARTED: 8/1/23

BORING COMPLETED: 8/1/23

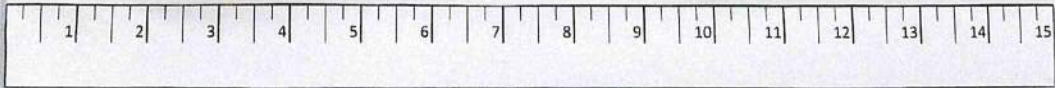
LOGGED BY: MS

BORING METHOD: HSA

PAVEMENT CORE MEASUREMENT LOG
Lions Park Pavement Improvements
Cary, Illinois

MSET #23549

Core No.	C-1 Parking Lot				
Location	42.227715°N, -88.250919°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 1- 3/8	1- 3/8		0.30	0.41
Binder Course	1- 3/8 to 4- 1/4	2- 7/8		0.25	0.72
Granular Base Course	4- 1/4 to 11- 1/2	7- 1/4	Crushed Gravel with Sand	0.10	0.73
Subgrade	11- 1/2 +		Brown Sandy Lean CLAY, CL Mc=-20%, N=4 bpf, Qu=0.8 tsf		1.86
Core No.	C-2 Parking Lot				
Location	42.227702°N, -88.250304°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 1- 1/4	1- 1/4		0.30	0.38
Binder Course	1- 1/4 to 4	2- 3/4		0.25	0.69
Granular Base Course	4 to 9- 1/4	5- 1/4	Crushed Gravel with Sand	0.10	0.53
Subgrade	9- 1/4 +		Brown Sandy Lean CLAY, CL Mc=14%, N=7 bpf, Qu=0.85 tsf		1.59
Core No.	C-3 Access Drive				
Location	42.227134°N, -88.250409°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 1- 1/4	1- 1/4		0.30	0.38
Binder Course	1- 1/4 to 4- 1/4	3		0.25	0.75
Granular Base Course	4- 1/4 to 17	12- 3/4	Crushed Gravel with Sand	0.10	1.28
Subgrade	17		Brown Silty SAND, SM Mc=9%, N=22 bpf		2.40
Core No.	C-4 Equipment Area				
Location	42.227152°N, -88.251041°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 2	2		0.30	0.60
Binder Course	2 to 4- 1/2	2- 1/2		0.25	0.63
Granular Base Course	4- 1/2 to 9	4- 1/2	Crushed Gravel with Sand, Some 3" Size	0.10	0.45
Subgrade	9 +		Dark brown and grey Sandy Lean CLAY, FILL Mc=14%, N=10 bpf, Qu=2.3 tsf		1.68
Core No.	C-5 Access Road				
Location	42.226670°N, -88.250053°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 1- 5/8	1- 5/8		0.30	0.49
Binder Course	1- 5/8 to 3- 5/8	2		0.25	0.50
Granular Base Course	3- 5/8 to 11- 1/2	7- 7/8	Crushed Gravel with Sand	0.10	0.79
Subgrade	11- 1/2 +		Dark brown and grey Sandy Lean CLAY, FILL Mc=12%, N=16 bpf, Qu=2.6 tsf		1.78
Core No.	C-6 Parking Lot				
Location	42.226471°N, -88.250368°W				
Material	Depth (in.)	Thickness (in.)	Remarks/Condition	coeff	sn
Surface Course	0 to 2- 1/2	2- 1/2		0.30	0.75
Granular Base Course	2- 1/2 to 6	3- 1/2	Crushed Gravel with Sand	0.10	0.35
Subgrade	6 +		Brown SAND and Silt, SW-SM Mc=16%, N= 24 bpf		1.10



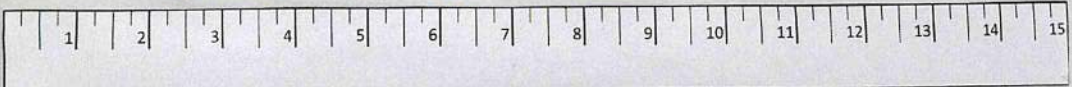
LIONS PARK-PAVEMENT IMPROVEMENTS

CARY, ILLINOIS

MSET File No. 23549

AUGUST 2023

C-1



LIONS PARK-PAVEMENT IMPROVEMENTS

CARY, ILLINOIS

MSET File No. 23549

AUGUST 2023

C-2



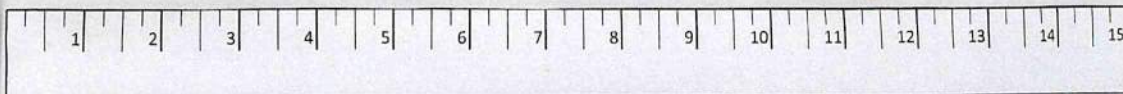
LIONS PARK-PAVEMENT IMPROVEMENTS
CARY, ILLINOIS
MSET File No. 23549 AUGUST 2023

C-3



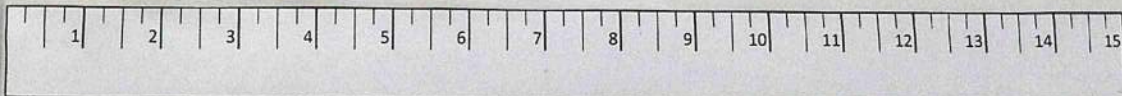
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CARY, ILLINOIS
MSET File No. 23549 AUGUST 2023

C-4



LIONS PARK-PAVEMENT IMPROVEMENTS
CARY, ILLINOIS
MSET File No. 23549 AUGUST 2023

C-5



LIONS PARK-PAVEMENT IMPROVEMENTS
CARY, ILLINOIS
MSET File No. 23549 AUGUST 2023

C-6

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2", SPECIAL
- (B) HOT-MIX ASPHALT PAVEMENT (SEE PAVEMENT CORES)
- (C) AGGREGATE SUBBASE (SEE PAVEMENT CORES)
- (D) AGGREGATE SHOULDERS
- (E) EXISTING MULTI-USE PATH
- (F) EXISTING GROUND

INDICATES REMOVAL

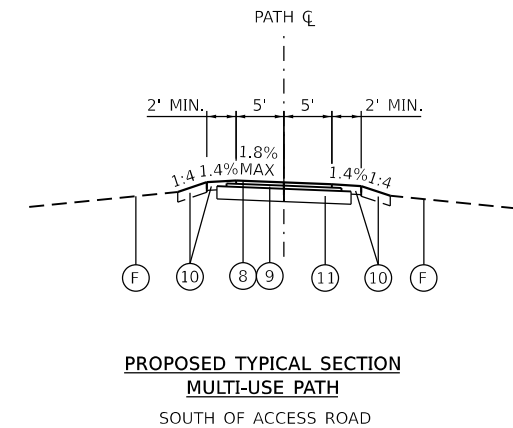
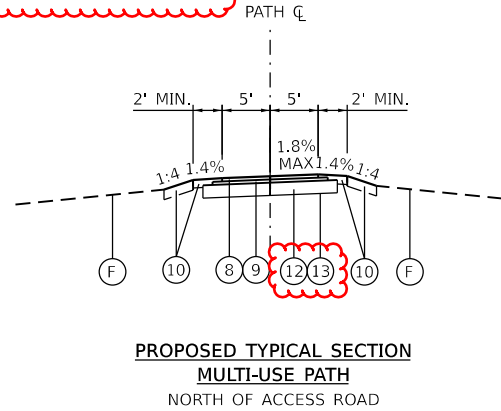
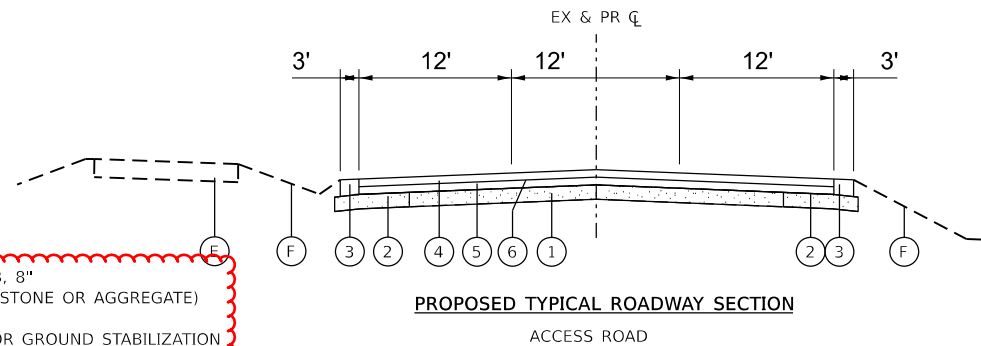
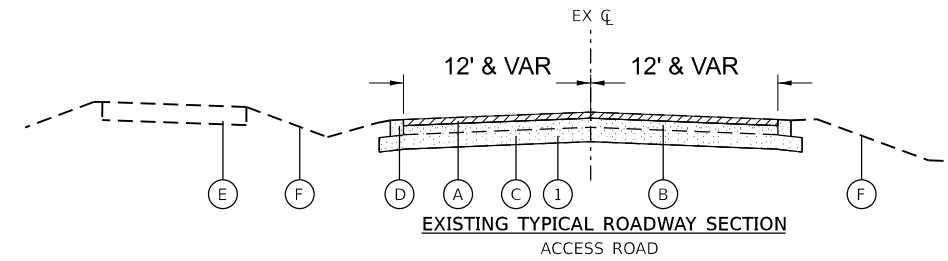
INDICATES FULL-DEPTH RECLAMATION W/CEMENT

PROPOSED LEGEND

- (1) FULL-DEPTH RECLAMATION WITH CEMENT, 10"
- (2) AGGREGATE BASE COURSE, SALVAGED, 10" (SQ YD) (EXIST HMA MILLINGS)
- (3) AGGREGATE SHOULDERS, TYPE B, 6"
- (4) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1 3/4"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 3/4"
- (6) BITUMINOUS MATERIALS (TACK COAT)
- (7) AGGREGATE SUBGRADE IMPROVEMENT, (CU YD) (AS DIRECTED BY THE ENGINEER.)- DEPTH 12"
- (8) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50; 2"
- (9) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 3/4"
- (10) SEEDING, CLASS 1A, EROSION CONTROL, BLANKET, WITH TOPSOIL FURNISH & PLACE, 6"
- (11) AGGREGATE BASE, SALVAGED; 8" (SQ YD) (EXIST HMA MILLINGS)

(12) AGGREGATE BASE, TYPE B, 8" (CA-7 WASHED CRUSHED STONE OR AGGREGATE)

(13) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
MULTI-USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	3.5% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 3/4"	3.5% @ 50 GYR.
ACCESS ROAD & PARKING LOT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	3.5% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 1/4"	3.5% @ 50 GYR.
MAINTENANCE AREA	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	3.5% @ 50 GYR.
HMA LEVEL BINDER COURSE, IL-9.5, N50, 3/4"	3.5% @ 50 GYR.

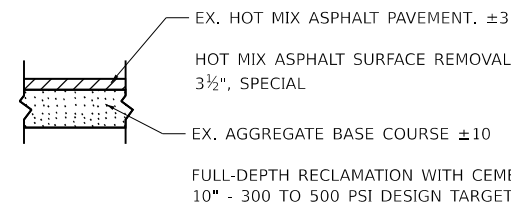
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE AC TYPE FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

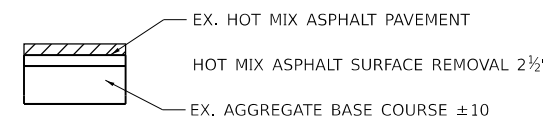
CONSTRUCTION NOTES:

CONTRACTOR TO SUBMIT CEMENT STABILIZATION MIX DESIGN FOR THE ENGINEER'S REVIEW ONE WEEK IN ADVANCE OF STABILIZATION OPERATIONS.

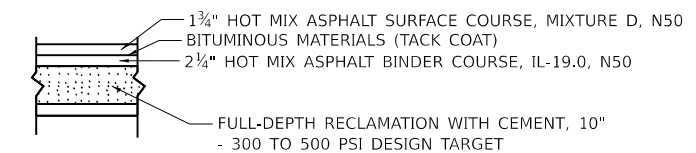


EXISTING HMA PARKING LOT PAVEMENT REMOVAL SECTION

UPPER PARKING LOT
LOWER PARKING LOT
UPPER PRE-SCHOOL LOT
LOWER PRE-SCHOOL LOT

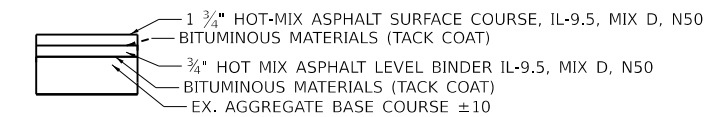


EXISTING HMA PARKING LOT MAINTENANCE AREA



PROPOSED HMA PARKING LOT PAVEMENT REMOVAL SECTION

UPPER PARKING LOT
LOWER PARKING LOT
UPPER PRE-SCHOOL LOT
LOWER PRE-SCHOOL LOT



PROPOSED HMA PARKING LOT MAINTENANCE AREA

CARY PARK DISTRICT

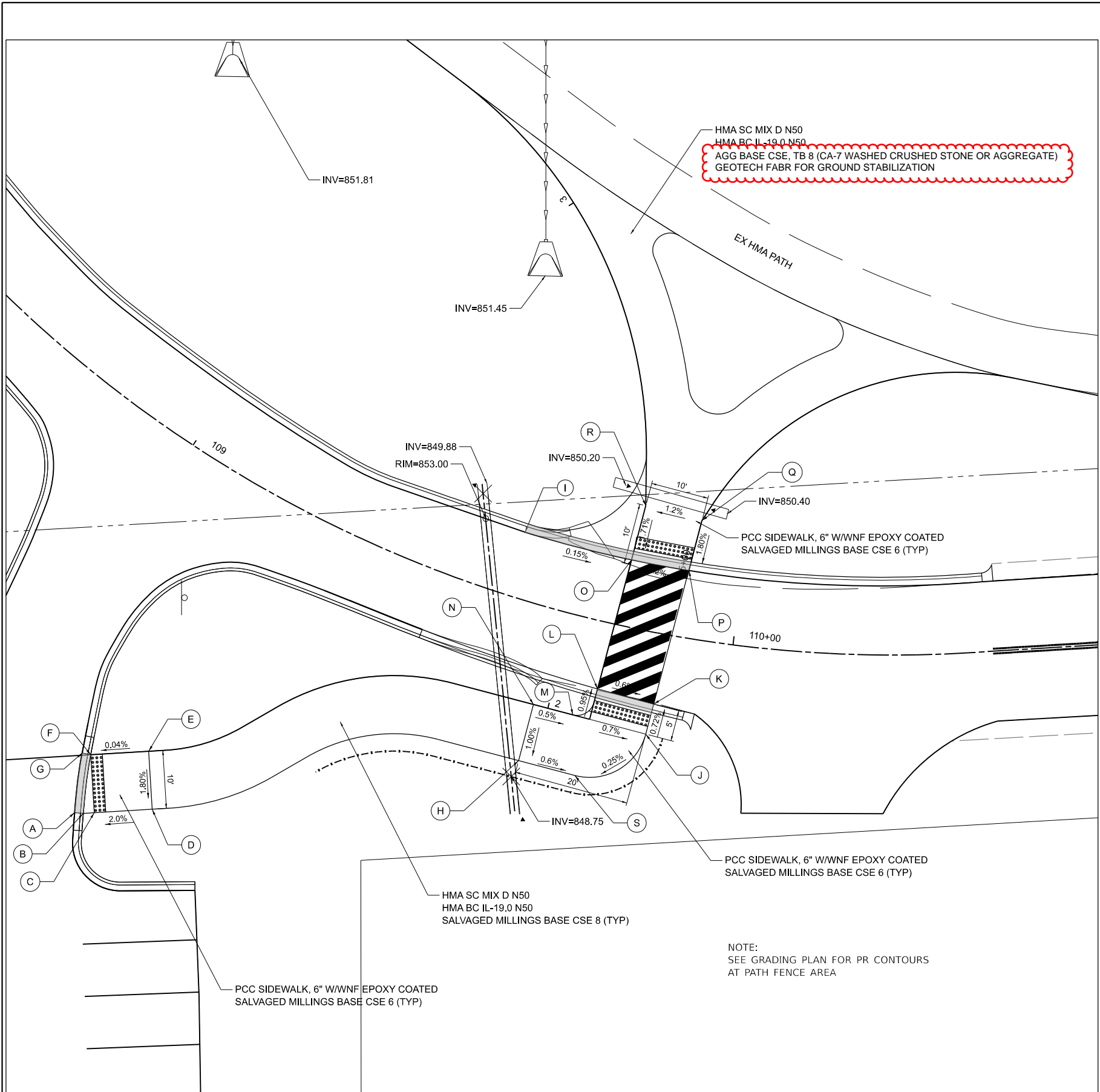
**TYPICAL SECTIONS
LIONS PARK**

SCALE: SHEET A001 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MCHENRY	38	8
CONTRACT NO.				

Long Section Number

USER NAME = jstrzal	DESIGNED -	REVISED - 02/09/2024
PLOT SCALE = 0.16666000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/8/2024	CHECKED -	REVISED -
	DATE -	REVISED -






HMA SC MIX D N50
HMA BC IL-19.0 N50
AGG BASE CSE, TB 8 (CA-7 WASHED CRUSHED STONE OR AGGREGATE)
GEOTECH FABR FOR GROUND STABILIZATION



TRAIL CONNECTION PATH ADA DETAILS

	ELEVATION
A	852.69
B	852.76
C	852.79
D	853.00
E	853.18
F	853.22
G	853.23
H	853.16
I	(852.92)
J	853.14
K	853.10
L	853.16
M	853.25
N	853.26
O	852.89
P	853.01
Q	853.19
R	853.07
S	853.10

LEGEND

-  DEPRESSED CURB
-  DETECTABLE WARNING
-  POINT
- xxx.xx EXISTING ELEVATION
- (xxx.xx) EXISTING ELEVATION

NOTES:

DETECTABLE WARNING PLATES SHALL BE NEENAH CAST IRON IN BRICK RED COLOR.

SEE RESURFACING PLANS FOR PAVEMENT MARKING DETAILS.

CA-7 LIMESTONE OR CRUSHED CONCRETE AGGREGATE BASE COURSE WILL NOT BE PERMITTED BENEATH THE PATH WITHIN 50' OF THE TREE DRIP LINE.

PATH EDGES OF EACH HMA LIFT SHALL BE HAND TAMPED AT 45 DEGREE -60 DEGREE ANGLES.

MODEL ADA sheets (sheet)
FILE NAME: 2024112_ada.dwg



USER NAME = txu	DESIGNED -	REVISED - 02/09/2024
	DRAWN -	REVISED -
PLOT SCALE = 0.16666000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/24/2024	DATE -	REVISED -

CARY PARK DISTRICT

ADA RAMP GRADING PLANS
LIONS PARK

SCALE: SHEET A003 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MCHENRY	38	20
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

Long Section Number