# THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

# ADDENDUM NO. 1 TO CONTRACT REQUIREMENTS FOR CONTRACT I-18-4372 ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: March 1, 2018

For which proposals will be received by the Illinois State Toll Highway Authority at its offices, 2700 Ogden Avenue, Downers Grove, Illinois 60515 until 10:30 A.M. local time, **March 20, 2018**.

# **NOTICE OF REVISION TO CONTRACT**

# **NOTES:**

- 1. The following revised Special Provision pages are included with this Addendum: J-72R and J-73R.
- 2. The following revised Contract Drawings are included with this Addendum: Drawings 2, 40, 41, 57, 58, 63, and 64.
- 3. The minutes and sign-in sheet for the Optional Pre-Bid Meeting held on February 26, 2018, accompany this Addendum.

# CHANGES TO THE CONTRACT REQUIREMENTS

# **CHANGES TO THE CONTRACT SPECIAL PROVISIONS**

# Change #1

Special Provisions, Volume II, replace pages J-72 and J-73 with J-72R and J-73R. (attached)

This change contains the following revision:

1.1 Revised Asphalt Shoulder and Pressure Relief Joint Repair special provision.

# **CHANGES TO THE CONTRACT DRAWINGS**

# Change #2

Contract Plans, Sheet 2 (attached)

This change contains the following revision:

2.1 Revised Asphalt Mixes for Pavements/Shoulders table.

## Change #3

Contract Plans, Sheets 40 and 41. (attached)

This change contains the following revision:

3.1 Revised Note 2.

#### Change #4

Contract Plans, Sheets 57, 58, 63, and 64. (attached)

This change contains the following revision:

- 4.1 Revised bridge decks of Bridge No. 347, 348, 353, and 354 to be in a single plane from parapet to parapet.
- 4.2 Revised the braces of Bridge No. 347 and 348 to be staggered.

### **END OF ADDENDUM CHANGES**

# ASPHALT SHOULDER AND PRESSURE RELIEF JOINT REPAIR (Illinois Tollway)

Effective: September 21, 2011 Revised: February 20, 2018

**Description.** This work shall consist of partial depth or full depth sawcutting and satisfactorily removing existing pavement and reinforcement, restoration of substrate, tack coating and priming exposed surfaces, and furnishing, placing, and compacting asphalt mixtures in sufficient lifts with adequate equipment to obtain the specified densities for the class and type of patch specified at the designated locations or as directed by the Engineer. ASPHALT PRESSURE RELIEF JOINTS fully replaced shall be classified as Class D1 or D3 patches of the type specified at designated locations. ASPHALT PRESSURE RELIEF JOINT REPAIRS shall be classified as Class D4 patches of the type and thickness specified at designated locations. Removal and replacement of pavement shall be in accordance with Section 442 of the Standard Specifications except as modified herein. When WMA mixtures are required by design, an HMA mixture may be utilized for special or low tonnage applications in lieu of WMA mixtures upon approval by the Engineer at no additional cost to the Illinois Tollway. When HMA mixtures are required by design, a WMA mix may be utilized for special or low tonnage application in lieu of HMA mixtures upon approval by the Engineer at no additional cost to the Illinois Tollway.

Revise Article 442.01 of the Standard Specifications to read.

442.01 Description. This work shall consist of the removal of the existing pavement, the necessary excavation and the replacement with the class and type of patch specified at designated locations.

This work will be classified as follows:

Class A Patches: Pavement Removal and Continuously Reinforced Portland Cement

Concrete Replacement

Class B Patches: Pavement Removal and Portland Cement Concrete Replacement

Using Dowels or Tie Bars

Class C Patches: Pavement Removal and Portland Cement Concrete Replacement

Class D1 Patches: Pavement Removal and Asphalt Mixture Replacement with Binder

Course below Top 2 inches and Surface Course for the Top 2 inches

Class D2 Patches: Pavement Removal following Shoulder Surface Removal and Asphalt

Mixture Replacement with Binder Course up to the elevation of the

removed surface

Class D3 Patches: Pavement Removal and Asphalt Mixture Replacement with Binder

Course

Class D4 Patches: Partial Depth Pavement Removal to the specified depth and

Replacement with Binder Course below the Top 1.5 inches and

Surface Course for the Top 1.5 inches

For each of the above classifications, the work on a lane width or less shall be further quantified by size as follows:

Type I Less than 5 sq yd

Type II 5 sq yd or more, but less than 15 sq yd Type III 15 sq yd or more, but less than 25 sq yd

Type IV 25 sq yd or more

**Materials.** WMA and HMA mix designs and production shall be in accordance with the special provision for ASPHALT BINDER AND SURFACE COURSE MIXTURES. All other materials for patching shall comply with Article 442.02 of the Standard Specifications.

Revise the second paragraph of Article 442.11 of the Standard Specifications to read.

Where the Illinois Tollway requires a specific class of patch be used, this work will be paid for at the contract unit price per square yard for CLASS D2 PATCHES, of the class, mix type and thickness specified.

Pay Item Number	Designation	Unit of Measure
JI442416	CLASS D2 PATCHES, TYPE I, 7 INCHES	SQ YD
JI442420	CLASS D2 PATCHES, TYPE II, 7 INCHES	SQ YD
JI442424	CLASS D2 PATCHES, TYPE III, 7 INCHES	SQ YD
JI442428	CLASS D2 PATCHES, TYPE IV, 7 INCHES	SQ YD

#### **INDEX OF DRAWINGS**

DWG. NO	SHEET NO.	<u>DESCRIPTION</u>
1	CV-1	TITLE SHEET
2	IN-1	INDEX OF DRAWINGS AND LIST OF STANDARDS
3	GEN-1	GENERAL NOTES
4	PS-1	SUGGESTED PROGRESS SCHEDULE
5	AT-1	ALIGNMENT AND TIES
6	SOQ-1	SUMMARY OF QUANTITIES
7	SCH-1	SCHEDULE OF QUANTITIES
8-11	TYP-1 to TYP-4	TYPICAL SECTIONS
		MAINTENANCE OF TRAFFIC PLAN
12	MTN-1	MAINTENANCE OF TRAFFIC STAGING SEQUENCE
13-15	MTT-1 to MTT-3	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
16-21	MOT-1 to MOT-6	MAINTENANCE OF TRAFFIC PLANS - STAGE 1
22-24	MOT-7 to MOT-9	MAINTENANCE OF TRAFFIC PLANS - STAGE 1A
25-32	MOT-10 to MOT-17	MAINTENANCE OF TRAFFIC PLANS - STAGE 2
		ROADWAY REMOVAL PLAN
33-38	REM-1 to REM-6	ROADWAY REMOVAL PLANS
		ROADWAY PLAN
39-44	RDY-1 to RDY-6	PROPOSED ROADWAY PLANS
		UTILITY MATRIX
45	UTL-1	UTILITY MATRIX
		EROSION AND SEDIMENT CONTROL PLAN
46	ES-1	EROSION AND SEDIMENT CONTROL SCHEDULE
47-52	ESC-1 to ESC-6	EROSION AND SEDIMENT CONTROL PLANS
		PAVEMENT MARKING AND SIGNING PLAN
53-54	PMK-1 to PMK-2	PAVEMENT MARKING AND SIGNING PLANS
		BEAM FABRICATIONBRIDGE NO. 347 & 348
55-60	SA-1 to SA-6	BEAM FABRICATION BRIDGE NO. 347 & 348
		BEAM FABRICATION BRIDGE NO. 353 & 354
61-66	SB-1 to SB-6	BEAM FABRICATION BRIDGE NO. 353 & 354

#### **IDOT STANDARD DRAWINGS**

STANDARD NO.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS AREAS OF REINFORCEMENT BARS 000001-06

001001-02 DECIMAL OF AN INCH AND OF A FOOT 001006

442201-03 CLASS C AND D PATCHES

701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

#### **TOLLWAY STANDARD DRAWINGS**

#### STANDARD NO. AND TITLE

# SECTION A - ROADWAY / PAVEMENT

A18-03 PRECAST PAVEMENT SLABS

#### SECTION B - DRAINAGE STRUCTURES, CURBS, CURBS & GUTTER AND DITCHES

B19-02 EROSION PROTECTION

#### SECTION C - GUARDRAIL / MEDIAN BARRIER

# SECTION D - ROADWAY APPURTENANCES

D2-04 SYMBOLS AND PATTERNS

PAVEMENT MARKING AND SHOULDER RUMBLE STRIP DETAILS D6-07

#### SECTION E - MAINTENANCE OF TRAFFIC

E1-06 CONSTRUCTION SIGNS E2-07 LANE CLOSURE DETAILS E3-06 SHOULDER CLOSURE DETAILS

#### SECTION F - SIGN STRUCTURE

NONE

#### SECTION G - STRUCTURAL

NONE

#### SECTION H - ROADWAY LIGHTING AND ELECTRICAL

NONE

### SECTION K - TEMPORARY EROSION CONTROL

TEMPORARY EROSION AND SEDIMENT CONTROLS

# ASPHALT MIXES FOR PAVEMENTS/SHOULDERS

LOCATION	OPERATIONS	CODE	ITEM	UNIT	VOIDS		TYPICAL HICKNESS	MIX TYPE
AS INDICATED BY DESIGN	SHOULDER OVERLAY	JI406510	WARM-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4% @ 70 GYR		2.00"	WARM MIX ASPHALT SURFACE COURSE, IL-9.5 MIX D, N70 (1)
	SHOULDER PATCHING	JI442416 JI442420 JI442424 JI442428	CLASS D2 PATCHES, TYPE I, 7 INCHES CLASS D2 PATCHES, TYPE II, 7 INCHES CLASS D2 PATCHES, TYPE IIII, 7 INCHES CLASS D2 PATCHES, TYPE IV, 7 INCHES	SQ YD	3% @ 50 GYR	(2 EC	7.00" QUAL LIFTS)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0. N50 (1)

### **IDOT MIXTURES TABLE**

MIXTURE TYPE		THICKNESS	MIX TYPE	VOIDS © Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
1	FRONTAGE ROAD				
HOT-MIX ASPHALT	BINDER COURSE, IL-19.0, N50	4''	IL 19.0 mm	4% @ 50 Gyr.	QA/QC
HOT-MIX ASPHALT	SURFACE COURSE, MIX "D", N50	2''	IL 9.5 mm	4% @ 50 Gyr.	QA/QC

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)

#### **TOLLWAY MIXTURE NOTES:**

1. QUANTITIES OF WARM AND HOT MIX ASPHALT ARE BASED ON THE UNTI WEIGHT OF 112.0 LBS/SQYD/IN

### **IDOT MIXTURE NOTES:**

- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- 2. FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- 3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- 4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

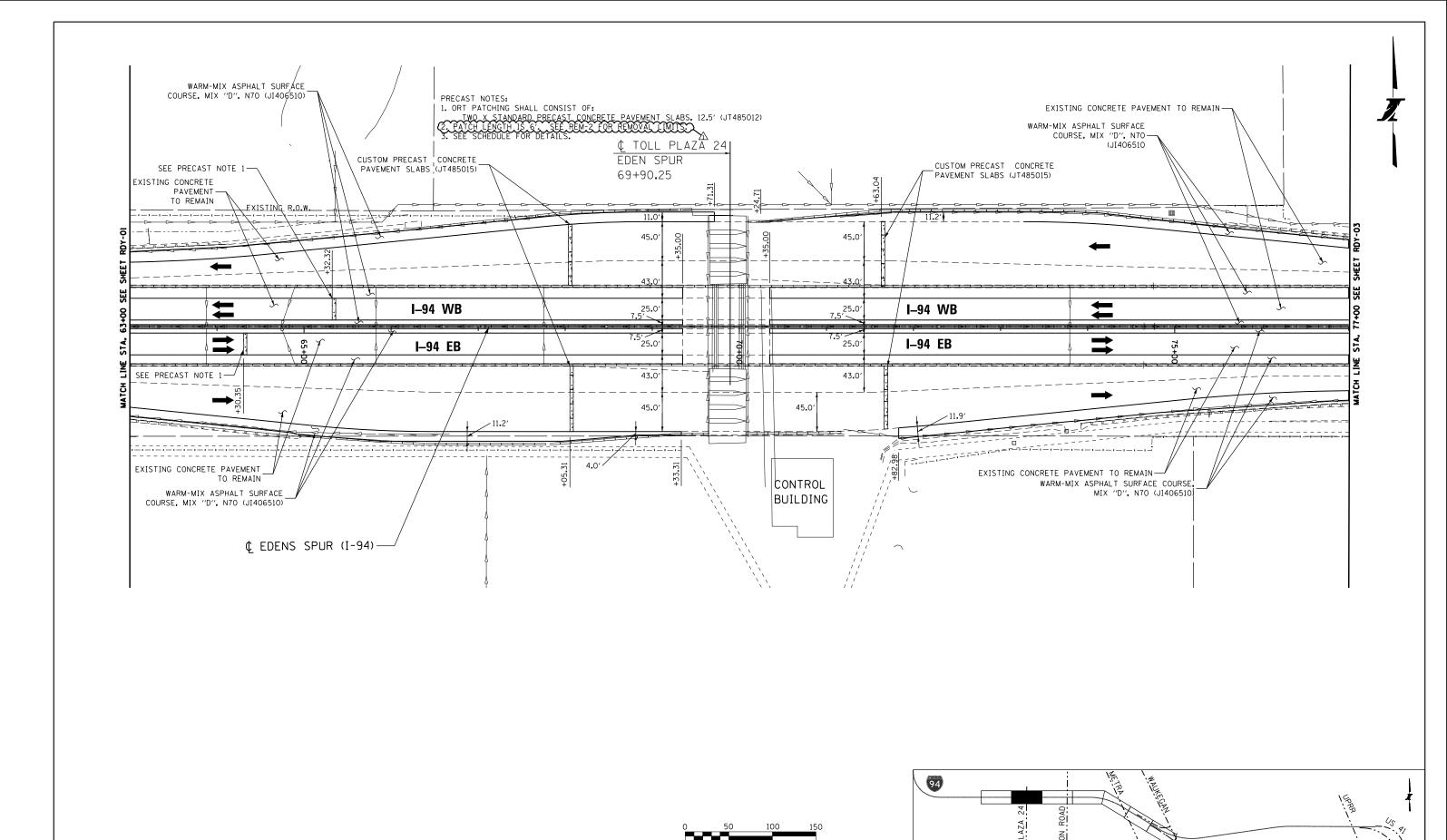
DATE 2/16/2018 DRAWN BY YS DATE 2/18/2018 CHECKED BY TRK



6th Floor Chicago, IL 60622



		REVISIONS	CONTRACT NO. I-18-4372	SHT	NO	IN-1
NO.	DATE	DESCRIPTION	CONTRACT NO. 1-10-4312	301	NO.	IIA-I
$\triangle$	3-1-2018	ADDENDUM NO. 1	INDEX OF DRAWINGS AND	DRA	WING	NO.
			LIST OF STANDARDS	2	OF	66
			LIST OF STANDARDS		OF.	00

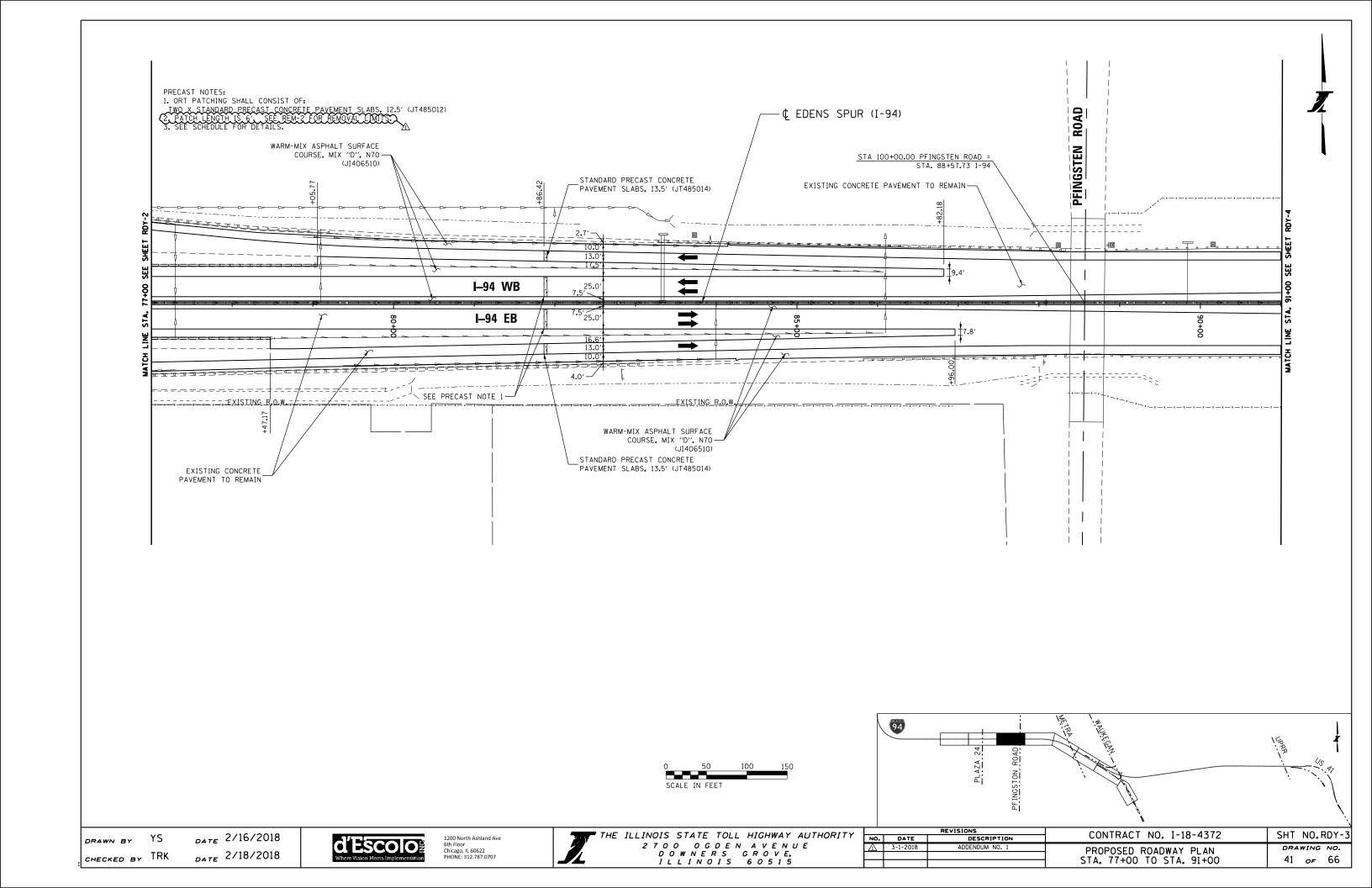


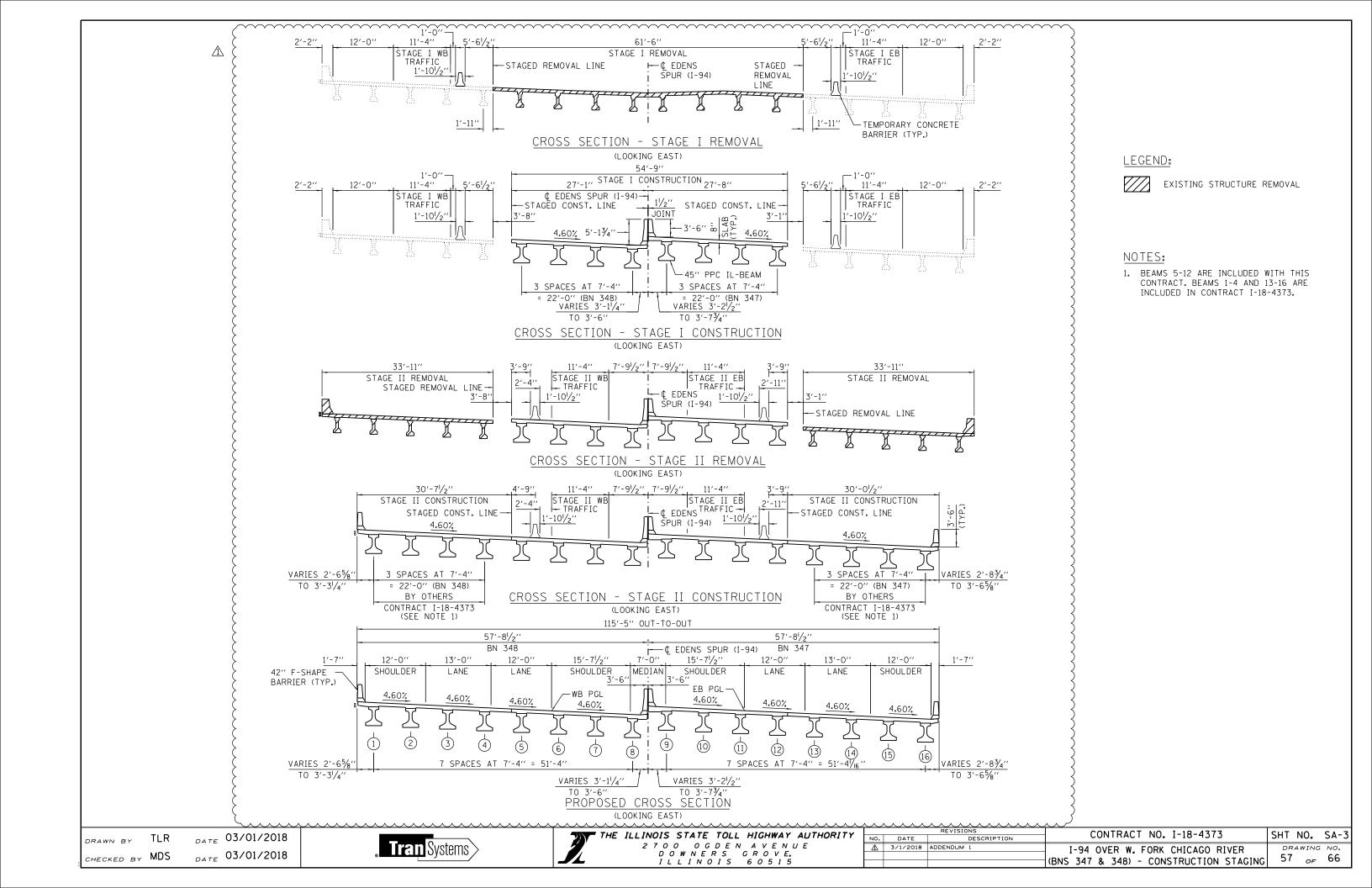


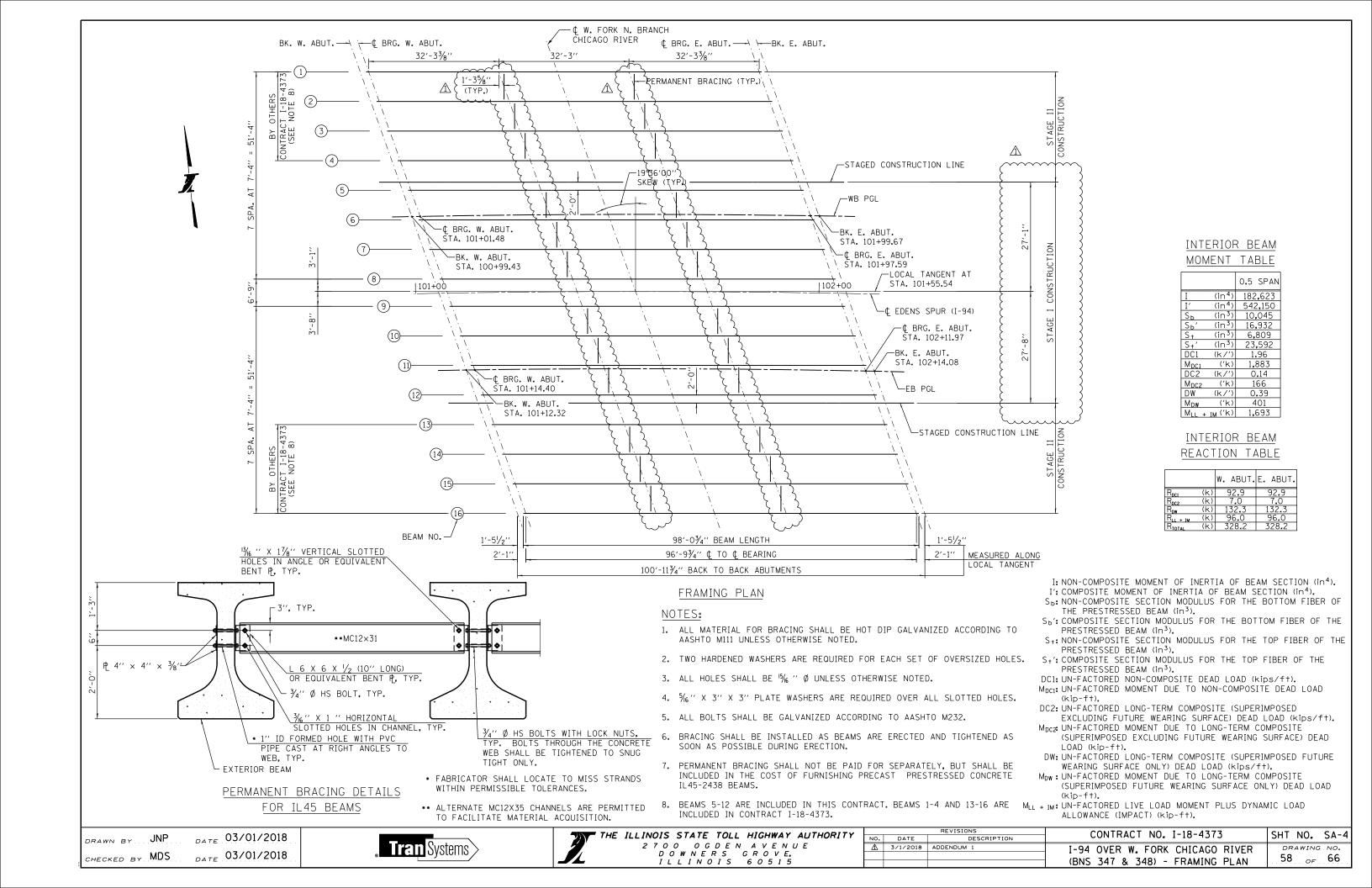


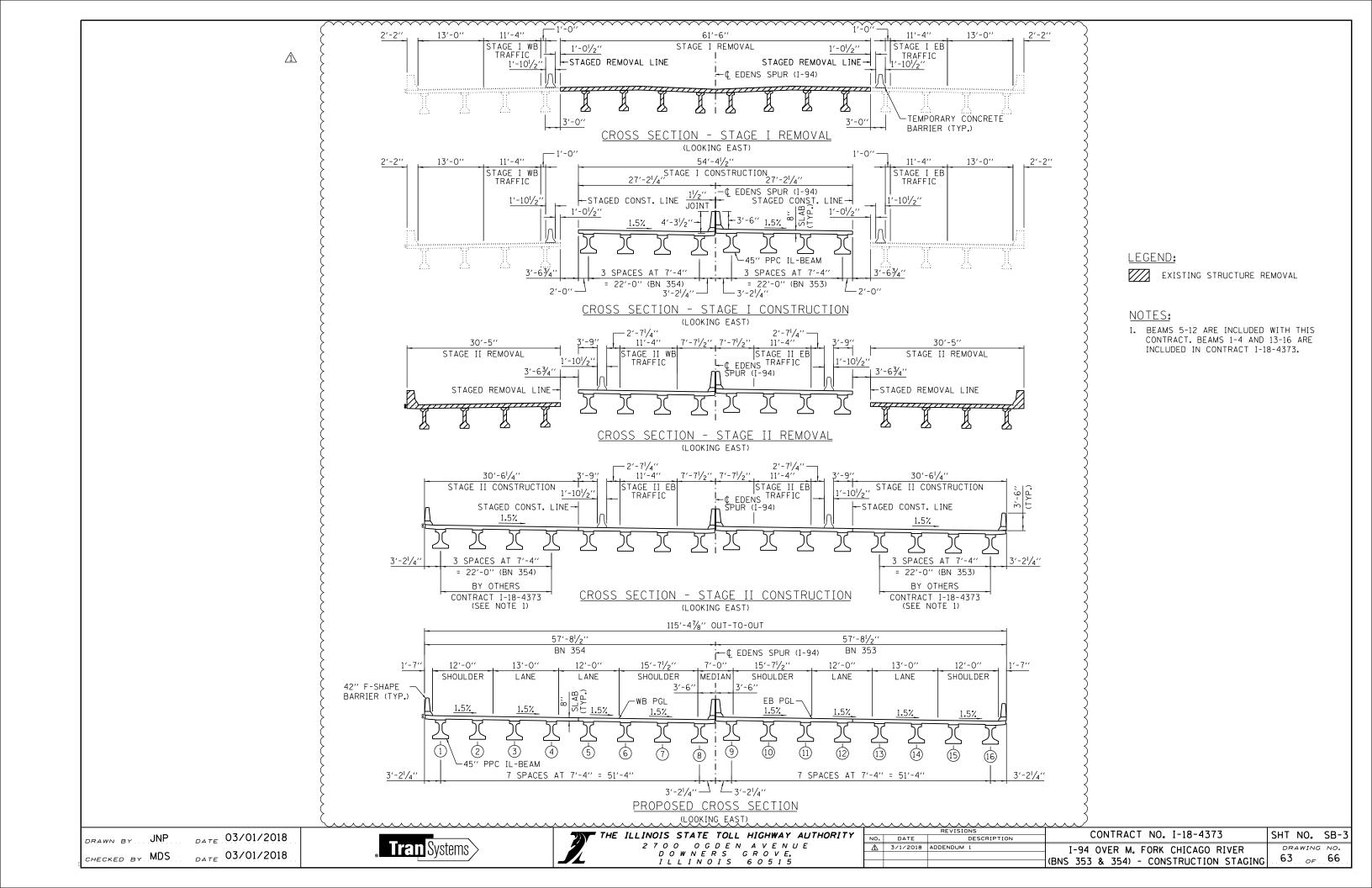
SCALE IN FEET

DRAWN BY YS DATE 2/16/2018
CHECKED BY TRK DATE 2/18/2018









# NOTES:

- 1. ALL MATERIAL FOR BRACING SHALL BE HOT DIP GALVANIZED ACCORDING TO AASHTO M111 UNLESS OTHERWISE NOTED.
- 2. TWO HARDENED WASHERS ARE REQUIRED FOR EACH SET OF OVERSIZED HOLES.
- 3. ALL HOLES SHALL BE 15/16 " Ø UNLESS OTHERWISE NOTED.
- 4.  $\frac{5}{6}$  '' X 3'' X 3'' PLATE WASHERS ARE REQUIRED OVER ALL SLOTTED HOLES.
- 5. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO AASHTO M232.
- 6. BRACING SHALL BE INSTALLED AS BEAMS ARE ERECTED AND TIGHTENED AS SOON AS POSSIBLE DURING ERECTION.
- 7. PERMANENT BRACING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF FURNISHING PRECAST PRESTRESSED CONCRETE IL45-2438 BEAMS.
- 8. BEAMS 5-12 ARE INCLUDED IN THIS CONTRACT. BEAMS 1-4 AND 13-16 ARE INCLUDED IN CONTRACT I-18-4373.

BENT P, TYP.

┌3′′**,** TYP.

WEB, TYP.

EXTERIOR BEAM

 $\frac{3}{4}$ " Ø HS BOLT. TYP.

ID FORMED HOLE WITH PVC

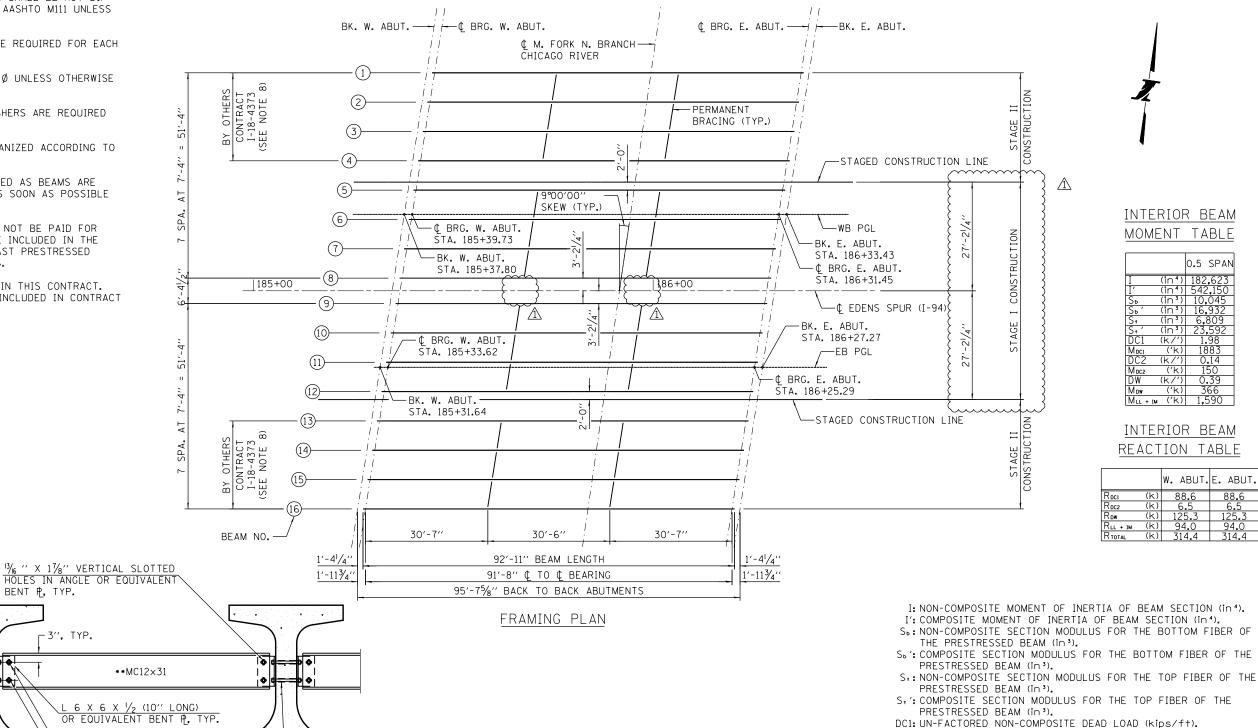
PIPE CAST AT RIGHT ANGLES TO

PERMANENT BRACING DETAILS

FOR IL45 BEAMS

" X 1 " HORIZONTAL

SLOTTED HOLES IN CHANNEL, TYP.



I': COMPOSITE MOMENT OF INERTIA OF BEAM SECTION (in 4).

 $S_{\,b}\,{}'\text{:}$  COMPOSITE SECTION MODULUS FOR THE BOTTOM FIBER OF THE

S+: NON-COMPOSITE SECTION MODULUS FOR THE TOP FIBER OF THE

S+': COMPOSITE SECTION MODULUS FOR THE TOP FIBER OF THE

DC1: UN-FACTORED NON-COMPOSITE DEAD LOAD (kips/ft).

M DC1: UN-FACTORED MOMENT DUE TO NON-COMPOSITE DEAD LOAD (kin-ft).

DC2: UN-FACTORED LONG-TERM COMPOSITE (SUPERIMPOSED EXCLUDING FUTURE WEARING SURFACE) DEAD LOAD (kips/ft).

M DC2: UN-FACTORED MOMENT DUE TO LONG-TERM COMPOSITE (SUPERIMPOSED EXCLUDING FUTURE WEARING SURFACE) DEAD LOAD (kip-ft).

DW: UN-FACTORED LONG-TERM COMPOSITE (SUPERIMPOSED FUTURE WEARING SURFACE ONLY) DEAD LOAD (kips/ft).

Mow: UN-FACTORED MOMENT DUE TO LONG-TERM COMPOSITE (SUPERIMPOSED FUTURE WEARING SURFACE ONLY) DEAD LOAD (kip-f+).

MILL + IM: UN-FACTORED LIVE LOAD MOMENT PLUS DYNAMIC LOAD ALLOWANCE (IMPACT) (kip-ft).

DATE 03/01/2018 JNP DRAWN BY DATE 03/01/2018 CHECKED BY MDS

₱ 4'' × 4'' × 3%'~



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	ILLINOIS 60515

 $\frac{3}{4}$ " Ø HS BOLTS WITH LOCK NUTS,

WEB SHALL BE TIGHTENED TO SNUG

TIGHT ONLY.

WITHIN PERMISSIBLE TOLERANCES.

\* FABRICATOR SHALL LOCATE TO MISS STRANDS

\*\* ALTERNATE MC12X35 CHANNELS ARE PERMITTED

TO FACILITATE MATERIAL ACQUISITION.

TYP. BOLTS THROUGH THE CONCRETE

		REVISIONS	CONTRACT NO. I-18-4373	SHT NO. SB-4
NO	DATE	DESCRIPTION	CONTRACT NO. 1-10-4313	3H1 NU. 3B-4
Λ	3/1/2018	ADDENDUM 1	I-94 OVER M. FORK CHICAGO RIVER	DRAWING NO.
				64 05 66
			(BNS 353 & 354) - FRAMING PLAN	04 OF 06



# Capital Program

**PROJECT NUMBER/NAME:** I-18-4372 I-94 Roadway Rehabilitation and Beam Fabrication

MEETING PURPOSE: Optional Pre-Bid Meeting

**MEETING DATE/TIME:** 2/26/2018 11:00 AM

CHAIRPERSON: Faraj, Mohamad

LOCATION: Tollway Headquarters - Conference Room 175-Court Room

PREPARED BY: Duane O'Laughlin

**ISSUED DATE:** 3/1/2018

#### **TOPICS DISCUSSED:**

1. Introductions were done.

2. Diversity

a. DBE: 13% Goalb. Veteran: 0% Goal

- c. PILOT BID SUBMISSION PROCEDURES Each participating firm is responsible for adhering to all modifications for submittal. Highlights of these modifications are:
  - i. Streamlines and simplifies the DBE and VOSB Utilization Plan requirements due at the time of submittal. Complete and detailed DBE/VOSB utilization plans are still required as per Tollway and Illinois policy.
    - DBE 2026-PILOT DUE AT TIME OF BID
    - DBE 2023 GFE DUE AT TIME OF BID, IF APPLICABLE
  - ii. Reduces quantity of documents due at time of bid
  - Allows for five calendar days for any additional required documentation from the apparent low bidder.
- d. EEO Workforce Participation Established EEO goals: 19.6% Minority and 6.9% Female
- e. ECP Earned Credit Program
  - i. Bid Credit Cap: \$33,730
  - ii. Prime must own and submit and ECP Certificate to use a subcontractor's ECP certificate.
- 3. Project Description Refer to SP 101- Project Location MP 26.25 to 26.9 and Frontage Road (South of Waukegan Road Interchange).
  - a. Edens Spur shoulder milling and resurfacing.
  - b. Pressure relief joint removal and replacement at Plaza 24.
  - c. Frontage Road pavement milling and resurfacing.
  - d. Maintenance of traffic operations.



# Capital Program

- e. Erosion control measures.
- f. Installation of permanent pavement marking along Frontage Road.
- g. Protection of existing utilities within the construction zones.
- h. Beam fabrication for Bridge Nos. 347, 348, 353, and 354.
- 4. Specialty Work Items Beam Fabrication
- 5. Project Schedule
  - a. Bid Opening March 20, 2018
  - b. NTP May 25, 2018
  - c. Substantial Completion
    - i. July 20, 2018
    - ii. Liquidated Damages per SP 105.1.2.
  - d. Contract Completion
    - i. August 10, 2018
    - ii. Liquidated Damages per SP 105.1.1.
  - e. In order to expedite Notice to Proceed, the low apparent bidder should deliver completed Contract Documents as quickly as possible after receipt of the Notice of Intent to Award letter from the Illinois Tollway. Required documents include Performance and Payment bonds as well as Proof of Insurance as specified Supplemental Specifications, Section 107.27 and modified by contract Special Provisions Section 107.
- 6. Plan Revisions
  - a. HMA Table revisions
  - b. HMA special provision
  - c. Bridge revisions for decks in one plane from parapet to parapet.
- 7. Bidder Questions The deadline is 2:00 pm on March 6, 2018, to be sent to mfaraj@getipass.com
- 8. Additional Comments
  - a. Existing plans will be available at the Tollway Online Plan Room.
  - All bids MUST include Disclosures and Certifications otherwise the bid will be deemed nonresponsive. See the section of the construction contract book, Volume I titled INSTRUCTIONS AND INFORMATION TO BIDDERS for additional information.

#### **OPEN DISCUSSION**

CC:



# Capital Program SIGN-IN SHEET

**CONTRACT NUMBER/NAME:** 

I-18-4372 I-94 Roadway Rehabilitation and Beam Fabrication

**MEETING PURPOSE:** 

Optional Pre-Bid Meeting

MEETING DATE/TIME:

February 26, 2018 11:00 AM

**CHAIRPERSON:** 

Faraj, Mohamad

LOCATION:

Tollway Headquarters - Conference Room 175-Court Room

# **ATTENDEES:**

				Phone	
Name	Title	Initials	Organization	Number	Email Address
Nick Giardano	P.E	N.6	F.H.P	(312)-343 -3481	ngi ordano @ FA
No fara	pm	We	Tollway.	M. 3852	mfaryj@selipu
Jim Mayor	Eng Myr	17-4	Pno	x 3 8 31	mayer egerip
Deanna Dink	Diversity	20	Tollway	x3294	ddinkeleg
Matt Santefial	PM	MUS	Transystems	847-407 5735	mdsant-file
Dan Garcasz	Motorials	16	ARA	217-621	Syancastage
Travis Khesel	5m -	TEX	d'Escato	312-757	Hilusered
DUANE O'ALLON UTA	PW	D10	Ciorba	773 - 355-2749	dolaughluac
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