



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 1, 2016

SUBJECT: FAI Route 90/94/290 (I-90/94/290)  
Project ACNHPP-000V (064)  
Section 2014-003R&B  
Cook County  
Contract No. 60X77  
Item No. 15, June 10, 2016 Letting  
Addendum A

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Replaced the Schedule of Prices
2. Revised page v of the Table of Contents to the Special Provisions
3. Revised pages 11 and 47-51 of the Special Provisions
4. Added page 349 to the Special Provisions
5. Revised sheets 3,4,7,14,16 & 28 of the Plans

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Maureen M. Addis, P.E.  
Acting Engineer of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger P.E.'.

By: Ted B. Walschleger, P. E.  
Engineer of Project Management

cc: John Fortmann, Region 1, District 1; Tim Kell; Estimates

MS/ck

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER - 60X77

State Job # - C-91-188-14

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 2014-003R&B

Project Number

ACNHPP-000V/064/

\*REVISED: MAY 26, 2016

Route

FAI 94

FAI 90

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0322141	REM TEMP WOOD POLE	EACH	2.000				
X0322433	LT TOWER SERVICE PAD	EACH	1.000				
X0322441	DIG LOOP DET SEN U 4C	EACH	3.000				
X0322442	TONE EQ 3 FRE REC PRG	EACH	9.000				
X0322443	TONE EQ 3 FREQ TR PRG	EACH	9.000				
X0322444	TONE EQ POWER SUPPLY	EACH	4.000				
X0322445	TONE EQ MOUNT FRAME	EACH	2.000				
X0323710	REMOV COND ATT TO STR	FOOT	160.000				
X0323899	CCTV DOME CAMERA HD	EACH	2.000				
X0323901	ETHERNET MNG SWITCH	EACH	1.000				
X0323902	CTA FENCE	FOOT	1,273.000				
X0323903	FILL CATCH BAS SP CTA	EACH	4.000				
X0323905	JUN BX SS AS 36X24X8	EACH	2.000				
X0324597	CCTV CABINET	EACH	1.000				
*REV X0324599	ROD AND CLEAN EX COND	FOOT	1,188.000				

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X0324911	REPL DECAL W/NEW LM D	EACH	5.000				
X0325040	FO INNERDUCT 1 1/4"	FOOT	12,976.000				
X0325087	VIDEO TAPING MN DRAIN	FOOT	6,108.000				
X0325155	REM ABANDON GAS MAIN	FOOT	16.000				
X0325207	TV INSPECT OF SEWER	FOOT	1,048.000				
X0325349	TEMP CON BAR (PERM)	FOOT	275.000				
X0325815	REMOVE EXISTING CABLE	FOOT	460.000				
X0326461	CCTV EQPT FBR OPT DST	EACH	1.000				
X0326694	PLUG EX STORM SEWERS	CU YD	2.300				
X0327004	TEMP WP 60 CL 4	EACH	2.000				
X0327117	ATMS SYS INTEGRATION	L SUM	1.000				
X0327357	CONSTRN VBRN MONITRNG	L SUM	1.000				
X0327561	BUDG ALLOW CCTV INTGR	L SUM	1.000				
X0327606	FIBER OPT SPL-LATERAL	EACH	1.000				
X0327607	FIBER OPT SPL-MAINLN	EACH	1.000				

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X0327616	MAINT ITS DURG CONSTR	CAL MO	24.000				
X0327649	SOIL RETENTION SYSTEM	SQ FT	1,130.000				
X0327683	CCTV CAM STR GS 100MH	EACH	1.000				
X0327755	CAB HSG EQ ESP 3 CFM	EACH	1.000				
X0327757	FDN CONSTR EX OBSTRNS	EACH	1.000				
X0370077	LOCATE TUNNEL CHICAGO	EACH	5.000				
X1400002	THERM MAG CCT BREAKER	EACH	1.000				
X1400161	ELEC WORK CTA PUMP RM	L SUM	1.000				
X1700001	DRILL MH HDHH MWL JBX	EACH	1.000				
X2011000	TEMPORARY FENCE SPL	FOOT	2,759.000				
X2130010	EXPLOR TRENCH SPL	FOOT	50.000				
X4060002	P HMA BC SMA 12.5 N80	TON	219.000				
X4060006	P HMA SC SMA 12.5 N80	TON	219.000				
X5509900	ABANDON FILL SS	FOOT	2,006.000				
X5537500	SS CLEANED 6	FOOT	204.000				

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X5537800	SS CLEANED 12	FOOT	220.000				
X5538000	SS CLEANED 18	FOOT	93.000				
X5538200	SS CLEANED 24	FOOT	167.000				
X5538300	SS CLEANED 27	FOOT	92.000				
X5538500	SS CLEANED 33	FOOT	38.000				
X6022712	CB TA 4 DIA W/SPL F&G	EACH	4.000				
X6022900	CB RECONST SPL	EACH	1.000				
X6050110	FILL MANHOLES SPL	EACH	3.000				
X6050210	FILL CATCH BAS SPL	EACH	3.000				
X6370050	CONC BAR WALL SPL	FOOT	465.000				
X6370279	CONC BAR 1F 42HT SPL	FOOT	3,354.000				
X6370700	CONC BAR TRANS SPL	FOOT	19.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7011015	TR C-PROT EXPRESSWAYS	L SUM	1.000				
X7013820	TR CONT SURVEIL EXPWY	CAL DA	609.000				

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X7035104	TEMP EPOXY PVT MK L4	FOOT	47,829.000				
X7035105	TEMP EPOXY PVT MK L5	FOOT	5,508.000				
X7035108	TEMP EPOXY PVT MK L8	FOOT	14,870.000				
X7035112	TEMP EPOXY PVT MK L12	FOOT	1,504.000				
X7040125	PIN TEMP CONC BARRIER	EACH	4,938.000				
X7040650	REM TEMP CONC BARRIER	FOOT	2,125.000				
X7830050	RAISD REF PM REFL REM	EACH	344.000				
X7830070	GRV RCSD PVT MRKG 5	FOOT	773.000				
X7830072	GRV RCSD PVT MRKG 6	FOOT	4,431.000				
X8100863	INTERCEPT EX CONDUIT	EACH	16.000				
X8102845	UNDRGRD C PVC 4 S80	FOOT	906.000				
X8130112	JUNCTION BOX T J	EACH	12.000				
X8130115	DRILL EX JUNCTION BOX	EACH	8.000				
X8131168	JUN BX NM ES 21X11X08	EACH	7.000				
X8360103	LT POLE FDN INT BW	EACH	12.000				

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X8710035	FIB OPT CBL 96F SM	FOOT	4,448.000				
X8710036	FIB OPT CBL 12F SM	FOOT	739.000				
X8730246	ELCBL C 19, 25 PAIR	FOOT	3,561.000				
X8730249	ELCBL C 19 6/C	FOOT	1,506.000				
X8730312	EC C LEAD 18 4C TW SH	FOOT	693.000				
X8850102	INDUCTION LOOP	FOOT	800.000				
X8950425	REMOV TRAF SURV EQUIP	L SUM	1.000				
Z0002300	BALLAST	CU YD	157.000				
Z0012754	STR REP CON DP = < 5	SQ FT	278.000				
Z0012755	STR REP CON DP OVER 5	SQ FT	11.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018913	DRILL-GROUT #8 T-BAR	EACH	1,093.000				
Z0019600	DUST CONTROL WATERING	UNIT	35.300				
Z0030850	TEMP INFO SIGNING	SQ FT	488.000				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	12.000				

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Z0033028	MAINTAIN LIGHTING SYS	CAL MO	24.000				
Z0037300	PAVT GROOVING	SQ YD	15,123.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0056612	STORM SEW WM REQ 18	FOOT	120.000				
Z0062456	TEMP PAVEMENT	SQ YD	1,439.000				
Z0062458	TEMP PAVEMT VAR DEPTH	TON	181.000				
Z0076600	TRAINEES	HOUR	1,500.000		0.800		1,200.000
Z0076604	TRAINEES TPG	HOUR	1,500.000		15.000		22,500.000
20101000	TEMPORARY FENCE	FOOT	630.000				
20101100	TREE TRUNK PROTECTION	EACH	21.000				
20101300	TREE PRUN 1-10	EACH	10.000				
20101350	TREE PRUN OVER 10	EACH	11.000				
20200100	EARTH EXCAVATION	CU YD	7,760.000				
20201200	REM & DISP UNS MATL	CU YD	1,305.000				
20800150	TRENCH BACKFILL	CU YD	1,829.200				



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21001000	GEOTECH FAB F/GR STAB	SQ YD	1,628.000				
21101615	TOPSOIL F & P 4	SQ YD	9,980.000				
21301072	EXPLOR TRENCH 72	FOOT	100.000				
25000210	SEEDING CL 2A	ACRE	2.000				
25000400	NITROGEN FERT NUTR	POUND	168.000				
25000600	POTASSIUM FERT NUTR	POUND	168.000				
25100115	MULCH METHOD 2	ACRE	3.750				
25100630	EROSION CONTR BLANKET	SQ YD	9,005.000				
28000250	TEMP EROS CONTR SEED	POUND	7,283.000				
28000400	PERIMETER EROS BAR	FOOT	10,272.000				
28000510	INLET FILTERS	EACH	70.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	1,276.000				
30300112	AGG SUBGRADE IMPR 12	SQ YD	19,873.000				
31101200	SUB GRAN MAT B 4	SQ YD	1,487.000				
31102100	SUB GRAN MAT C 4	SQ YD	1,523.000				

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31200500	STAB SUBBASE HMA 4	SQ YD	15,848.000				
40201000	AGGREGATE-TEMP ACCESS	TON	250.000				
40600290	BIT MATLS TACK CT	POUND	8,010.000				
40600982	HMA SURF REM BUTT JT	SQ YD	115.000				
40700100	BIT MATLS TACK CT	POUND	2,914.000				
42000080	PVT CON PCC BR APP SL	SQ YD	80.000				
42000511	PCC PVT 10 1/2 JOINTD	SQ YD	730.000				
42000521	PCC PVT 11 JOINTED	SQ YD	14,394.000				
42001300	PROTECTIVE COAT	SQ YD	24,544.000				
44000100	PAVEMENT REM	SQ YD	17,215.000				
44000165	HMA SURF REM 4	SQ YD	1,991.000				
44001980	CONC BARRIER REMOV	FOOT	3,119.000				
*REV 44004250	PAVED SHLD REMOVAL	SQ YD	4,438.000				
48300510	PCC SHOULDERS 10 1/2	SQ YD	221.000				
48300600	PCC SHOULDERS 11	SQ YD	1,916.000				

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550A0050	STORM SEW CL A 1 12	FOOT	275.000				
550A0070	STORM SEW CL A 1 15	FOOT	65.000				
550A0090	STORM SEW CL A 1 18	FOOT	99.000				
550A0340	STORM SEW CL A 2 12	FOOT	1,116.000				
550A0360	STORM SEW CL A 2 15	FOOT	602.000				
550A0380	STORM SEW CL A 2 18	FOOT	212.000				
550A0400	STORM SEW CL A 2 21	FOOT	97.000				
55100400	STORM SEWER REM 10	FOOT	299.000				
55100500	STORM SEWER REM 12	FOOT	1,345.000				
55100700	STORM SEWER REM 15	FOOT	196.000				
55100900	STORM SEWER REM 18	FOOT	171.000				
55101100	STORM SEWER REM 21	FOOT	196.000				
59000200	EPOXY CRACK INJECTION	FOOT	187.000				
60108100	PIPE UNDERDRAIN 4 SP	FOOT	161.000				
60108108	PIPE UNDERDR T 1 8	FOOT	100.000				

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60108200	PIPE UNDERDRAIN 6 SP	FOOT	368.000				
60108204	PIPE UNDERDR T 2 4	FOOT	1,311.000				
60108206	PIPE UNDERDR T 2 6	FOOT	3,861.000				
60200105	CB TA 4 DIA T1F OL	EACH	6.000				
60200205	CB TA 4 DIA T1F CL	EACH	3.000				
60201310	CB TA 4 DIA T20F&G	EACH	20.000				
60203905	CB TA 5 DIA T1F CL	EACH	1.000				
60208210	CB TC T20F&G	EACH	3.000				
60218400	MAN TA 4 DIA T1F CL	EACH	7.000				
60221100	MAN TA 5 DIA T1F CL	EACH	4.000				
60223800	MAN TA 6 DIA T1F CL	EACH	1.000				
60237420	INLETS TA T20F&G	EACH	8.000				
60250200	CB ADJUST	EACH	6.000				
60252800	CB RECONST	EACH	5.000				
60255410	CB CLEANED	EACH	11.000				

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60255500	MAN ADJUST	EACH	3.000				
60257900	MAN RECONST	EACH	5.000				
60500040	REMOV MANHOLES	EACH	25.000				
60500050	REMOV CATCH BAS	EACH	26.000				
60500060	REMOV INLETS	EACH	2.000				
60605000	COMB CC&G TB6.24	FOOT	47.500				
63000001	SPBGR TY A 6FT POSTS	FOOT	50.000				
63200310	GUARDRAIL REMOV	FOOT	51.000				
63700175	CONC BAR 1F 42HT	FOOT	138.000				
63700805	CONC BAR TRANS	FOOT	88.000				
63700900	CONC BARRIER BASE	FOOT	107.000				
64200116	SHOULDER RUM STRIP 16	FOOT	1,711.000				
66900200	NON SPL WASTE DISPOSL	CU YD	9,200.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	7.000				

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67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	609.000				
70300240	TEMP PVT MK LINE 6	FOOT	20,617.000				
70400100	TEMP CONC BARRIER	FOOT	11,000.000				
70400200	REL TEMP CONC BARRIER	FOOT	9,850.000				
70600260	IMP ATTN TEMP FRN TL3	EACH	10.000				
70600332	IMP ATTN REL FRN TL3	EACH	3.000				
72000100	SIGN PANEL T1	SQ FT	17.000				
72000200	SIGN PANEL T2	SQ FT	68.000				
72600100	MILEPOST MKR ASSEMBLY	EACH	1.000				
73000100	WOOD SIN SUPPORT	FOOT	64.000				
78003110	PREF PL PM TB LINE 4	FOOT	773.000				
78003120	PREF PL PM TB LINE 5	FOOT	4,431.000				
78009000	MOD URETH PM LTR-SYM	SQ FT	97.000				
78009004	MOD URETH PM LINE 4	FOOT	13,890.000				

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78009008	MOD URETH PM LINE 8	FOOT	8,491.000				
78009012	MOD URETH PM LINE 12	FOOT	672.000				
78100100	RAISED REFL PAVT MKR	EACH	388.000				
78100105	RAISED REF PVT MKR BR	EACH	58.000				
78200011	BARR WALL REF TYPE C	EACH	1,980.000				
78300100	PAVT MARKING REMOVAL	SQ FT	53,361.000				
78300200	RAISED REF PVT MK REM	EACH	446.000				
81028170	UNDRGRD C GALVS 1	FOOT	6.000				
81028200	UNDRGRD C GALVS 2	FOOT	143.000				
81028240	UNDRGRD C GALVS 4	FOOT	12.000				
81028350	UNDRGRD C PVC 2	FOOT	424.000				
81028390	UNDRGRD C PVC 4	FOOT	140.000				
81028730	UNDRGRD C CNC 1 1/4	FOOT	71.000				
81100320	CON AT ST 1 PVC GS	FOOT	160.000				
81100605	CON AT ST 2 PVC GALVS	FOOT	758.000				

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81100805	CON AT ST 3 PVC GALVS	FOOT	185.000				
81101005	CON AT ST 4 PVC GALVS	FOOT	400.000				
81200230	CON EMB STR 2 PVC	FOOT	4,087.000				
81200250	CON EMB STR 3 PVC	FOOT	50.000				
81200270	CON EMB STR 4 PVC	FOOT	2,553.000				
81300830	JUN BX SS AS 18X18X8	EACH	4.000				
81400200	HD HANDHOLE	EACH	6.000				
81400300	DBL HANDHOLE	EACH	2.000				
81603081	UD 3#2#4GXLP USE 1.5 P	FOOT	535.000				
81702110	EC C XLP USE 1C 10	FOOT	660.000				
81702130	EC C XLP USE 1C 6	FOOT	170.000				
81702140	EC C XLP USE 1C 4	FOOT	5,850.000				
81702150	EC C XLP USE 1C 2	FOOT	16,040.000				
81702220	EC C XLP USE 1C 350	FOOT	3,330.000				
81800300	A CBL 3-1C2 MESS WIRE	FOOT	190.000				



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82102400	LUM SV HOR MT 400W	EACH	12.000				
82105600	LUM SV HM HOR MT 400W	EACH	6.000				
83050715	LT P A 47.5MH 6DA	EACH	12.000				
83505400	LT TOWER 130MH LM 6	EACH	1.000				
83700350	LT TOWER FDN 54D	FOOT	54.000				
84100110	REM TEMP LIGHT UNIT	EACH	3.000				
84200500	REM LT UNIT SALV	EACH	10.000				
87000885	ECA C XLPTC 2C 6 8	FOOT	1,968.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	1,044.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	10.000				
87800200	CONC FDN TY D	FOOT	5.000				
87900205	DRILL EX HD HANDHOLE	EACH	3.000				
*REV 89502300	REM ELCBL FR CON	FOOT	1,638.000				

**CONTRACT NUMBER**

**60X77**

**THIS IS THE TOTAL BID**

**\$ \_\_\_\_\_**

**NOTES:**

1. Each PAY ITEM should have a UNIT PRICE and a TOTAL PRICE.
2. The UNIT PRICE shall govern if no TOTAL PRICE is shown or if there is a discrepancy between the product of the UNIT PRICE multiplied by the QUANTITY.
3. If a UNIT PRICE is omitted, the TOTAL PRICE will be divided by the QUANTITY in order to establish a UNIT PRICE.
4. A bid may be declared UNACCEPTABLE if neither a unit price nor a total price is shown.

STRUCTURAL REPAIR OF CONCRETE .....	273
COARSE AGGREGATE QUALITY (BDE).....	284
CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE) .....	286
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE).....	288
EQUAL EMPLOYMENT OPPORTUNITY (BDE).....	300
ERRATA FOR THE 2016 STANDARD SPECIFICATIONS (BDE) .....	303
GROOVING FOR RECESSED PAVEMENT MARKINGS (BDE) .....	307
MECHANICAL SIDE TIE BAR INSERTER (BDE) .....	310
PAVEMENT MARKING BLACKOUT TAPE (BDE).....	311
PROGRESS PAYMENTS (BDE) .....	313
STEEL SLAG IN TRENCH BACKFILL (BDE).....	314
SURFACE TESTING OF HOT-MIX ASPHALT OVERLAYS (BDE).....	314
TEMPORARY CONCRETE BARRIER (BDE) .....	315
TRAINING SPECIAL PROVISIONS (BDE) .....	316
IDOT TRAINING PROGRAM GRADUATE ON-THE-JOB TRAINING SPECIAL PROVISION (TPG) .....	319
WARM MIX ASPHALT (BDE) .....	321
WEEKLY DBE TRUCKING REPORTS (BDE).....	323
BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID).....	324
FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID).....	327
STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID).....	331
STORM WATER POLLUTION PREVENTION PLAN.....	335
HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE) .....	349

## **AVAILABLE AREAS FOR INITIAL CONSTRUCTION**

As noted in CONTRACTOR COOPERATION, "Staging under this Contract will not be allowed until traffic for the WB I-90/94 (Northbound) to WB I-290 (Westbound) movement (Ramp NW) has been shifted onto its new alignment under the above 60W28 and 60X61 Contracts. No staging can be placed on WB I-290 while active staging under the 60W28 or 60X61 Contracts is still in place." Temporary lane closures may be allowed per KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC, provided the closures and associated work do not conflict with work performed under the 60W28 or 60X61 Contracts.

Staging by others is anticipated to remain in place until April 1, 2017.

Prior to beginning work within areas actively staged by others, the following proposed work elements shall be started or started and completed.

- Proposed CTA Pump Station Feeder
- Proposed Closed Circuit Television Camera, HD and all ITS infrastructure to have camera fully operational; including all restoration and seeding
- Proposed GMN1 Light Tower
- SN 016-Z027 Retaining Wall Repairs

Other work that does not require lane closures or a permanent traffic control setup may be allowed subject to approval by the Engineer.

## **SUBMITTALS**

There are elements of construction that may require long lead times between order and delivery to the project site for installation. The Contractor must prioritize timely submittals of shop drawings to minimize any delays in project execution.

Shop drawings and other required information for items related to the installation of the CCTV Camera, HD and for the Proposed CTA Pump Station Feeder Plan shall be submitted within one (1) week of award. Submittals must be complete, include all necessary and required information, and must be submitted for review in a timely matter to insure that the work desired to be completed early within the Contract, can begin as soon as possible. No additional compensation and no extension of calendar days will be made due to delays in receiving material or equipment to the site because of incomplete or delayed submittals.

The Contractor shall provide notice to the Engineer concerning shop drawing submittal schedules and when shop drawing submittal deadlines may be delayed.

Revised 6/1/16

## **STAGING AND INTERCHANGE RESTRICTIONS**

Prior to the actual beginning and completion of the various stages of construction and traffic protection, the Contractor will be required to provide lane closures and barricade systems, for preparation work such as pavement marking removal, temporary lane marking, placing temporary concrete barrier, relocating existing guardrail, etc. These lane closures and barricade systems, including barricades, drums, cones, lights, signs, flaggers etc. shall be provided in accordance with details in the Plans and these Special Provisions and as approved by the Engineer. The cost of this work will not be paid for separately but shall be considered included in the contract lump sum price for **TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)**.

## **LANE AND RAMP CLOSURES**

Prior to and after stage construction, temporary lane closures on I-90/94 and I-290 will only be permitted at night during the allowable hours as listed in the Special Provision "Keeping the Expressway Open to Traffic". These hours also apply to temporary closures of any ramps as needed due to the closures on the mainline. The only exception to this requirement will be special restrictions stated herein.

### Special Ramp Closure Restrictions

The Contractor will be permitted to close the following lanes and/or ramps for extended time periods as noted below:

#### **Ramp SW**

- The Contractor is permitted to close Ramp SW for the extended closures as follows:
  - One (1), 54-hour (maximum) weekend closure to perform necessary pavement construction in order to provide any and all transitions between existing, temporary or permanent pavement.
  - This closure shall not commence before 10 pm on Friday night of said weekend and Ramp SW must be re-opened to traffic no later than 4 AM on Monday morning at the end of same said weekend.
  - The 54-hour period shall be scheduled during a period when the Chicago Cubs do not have home games at Wrigley Field. Pace operates Route 779 (Wrigley Field Express), which utilizes Ramp SW. Pace shall be contacted to ensure that the scheduled closure period does not conflict with Pace service for a non-baseball Wrigley Field event.
  - Ramp SW cannot be closed during sporting events and special events as determined by the Department and City of Chicago.

For all ramp closures the Contractor shall furnish and install signage per District Detail TC-08, as directed by the Engineer.

Revised 6/1/16

The Contractor shall coordinate the work such that no two (2) adjacent entrance or exit ramps in one direction of the expressway are closed at the same time. The closing of ramps, which are used as the detour route for other roadways or ramps, is prohibited. Should the Contractor fail to completely open, and keep open, the ramps to traffic in accordance with the above limitations, the Contractor shall be liable to the Department for liquidated damages as noted under the Special Provision, "Failure to Open Traffic Lanes to Traffic".

The Contractor shall submit to the Department two (2) weeks ahead of time, in writing, the starting date for each of the extended ramp and/or lane closures. Approval from the Department is required prior to closing the ramp and/or lanes. Should the Contractor fail to complete the work and reopen the ramp to traffic within the allowable time limit, the Contractor shall be liable to the Department for liquidated damages as noted under FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC.

### **Local Road Closures**

To facilitate construction of various items, the use of local streets for construction staging must be approved by the City of Chicago and the Department in advance of the proposed closure or partial closure.

### **Restricted Staging**

As shown in the Plans as Suggested Stages of Construction and Traffic Control Mainline Staging 1C, there will be a portion of proposed pavement that requires traffic to be staged to both the north and south of the work zone. The period that the staging is in place shall be minimized to the shortest period possible. The staging showing in Staging 1C shall be utilized for no more than twenty one (21) consecutive calendar days. The period of time when any staging requires Interstate traffic to be separated to both sides of any work zone shall be clearly indicated in all iterations and versions of the Construction Progress Schedule.

The use of staging that requires Interstate traffic to be separated to both sides of any work zone shall be approved by the Illinois Department of Transportation's Expressway Traffic Operations Engineer a minimum of 28 days prior to the change in traffic staging.

**KEEPING THE EXPRESSWAY OPEN TO TRAFFIC**

Effective: March 22, 1996

Revised: January 21, 2015

Whenever work is in progress on or adjacent to an expressway, the Contractor shall provide the necessary traffic control devices to warn the public and to delineate the work zone as required in these Special Provisions, the Standard Specifications, the State Standards and the District Freeway details. All Contractors' personnel shall be limited to these barricaded work zones and shall not cross the expressway.

The Contractor shall request and gain approval from the Illinois Department of Transportation's Expressway Traffic Operations Engineer at [www.idotlcs.com](http://www.idotlcs.com) twenty-four (24) hours in advance of all daily lane, ramp and shoulder closures and one week in advance of all permanent and weekend closures on all Freeways and/or Expressways in District One. This advance notification is calculated based on workweek of Monday through Friday and shall not include weekends or Holidays.

**LOCATION: WB I-290: Wells to Racine (4-Lane Section, All Stages)**

WEEK NIGHT	TYPE OF CLOSURE	ALLOWABLE LANE CLOSURE HOURS		
Sunday - Thursday	1-Lane	8:00 PM	to	5:00 AM
	2-Lane	11:00 PM	to	5:00 AM
	3-Left Lane*	1:00 AM	to	5:00 AM
Friday	1-Lane	10:00 PM (Fri)	to	8:00 AM (Sat)
	2-Lane	11:59 PM (Fri)	to	6:00 AM (Sat)
	3-Left Lane*	NOT		ALLOWED
Saturday	1-Lane	10:00 PM (Sat)	to	10:00 AM (Sun)
	2-Lane	11:59 PM (Sat)	to	8:00 AM (Sun)
	3-Left Lane*	1:00 AM (Sun)	to	7:00 AM (Sun)

\*3 Lane closures will only be allowed from the left and are approved for specific operations only.

**LOCATION: WB I-290: Wells to Racine (3-Lane Section, All Stages)**

WEEK NIGHT	TYPE OF CLOSURE	ALLOWABLE LANE CLOSURE HOURS		
Sunday - Thursday	1-Lane	11:00 PM	to	5:00 AM
	2-Lane	1:00 AM	to	5:00 AM
Friday	1-Lane	11:59 PM (Fri)	to	6:00 AM (Sat)
	2-Lane	NOT		ALLOWED
Saturday	1-Lane	11:59 PM (Sat)	to	8:00 AM (Sun)
	2-Lane	1:00 AM (Sat)	to	7:00 AM (Sun)

All single lane closures of WB I-290 when there are two mainline lanes (not including Ramp NW or Ramp SW) shall follow the 2-lane closure hours listed in the 3-Lane Section table.

In addition to the hours noted above, temporary shoulder and partial non-system ramp closures are allowed weekdays between 9:00 A.M. and 3:00 P.M. and between 7:00 P.M. and 5:00 A.M.

Revised 6/1/16

Narrow lanes and permanent lane and shoulder closures will not be allowed between Dec. 1<sup>st</sup> and April 1<sup>st</sup>.

Full Expressway Closures will only be permitted for a maximum of 15 minutes at a time during the low traffic volume hours of 1:00 A.M. to 5:00 A.M. Monday thru Friday and from 1:00 A.M. to 7:00 A.M. on Sunday. During Full Expressway Closures, the Contractor will be required to close off all lanes except one, using Freeway Standard Closures. Police forces should be notified and requested to close off the remaining lane at which time the work item may be removed or set in place. The District One Expressway Traffic Control Supervisor (847-705-4151) **shall be** notified at least 3 working days (weekends and holidays DO NOT count into this 72 hours notification) in advance of the proposed road closure and will coordinate the closure operations with police forces. Liquidated Damages as specified in the Failure to Open Traffic Lanes to Traffic for One lane or ramp blocked shall be assessed to the Contract for every 15 minutes beyond the initial 15 minutes all lanes are blocked.

All stage changes requiring the stopping and/or the pacing of traffic shall take place during the allowable hours for Full Expressway Closures and shall be approved by the Department. The Contractor shall notify the District One Expressway Traffic Control Supervisor at least 3 working days (weekends and holidays DO NOT count into this 72 hours notification) in advance of any proposed stage change.

A Maintenance of Traffic Plan shall be submitted to the District One Expressway Traffic Control Supervisor 14 days in advance of any stages changes or full expressway closures. The Maintenance of Traffic Plan shall include, but not be limited to: lane and ramp closures, existing geometrics, and equipment and material location.

All daily lane closures shall be removed during adverse weather conditions such as rain, snow, and/or fog and as determined by the Engineer. Also, the contractor shall promptly remove their lane closures when Maintenance forces are out for snow and ice removal.

Additional lane closure hour restrictions may have to be imposed to facilitate the flow of traffic to and from major sporting events and/or other events.

All lane closure signs shall not be erected any earlier than one-half (1/2) hour before the starting hours listed above. Also, these signs should be taken down within one-half (1/2) hour after the closure is removed.

The Contractor will be required to cooperate with all other contractors when erecting lane closures on the expressway. All lane closures (includes the taper lengths) without a three (3) mile gap between each other, in one direction of the expressway, shall be on the same side of the pavement. Lane closures on the same side of the pavement with a one (1) mile or less gap between the end of one work zone and the start of taper of next work zone should be connected. The maximum length of any lane closure on the project and combined with any adjacent projects shall be three (3) miles. Gaps between successive permanent lane closures shall be no less than two (2) miles in length.

Revised 6/1/16



Private vehicles shall not be parked in the work zone. Contractor's equipment and/or vehicles shall not be parked on the shoulders or in the median during non-working hours. The parking of equipment and/or vehicles on State right-of-way will only be permitted at the locations approved by the Engineer.

Check barricades shall be placed every 1000' within a lane closure to prevent vehicles from driving through closed lanes.

Temporary ramp closures for service interchanges will only be permitted at night during the restricted hours listed for temporary one-lane closures within the project limits. However, no two (2) adjacent entrance and exit ramps in one direction of the expressway shall be closed at the same time.

Freeway to freeway (system interchange) full ramp closures for two lane ramps will not be permitted. Partial ramp closures of system ramps may be allowed during the 1-lane closure hours above. System ramp full closures for single lane ramps are only permitted:

- between the hours of 1:00 a.m. and 5:00 a.m. on Monday thru Friday
- between the hours of 1:00 a.m. and 6:00 a.m. on Saturday, and
- between the hours of 1:00 a.m. and 7:00 a.m. on Sunday.

The Contractor shall furnish and install large (48" X 48") "DETOUR with arrow" signs as directed by the Engineer for all system ramp closures. In addition, one portable changeable message sign will be required to be placed in advance of the ramp closure. The cost of these signs and PCMS board shall be included in the cost of traffic control and protection (6 static signs maximum per closure).

Should the Contractor fail to completely open, and keep open, the ramps to traffic in accordance with the above limitations, the Contractor shall be liable to the Department for liquidated damages as noted under the Special Provision, "Failure to Open Traffic Lanes to Traffic".

### **FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC**

Should the Contractor fail to completely open and keep open all the traffic lanes to traffic in accordance with the limitations specified under the Special Provision for "Keeping the Expressway Open to Traffic", the Contractor shall be liable to the Department for the amount of:

I-290 and Ramps:	All Stages
	One lane or ramp blocked = \$1,700 /15 min.
	Two lanes blocked = \$3,500 /15 min.

Not as a penalty but as liquidated and ascertained damages for each and every 15 minute interval or a portion thereof that a lane is blocked outside the allowable time limitations. Such damages may be deducted by the Department from any monies due the Contractor. These damages shall apply during the contract time and during any extensions of the contract time.

**HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)**

Effective: January 1, 2010

Revised: April 1, 2016

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

“Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced 10 ft (3 m) apart longitudinally along the unconfined pavement edge and centered at the random density test location.”

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

“Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-4.75	Ndesign = 50	93.0 – 97.4% <sup>1/</sup>	91.0%
IL-9.5	Ndesign = 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0	Ndesign = 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L	Ndesign < 90	93.0 <sup>2/</sup> – 97.4%	90.0%
SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%”