



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 9, 2014

SUBJECT: FAI Route 90/94 (I-90/94)  
Project ACNHPP-000S(956)  
Section 2013-026-I  
Cook County  
Contract No. 60W49  
Item No. 091, January 17, 2014 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. Revised the Project Number in the Special Provisions to ACNHPP-000S(956)
2. Replaced the Schedule of Prices
3. Revised page ii of the Table of Contents to the Special Provisions
4. Revised pages 1 & 30 of the Special Provisions
5. Added pages 96-101 to the Special Provisions
6. Revised sheets 1-4, 6, 6a, 10, 12-14, 17, 18, 20, 22-25, 30, and 32-36 of the Plans
7. Added sheet 36A to 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,

John D. Baranzelli, P.E.  
Acting Engineer of Design and Environment

A handwritten signature in cursive script, appearing to read "Ted B. Walschleger", followed by the initials "P.E." to the right.

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

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

MS/kf

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

60W49

State Job # - C-91-306-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 2013-026-I

Project Number  
 ACNHPP-000S/956/

Route  
 FAI 90/94

\*REVISED: DECEMBER 30, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0323898	CCTV DOME CAMERA	EACH	10.000				
X0323914	FOC SPLICE - LATERAL	EACH	3.000				
X0324597	CCTV CABINET	EACH	5.000				
X0326945	CCTV CAMERA EQUIPMENT	EACH	10.000				
X0326946	CCTV CAMERA INSTALL	EACH	6.000				
X0327561	BUDG ALLOW CCTV INTGR	L SUM	1.000				
*ADD X0327607	FIBER OPT SPL-MAINLN	EACH	1.000				
X0327683	CCTV CAM STR GS 100MH	EACH	2.000				
*ADD X0327696	BUDG ALLOW TIMLAP CAM	L SUM	1.000				
*ADD X0327697	REM REIN EX WIR SUB T	FOOT	700.000				
X0783300	P.S. ELECTRICAL WORK	L SUM	1.000				
X7011015	TR C-PROT EXPRESSWAYS	L SUM	1.000				
*REV X8710012	FOCC INSTALL ONLY	FOOT	1,154.000				
*REV X8710036	FIB OPT CBL 12F SM	FOOT	875.000				
*REV X8710047	FOC A SS 24F SM	FOOT	1,782.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0010614	CLEAN EX MAN/HAND	EACH	2.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0030850	TEMP INFO SIGNING	SQ FT	24.000				
67100100	MOBILIZATION	L SUM	1.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	0.500				
81028200	UNDRGRD C GALVS 2	FOOT	38.000				
81028220	UNDRGRD C GALVS 3	FOOT	102.000				
81028370	UNDRGRD C PVC 3	FOOT	560.000				
81100300	CON AT ST 1 GALVS	FOOT	120.000				
*REV 81100320	CON AT ST 1 PVC GS	FOOT	130.000				
81100400	CON AT ST 1 1/4 GALVS	FOOT	110.000				
81100420	CON AT ST 1.25 GS PVC	FOOT	40.000				
81100510	CON AT ST 1.5 GS PVC	FOOT	80.000				
81100600	CON AT ST 2 GALVS	FOOT	10.000				
81100605	CON AT ST 2 PVC GALVS	FOOT	700.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
81100805	CON AT ST 3 PVC GALVS	FOOT	40.000				
*REV 81300550	JUN BX SS AS 12X12X6	EACH	3.000				
*REV 81300960	JUN BX SS AS 42X36X12	EACH	4.000				
*REV 81702441	EC C XLP 2-12C 1-12CG	FOOT	130.000				
87000885	ECA C XLPTC 2C 6 8	FOOT	1,455.000				
87900200	DRILL EX HANDHOLE	EACH	3.000				

TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY (BDE) ..... 91  
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Revised 1/9/14

**STATE OF ILLINOIS SPECIAL PROVISIONS**

The following Special Provisions supplement the *Standard Specifications for Road and Bridge Construction*, adopted January 1, 2012, 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; in effect on the date of invitations for bids; and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction FAI 90/94 (I-90/94); Project ACNHPP-000S(956), Section 2013-026-I; Cook County, Contract 60W49 and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

FAI 90/94 at I-290/Congress Parkway (Circle Interchange)  
& at South Branch Chicago River Surveillance  
Project ACNHPP-000S(956)  
Section 2013-026-I  
Cook County  
Contract 60W49

**LOCATION OF IMPROVEMENT**

This improvement begins at the SE Bridge House located on the east side of the South Branch of the Chicago River and extends along Interstate I-290 to the Communications Hut within the I-90/94 Circle interchange, City of Chicago, Cook County.

**DESCRIPTION OF IMPROVEMENT**

This project is an installation of fiber optic cable along/adjacent to Congress Parkway and the work to be performed under this contract consists of fiber optic conduit, closed circuit television cameras, junction boxes, CCTV equipment, fiber optic cable in conduit, aerial fiber optic cable and all incidental and collateral work necessary to complete the project as shown on the plans and as described herein.

**MAINTENANCE OF ROADWAYS**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

Revised 1/9/14

**FIBER OPTIC CABLE IN CONDUIT (INSTALL ONLY)**

Description. The department has in storage sufficient quantity of the 96 fiber optic single mode cable which will be installed by the contractor as shown on the plans. The contractor will be required to pick-up the subject fiber optic cable from the department's storage location as directed by the Engineer. Prior to accepting the cable from the department the contractor shall inspect the cable for defects, test the cable and document the quantity. Remaining cable on the spool shall be returned to the department. Only the cable will be supplied by the department, all ancillary components required to install the cable will be provided by the contractor.

Method of Measurement. Fiber optic cable in conduit (install only) will be measured for payment in feet in place installed and tested. Fiber optic cable will be measured horizontally and vertically between changes in direction, including slack cable. The entire lengths of cables installed will be measured for payment

Basis of Payment. This work will be paid for at the contract unit price per foot for **FIBER OPTIC CABLE IN CONDUIT (INSTALL ONLY)** as shown on the plans. Payment shall not be made until the cable is installed, spliced and tested in compliance with the FIBER OPTIC CABLE special provisions.

**CCTV EQUIPMENT, FIBER OPTIC DISTRIBUTION**

Description. This item shall consist of furnishing and installing equipment for the control and distribution of CCTV video from the CCTV camera to and at a Video Collection Point (VCP)/Oak Park Traffic Systems Center as shown in the plans. Transmission for the video and control signals shall be by fiber optic cable as specified elsewhere herein and as indicated in the plans.

**Construction Requirements**

General. The Contractor shall prepare and submit a shop drawing detailing the complete closed-circuit television cabinet equipment installation. The shop drawings shall identify the installation and specifications of all components to be supplied, for approval of the Engineer. Particular emphasis shall be given to the cabling and the interconnection of all of the components.

The Contractor shall demonstrate a prototype assembly using the proposed components. This demonstration shall take place at the D1 Headquarters in Schaumburg. These conformance tests shall be completed prior to the delivery of any completed assemblies to the project site. Any deviations from these specifications that are identified during this testing shall be corrected prior to shipment of the assembly to the project site.

Revised 1/9/14

**BUDGETARY ALLOWANCE FOR TIME-LAPSE CAMERA**

November 5, 2013

**DESCRIPTION:**

This item is to establish a budget account to allocate funds for the payment of providing and installing a Time-Camera System for the documentation of the Circle Interchange Construction Project. A budgetary allowance has been established since the final cost of this work is unknown at the time of Letting.

The allowance under this Special Provision includes the coordination with camera equipment provided under this contract, adjacent contract(s), and coordination with existing CCTV equipment as indicated, including adjustments of or supplements to the equipment as may be required.

The camera system that will be provided will be a minimum 6 megapixel camera, EarthCam or approved identical, including installation, configuration and hosting by the manufacture's authorized installer.

This item shall also include furnishing and installing a pair of gigabit hardened Ethernet switches, 6 port minimum, with single mode fiber optic interfaces, one at the camera location and the other at the I-55 / Dan Ryan video collection point.

**This item shall be bid at a price of \$25,000.00**

**Basis of Payment.** This item shall be paid for at the contract lump sum price or fraction thereof for **BUDGETARY ALLOWANCE FOR TIME-LAPSE CAMERA**, which shall include all work as described herein.

**PUBLIC CONVENIENCE AND SAFETY (DIST 1)**

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

"If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

"The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

Added 1/9/14



Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”

### **TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)**

Effective: 3/8/96

Revised: 6/5/13

Description. This work shall include furnishing, installing, maintaining, replacing, relocating, and removing all traffic control devices used for the purpose of regulating, warning, or directing traffic. Traffic control and protection shall be provided as called for in the plans, applicable Highway Standards, District One Expressway details, Standards and Supplemental Specifications, these Special Provisions, or as directed by the Engineer.

General. The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions on the expressway through the construction zone. The Contractor shall arrange his operations to keep the closing of lanes and/or ramps to a minimum.

The Contractor shall be responsible for the proper location, installation, and arrangement of all traffic control devices. Special attention shall be given to existing warning signs and overhead guide signs during all construction operations. Warning signs and existing guide signs with down arrows shall be kept consistent with the barricade placement at all times. The Contractor shall immediately remove, completely cover, or turn from the motorist's view all signs which are inconsistent with lane assignment patterns.

The Contractor shall coordinate all traffic control work on this project with adjoining or overlapping projects, including barricade placement necessary to provide a uniform traffic detour pattern. When directed by the Engineer, the Contractor shall remove all traffic control devices that were furnished, installed, or maintained by him under this contract, and such devices shall remain the property of the Contractor. All traffic control devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

Added 1/9/14

Additional requirements for traffic control devices shall be as follows.

(a) Traffic Control Setup and Removal. The setting and removal of barricades for the taper portion of a lane closure shall be done under the protection of a vehicle with a truck/trailer mounted attenuator and arrow board. The attenuator vehicle shall be positioned in the live lane that is being closed or opened in advance of the workers and shall have the arrow panel directing traffic to the adjacent open lane. Failure to meet this requirement will be subject to a Traffic Control Deficiency charge. The deficiency will be calculated as outlined in Article 105.03 of the Standard Specifications and the Traffic Control Deficiency Deduction (BDE special provision). Truck/trailer mounted attenuators shall comply with Article 1106.02(g) or shall meet the requirements of NCHRP 350 Test Level 3 with vehicles used in accordance with manufacturer's recommendations and requirements.

(b) Sign Requirements

(1) Sign Maintenance. Prior to the beginning of construction operations, the Contractor will be provided a sign log of all existing signs within the limits of the construction zone. The Contractor is responsible for verifying the accuracy of the sign log.

Throughout the duration of this project, all existing traffic signs shall be maintained by the Contractor. All provisions of Article 107.25 of the Standard Specifications shall apply except the third paragraph shall be revised to read: "The Contractor shall maintain, furnish, and replace at his own expense, any traffic sign or post which has been damaged or lost by the Contractor or a third party. The Contractor will not be held liable for third party damage to large freeway guide signs".

(2) Work Zone Speed Limit Signs. Work zone speed limit signs shall be installed as required in Article 701.14(b) and as shown in the plans and Highway Standards. Based upon the existing posted speed limit, work zone speed limits shall be established and signed as follows.

a. Existing Speed Limit of 55mph or higher. The initial work zone speed limit assembly, located approximately 3200' before the closure, and shall be 55mph as shown in 701400. Additional work zone 45mph assemblies shall be used as required according to Article 701.14(b) and as shown in the Highway Standards and plans. WORK ZONE SPEED LIMIT 55 PHOTO ENFORCED assemblies may be omitted when this assembly would normally be placed within 1500 feet of the END WORK ZONE SPEED LIMIT sign.

b. Existing Speed Limit of 45mph. The advance 55mph work zone speed limit assembly shown in 701400 shall be replaced with a 45mph assembly. Additional work zone 45mph assemblies shall be used as required according to Article 701.14(b) and as shown in the Highway Standards and plans. WORK ZONE SPEED LIMIT 55 PHOTO ENFORCED assemblies shall be eliminated in all cases. END WORK ZONE SPEED LIMIT signs are required.

Added 1/9/14

(3) Exit Signs. The exit gore signs as shown in Standard 701411 shall be a minimum size of 48 inch by 48 inch with 12 inch capital letters and a 20 inch arrow. EXIT OPEN AHEAD signs shown in Standard 701411 shall be a minimum size of 48 inch by 48 inch with 8 inch capital letters.

(4) Uneven Lanes Signs. The Contractor shall furnish and erect "UNEVEN LANES" signs (W8-11) on both sides of the expressway, at any time when the elevation difference between adjacent lanes open to traffic equals or exceeds one inch. Signs shall be placed 500' in advance of the drop-off, within 500' of every entrance, and a minimum of every mile.

(c) Drums/Barricades. Check barricades shall be placed in work areas perpendicular to traffic every 1000', one per lane and per shoulder, to prevent motorists from using work areas as a traveled way. Check barricades shall also be placed in advance of each open patch, or excavation, or any other hazard in the work area, the first at the edge of the open traffic lane and the second centered in the closed lane. Check barricades, either Type I or II, or drums shall be equipped with a flashing light.

To provide sufficient lane widths (10' minimum) for traffic and also working room, the Contractor shall furnish and install vertical barricades with steady burn lights, in lieu of Type II or drums, along the cold milling and asphalt paving operations. The vertical barricades shall be placed at the same spacing as the drums.

(d) Vertical Barricades. Vertical barricades shall not be used in lane closure tapers, lane shifts, exit ramp gores, or staged construction projects lasting more than 12 hours. Also, vertical barricades shall not be used as patch barricades or check barricades. Special attention shall be given, and ballast provided per manufacture's specification, to maintain the vertical barricades in an upright position and in proper alignment.

(e) Temporary Concrete Barrier Wall. Prismatic barrier wall reflectors shall be installed on both the face of the wall next to traffic, and the top of sections of the temporary concrete barrier wall as shown in Standard 704001. The color of these reflectors shall match the color of the edgelines (yellow on the left and crystal or white on the right). If the base of the temporary concrete barrier wall is 12 inches or less from the travel lane, then the lower slope of the wall shall also have a 6 inch wide temporary pavement marking edgeline (yellow on the left and white on the right).

Method of Measurement. This item of work will be measured on a lump sum basis for furnishing, installing, maintaining, replacing, relocating, and removing traffic control devices required in the plans and these Special Provisions. Traffic control and protection required under Standards 701101, 701106, 701400, 701401, 701411, 701422, 701426, 710428, 701446, 701901 and District details TC-8, TC-9, TC-10, TC-17, TC-18 and TC-22 will be included with this item.

Added 1/9/14

Basis of Payment.

(a) This work will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS). This price shall be payment in full for all labor, materials, transportation, handling, and incidental work necessary to furnish, install, maintain, replace, relocate, and remove all Expressway traffic control devices required in the plans and specifications.

In the event the sum total value of all the work items for which traffic control and protection is required is increased or decreased by more than ten percent (10%), the contract bid price for TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) will be adjusted as follows:

Adjusted contract price =  $.25P + .75P [1 \pm (X-0.1)]$

Where: "P" is the bid unit price for Traffic Control and Protection

Where: "X" = Difference between original and final sum total value of all work items for which traffic control and protection is required Original sum total value of all work items for which traffic control and protection is required.

The value of the work items used in calculating the increase and decrease will include only items that have been added to or deducted from the contract under Article 104.02 of the Standard Specifications and only items which require use of Traffic Control and Protection.

(b) The Engineer may require additional traffic control be installed in accordance with standards and/or designs other than those included in the plans. In such cases, the standards and/or designs will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for any additional traffic control required will be in accordance with Article 109.04 of the Standard Specifications.

(c) Revisions in the phasing of construction or maintenance operations, requested by the Contractor, may require traffic control to be installed in accordance with standards and/or designs other than those included in the plans. Revisions or modifications to the traffic control shown in the contract shall be submitted by the Contractor for approval by the Engineer. No additional payment will be made for a Contractor requested modification.

(d) Temporary concrete barrier wall will be measured and paid for according to Section 704.

(e) Impact attenuators, temporary bridge rail, and temporary rumble strips will be paid for separately.

(f) Temporary pavement markings shown on the Standard will be measured and paid for according to Section 703 and Section 780.

Added 1/9/14

(g) All pavement marking removal will be measured and paid for according to Section 703 or Section 783.

(h) Temporary pavement marking on the lower slope of the temporary concrete barrier wall will be measured and paid for as TEMPORARY PAVEMENT MARKING, 6”.

(i) All prismatic barrier wall reflectors will be measured and paid for according to the Recurring Special Provision Guardrail and Barrier Wall Delineation.

**FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC**

Effective: March 22, 1996

Revised: February 9, 2005

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 Provisions for "Keeping the Expressway Open to Traffic", the Contractor shall be liable to the Department for the amount of:

One lane or ramp blocked = \$2,000

Two lanes blocked = \$5,000

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.

Added 1/9/14