Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 6, 2018

SUBJECT: FAI Route 290/FAP Route 342 (I-290/IL 53)
Project NHPP-ZV7C(839)
Section 2017-065BR
Cook County
Contract No. 62G08
Item No. 23, June 15, 2018 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 Schedule of Prices
2. Revised page ii of the Table of Contents to the Special Provisions
3. Added page 102-114 to the Special Provisions
4. Revised sheets 2, 4 and 6 of the Plans

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

Very truly yours,

Jack A. Elston, P.E.
Bureau Chief
Bureau of Design and Environment

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

cc: Anthony Quigley, Region 1, District 1; Tim Kell; D. Carl Puzey

MS/kf

Revised 6/6/18

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 = $ 1,000

Two lanes blocked = $ 2,500

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.

TRAFFIC CONTROL SURVEILLANCE (EXPRESSWAYS)
Effective: October 25, 1995 Revised: January 21, 2015

The contractor shall provide a person with a vehicle to survey, inspect and maintain all temporary traffic control devices when a lane is closed to traffic, when hazards are present adjacent to or within 10 foot of the edge of pavement for more than 24 hours, or as directed by the Engineer.

The surveillance person is required to drive through the project, to inspect all temporary traffic control devices, to correct all traffic control deficiencies, if possible, or immediately contact someone else to make corrections and to assist with directing traffic until such corrections are made, at intervals not to exceed 4 hours. This person shall list every inspection on an inspection form, furnished by the Engineer, and shall return a completed form on the first working day after the inspections are made.

The Contractor shall supply a telephone staffed on a 24-hour-a-day basis to receive any notification of any deficiencies regarding traffic control and protection or receive any request for improving, correcting or modifying traffic control, installations or devices, including pavement markings. The Contractor shall dispatch additional men, materials and equipment as necessary to begin to correct, improve or modify the traffic control as directed, within one hour of notification by this surveillance person or by the Department. Upon completion of such corrections and/or revisions, the Contractor shall notify the Department's Communication Center at (847) 705-4612.

Method of Measurement.
Traffic Control Surveillance will be measured on calendar day basis. One calendar day is equal to a minimum of six (6) inspections. The inspections shall start within 4 hours after the lane is closed to traffic, a hazard exists within 10 foot from the edge of pavement, or as directed by the Engineer and shall end when the lane closure or hazard is removed or as directed by the Engineer.

Basis of Payment.
Surveillance will be paid for at the contract unit price per calendar day or fraction thereof for TRAFFIC CONTROL SURVEILLANCE (EXPRESSWAYS). The price shall include all labor and equipment necessary to provide the required inspection and maintenance on the expressway and on all cross streets which are included in the project. The cost of the materials for the maintenance of traffic control devices shall be included in the traffic control pay items.

SPEED DISPLAY TRAILER (D1)
Effective: April 1, 2015 Revised: January 1, 2017

Revise the third paragraph of Article 701.11 of the Standard Specifications to read:

"When not being utilized to inform and direct traffic, sign trailers, speed display trailers, arrow boards, and portable changeable message boards shall be treated as nonoperating equipment."

Add the following to Article 701.15 of the Standard Specifications:

"(m) Speed Display Trailer. A speed display trailer is used to enhance safety of the traveling public and workers in work zones by alerting drivers of their speed, thus deterring them from driving above the posted work zone speed limit."

Whenever the speed display trailer is not in use, it shall be considered non-operating equipment and shall be stored according to Article 701.11."

Add the following to Article 701.20 of the Standard Specifications:

"(k) "Speed Display Trailer will NOT be paid for by separate pay item, but its costs shall be included in the contract unit price of the various traffic control pay items.

Add the following to Article 1106.02 of the Standard Specifications:

"(o) Speed Display Trailer. The speed display trailer shall consist of a LED speed indicator display with self-contained, one-direction radar mounted on an orange see-through trailer. The height of the display and radar shall be such that it will function and be visible when located behind concrete barrier.

The speed measurement shall be by radar and provide a minimum detection distance of 1000 ft (300 m). The radar shall have an accuracy of ±1 mile per hour.

The speed indicator display shall face approaching traffic and shall have a sign legend of "YOUR SPEED" immediately above or below the speed display. The digital speed display shall show two digits (00 to 99) in mph. The color of the changeable message legend shall be a yellow legend on a black background. The minimum height of the numerals shall be 18 in. (450 mm), and the nominal legibility distance shall be at least 750 ft (250 m).

The speed indicator display shall be equipped with a violation alert that flashes the displayed detected speed when the posted limit is exceeded. The speed indicator shall have a maximum speed cutoff. On roadway facilities with a normal posted speed limit greater than or equal to 45 mph, the detected speeds of vehicles traveling more than 25mph over the work zone speed limit shall not be displayed. On facilities with normal posted speed limit of less than 45 mph, the detected speeds of vehicles traveling more than 15 mph over the work zone speed limit shall not be displayed. On any roadway facility if detected speeds are less than 25 mph, speed shall not be displayed. The display shall include automatic dimming for nighttime operation.

The speed indicator measurement and display functions shall be equipped with the power supply capable of providing 24 hours of uninterrupted service."

TRAFFIC CONTROL FOR WORK ZONE AREAS
Effective: September 14, 1995 Revised: January 1, 2007

Work zone entry and exit openings shall be established daily by the Contractor with the approval of the Engineer. All vehicles including cars and pickup trucks shall exit the work zone at the exit openings. All trucks shall enter the work zone at the entry openings. These openings shall be signed in accordance with the details shown elsewhere in the plans and shall be under flagger control during working hours.

The Contractor shall plan his trucking operations into and out of the work zone as well as on to and off the expressway to maintain adequate merging distance. Merging distances to cross all lanes of traffic shall be no less than 1/2 mile. This distance is the length from where the trucks enter the expressway to where the trucks enter the work zone. It is also the length from where the trucks exit the work zone to where the trucks exit the expressway. The stopping of expressway traffic to allow trucks to change lanes and/or cross the expressway is prohibited.

Failure to comply with the above requirements will result in a Traffic Control Deficiency charge. The deficiency charge will be calculated as outlined in Article 105.03 of the Standard Specifications. The Contractor will be assessed this daily charge for each day a deficiency is documented by the Engineer.

SMART TRAFFIC MONITORING SYSTEM

Description: This Work shall consist of furnishing, installing, maintaining, removing, and programming various components of an automated Smart Traffic Monitoring (STM) System. The STM System shall cover IDOT Contract 62G08, I-290 (SB) Eisenhower Expressway (SB) over IL 72, Woodfield Road, IL 58, and I-90. This work shall be done according to Section 701 of the Standard Specifications, described herein, and as directed by the Engineer.

Lane Closures: The STM System shall display messages from the System for lane closures in place on I-290 (SB) Eisenhower Expressway (SB) over IL 72, Woodfield Road, IL 58, and I-90 on the following Contract:

FAP Route 342 (Interstate 290)
Section 2017-065BR
Cook County
Bridge Joint Repairs

Schedule: the STM System shall be 100% operable prior to lane closures going in place on I-290 for Contract 62G08. The STM System shall be in operation 24 hours a day and 7 days per week until Contract 62G08 is complete.

Function: The components include Smart Traffic Monitoring Devices (SMD), portable changeable message signs (PCMS), control software, and communications system.

The main purpose of the STM System is to collect real time vehicle travel data at strategic locations prior to and within work zones to provide drivers with advance information about travel time and delay through the work zone and stopped traffic ahead. The real time vehicle travel data shall be automatically transmitted and processed by control software which remotely commands PCMS to display programmed messages based on the travel data.

The messages shall be in real time and dynamically based on the data collected by SMD. In addition, the STM System shall also have the capability to inform the District Office of traffic delays via the Internet or through the District's Operations and Communications Center.

The STM System shall calculate and notify drivers via PCMS of the actual traffic backup delay time for the entire work zone. The calculation method of the backup delay time shall be submitted to the Engineer for approval. The STM System shall notify drivers of multiple levels of travel time delay based on user-definable speed thresholds (e.g., speeds less than 30 mph) and shall be capable of displaying the distance to slow or stopped traffic with an accuracy of a half mile a minimum of two miles in advance of slowed or stopped traffic by displaying messages on PCMS located on mainline FAP 342 as shown herein and directed by the Engineer. The message library and number of PCMS displaying travel time delay related messages will be determined by the Engineer.

Smart Monitoring Devices: The Contractor shall provide a device that is MUTCD compliant and consistent with the work zone channelizing devices used throughout the regular construction work zone. The SMD shall be crashworthy as defined by NCHRP 350 Category 2, easy to carry and deploy, and lightweight so that it can be positioned by any one member of a construction crew with no special skill requirements or lifting machinery. The SMD shall be independent of all local or regional power and communication networks to provide continuous, uninterrupted, data collection even during power or communication interruption. The SMD shall communicate in series and real time with multiple other SMD and PCMS. The SMD shall gather real-time data, provide 95% accuracy on all vehicle detection, have GPS functionality, transfer data to web based communications for monitoring, and communicate with the PCMS 24 hours per day 7 days a week. The web based interface shall provide vehicle speed, volume, and queue at each device location and maintain data history for a minimum of 12 months. The number and proper location of SMD needed to provide dynamic, travel time messages from the System shall be recommended by the manufacturer and approved by the Engineer. The limit of this system's detection is intended to extend beyond the limits of queuing from the project, and suggest using an alternate route. *Vehicle detection shall cover a distance along I-290 (SB) Eisenhower Expressway. Detectors shall be strategically placed in sufficient quantity and frequency to provide travel time delay and queue length date within 0.5 mile accuracy.*

Control Software: The control software shall be web-based. Authorized IDOT personnel shall be enabled to view all devices via the Internet. The software shall be configurable to meet project requirements. The software shall offer both a public information side and a password protected agency-only side.

The control software shall include a map feature showing real time traffic conditions. This shall be offered in an easy to understand visual format via the Internet, such as color coding. It shall also display the devices on the project. By "clicking" on any device, the user shall be able to learn its current condition and operating properties. SMD shall display current speeds and/or volumes and changeable message signs shall display current message(s). The device information will also include a data and time stamp showing when they last reported to the control software. The software shall include user-settable parameters to dynamically trigger in real time new messages to be displayed on the roadside changeable message signs. The software shall also make it easy for authorized personnel to override the current message with a new one in emergencies or when conditions warrant it.

The software shall provide email and/or text alerts to specified IDOT personnel when speeds or queue lengths exceed IDOT defined parameters.

The software shall provide an XML data feed to IDOT on request and shall hold an archive or data for a period of not less than 1 year in a manner that is readily accessible to IDOT personnel with no additional assistance and at no additional cost.

All public agencies authorized by IDOT shall be granted user accounts as no additional cost to IDOT or the agencies.

Portable Changeable Message Signs: The PCMS shall meet the requirements of Article 701 of the Standard Specifications. The signs shall be equipped with communications equipment fully compatible with the STM System and shall wirelessly communicate with the SMDs and control software independent of the PCMS manufacturer. PCMS shall be provided in sufficient quantity and strategic placement to cover the variable level conditions approaching and within the work zone. The placement plan shall include advance PCMS located 5 miles in advance of the work zone on each approach, *and advance PCMS located in advance of the alternate route.* Preferred locations of PCMS may be suggested by the Engineer. The final number and location of the PCMS shall be recommended by the Contractor and approved by the Engineer. The trailer shall be installed beyond the edge of shoulder and shall not block any part of a lane or shoulder. The contractor may have to temporarily widen embankments with sandbags or other temporary material to properly install the trailer.

Protection: All communications in the STM System shall be protected to prevent unauthorized personnel from accessing the data or changing the displays on the PCMS

Performance Requirements: Device shall gather and report real-time data during the work zone hours or as required as a single unit or as a system. Website shall report data overlaying work zones onto an interactive map. Work zones shall be represented by a single symbol and present data in a pop up window when selected. Data shall include the data, time, and average speed through the work zone. Symbols shall also be color coded to represent general speed conditions. Website shall have web access granted accounts for any and all public sector entities. For strategic speed enforcement, law enforcement agencies shall be granted an account in their jurisdiction at their request at no additional cost. Web access shall allow stakeholders to download archive data such as counts, travel time, speed bin, and speed history.

System Communications: All communication networks used in the STM System shall be provided by the Contractor. When any part of the STM System has not been functioning for ten minutes, the System shall notify the Engineer of the malfunction. Upon direction of the Engineer, the System shall also notify the Contractor and/or the District's Operations and Communication Center.

Penalties: The Engineer shall notify the Contractor when any components of the STM System is not functioning properly at any time 24 hours a day and 7 days per week. Once the Contractor has been notified that the STM System is not functioning properly, the Contractor shall have four hours to repair the System. After four hours, a monetary penalty shall be assessed to the Contractor. The penalty shall be $2000 for each hour or portion thereof until the System is functioning properly.

Method of Measurement: This work will be measured for payment on a lump sum basis.

Basis of Payment: This work will be paid for at the contract unit price per lump sum for SMART TRAFFIC MONITORING SYSTEM.

(a) After the STM System is set up and 100% operable, 25% of the pay item will be paid.

(b) After each month of use, 65% of the pay item will be paid on a prorated monthly basis.

(c) After the STM System is completely removed, 10% of the pay item will be paid.

PORTABLE VIDEO TOWER STATIONS

Description. This work shall consist of furnishing, installing, maintaining, relocating, and removing a system of video surveillance stations as well as providing web-based viewing and control for each individual station for incident management and traffic operation.

The purpose of the system is to provide real-time, full motion video surveillance of traffic operations at various locations along the project route via the internet to multiple IDOT facilities.

Equipment. The video surveillance equipment shall consist of trailer-mounted mobile video camera systems. The system shall be easily transported and set up quickly by one individual.

Cameras shall consist of full pan-tilt-zoom cameras capable of transmitting a minimum of 20 frames per second. Camera stations shall be capable of 360 degree panning, 90 degree tilt, and a minimum of 25x zoom. For video monitoring, each camera shall be capable of autoswitching between user-defined preset positions as well as full manual control. At least half of all stations shall include infrared video capability for use in unlit regions of the contract.

This Contract shall have a total of three (3) Individual trailered video stations. All stations shall be capable of raising the camera(s) to a height of 40'. The stations shall also include infrared cameras for use in unlit sections of the highway. Each station shall be designed to be stable during normal winds (up to 50 MPH) keeping camera wobble to a minimum.

Each station shall have battery power with solar charging for continuous operation.

Communications. Each station shall have the necessary communication equipment required for transmitting and receiving Information via the Internet. Data upload/download requirements with the service provider shall be sufficient to ensure the 20 frames per second continuous transmission.

General. The Station shall be 100% operable prior to the implementation of MOT Stage. The MOT Stage shall not be implemented prior to the Station being in place and operable.

The Station shall be operation 24 hours a day and 7 days per week during the duration of each stage.

Video shall be accessible via the internet. No additional software shall be needed to access the website for viewing or controlling cameras. Secure logins shall be capable for full viewing and control as well as view-only.

Still Picture Capture. The station shall be capable of capturing a still image in JPEG format and automatically transferring this image to an FTP site. The resolution of the image shall be user selectable with a default size of 704X480 pixels. The frequency of captures shall be user settable and shall as a minimum range from 1 picture every 120 seconds to 1 picture every five minutes. As a part of the still image capture, a graphic overlay image shall be added to the captured image. The graphic image shall be user selectable, in JPEG, or GIF formats. The overlay shall also be user positional. The image will be provided by the Department.

Trailer should be located as directed by the Engineer. Positioning should be to maximize the field of view and coverage along the project corridor. Once installed and operations, the Contractor shall provide the latitude and longitude of each device to the Engineer unless the stations self-transmit GPS locations. Relocation of the stations should be minimized; however it may be necessary based upon traffic characteristics or operational Issues. Additionally, if and when a unit is relocated, the coordinates must also be updated.

The contractor may be required to periodically clean the protective clear shroud surrounding the camera to ensure visibility and proper operation which is included in the cost of the item.

Method of Measurement. Portable Video Tower Stations will be measure on a calendar month basis for the entire system.

One calendar month is defined as thirty-one (31 calendar days where the system Is fully functional. In the event that all or a portion of the system Is not fully functional, the full month payment will be deducted as follows whereas:

- X equals the number of stations not functioning
- N equals the total stations in the contract
- D equals the number of 6-hour periods where a station does not work

Deduction = (X/N) x (D/4) x (1/31)

Deductions will begin when the entire system or portion thereof is not functional for over 2 hours and will be rounded up t the nearest 6 hours. Fully functional shall mean that full video is being transmitted and received on a remote computer via the internet, images are not obscured due to lack of maintenance or cleaning, and stations maintain pan-tilt-zoom control via the Internet. Internet service failures not due to the Contractor or their pay item will not be Included for deduction.

Basis of Payment. PORTABLE VIDEO TOWER STATIONS shall be paid at the contract unit price per calendar month or fraction thereof for the entire system.

SHOULDER RUMBLE STRIP REMOVAL

Description. This work shall consist of surface removal of existing shoulder rumble strips constructed in hot-mix asphalt shoulders, and the placement of hot-mix asphalt in the milled area, prior to placing traffic onto the shoulder in a construction stage. This work shall take place per the limits shown on the plans and/or as directed by the Engineer.

General Requirements. The nominal depth of the surface removal shall be 1.5 inches. Unless otherwise shown in the Plans, the width of the surface removal shall be four (4) feet, measured from the mainline pavement longitudinal joint between the mainline pavement and adjoining shoulder.

After hot-mix asphalt surface removal, the surface shall be primed in accordance with Article 406.05(b) of the Standard Specifications. The surface removal area shall then be filled with hot-mix asphalt surface course and compacted flush with the adjoining pavement and surfaces. The mix to be used for this item shall be IDOT Hot Mix Asphalt Surface Course, IL.9.5, Mix D, N70 unless otherwise specified in the Contract.

Method of Measurement. SHOULDER RUMBLE STRIP REMOVAL will be measured for payment in square yards. Any portion of this work constructed outside the dimensions shown on the Plans or as directed by the Engineer will not be measured for payment.

Basis of Payment. Payment for SHOULDER RUMBLE STRIP REMOVAL, measured as specified will be made at the Contract unit price per square yard, which payment shall constitute full compensation for removal of the designated portion of hot-mix asphalt shoulder; cleaning the milled area and removing all debris; applying prime tack; placing and compacting hot-mix asphalt surface mix; and for all labor, equipment, tools and incidentals necessary to complete the work as specified.

Lane/shoulder closures required for this item will not be paid for separately, but will be included in the Contract unit price TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

This work shall be according to Article 669 of the Standard Specifications and the following:

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the Contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as either “uncontaminated soil” or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

Southbound I-290/IL Route 53 Over Woodfield Road

- Station 80+70 to Station 81+20 (CL I-290/IL 53), 20 to 110 feet LT, all excavation associated with approach slab and bridge abutment improvements. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Potential contaminants of concern sampling parameters: VOCs, SVOCs and Metals.
- Station 82+60 to Station 83+10 (CL I-290/IL 53), 20 to 110 feet LT, all excavation associated with approach slab and bridge abutment improvements. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.09(a)(5). Potential contaminants of concern sampling parameters: VOCs, SVOCs and Metals.

KEEPING THE TOLLWAY OPEN TO TRAFFIC

Whenever work is in progress on or adjacent to the Tollway, 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, Section 701 of the Tollway Supplemental Specifications and the Tollway Lane Closure Standards and details. All Contractors' personnel shall be limited to these barricaded work zones and shall not cross the Tollway.

The temporary lane closures will be permitted only with the Tollway's approval. All temporary lane and shoulder closure requests must be submitted to the Tollway in accordance with Article 1.5.3.2 of the Tollway Traffic Control and Communications Guidelines. These requests must be received by the Tollway before 9:00 am weekdays at least one business day before the closure. This advance notification is calculated based on workweek of Monday through Friday and shall not include weekends or Holidays.

LOCATION: I-290 OVER I-90

WEEKNIGHT	TYPE OF CLOSURE	ALLOWABLE LANE CLOSURE HOURS		
SUNDAY - THURSDAY	1-LANE	8:00 PM	to	5:00 AM
FRIDAY	1-LANE	9:00 PM (FRI)	to	9:00 AM (SAT)
SATURDAY	1-LANE	8:00 PM (SAT)	to	11:59 AM (SUN)

In addition to the hours noted above, temporary shoulder closures is allowed per request.

Full Tollway Closures will only be permitted for a maximum of 15 minutes at a time during the low traffic volume hours of A.M. to A.M. Monday thru Friday and from A.M. to A.M. on Sunday. During Full Tollway 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 Illinois State Toll Highway Authority's Daily Traffic Control Authorization **shall be** notified ((630) 241-6800 ext. 3822) 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.

All stage changes requiring the stopping and/or the pacing of traffic shall take place during the allowable hours for Full Tollway Closures and shall be approved by the Department.
All daily lane closures shall be removed during adverse weather conditions such as rain, snow, and/or fog and as determined by the Engineer.

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 Tollway. All lane closures (includes the taper lengths) without a three (3) mile gap between each other, in one direction of the Tollway, shall be on the same side of the pavement. Lane closures on the same side of the pavement with a half (1/2) 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.

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 Tollway right-of-way will only be permitted at the locations approved by the Engineer.
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TOLLWAY PERMIT AND BOND
Effective: January 13, 1989

The Contractor will be required to obtain a permit from the Illinois State Toll Highway Authority (ISTHA) according to Article 107.04 of the Standard Specifications prior to initiating any lane closures on the Tollway or doing any work on the ISTHA right of way. As part of the permit, the Contractor will be required to post a surety bond with the ISTHA.

The Contractor will furnish a copy of the authorized permit to the Engineer.

MAINTENANCE OF TRAFFIC (ILLINOIS TOLLWAY)

Description

This work shall be in accordance with Section 701 of the Tollway Supplemental Specifications, plans, details, and as further defined and prescribed herein. This item shall be used for maintenance of traffic on the Jane Addams Tollway (I-90).

General Requirements

Special attention is called to Section 701 of the Tollway Supplemental Specifications, and the following Tollway Standard Drawings relating to traffic control:

Tollway Standard Drawings used on Tollway jurisdiction: E2, E3

Special Provisions applied to Mainline I-90:
Temporary Information Signing (Tollway)
Supplemental Traffic Control Devices (Tollway Recurring)

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 through the construction zone. The Contractor shall arrange his/her operations to keep the closing of lanes and/or roads to a minimum.

The Contractor shall be responsible for the proper location, installation, and arrangement of all traffic control devices as shown in the Tollway Standard Drawings. Special attention shall be given to existing warning signs and guide signs during all construction operations. Warning signs and existing guide signs with arrows shall be kept consistent with the barricade placement at all times.

The Contractor shall immediately remove or completely cover all signs that are inconsistent with lane assignment patterns. All traffic control devices used for the maintenance of traffic, as detailed on the plans, shall be reflectorized prior to installation and cleaned as specified by the Engineer.

When directed by the Engineer, the Contractor shall remove all traffic control devices which were furnished, installed, or maintained by Contractor under this contract. All traffic control devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

The contractor shall be responsible for and replace any signs that are supplied by others and damaged by the 62G085 contractor’s workforce or subcontractors during relocation or construction operation.

The maintenance of all signs, drums, pavement markings, barriers, attenuators, reflective markers, delineators, relocation of traffic control devices for snow removal operations, removal of conflicting raised pavement lane markers, construction flagging, and maintenance, protection and relocation of points for temporary access shall be required until the Contract Completion Date. This work shall be included in the MAINTENANCE OF TRAFFIC (ILLINOIS TOLLWAY) pay item.

SLOPE WALL CRACK SEALING

This work consists of the sealing of slope wall joints or cracks in the existing slope walls and as directed by the Engineer.

Materials. The sealant shall be polysulfide joint sealant meeting the requirements of Article 1050.03 of the Standard Specifications. Backer rod shall be a closed-cell, plastic-foam, heat resistant, chemically inert, waterproof rod compatible with the sealant used.

Construction. The joints and cracks shall be sealed according to Article 420.12 of the Standard Specifications, except that the joints and cracks shall be sealed with polysulfide joint sealant. Cracks where voids exist that exceed 3/4 inch depth and are wider than l/4 inch shall be provided with a backer rod to control the depth of sealant. The backer rod shall be placed so that the depth of sealant is not more than 3/4 inch deep. The areas where backer rod will be required shall be as directed by the Engineer. The rod diameter shall be 1/8 inch (minimum) wider than the joint.

Basis of Payment. This work will be paid for at the contract unit price per foot for SLOPE WALL CRACK SEALING, which price shall include all labor, equipment, and material necessary to complete the work as specified.