



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 8, 2010

SUBJECT: FAP Route 331 (IL 13)
Project ACNHF-0331 (051)
Section (1-2) N-2,R; (1X-1)N-3, R-2
Williamson County
Contract No. 98857
Item No. 117, January 15, 2010 Letting
Addendum C

NOTICE TO PROSPECTIVE BIDDERS:

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

1. Revised page iii of the Table of Contents to the Special Provisions.
2. Revised pages 3, 5, 6 and 8 of the Special Provisions.
3. Added pages 101 - 102 to the Special Provisions.

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,

Charles Ingersoll, Chief
Bureau of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E." with a small "P.E." to the right.

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

cc: Mary C. Lamie, Region 5, District 9; Mike Renner; Estimates

TBW:DB:jc

STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 87
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Revised 01/08/2010

Name and Address of Utility	Type	Locations	Estimated Date Adjustment Completed
Ameren CIPS P.O. Box 460 Marion, IL 62959	Aerial electric and Natural Gas	Electric and gas throughout project	Before or during construction
E.D.T. Specialist-Fiber Optic Cable 1907-A Industrial Park Dr. Marion, IL 62959	Fiber optic cable	No known conflicts	
Verizon Telephone 208 W. Union Marion, IL 62959	Aerial and buried telephone cable	Throughout project	Before or during construction
Kentucky Data Link-Fiber Optic Cable RR2 Box 93A Dahlgren, IL 62828	Fiber optic cable	No known conflicts	
City of Marion- Water and Sewer 1102 Tower Square Marion, IL 62959	Water and sewer lines	Water and Sewer throughout project	Before or during construction
Southeastern Illinois Electric Cooperative P.O. Box 371 Eldorado, IL 62930	Aerial electric	No known conflicts	
Shell Pipeline 701 Poydras Suite 1046 New Orleans, LA 70139	Buried 24" liquid transmission pipeline	No known conflicts	
MediaCom-Cable T.V. P.O. Box 695 Carbondale, IL 62903	Aerial cable	No known conflicts	
City of Herrin Water Department 300 N. Park Avenue Herrin, IL 62948	Water line	No known conflicts	

Additional utility information may be obtained by calling the "Joint Utility Location Information for Excavators" phone number, 800-892-0123. This project is located in the West Marion Township.

EDGE OF PAVEMENT DROP-OFF

The drop-off adjacent to the edge of any live lane shall not exceed 18" in height. When the drop-off adjacent to the edge of any live lane is greater than 3" but less than 18", the drop-off shall not exceed 0.5 mile in length or 60 hours in duration. The posted speed shall be 45 mph and the channelizing devices shall be at 50' spacing. The channelizing devices along the drop-off shall be Type II barricades. The cost of these requirements shall be included in the cost of the various traffic control pay items. **If the Contractors' work does not meet these requirements then the Contractor will not be in compliance with the project's Traffic Control Plan and a Traffic Control Deficiency Deduction per article 105.03(b) will be assessed.**

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LANE RENTALS FOR THIRD LANE PCC PAVEMENT

Description. For the purpose of this lane rental specification the work day will be divided into a 12 hour night time period and a 12 hour day time period defined as follows: the night time period shall be from 7:00 pm to 7:00 am and the day time period shall be from 7:00 am to 7:00 pm. Lane closures are to be allowed only during the night time period. No daytime lane closures are to be permitted. If due to equipment failure or any other reason the contractor is not able to open all lanes of ILL 13 to traffic by 7:00 am, the contractor will be charged for traffic control deficiency deduction and a lane rental disincentive as described below. Lane Rental disincentive charges in excess of the allotted number of days will be deducted from the monthly progress payments.

Lane Rental (night time period) A Lane Rental closure is anytime there are less than two 12 foot lanes provided on ILL 13 in either direction of travel. As long as two 12' traffic lanes are provide, not including using the shoulder, no Lane Rental charge will be assessed. Lane closures caused by moving operations (pavement marking, raised reflective pavement markers, etc.) are counted as a lane closure. If an eastbound and a westbound lane are both closed, then two closures will be assessed. The Contractor will be assessed a minimum of one day Lane Rental charge for each lane closure or obstruction during the night time period. A total of 47 night time period lane closures will be allowed for the contractor to complete all work requiring lane closures on ILL 13.

Lane Rental (day time period) A Lane Rental closure is anytime there are less than two 12 foot lanes provided on ILL 13 in either direction of travel. As long as two 12' traffic lanes are provide, not including using the shoulder, no Lane Rental charge will be assessed. Lane closures caused by moving operations (pavement marking, raised reflective pavement markers, etc.) are counted as a lane closure. If an eastbound and a westbound lane are both closed, then two closures will be assessed. The Contractor will be assessed a minimum of one day Lane Rental charge for each lane closure or obstruction during the day time period. A total of 4 day time period lane closures will be allowed for the contractor to complete moving operations. No day time closures will be allowed for any other stage of construction without a disincentive assessment. Day time closures will only be permitted in the event that the contractor cannot complete night work due to unforeseen circumstances such as equipment failure.

Disincentive Plan (night time period) The Contractor shall be liable to the Department in the amount of \$15,000 for each night time period beyond the number allowed in the Contract. There is no limit to the number of Lane Rental charges assessed that exceed the allotted night time lane closure periods.

Disincentive Plan (day time period) The Contractor shall be liable to the Department in the amount of \$15,000 for each day time period beyond the number allowed in the Contract. There is no limit to the number of day time Lane Rental charges assessed that exceed the allotted day time lane closure periods.

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INTERSECTION RENTAL

Description. Intersection Rental is defined as the closure of Terminal Drive, Pentecost Road, Bainbridge Road, or Redco Road. The Contractor will be charged a monetary assessment for each day or part of a day that Terminal Drive, Pentecost Road, Bainbridge Road, or Redco Road is closed to traffic in excess of an accumulated total allowed of 42 days to construct the sideroad pavement. Intersection Rental will be assessed a minimum of one day for the time the Contractor occupies or obstructs part of Terminal Drive, Pentecost Road, Bainbridge Road, or Redco Road. **Lane closures on Illinois 13 that are required to complete work in stages 2, 3, and 4 are included in the 42 days of intersection rental and will not be charged against lane rentals for third lane PCC pavement.**

A total of 42 lane closure days will be allowed for the contractor to complete all work requiring lane closures on Terminal Drive, Pentecost Road, Bainbridge Road, and Redco Road. The following is lane closure breakdown is for information only. The disincentive plan applies only to the total of 42 lane closures. The lane closures were estimated as listed below:

- 9 lane closures for Terminal Drive
- 9 lane closures for Pentecost Road
- 12 lane closures for Bainbridge Road
- 12 lane closures for Redco Road

Lane Rental. The Contractor will be assessed a minimum of a one day Intersection Rental charge for each lane closure. Intersection Rental in excess of allotted number of days will be deducted from the monthly progress payments.

The Contractor shall notify the Resident Engineer two weeks prior to any lane closure of Terminal Drive, Pentecost Road, Bainbridge Road, or Redco Road. Message boards as shown in the plan details shall warn motorists of the road closure at least two weeks in advance, and remain in place throughout the closure.

The Contractor shall be liable to the Department for \$8000 for each Intersection Rental day beyond the 42 days allowed to complete the work of stages 2 through 4 of the staging plans. There is no limit to the number of Intersection Rental days assessed that exceed the allotted days.

Should the Contractor be delayed in the commencement, prosecution, or completion of the work for any reason, there shall be no extension of the disincentive payment calculation

MEDIAN RENTAL

Description. Median Rental is defined as the closure of the median of IL 13 at Terminal Drive and at Pentecost Road. The Contractor will be charged a monetary assessment for each day or part of a day that the median of IL 13 at Terminal Drive and Pentecost Road is closed to traffic in excess of an accumulated total allowed of 56 days to construct the turn lane and acceleration lane. Median Rental will be assessed a minimum of one day for the time the Contractor occupies or obstructs part of the median of IL 13 at Terminal Drive and at Pentecost Road.

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The exact location of the placement of these signs shall be determined in the field by the Engineer.

The furnishing, placing, and maintaining of portable changeable message sign(s) shall be paid for per calendar month as CHANGEABLE MESSAGE SIGN.

STRINGLINE GRADE CONTROL

Effective: 1990

Revised 1/3/00

The Contractor shall use stringline grade control for the **placement of the aggregate base course, placement of the stabilized sub-base, and placement of the pcc pavement. The three day cure of granular subbase required in Article 311.05 shall be waived.**

The stringline grade supports shall be placed at 7.6 m (25') intervals. The stringline and supports shall be offset so as not to interfere with rolling operations.

A tolerance of 12 mm (½") from the proposed grade elevations will be permitted for the final earth subgrade; a tolerance of 6 mm (¼") will be permitted for the final lime modified soil subgrade.

It is understood that the cost of complying with these requirements is included in the unit prices of the various pay items involved, and no additional compensation will be allowed.

AGGREGATE FOR DRIVEWAY MAINTENANCE

This work shall consist of placing aggregate at entrances to maintain access and at other locations as determined by the Engineer. The aggregate shall be CA 6 or CA 10 and shall be placed and compacted to the satisfaction of the Engineer.

This work will be measured for payment in tons and shall be paid at the contract unit price per TON for AGGREGATE FOR DRIVEWAY MAINTENANCE.

TWO WEEK NOTIFICATION PRIOR TO STARTING WORK

Effective: December 2005

Revise the first sentence of Article 107.09 Public Convenience and Safety to the following "The Contractor shall notify the Engineer at least 14 days in advance of starting any construction work.

This additional notification is required so that the public can be notified of the pending construction.

CONDUIT, AUGERED

This work shall consist of furnishing and installing a conduit of the type and size specified, in accordance with Article 810 of the Standard Specifications for Road and Bridge Construction except as described herein.

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CONCRETE MIX DESIGNS (BDE)

Effective: April 1, 2009

Add the following to Article 1020.05(c) of the Standard Specifications:

“(5) Performance Based Finely Divided Mineral Combination. For Class PV and SI concrete a performance based finely divided mineral combination may be used. The minimum cement factor, maximum cement factor, and water cement ratio of Article 1020.04 shall be replaced with the values below, and the performance based finely divided mineral combination herein is an alternative to Articles 1020.05(c)(1), (c)(2), (c)(3), and (c)(4). The mix design shall meet the following requirements and the Engineer may request a trial batch.

- a. The mixture shall contain a minimum of 375 lbs/cu yd (222 kg/cu m) of portland cement. For a blended cement, a sufficient amount shall be used to obtain the required 375 lbs/cu yd (222 kg/cu m) of portland cement in the mixture. For example, a blended cement stated to have 20 percent finely divided mineral, ignoring any ASTM C 595 tolerance on the 20 percent, would require a minimum of 469 lbs/cu yd (278 kg/cu m) of material in the mixture. When the mixture is designed for cement content from 375 lbs/cu yd (222 kg/cu m) to 400 lbs/cu yd (237 kg/cu m), the total of organic processing additions, inorganic processing additions, and limestone addition in the cement shall not exceed 5.0 percent.
- b. The mixture shall contain a maximum of two finely divided minerals. The finely divided mineral in a blended cement shall count toward the total number of finely divided minerals allowed. The finely divided mineral(s) shall constitute a maximum of 35.0 percent of the total cement plus finely divided mineral(s). The fly ash portion shall not exceed 30.0 percent for Class C fly ash or 25.0 percent for Class F fly ash. The Class C and F fly ash combination shall not exceed 30.0 percent. The ground granulated blast-furnace slag portion shall not exceed 35.0 percent. The microsilica or high-reactivity metakaolin portion used together or separately shall not exceed 5.0 percent. The finely divided mineral in the blended cement shall apply to the maximum 35.0 percent, and shall be determined as discussed in a. above for determining portland cement in blended cement.
- c. For central mixed Class PV and SI concrete, the mixture shall contain a minimum of 535 lbs/cu yd (320 kg/cu m) of cement and finely divided mineral(s) summed together, and a water-reducing admixture shall be used. The value shall be 565 lbs/cu yd (335 kg/cu m) without a water-reducing admixture.

For truck mixed or shrink mixed Class PV and SI concrete, the mixture shall contain a minimum of 575 lbs/cu yd (345 kg/cu m) of cement and finely divided mineral(s) summed together, and a water-reducing admixture shall be used. The value shall be 605 lbs/cu yd (360 kg/cu m) without a water-reducing admixture.

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- d. The mixture shall contain a maximum of 705 lbs/cu yd (418 kg/cu m) of cement and finely divided mineral(s) summed together.
- e. The mixture shall have a water/cement ratio of 0.32 – 0.44.
- f. The mixture shall not be used for placement underwater.
- g. The combination of cement and finely divided mineral(s) shall have an ASTM C 1567 expansion value ≤ 0.16 percent, and shall be performed on the aggregate in the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly.

If during the two year time period the Contractor needs to replace the portland cement, and the replacement portland cement has an equal or lower total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$), a new ASTM C 1567 test will not be required. However, replacement of a blended cement with another cement will require a new ASTM C 1567 test.”

Added 01/08/2010