



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 21, 2007

SUBJECT: FAI Route 57 (I-57) & FAU 9629 (Old ILL. 13)
Project ACIM-HSIP-057-2 (146) 053
Section (X1-6-2)VB-2, (X1-6)HBK-2
Williamson County
Contract No. 98950
Item No. 99, March 9, 2007 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 sheets 134, 896, and 899 of the Plans.
2. Revised pages i - iv of the Table of Contents to the Special Provisions.
3. Revised page 10 of the Special Provisions.
4. Added pages 150 - 151 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,

Eric E. Harm
Interim Bureau Chief
Bureau of Design and Environment

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

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

cc: Mary C. Lamie, Region 5, District 9; N. R. Stoner; Roger Driskell; R. E. Anderson; Estimates; Design & Environment File

TABLE OF CONTENTS

LOCATION OF PROJECT	1
DESCRIPTION OF PROJECT	1
UTILITIES.....	1
VERIZON MANHOLES	3
TRAFFIC CONTROL PLAN	3
TRAFFIC CONTROL AND PROTECTION	6
TRAFFIC CONTROL SN 100-0005 AND SN 100-0009	6
TRAFFIC CONTROL AND PROTECTION STANDARD 701422	6
PORTABLE CHANGEABLE MESSAGE SIGNS	7
RUBBLIZED PAVEMENT STAGE CONSTRUCTION REQUIREMENTS	7
EQUIPMENT PARKING AND STORAGE	7
THREE WEEK NOTIFICATION PRIOR TO STARTING WORK.....	8
PROSECUTION AND PROGRESS.....	8
DATE OF COMPLETION.....	8
FAILURE TO COMPLETE THE WORK ON TIME.....	8
LANE RENTAL.....	9
BORROW EXCAVATION	9
DEMOLITION PLAN	10
ERECTION PLAN	10
REMOVAL OF UNSTABLE SOILS.....	10
MUCK REMOVAL	11
SUBGRADE	11
SUB-BASE GRANULAR MATERIAL 6".....	11
SEEDING AND MULCH.....	12
TEMPORARY SEEDING AND MULCH.....	13
RAILROAD CONTACT	14
SN 100-0008.....	14
BRIDGE DECK CONCRETE OVERLAY	14
TEMPORARY CONCRETE BARRIER (STATE RETAINED).....	14
TEMPORARY CONCRETE BARRIER RELOCATION	15
THRIE BEAM SALVAGE	15
REMOVAL OF LOOSE CONCRETE ON BRIDGE OVERHANGS	16
CORING FOR GUARDRAIL INSTALLATION	16

REVISED 02/21/2007

PAVEMENT PATCHING..... 16

PARTIAL DEPTH PAVEMENT PATCHING 17

DELINEATORS..... 18

FULL-ACTUATED CONTROLLER STANDARD SEQUENCE IV, IN TYPE IV CABINET 19

GULFBOX JUNCTION..... 20

HANDHOLE SPECIAL..... 20

SERVICE INSTALLATION, TYPE A (SPECIAL) 21

INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT..... 21

RADIO TRANSCEIVER 21

UNINTERRUPTIBLE POWER SUPPLY..... 23

PEDESTRIAN PUSH-BUTTON 24

STANDARD 880006 TRAFFIC SIGNAL MOUNTING DETAIL 24

VERTICAL TYPE TERMINAL BLOCK AND HOUSING 24

SURFACE MOUNT LANE SEPARATOR SYSTEM 24

CRISP DRIVE 25

DRAINAGE STRUCTURES TYPE 1 (SPECIAL)..... 26

FILLING EXISTING BOX CULVERT 26

PROTECTION OF EXISTING LIGHT TOWERS 26

COOPERATION BETWEEN CONTRACTORS..... 27

SMOOTHNESS SURFACE TESTING OF FINAL SURFACE OVER RUBBLIZED PCC..... 28

RUBBLIZING PCC PAVEMENT 28

PROGRESS SCHEDULE 32

EXISTING SIGN STRUCTURES..... 35

INSURANCE NOTICE 36

IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3..... 36

CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED 36

PERMANENT PROTECTIVE SHIELD SYSTEM..... 36

DECK PATCHING..... 37

POROUS GRANULAR EMBANKMENT (SPECIAL) 37

SUB-BASE GRANULAR MATERIAL 10"..... 37

CONCRETE BARRIER , DOUBLE FACE, 42 INCH HEIGHT 38

GRADING AND SHAPING FORESLOPES 39

EMERGENCY PATCHING 39

RAISED REFLECTIVE PAVEMENT MARKERS..... 39

REVISED 02/21/2007

TEMPORARY RUMBLE STRIPS 40
SALVAGE OF EXISTING BRIDGE BEAMS 41
RETROREFLECTIVE SHEETING AND TRANSLUCENT OVERLAY FILM FOR HIGHWAY SIGNS..... 41
SPECIAL PROVISION FOR TYPE ZZ RETROREFLECTIVE SHEETING AND TRANSLUCENT
OVERLAY FILM FOR HIGHWAY SIGNS:..... 46
REFLECTIVE SHEETING FOR INTERSTATE GUIDE SIGNS..... 49
CLEANING AND PAINTING NEW METAL STRUCTURES 50
DECK SLAB REPAIR..... 56
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 61
TEMPORARY SHEET PILING..... 72
REMOVAL OF EXISTING NON COMPOSITE BRIDGE DECKS..... 73
PIPE UNDERDRAINS FOR STRUCTURES 73
POROUS GRANULAR EMBANKMENT (SPECIAL) 74
BITUMINOUS COATED AGGREGATE SLOPEWALL..... 75
TEMPORARY SUPPORT SYSTEM 76
SUSPENSION OF SLIPFORMED PARAPETS..... 76
ASBESTOS WATERPROOFING MEMBRANE AND ASBESTOS HOT-MIX ASPHALT SURFACE
REMOVAL (BDE)..... 76
CEMENT (BDE) 77
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE) 79
ELECTRICAL SERVICE INSTALLATION - TRAFFIC SIGNALS (BDE) 87
ERRATA FOR THE 2007 STANDARD SPECIFICATIONS (BDE)..... 87
HOT-MIX ASPHALT EQUIPMENT, SPREADING AND FINISHING MACHINE (BDE) 89
IMPACT ATTENUATORS (BDE)..... 89
IMPACT ATTENUATORS, TEMPORARY (BDE)..... 90
MATERIAL TRANSFER DEVICE (BDE) 92
PAYMENTS TO SUBCONTRACTORS (BDE) 93
PLASTIC BLOCKOUTS FOR GUARDRAIL (BDE) 94
POLYUREA PAVEMENT MARKING (BDE)..... 94
PRECAST CONCRETE HANDLING HOLES (BDE)..... 101
PUBLIC CONVENIENCE AND SAFETY (BDE) 102
RAILROAD PROTECTIVE LIABILITY INSURANCE (BDE)..... 103
RECLAIMED ASPHALT PAVEMENT (RAP) (BDE) 104
REFLECTIVE CRACK CONTROL TREATMENT (BDE)..... 108

REVISED 02/21/2007

REINFORCEMENT BARS (BDE) 111
SEEDING (BDE) 113
SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)..... 114
STEEL PLATE BEAM GUARDRAIL (BDE) 115
SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE) 116
SURFACE TESTING OF PAVEMENTS (BDE) 116
TEMPORARY EROSION CONTROL (BDE) 122
TRAFFIC SIGNAL GROUNDING (BDE) 123
TRAINING SPECIAL PROVISIONS 124
UNINTERRUPTABLE POWER SUPPLY (UPS) (BDE) 127
VARIABLY SPACED TINING (BDE)..... 132
THERMOPLASTIC PAVEMENT MARKINGS (BDE) 133
BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID) 134
STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 138
STORM WATER POLLUTION PREVENTION PLAN..... 142
DIGITAL TERRAIN MODELING FOR EARTHWORK CALCULATIONS 150

REVISED 02/21/2007

The Contractor shall provide access for truck mounted drilling equipment, if required, to all areas where he/she requests material investigations.

Borrow excavation furnished by the Contractor that is to be used in the roadway embankment without restrictions must meet the following requirements:

Minimum Standard Dry Density	90 pcf
Maximum Organic Content	10%
Minimum Plasticity Index	10%
Maximum Liquid Limit	50%

Material not meeting these requirements will be assigned varying degrees of restriction up to and including complete rejection depending on the engineering properties of the material. These restrictions if any will be set forth in the proposed borrow material report.

Depending upon the workload at the time, the field sampling and laboratory testing of the proposed borrow may take up to 15 working days.

DEMOLITION PLAN

The Contractor shall submit a detailed Demolition Plan prepared and sealed by an Illinois Licensed Structural Engineer. This Demolition Plan shall be submitted to the Engineer for review and approval prior to starting work on the I57 over West Main Street (Old IL 13) bridges.,

ERECTION PLAN

The Contractor shall submit a detailed Erection Plan prepared and sealed by an Illinois Licensed Structural Engineer. This Erection Plan shall be submitted to the Engineer for review and approval prior to starting work on the I57 over West Main Street (Old IL 13) bridges and the I57 over COERR bridges.

REMOVAL OF UNSTABLE SOILS

The following location was identified as containing material that will not provide a stable platform for paving operations:

I-57	Station 1520+00 to 1528+50	(Additional lanes in existing median)
I-57	Station 1536+50 to 1542+00	(Additional lanes in existing median)

This area shall be undercut 18" to stable material as determined by the Engineer. The excavated soils shall be replaced with aggregate, suitable borrow, or earth excavation. The material placed in the undercuts is considered part of the embankment and shall be placed and compacted in accordance with the requirements of Article 205 of the Standard Specifications.

The excavated undercut material may be used elsewhere in the embankment subject to the following restrictions: 1) the placement location of the undercut soils must be approved by the Engineer, and 2) the moisture content of the undercut material must be reduced by thorough disk to not more than 110% of Standard Proctor Optimum.

Revised 02/21/2007

DIGITAL TERRAIN MODELING FOR EARTHWORK CALCULATIONS

Effective: April 1, 2007

Revise the first and second paragraphs of Article 202.07(b) of the Standard Specifications to read:

“(b) Measured Quantities. Earth and rock excavation will be measured in cubic yards (cubic meters) in their original positions. The volumes will be computed by the method of average end areas using before and after cross sections; or by the method of digital terrain modeling using before and after total station surveys. The volume of any unstable or unsuitable material removed will be measured for payment in cubic yards (cubic meters).

In rock excavation, the Contractor shall strip ledge rock of overburden so that necessary survey shots for measurement may be taken. Vertical measurements shall extend from the surface of the rock to an elevation not more than 6 in. (150 mm) below the subgrade of the proposed pavement structure, as shown on the plans, or to the bottom of the rock where that point is above the subgrade of the proposed pavement structure. Horizontal measurements shall extend not more than 6 in. (150 mm) beyond the slope lines fixed by the Engineer for the work. Boulders and rocks 1/2 cu yd (0.5 cu m) or more in volume will be measured individually and the volume computed from average dimensions taken in three directions.”

Revise the first paragraph of Article 204.07 of the Standard Specifications to read.

“**204.07 Method of Measurement.** Borrow excavation will be measured in cubic yards (cubic meters) in its original position. The volume will be computed by the method of average end areas using before and after cross sections; or by the method of digital terrain modeling using before and after total station surveys.”

Revise the embankment definition of Article 204.07(b) of the Standard Specifications to read:

“Embankment = the volume of fill in its final position computed by the method of average end areas or digital terrain modeling. Both methods will be based upon the existing ground line as shown on the plans, except as noted in (1) and (2) below;”

Added 02/21/2007

Revise Article 207.04 of the Standard Specifications to read:

“207.04 Method of Measurement. This work will be measured for payment in tons (metric tons) according to Article 311.08(b), or in cubic yards (cubic meters) compacted in place and the volume computed by the method of average end areas or digital terrain modeling by total station measurement.”

Revise the second sentence of the second paragraph of Article 211.07(b) of the Standard Specifications to read:

“The volume will be computed by the method of average end areas or digital terrain modeling by total station measurement.”

Added 02/21/2007