



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 17, 2007

SUBJECT: FAP Route 662 (IL 4)
Project ACF-000S(470)
Section (V,T)B-2
Macoupin County
Contract No. 72993
Item No. 130, April 27, 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 pages 1, 3, 4, and 5 of the Schedule of Prices.
2. Revised sheets 1 – 6, 27, and 32 – 50A of the Plans.
3. Revised page ii of the Table of Contents to the Special Provisions.
4. Revised page 47 of the Special Provisions.
5. Added pages 48 - 50 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 script, appearing to read 'Ted B. Walschleger', followed by the initials 'P.E.'.

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

cc: Christine Reed, Region 4, District 6; Roger Driskell; R. E. Anderson;
Estimates; Design & Environment File

TBW:DB:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 72993

State Job # - C-96-515-06
 PPS NBR - 6-74830-0100
 County Name - MACOUPIN - -
 Code - 117 - -
 District - 6 - -
 Section Number - (V,T)B-2

Project Number
 ACF-000S/470/

Route
 FAP 662

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0321100	GEOTEX RETAIN WALL	SQ FT	143.000				
X7200201	WIDTH RESTRICT SIGN	L SUM	1.000				
Z0030250	IMP ATTN TEMP NRD TL3	EACH	4.000				
Z0030350	IMP ATTN REL NRD TL3	EACH	2.000				
Z0073100	TEMP SHORING	EACH	2.000				
20100110	TREE REMOV 6-15	UNIT	138.000				
20100210	TREE REMOV OVER 15	UNIT	134.000				
20200100	EARTH EXCAVATION	CU YD	348.000				
20400800	FURNISHED EXCAV	CU YD	919.000				
* 20700400	POROUS GRAN EMB SPEC	CU YD	227.000				
20800150	TRENCH BACKFILL	CU YD	10.000				
25000200	SEEDING CL 2	ACRE	0.800				
25000400	NITROGEN FERT NUTR	POUND	72.000				
25000500	PHOSPHORUS FERT NUTR	POUND	72.000				
25000600	POTASSIUM FERT NUTR	POUND	72.000				
* REVISED : APRIL 17, 2007							

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40603080	HMA BC IL-19.0 N50	TON	970.000				
40603310	HMA SC "C" N50	TON	215.000				
40800050	INCIDENTAL HMA SURF	TON	25.000				
42001400	BR APPROACH PAVT SPL	SQ YD	245.000				
44000100	PAVEMENT REM	SQ YD	130.000				
44004250	PAVED SHLD REMOVAL	SQ YD	20.000				
44200108	PAVT PATCH T2 9	SQ YD	18.000				
48101200	AGGREGATE SHLDS B	TON	350.000				
48203100	HMA SHOULDERS	TON	155.000				
50100100	REM EXIST STRUCT	EACH	1.000				
50105200	REM EXIST CULVERTS	EACH	1.000				
* 50200100	STRUCTURE EXCAVATION	CU YD	117.000				
50300225	CONC STRUCT	CU YD	52.300				
50300255	CONC SUP-STR	CU YD	144.500				
50300260	BR DECK GROOVING	SQ YD	580.000				
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50300300	PROTECTIVE COAT	SQ YD	431.000				
50401105	F & E P P CON I-BM 54	FOOT	524.500				
* 50800205	REINF BARS, EPOXY CTD	POUND	32,160.000				
50800515	BAR SPLICERS	EACH	355.000				
51201105	FUR MET SHELL PILE 14	FOOT	931.000				
51202305	DRIVING PILES	FOOT	931.000				
51203200	TEST PILE MET SHELLS	EACH	2.000				
51500100	NAME PLATES	EACH	1.000				
542A0229	P CUL CL A 1 24	FOOT	53.000				
54213669	PRC FLAR END SEC 24	EACH	2.000				
54215547	MET END SEC 12	EACH	2.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	113.000				
60103500	PIPE DRAINS CS 12	FOOT	20.000				
60109580	P UNDR FOR STRUCT 4	FOOT	248.000				
60900140	TY B INLET BOX 609006	EACH	2.000				
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63000000	SPBGR TY A	FOOT	950.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	4.000				
63200310	GUARDRAIL REMOV	FOOT	436.000				
67000400	ENGR FIELD OFFICE A	CAL MO	8.000				
67100100	MOBILIZATION	L SUM	1.000				
70100405	TRAF CONT-PROT 701321	EACH	1.000				
70100450	TRAF CONT-PROT 701201	L SUM	1.000				
70100460	TRAF CONT-PROT 701306	L SUM	1.000				
* 70100500	TRAF CONT-PROT 701326	L SUM	1.000				
70106500	TEMP BR TRAF SIGNALS	EACH	1.000				
70300100	SHORT-TERM PAVT MKING	FOOT	256.000				
70300230	TEMP PVT MK LINE 5	FOOT	2,620.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	86.000				
70400100	TEMP CONC BARRIER	FOOT	550.000				
70400200	REL TEMP CONC BARRIER	FOOT	530.000				
* REVISED : APRIL 17, 2007							

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GEOTEXTILE RETAINING WALLS..... 47

Revised 04/17/2007

EXPIRATION/RENEWAL OF 404 PERMITS

Effective: April 2, 2007

General. The Army Corps of Engineers 404 Permit included in this contract expired on March 18, 2007. Until, the Department obtains a new permit, no work subject to a 404 permit shall be started until written notification is given by the Department of the new permit. Furthermore, no long-term lane closures will be allowed during times the work is stopped.

Work subject to the 404 permit includes: cofferdams, channel changes, channel excavation, construction haul roads, work pads, wing dams, riprap placement, bank excavation, and other similar work or activities which modify or otherwise affect waters of the United States, including stream beds, stream banks, and connected wetlands.

The new 404 permits are anticipated to be in place June 11, 2007.

Working Day Contracts. On working day contracts, no working days will be charged when the expired 404 permit affects the controlling item.

Completion Date Contracts. On completion date contracts, the completion date will be extended one day for each day beyond June 11, 2007 that expired 404 permit affects the controlling item.

DEMOLITION PLANS FOR REMOVAL OF EXISTING STRUCTURES

Effective March 26, 2007

Add to the beginning of Article 501.02 of the Standard Specifications.

“For work adjacent to or over an active roadway, railroad or navigable waterway, the Contractor shall submit a demolition plan to the Engineer for approval, detailing the proposed methods of demolition and the amount, location(s) and type(s) of equipment to be used. The demolition plan shall include an assessment of the structure’s condition and an evaluation of the structure’s strength and stability during demolition and shall be sealed by an Illinois Licensed Structural Engineer.”

GEOTEXTILE RETAINING WALLS

Effective: September 19, 2003

Revised: April 10, 2007

Description. This work shall consist of furnishing the materials and the constructing of the geotextile retaining wall to the lines, grades and dimensions shown on the plans and as directed by the Engineer. The geotextile wall shall consist of successive layers of geotextile fabric anchored by placing select fill retained at the face by extending the fabric over a removable form brace and re-embedding the remaining fabric back into the select fill. The materials and construction methods shall comply with this Special Provision and the requirements specified by the geotextile supplier selected by the Contractor.

Revised 04/17/2007

Submittals. The Contractor shall submit calculations demonstrating that the geotextile fabric they propose to use will provide an allowable tensile strength above the minimum value (T_{min}) specified in the contract plans. No work or ordering of materials for the geotextile wall shall be done until the submittal has been approved by the Engineer.

Materials. The Geotextile wall shall conform to the supplier's standards and the following:

- (a) The geotextile shall satisfy the requirements of article 1080.05 and shall have both a minimum Ultraviolet (UV) Stability (percent strength retained according to ASTM D 4355) of 70 percent as well as a minimum permeability of 0.2 ft./min. (0.1 cm/sec). In addition to satisfying these properties, the allowable strength of the fabric shall meet or exceed the (T_{min}) strength specified on the plans. The geotextile allowable strength shall be determined according to the procedure covered in the Design Criteria Section of this specification.

The Contractor shall submit to the Engineer a manufacturer's certification which shall include the manufacturer's name, address, the geotextile product name, polymer type, and the products physical properties. The physical properties submitted shall include weight, grab strength, grab elongation, equivalent opening size, UV stability, permeability, and the allowable strength. The Contractor may be requested by the Engineer to submit a sample of the geotextile for testing by the department.

During shipment and storage, the geotextile shall be kept dry and wrapped in UV resistant material capable of protecting it from damage from sunlight and other elements.

- (b) The select fill, defined as the material placed in the geotextile reinforced volume, shall be according to the following:
 - (1) Select Fill Gradation. Either a coarse aggregate or a fine aggregate may be used. For coarse aggregate, gradations CA 6 thru CA 16 may be used. For fine aggregate, gradations FA 1, FA 2, or FA 20 may be used. Other aggregate gradations may be used provided the maximum aggregate size is 3/4 in. (15 mm), the maximum material passing the #40 (425 μ m) sieve is 60 percent, and the maximum material passing the #200 (75 μ m) sieve is 15 percent.
 - (2) Select Fill Quality. The coarse or fine aggregate shall be Class D quality or better.
 - (3) Select Fill Internal Friction Angle. The effective internal friction angle for the coarse or fine aggregate shall be a minimum 34 degrees according to AASHTO T 236 on samples compacted to 95 percent density according to AASHTO T 99.
- (c) The embankment material behind the select fill shall be according to Section 202 and/or Section 204.

Design Criteria. The Contractor is responsible for selecting a geotextile fabric which will provide an allowable tensile strength larger than the minimum value (T_{min}) specified on the plans. The Contractor shall consider the project specific strength reduction due to long-term creep, chemical and biological degradation, as well as installation damage in their calculations

Added 04/17/2007

to determine the allowable tensile strength of the geotextile selected for use. The determination of the allowable tensile strength of the fabric shall follow the AASHTO Design Specifications for Mechanically Stabilized Earth Wall Design, Allowable Stresses using geosynthetic reinforcement. The design life for this wall shall be 3 years unless otherwise indicated on the plans.

Construction. Prior to wall construction, the foundation soils supporting the wall shall be graded to a level uniform condition and compacted such that it is free from ruts and protruding objects such as rocks or sticks for a width equal to the length of the geotextile reinforcement. Any foundation soils found to be unsuitable shall be removed and replaced, as directed by the Engineer, and shall be paid for separately according to Section 202.

Wall construction shall begin at the lowest level of the wall and each layer shall be placed horizontally as shown in the construction sequence on the plans. The geotextile shall be stretched out in the direction perpendicular to the wall face to ensure that no slack or wrinkles exist in the geotextile prior to select fill placement. The select fill shall be placed or pushed onto the geotextile in a manner that does not distort or distress the fabric. The select fill shall not be dropped onto the fabric from a distance of more than 4.75 ft. (1.5 m) and end dumping select fill from trucks directly onto the fabric shall not be permitted. A minimum of 4 in. (100 mm) of select fill material must be present between the geotextile and any equipment tires or tracks and sudden turning of equipment on the select fill shall be not be permitted to prevent construction damage or distortion to the fabric. Any damage to the fabric shall be repaired by the Contractor as required by the Engineer at no additional cost to the Department.

As select fill material is placed against the form brace, the form brace shall be maintained in position to produce proper fabric face alignment after the form brace is removed. The removable form brace detail shown in the plans is provided as a guide, the Contractor shall be responsible for the actual form brace used to support the fabric face.

Select fill shall be compacted in 6 in. (150 mm) maximum lifts and the minimum required compaction shall be 95 percent of maximum density as determined by AASHTO T99. Sheepsfoot rollers or other rollers with protrusions shall not be used. Compaction in a strip 3 ft. (1 m) wide adjacent to the backside of the panels shall be achieved using a minimum of 3 passes of a light weight mechanical tamper, roller or vibratory system. The embankment placement shall closely follow the erection of each lift of geotextile and select fill. The select fill material should be roughly leveled and compacted prior to placing the next level of geotextile. At the end of each day's operations, the Contractor shall shape the last level of select fill to permit runoff of rainwater away from the wall face.

Where geotextile fabric splices perpendicular to the wall face are required to connect separate pieces of geotextile, the fabric shall be overlapped by at least 4 ft. (1.2 m). No splices are allowed parallel to the wall face as the geotextile must extend continuously from the rear limits of the soil reinforcement, around the face and terminate at the end of the re-embedment length.

At locations where the plans specify a change of wall alignment, the fabric shall be neatly folded over itself to create inside turns or it may be cut perpendicular to the wall face and lapped at the wall face for outside wall turns to ensure no loss of select fill. Fabric layers shown terminating

Added 04/17/2007

against a cut slope, sheet piling, concrete walls or other structures must have at least 3 ft. (1 meter) of additional fabric extending past or placed against the surface, neatly folded back in such a manner to ensure adequate embedment and no loss of select fill.

The thickness of each geotextile reinforcement layer shall be within 3 in. (75 mm) of that shown on the plans. The offset of the wall face bulge shall be within 5 in. (125 mm) of that shown on the plans at each layer, and along the entire length of wall. Failure to meet this tolerance may cause the Engineer to require the Contractor to disassemble and re-erect the affected portions of the wall.

Method of Measurement. Geotextile Retaining Wall will be measured for payment in square feet (square meters) of completed wall face. The area will be calculated from the top limits of the geotextile to the bottom level of fabric reinforcement at each variation along the length of the wall.

Basis of Payment. This work will be paid for at the contract unit price per square foot (square meters) for GEOTEXTILE RETAINING WALL.

Embankment placed outside of the select fill volume will be measured and paid for according to Sections 202 and/or 204 as applicable.

Added 04/17/2007