



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 18, 2010

SUBJECT: FAP Route 310 (IL 255)  
Project ACNHF-0310 (140)  
Section 60-15HB-3  
Madison County  
Contract No. 76706  
Item No. 35, March 5, 2010 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 i and ii of the Table of Contents to the Special Provisions.
2. Revised page 8 of the Special Provisions.
3. Added page 87 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,

Scott E. Stitt, P.E.  
Acting Engineer of Design and Environment

A handwritten signature in black ink, appearing to read "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 8; Mike Renner; R. E. Anderson;  
Estimates

TBW:DB:jc

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“The seed quantities indicated per acre (hectare) for Prairie Grass Seed in Classes 3, 3A, 4, 4A, 6, and 6A in Article 250.07 shall be the amounts of pure, live seed per acre (hectare) for each species listed.”

## **TRENCH BACKFILL**

This work shall consist of furnishing aggregate for backfilling all trenches made in the subgrade in accordance with Section 208 and applicable portions of Section 542 and Section 550 of the Standard Specifications.

If this work is not paid for specifically on the plans, it shall be considered as included in the contract unit price per foot for **PIPE CULVERTS** or **STORM SEWERS** of the size, class, and/or type specified.

## **DYNAMIC PILE MONITORING**

Effective: February 5, 2009

Revised: January 15, 2010

**General.** This work consists of accommodating the dynamic monitoring of a pile at the substructure(s) indicated on the plans, both during their initial driving process and the re-strike procedure conducted after the minimum waiting period specified herein has elapsed. All pile driving operations shall follow Section 512 of the standard specifications unless otherwise indicated in this special provision.

Dynamic monitoring will be accomplished by attaching sensors near the top of the pile which transmit data by cable or wireless connection to a Pile Driving Analyzer (PDA) unit at the site. The sensors, their attachment to the pile, the connection to PDA, and the operation of the PDA will be provided by Dr Jim Long or another PDA operator from the University of Illinois Urbana Champaign (UIUC).

Unless otherwise approved by the Engineer and agreed to by Dr. Long, the pile to be monitored at the specified substructure(s) shall be the test pile. When no test pile is provided at the specified substructure, the first production pile driven at the substructure shall be the dynamically monitored pile.

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**GRID REINFORCED SLOPE:**

Description. This work shall be done as shown in the plans, as directed by the Engineer, and in accordance with Section 205 of the Standard Specifications, and as herein specified.

Biaxial geogrid shall be placed in horizontal layers with a 1.0 foot vertical separation between layers. The geogrid shall have a minimum embedment length of 9.0 feet. The geogrid reinforcement shall conform to the properties listed below.

Property	Test Method	Units	Value
Aperture Size	I.D. Calipered	inch	3/4 - 1 1/2
Open Area	Corps of Engineers CW-02215	%	70 min
Rib Thickness	ASTM D-1777	inch	0.03 nom
Junction Thickness	ASTM D-1777	inch	0.11 nom
Flexural Rigidity Machine Direction	ASTM D-1388	mg-cm	250,000 min
Tensile Modulus	GRI GG1-87	lb/ft	14,000 min - Machine Direction 20,000 min - Cross Machine Direction
Junction Strength	GRI GG2-87	lb/ft	765 min
Junction Efficiency	GRI GG2-87	%	90 min

Alternate geogrid materials will be considered. Such alternate material specifications must be provided to the Engineer on the pre-job date. Alternate material packages must be submitted to the Engineer a minimum of 20 days prior to beginning construction of the grid reinforced slope. Submittal packages must include, as a minimum, the following:

1. A list of 5 comparable projects, in terms of size and applications, in the United States, where the results of the specific results of the alternate geogrids use can be verified after a minimum of 1 year of service life.
2. A sample of the geogrid and certified specification sheets.
3. Recommended installation instructions.

Construction Requirements. The geogrid shall be pulled taut, staked in place and the embankment placed outward toward the toe of the slope to minimize development of slack or distortion in the subgrade reinforcement. Lap splicing shall be done in accordance with manufacturer's recommendations.

Method of Measurement. Measurement of the GRID REINFORCED SLOPE is on a square yard basis. Each layer of grid shall be measured in place. Any embedment beyond that required by the plans and special provisions and not required by the Engineer will not be included in measurement for payment. Payment shall include supply and installation of geogrid and all incidentals.

Basis of Payment. The biaxial geogrid shall be paid for at the contract unit price per square yard, measured in place, for **GRID REINFORCED SLOPE**.

Added 02/18/2010