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Illinois State Toll Highway Authority
SUPPLEMENTAL SPECIFICATION
FOR
SECTION 280 TEMPORARY EROSION CONTROL

Issued January 1, 2007
Revised June 1, 2008

This Supplemental Specification amends and supersedes the provisions of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, adopted January 1, 2007 and shall be construed to be a part thereof, superseding any conflicting provisions thereof applicable to the work under the contract.

Delete Section 280 in its entirety and replace with the following.

280.01 Description. This work shall consist of the erosion and sediment aspects of the project, including but not limited to, construction, maintenance and removal of various erosion and sediment control items, implementation and management of the approved Erosion and Sediment Control Schedules and method of operation weekly co-inspections, inspection following rainfalls, pumping operations as deemed necessary by the Contractor, dewatering of basins, preparation and adherence to the Erosion and Sediment Control Schedule.

280.02 Management of Erosion and Sediment Control. This work shall consist of the management of erosion aspects of the project, including but not limited to, the cost of the Erosion and Sediment Control Manager, weekly co-inspections, inspection following rainfalls, pumping operations as deemed necessary by the Contractor, dewatering basins, preparation and adherence to the Erosion and Sediment Control Schedule and maintenance not included in the various Pay Items. This work also includes repairs to installed erosion and sediment control items which were damaged by parties other than the Contractor, its subcontractors, or their agents or employees, and which the re-establishment of these items is not included elsewhere in this Section.

- (a) **Construction Requirement.** This work is to be performed to assure compliance with the Contract plans and specifications; the latest editions of the Illinois Environmental Protection Agency "Illinois Urban Manual" and the National Pollutant Discharge Elimination System (NPDES) permit No. ILR10. The Contractor will be required to sign the NPDES permit application prior to starting work.
- (b) **Penalties**
 - (1) **Non-Conformance:** The Contractor will be subject to a penalty of \$1000.00 or 0.05% of the awarded contract value (whichever is greatest or as determined by the Engineer), per calendar day for each incident, to be deducted from the next pay estimate due to the Contractor, for each occurrence when the Engineer determines that the Contractor is not in full compliance with these Erosion and Sediment Control Specifications, Contract Plans, or any conditions of the NPDES permit. Non-Conformance may also include any lack of repair, maintenance, implementation of erosion and/or sediment control devices, and failure to participate in jobsite inspections.
 - (2) **Failure to Respond:** The Contractor shall be required to respond within twelve (12) hours to any request from the Engineer for re-establishing compliance with these Erosion and Sediment Control Specifications. The Failure by the Contractor to respond shall be grounds for a penalty of \$1000.00 for each occurrence, to be deducted from the next pay estimate due the Contractor. 'Respond' is interpreted to mean on the job identifying the extent of repairs to be made. 'Occurrence' is interpreted to mean each consecutive 12-hour period, or fraction thereof.

- (3) Failure to Respond to Regulatory Agency Requests: The Contractor shall respond within twelve (12) hours to requests from the Engineer relating to notices from regulatory agencies (e.g., U.S. Environmental Protection Agency, the Illinois Environmental Protection Agency, the local Soil and Water Conservation District, the U.S. Army Corps of Engineers) for matters relating to violation of water resource permits and associated permit conditions. Failure by the Contractor to respond shall be grounds for a penalty of \$25,000.00 for each occurrence to be deducted from the next pay estimate due to the Contractor. 'Respond is interpreted to mean on the job identifying the extent of corrective work required. 'Occurrence is interpreted to mean each consecutive 24-hour period, or fraction thereof, and is applicable to each permit type.
- (c) Erosion and Sediment Control Manager (ESCM). When the Contract will disturb one half ($\frac{1}{2}$) aggregate acre or more of land (excluding existing pavement structure), the Contractor shall assign to the project an employee to serve in the capacity of ESCM, unless otherwise determined by the Tollway. This employee shall be thoroughly experienced in all aspects of erosion and sediment control, and construction. The ESCM shall have the primary responsibility and sufficient authority for the implementation of the approved erosion and sediment control schedules and methods of operation, including both on-site and off-site activities included in the cost of this item.

At least 10 days prior to beginning any work on this project, the name and credentials of the ESCM shall be submitted to the Engineer for approval. Any changes in the ESCM shall require a resubmission of the above. The resubmission shall be timed to ensure that an ESCM is assigned to the project at all times.

- (d) Schedule. Twenty one days after the Notice of Award, the Contractor shall submit for approval to the Tollway, an Erosion and Sediment Control Schedule. The schedule shall indicate the sequence of construction, implementation and maintenance of controls, temporary and permanent stabilization and the various stages of soil disturbance. The schedule shall include the following:
- (1) Clearing of areas necessary for installation of perimeter controls specified in the Contract Documents.
 - (2) Construction of perimeter controls specified in the Contract Documents.
 - (3) Remaining clearing.
 - (4) Roadway grading (including off-site work).
 - (5) If applicable, utility installation and whether storm drains shall be used or blocked after construction.
 - (6) Final grading, landscaping, stabilization
 - (7) Removal of perimeter controls.
- (e) Preconstruction Conference. At the preconstruction conference, the Engineer will discuss the Erosion and Sediment Control Schedule with the Contractor. Subsequently an Erosion Control field meeting will be held prior to any soil disturbance to review the Contractor's Erosion and Sediment Control Schedule.
- (f) Inspection Meetings. Erosion and Sediment Control Meetings will be initiated and conducted by the Engineer, attended by the ESCM and Toll way representatives. The meetings will be held at least five days prior to the start of work, weekly and after every $\frac{1}{2}$ " or more rainfall.

280.03 Erosion and Sediment Control – Excavation. This work shall consist of the clearing, stripping, excavation and satisfactory disposal of all material, including rock, encountered in the construction of new sediment basins, sediment traps, dewatering basins, temporary swales and temporary channel diversions in accordance with these Specifications and the storage volumes as shown on the Plans or as designated by the Engineer.

Additionally, this work includes locating, constructing and maintaining concrete truck washout areas within the Contract Limits, as well as their removal and restoration. At the time of the Preconstruction Conference, the Contractor shall submit for approval the proposed concrete truck washout locations. The locations will be reviewed and discussed at the Preconstruction Conference to reinforce to the Contractor the importance of the sites so that the runoff does not reach the storm sewer or ditch systems. The approved location(s) will be annotated on the Engineer's copy(ies) of the Sediment and Erosion Control Plan. The Contractor and all subcontractors using ready-mix concrete on the jobsite shall be required to wash their empty trucks only at the approved washout locations. Failure to do so shall result in the Contractor receiving a Non-Conformance penalty, in accordance with Article 280.02 (b) (1).

Erosion and Sediment Control-Excavation shall not include excavation of ditches parallel to the roadway through cut sections or at the toe of slopes of embankments, or ditches at the top of cuts. Excavation for all such ditches shall be included in the payment for Earth Excavation, Section 202.

Excavation shall be carried on in such a manner that existing highway facilities, utilities, railroad tracks and other non-highway facilities which are to remain in place will not be damaged.

Upon completion of use of the basins and traps they shall be backfilled as in accordance with the requirements of Section 205 - EMBANKMENT.

- (a) Clearing and Stripping. Before any sediment basin or sediment trap site is excavated for embankment, all trees, shrubs, roots and topsoil shall be removed from the area within the limits of the storage site. Disposal of cleared materials shall be in accordance with Article 202.03.

Clearing and stripping and removal of topsoil at sediment basin and sediment trap sites will not be paid for separately but shall be considered as included in the payment for Erosion and Sediment Control-Excavation.

- (b) Construction Requirements. The Contractor shall notify the Engineer at least three days in advance of the start of excavating operations to permit the completion of accurate measurements for volume determinations. Any material excavated before such measurements have been taken will not be paid for.

All excavated material not used or needed for other purposes shall be disposed of as specified in Article 202.03.

280.04 Erosion and Sediment Control – Cleanout. This work shall consist of excavation required for the removal of accumulated sediment, vegetation and debris from traps, basins, the area adjacent to silt fences, super silt fences, rectangular inlet protection, filter fabric inlet protection, ditch checks and any other clean out excavation of accumulated sediment.

- (a) Construction Requirements. Vegetation, sediment and minor debris build-ups shall be removed and the capacity of the control devices shall be re-established at the direction of the Engineer when the capacity of the basins and traps has been reduced by approximately 50%. Silt fences shall be inspected after every storm event. Silt build up against silt fences shall be removed when bulges develop in the fence or when silt reaches 50 percent of fence height.