



- Notes:
- Contractor shall design and detail Soil Nails in accordance with Special Provision.
 - Excavation, cutting timber piles, any temporary soil retention necessary and controlled low strength material is included in the cost of Soil Nails.
 - Soil Nails shall be installed prior to removing sections of the timber piles.
 - A verification test shall be conducted on one sacrificial nail, in accordance with the Special Provision.
 - The four proposed Soil Nails shall be pre-loaded and locked at the design load of 35 kips, in accordance with the Special Provision.
 - All structural shapes, plates and anchorage devices shall be hot dipped galvanized according to AASHTO M11.
 - See Sheet No. 353A thru. 353G for existing retaining wall plans. The existing plans, however, may not show all modifications that have been made to the structure over the years. The completeness of these plans is not guaranteed and no responsibility is assumed by IDOT for their accuracy.
 - Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 - The Contractor shall take precautions to not to damage existing retaining wall during construction. The Contractor is responsible for the structural integrity and stability of the existing retaining wall. Any damage to the existing retaining wall shall be repaired by the contractor at no additional cost.
 - Soil Nails for the existing wall shall be installed prior to construction of Pier 9 drilled shaft. The Contractor shall not expose existing retaining wall footing until the installation of the Soil Nails is complete.
 - Prior to cutting any existing piles, the Contractor shall layout proposed Pier 9 drilled shaft in the field and determine existing retaining wall piles impacted by drilled shaft construction. The Contractor shall immediately notify the Engineer if more than six existing piles are impacted by the proposed Pier 9 drilled shaft construction.
 - The Contractor shall field verify location of existing utilities prior to soil nail installation. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
 - Temporary soil retention system, if required, shall be as per special provision for Temporary Soil Retention System, except that it shall not be measured separately but shall be included in the cost of Soil Nails.

BILL OF MATERIAL

Item	Unit	Quantity
Soil Nails	Each	4

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USER NAME =	DESIGNED - DDB	REVISED -
PLOT SCALE = 0.166667' / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - LLV	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REINFORCEMENT OF EXISTING RETAINING WALL
I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-189 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE. 70	SECTION 82-1-B-2	COUNTY ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 316
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		