

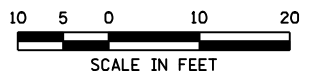
**CROSS SECTION VIEW**  
SCALE: HOR. 1" = 10'  
VERT. 1" = 5'

STATION	OUTER ROW (RIVER SIDE)	INNER ROW (CL SIDE)
809+95 - 810+25	589	590
810+25 - 810+65	588	589
810+65 - 810+80	587	588

NOTE: TOP ELEVATIONS TO BE ADJUSTED IN ACCORDANCE WITH THE PROPOSED AGGREGATE SUBBASE ELEVATION.

THE TOP OF THE PIN PILES SHALL BE A MINIMUM OF 12 INCHES BELOW THE BOTTOM OF THE PROPOSED PAVEMENT.

SUBSURFACE MATERIAL CONSTRUCTION CONSIDERATIONS	
ROCK FILL	GRADATION RANGE: ±0.1" TO ±36"; UNEVENLY DISTRIBUTED; ±3 FT NOMINAL MAXIMUM DIMENSION. ROCK FILL COMPOSED OF PRIMARILY LIMESTONE, SOME BROKEN CONCRETE MAY BE ENCOUNTERED.
CLAY	FAILURE PLANE. LOW STRENGTH / HIGH MOISTURE.
SHALE	WEATHERED; 19% < RD < 92%; 4 < N < 100+. AUGURED USING STANDARD DRILLING EQUIPMENT DURING INVESTIGATION. BOULDERS ARE LIKELY TO BE ENCOUNTERED.
GROUNDWATER	RAPID SEEPAGE INTO EXCAVATION SHOULD BE EXPECTED.



NOTES: FIELD ADJUSTMENTS SHALL BE MADE AS NEEDED TO MAINTAIN AN 18 INCH SPACING BETWEEN CL OF GUARDRAIL AND CL OF ADJACENT GROUDED PIN PILE ROWS.

CROSS SECTION SHOWN DEPICTS GENERALIZED SOIL CONDITIONS. ACTUAL CONDITIONS MAY VARY CONSIDERABLY.

OTHER GROUDED PIN PILE DIAMETERS AND SPACINGS ARE ACCEPTABLE, AS PROVIDED IN THE SPECIAL PROVISIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GROUDED PIN PILE DETAIL**  
FAP 510 (IL 96)  
SECTION 120 (I-6)  
HANCOCK COUNTY

SCALE: VERT. 1" = 5'  
HORIZ. 1" = 10'

DATE: 4/21/2005

DRAWN BY: SSM  
CHECKED BY: AGM

Plot Date: Aug-14-2009 10:24:48AM  
Plot Time: 10:24:48 AM  
Plotted By: mcdonovj  
Pen Table: \$PEN\$  
Filename: \$FILE\$

BASED ON GEOTECHNICAL REPORT DATED MAY 2004  
(PREPARED BY SCI ENGINEERING FOR IDOT)  
AND PLAN PROVIDED BY IDOT DATED OCTOBER 1, 2003

\$\$SUBS