



SHORING LOCATION NO.	BEGIN STATION AND OFFSET	END STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 464+48 +/- -L-45.0 FT. (RT.)	STA. 464+64 +/- -L-45.0 FT. RT.	5.4 FT.	7.0 FT.	ROADWAY
NO. 2	STA. 504+52 +/- -L-25.0 FT. LT.	STA. 505+02 +/- -L-25.0 FT. LT.	7.8 FT.	11.3 FT.	ROADWAY
NO. 3	STA. 536+64 +/- -L-42.0 FT. LT.	STA. 536+88 +/- -L-42.0 FT. LT.	8.4 FT.	8.9 FT.	ROADWAY
NO. 4	STA. 540+42 +/- -L-40.0 FT. LT.	STA. 540+67 +/- -L-40.0 FT. LT.	5.5 FT.	5.8 FT.	ROADWAY
NO. 5	STA. 564+64 +/- -L-73.0 FT. RT.	STA. 564+82 +/- -L-73.0 FT. RT.	13.4 FT.	13.7 FT.	ROADWAY
NO. 6	STA. 587+14 +/- -L-45.0 FT. LT.	STA. 587+33 +/- -L-45.0 FT. LT.	7.7 FT.	8.1 FT.	ROADWAY
NO. 7	STA. 610+98 +/- -L-117.0 FT. RT.	STA. 611+23 +/- -L-117.0 FT. RT.	6.5 FT.	7.1 FT.	ROADWAY
NO. 8	STA. 618+92 +/- -L-81.0 FT. RT.	STA. 619+27 +/- -L-81.0 FT. RT.	7.5 FT.	7.9 FT.	ROADWAY
NO. 9	STA. 624+06 +/- -L-49.0 FT. RT.	STA. 624+26 +/- -L-49.0 FT. RT.	4.9 FT.	5.6 FT.	ROADWAY
NO. 10	STA. 650+72 +/- -L-39.0 FT. RT.	STA. 650+96 +/- -L-39.0 FT. RT.	6.6 FT.	7.2 FT.	ROADWAY
NO. 11	STA. 660+67 +/- -L-36.0 FT. RT.	STA. 661+35 +/- -L-36.0 FT. RT.	8.9 FT.	14.5 FT.	STRUCTURES
NO. 12	STA. 22+61 +/- -Y32-40.0 FT. LT.	STA. 22+81 +/- -Y32-40.0 FT. LT.	7.2 FT.	7.6 FT.	ROADWAY

TEMPORARY SHORING NOTES

- WHERE THE EXISTING HEADWALLS CAN NOT BE USED TEMPORARY SHORING AND APPROVED BY THE ENGINEER, USE A 1.5:1 (H:V) OR FLATTER TEMPORARY CUT SLOPE INSTEAD OF TEMPORARY SHORING AS SHOWN IN THE PLANS FOR LOCATIONS 6, 7, 8, 9, AND 10.
- FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.
- BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION FOR THE LOCATIONS LISTED IN THE TABLE, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.
- WHERE THE STANDARD TEMPORARY SHORING DETAILS DO NOT APPLY, DESIGN TEMPORARY SHORING FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 LB/CF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (c) = 0 LB/SF
 GROUNDWATER ELEVATION VARIES, BUT IS ASSUMED TO EXIST AT AN ELEVATION EQUIVALENT TO THE EXISTING CULVERT FLOOR ELEVATION
- NO OR LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THE SUBSURFACE INFORMATION THAT IS AVAILABLE CAN BE FOUND IN THE ROADWAY INVENTORY PACKAGE.
- DRIVEN PILING FOR TEMPORARY SHORING LOCATION NOS. 10, 11, 12 AND MAY NOT PENETRATE BELOW ELEVATION 2965 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.
- DO NOT USE A TEMPORARY WALL FOR THE TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE.
- AT THE CONTRACTOR'S OPTION AND AS APPLICABLE, USE STANDARD TEMPORARY SHORING FOR THE TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.
- IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

10/30/2014
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 User:scodts

APPROVED: <i>Stane C. Clark</i> DATE: 10/30/2014 		TEMPORARY SHORING NOTES
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