

## PROSPECTIVE BIDDER'S INQUIRIES

CSJ: 6332-26-001

Bid Opening Date: 5/7/2019

No.	Question	Date Received	Response	Response Date
1	Do the studded plates, hex nuts and washers for the soil nails need to be galvanized or bare?	4/25/2019	The contractor has the option of providing either bare steel or galvanized steel for these items.	4/26/2019
2	For proof and verification purposes, what will be the kips requirement for the 20-foot hollow core bars?	4/25/2019	For proof tests: 20' bar is to have 42 kips For verification tests: 20' bar is to have 31 kips	4/26/2019
3	There is a note in this plan set regarding form liners and adjusting the thickness of the closure pour to account for the form liner called out elsewhere in the plans. However, I do not see a form liner or texture called out anywhere. Can you please clarify this?	5/3/2019	Plan sheet 26, note 2 states to "Use Scott System #177 random stone form liner or approved equal for all exposed surfaces."	5/3/2019
4	Please clarify the callout to use #8 Gr 75 solid bars as test anchors, instead of the anchors that are being used on the wall (hollow bar)? It wouldn't make sense to callout solid bar at a wall where hollow bar is specifically called out	5/3/2019	The note beneath the tables on sheet 29 says that "Soil nail anchors shall be #8 Gr. 75 Dywidag threadbar or <b>equal hollow core</b> ." This is a typical note for placement of test anchors. Due to the scope of work on this project, hollow core anchors should be used for the test nails.	5/6/2019
5	Please verify the info on the plans regarding soil nail testing on sheet 29? The soil nail test anchors schedule and the proof test schedule don't seem relevant to this project. The nail lengths that are called out in the schedule do not match and are well beyond the lengths of the nails incorporated into the actual wall.	5/3/2019	The charts are generalized in case site conditions dictate different nail sizes. Testing requirements for project specific lengths will be provided below in question #6 response.	5/6/2019

Document Revised on: 5/6/2019

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6	<p>Please confirm/ clarify the Soil Nail Testing details on sheet #29 of the above referenced TXDOT project. Specifically: Testing for 32mm Hollow Core Soil Nails – Information to confirm/ clarify from sheet 29:</p> <ul style="list-style-type: none"> <li>Pre-Production (verification) tests; quantities, loads, lengths and size/ type of nails?</li> <li>Proof Tests; quantities, loads and lengths?</li> </ul>	5/3/2019	<p>For site specific proof and test anchors, the minimum required loading will be evaluated per the values shown on these two charts:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Proof Testing</th> </tr> <tr> <th style="text-align: center;">NO. OF NAILS</th> <th style="text-align: center;">NAIL LENGTH</th> <th style="text-align: center;">TEST LOAD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">16'</td> <td style="text-align: center;">25 kips</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">18'</td> <td style="text-align: center;">26 kips</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">20'</td> <td style="text-align: center;">31 kips</td> </tr> </tbody> </table> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Soil Nail Test Anchors</th> </tr> <tr> <th style="text-align: center;">NO. TEST ANCHORS</th> <th style="text-align: center;">LENGTH</th> <th style="text-align: center;">MINIMUM DEVELOP- MENT</th> <th style="text-align: center;">MINIMUM STEEL GRADE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">16'</td> <td style="text-align: center;">34 kips</td> <td style="text-align: center;">75</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">18'</td> <td style="text-align: center;">38 kips</td> <td style="text-align: center;">75</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">20'</td> <td style="text-align: center;">42 kips</td> <td style="text-align: center;">75</td> </tr> </tbody> </table>	Proof Testing			NO. OF NAILS	NAIL LENGTH	TEST LOAD	2	16'	25 kips	5	18'	26 kips	2	20'	31 kips	Soil Nail Test Anchors				NO. TEST ANCHORS	LENGTH	MINIMUM DEVELOP- MENT	MINIMUM STEEL GRADE	2	16'	34 kips	75	2	18'	38 kips	75	2	20'	42 kips	75	5/6/2019
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