

Prebid question:

#7 Is there a designated haul route for this project. If so, what are the bridge weight restrictions for this route?

Monroe County Engineer’s response:

The contractor may haul in from both ends of Township Road 307, however there are some restrictions due to posted bridges, as noted below:

The existing structure TR307-0.75 (to be replaced) is restricted to 10 tons – shown below on the map as the red circle “5634768”

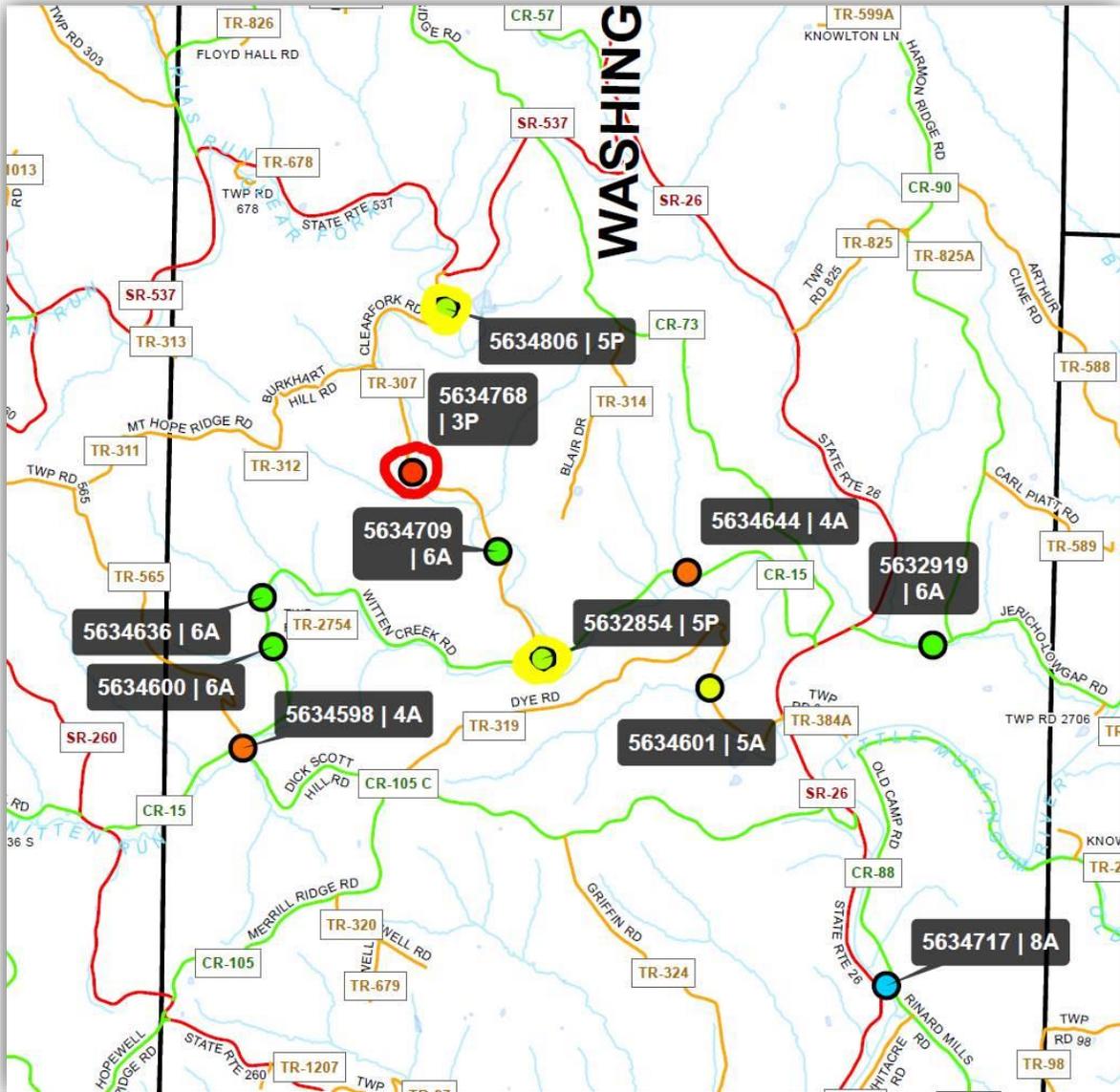
North of the existing structure on TR307, is another posted bridge, restricted to Emergency Vehicle loads as shown in the screen shot below.

OHIO LEGAL VEHICLES				DESIGN VEHICLE		
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	Design Rating - RF	
					Operating	Inventory
2F1	15	1.088	15.00	HS20 Loading	0.718	0.408
3F1	23	1.281	23.00			
4F1	27	1.555	27.00			
5C1	40	1.281	40.00			
SPECIALIZED HAULING VEHICLES (SHV)				Overall Legal Posting Rating: 65%		
SU4	27	1.281	27.00	BRIDGE POSTING RECOMMENDED BY RATING: EV Posting Recommended		
SU5	31	1.281	31.00	Sign Posting Recommendation: <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> EMERGENCY VEHICLE WEIGHT LIMIT 2 AXLE 19 T 3 AXLE 30 T </div>		
SU6	34.75	1.281	34.75			
SU7	38.75	1.281	38.75			
EMERGENCY VEHICLES (EV)						
Check box if this is an NBI bridge <input checked="" type="checkbox"/>						
EV2	28.75	0.650	18.69			
EV3	43	0.702	30.19			

South of the existing structure, and just to the east of the TR307/CR15 intersection is another posted bridge, restricted to 24 tons for anything with 4 axles or over. 2 and 3 axle vehicles can carry legal load, as shown below.

OHIO LEGAL VEHICLES				DESIGN VEHICLE																							
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	Design Rating - Tons																						
					Operating	Inventory																					
2F1	15	1.600	15.00	H520 Loading	24.00 tons	20.00 tons																					
3F1	23	1.043	23.00																								
4F1	27	0.889	24.00																								
5C1	40	0.600	24.00																								
SPECIALIZED HAULING VEHICLES (SHV)				Overall Legal Posting Rating 55%																							
SU4	27	0.889	24.00	BRIDGE POSTING RECOMMENDED BY RATING LOAD POSTING IS RECOMMENDED																							
SU5	31	0.775	24.03	Sign Posting Recommendation:	<table border="1"> <thead> <tr> <th colspan="3">WEIGHT LIMIT SINGLE UNIT</th> </tr> </thead> <tbody> <tr> <td>2 AXLE</td> <td>15 T</td> <td></td> </tr> <tr> <td>3 AXLE</td> <td>23 T</td> <td></td> </tr> <tr> <td>4 AXLE</td> <td>24 T</td> <td></td> </tr> <tr> <td>5 AXLE</td> <td>24 T</td> <td></td> </tr> <tr> <td>6+ AXLE</td> <td>24 T</td> <td></td> </tr> <tr> <td></td> <td>24 T</td> <td></td> </tr> </tbody> </table>		WEIGHT LIMIT SINGLE UNIT			2 AXLE	15 T		3 AXLE	23 T		4 AXLE	24 T		5 AXLE	24 T		6+ AXLE	24 T			24 T	
WEIGHT LIMIT SINGLE UNIT																											
2 AXLE	15 T																										
3 AXLE	23 T																										
4 AXLE	24 T																										
5 AXLE	24 T																										
6+ AXLE	24 T																										
	24 T																										
SU6	34.75	0.691	24.01																								
SU7	38.75	0.620	24.03																								
EMERGENCY VEHICLES (EV)																											
Check box if this is an NBI bridge <input checked="" type="checkbox"/>																											
EV2	28.75	0.835	24.01																								
EV3	43	0.559	24.04																								

The contractor's best options to avoid any restrictions on County or Township Roads, would be haul in the majority of their equipment and loads from State Route 260, turn right/east onto County Road 15, take County Road 15 to the South end of Township Road 307 and then north on TR307 to the site. Loads may come into the site from State Route 537, South onto Township 307, as well, but lighter loads may need to be used to meet the posting of the bridge as noted above. Adjacent Township Roads are not to be used, as we cannot guarantee condition or load capacity.



March 28, 2023