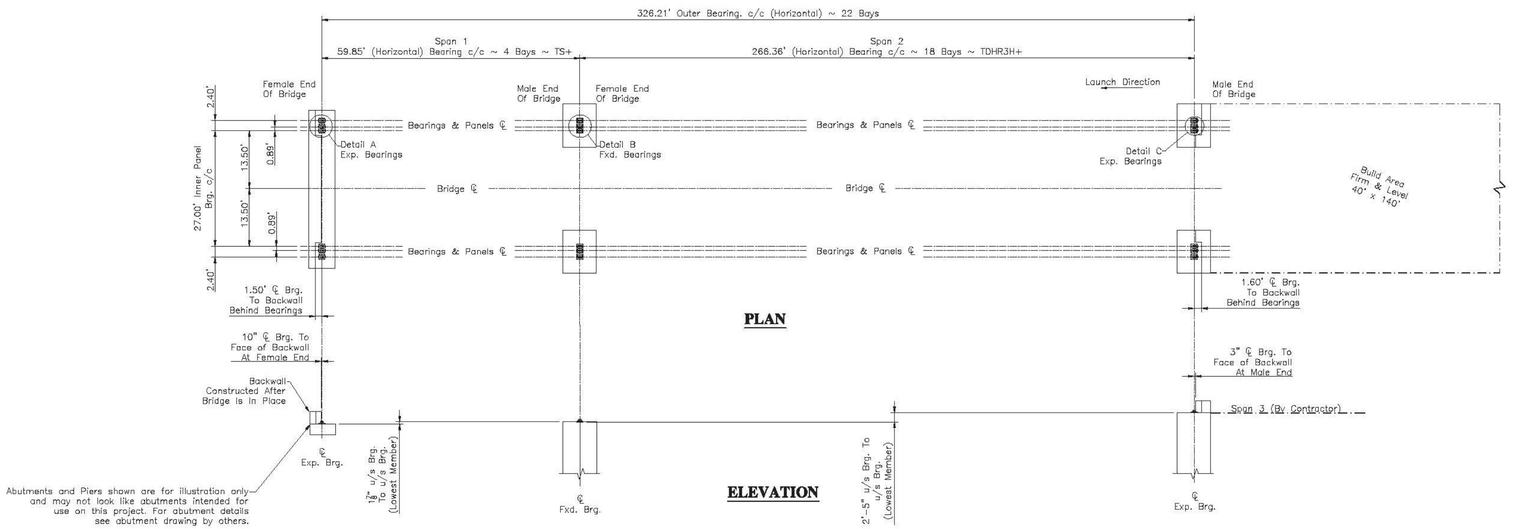


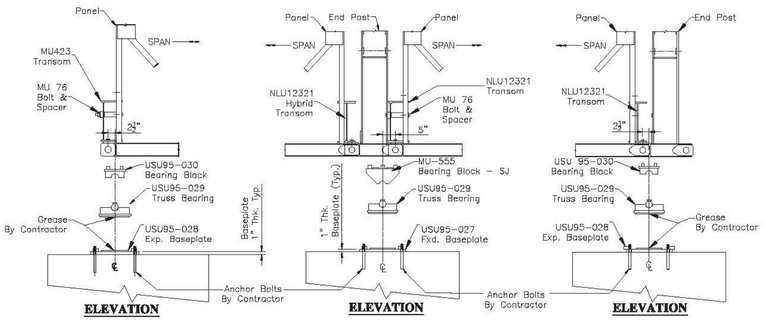
CORNER REACTIONS AT ABUTMENT		
	Max.	Min.
Dead	30	30
Live	85	75
Total	115	115

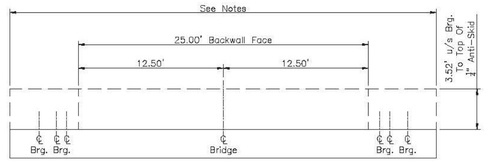
CORNER REACTIONS AT PIER AT SPAN 1 AND SPAN 2		
	Max.	Min.
Dead	225	225
Live	165	145
Total	390	370

CORNER REACTIONS AT PIER AT SPAN 2 AND SPAN 3		
	Max.	Min.
Dead	195	195
Live	135	120
Total	330	315

Reactions in Kips. 1 Kip = 1000lbs.
Live Reactions (max. and min.) are concurrent. Difference is due to eccentricity of loading.
Exposed area of bridge (for calculating wind loads):
Span #1: (Single Storey Construction) = is 2.83 sq. ft./ft.
Span #2: (Double Storey Construction) = 5.15 sq. ft./ft.

NOTES:
1. Live load is HS–20.
2. Abutments and anchor bolts by contractor.
3. Due to the nature of modular bridging, dimensional tolerances can accumulate. Mabey Bridge recommends the following:
   a.)Construct backwalls after bridge is in place.
   b.)Cast 3" dia. voids at anchor bolt locations. Grout in anchor bolts after bridge is in position.
4. No drilling, welding, or alterations of any kind to Mabey–supplied equipment without written permission of Mabey Bridge and Shore, Inc. Engineering Dept. Equipment must be used in the manner intended, according to the supplied drawing(s) and calculations.
5. All expansion bearings shall be greased at installation.
6. All bolts shall be snug tight.





Details, Part Section, Abutment Layout And Notes For 2 Span 22 Bay Mabey Universal 24.10' Roadwidth 23.71' Roadwidth HS–20 Live Loading TS+ & TDHR3H+ Trusses

Client: Harrison & Burrowes			
Job Name: Richmond, Vt Temporary Bridge			Location: Richmond, VT
Drawn By: D.P.	Date: 05/12/11		Dwg. No.: BR0063036SUB02
Checked By: JNR	Date: 05/25/11		Order no.
Revision		Sheet: 2 of 2	Scale: Do Not Scale

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