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**GENERAL NOTES**

**DESIGN CRITERIA:**

1. AASHTO GUIDE DESIGN SPECIFICATION FOR BRIDGE TEMPORARY WORKS, 2008 EDITION.
2. AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION.
3. VTRANS STRUCTURES DESIGN MANUAL, 5TH EDITION, 2010.

**MATERIALS:**

1. CONCRETE 28 DAY CYLINDER STRENGTH,  $f'c = 3500$  PSI.
2. ALL REINFORCING SHALL BE ASTM A615 GRADE 60.
3. ALL PLATES AND BEAM SECTIONS SHALL BE ASTM A36, UNLESS NOTED OTHERWISE. HSS SECTIONS SHALL BE ASTM A500, GRADE B.
4. ALL BOLTS SHALL BE A325,  $\frac{7}{8}$ "  $\emptyset$  UNLESS NOTED OTHERWISE. THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANE
5. ALL HIGH STRENGTH RODS SHALL HAVE A MINIMUM ULTIMATE STRENGTH,  $f_u$ , OF 100 KSI.
6. ALL PT BARS SHALL HAVE A MINIMUM ULTIMATE CAPACITY,  $f_{pu}$ , OF 150 KSI.
7. ALL HARDWOOD TIMBER SHIMS SHALL HAVE A MINIMUM COMPRESSION CAPACITY PERPENDICULAR TO GRAIN OF 600 PSI.
8. TOP CHORD LAUNCHING BEAMS SHALL BE CONSTRUCTED OF A NEW AND CLEAN W18x97.
9. HILMAN ROLLERS: FOR TYPE 1 USE "30-WBNT" WITH "4R-1" TYPE R AND "2U-2.5" TYPE RU ACCU-ROLLER  
FOR TYPE 2 USE "125-WBOT" WITH "4C-3.5" TYPE C ACCU-ROLLER

**FABRICATION:**

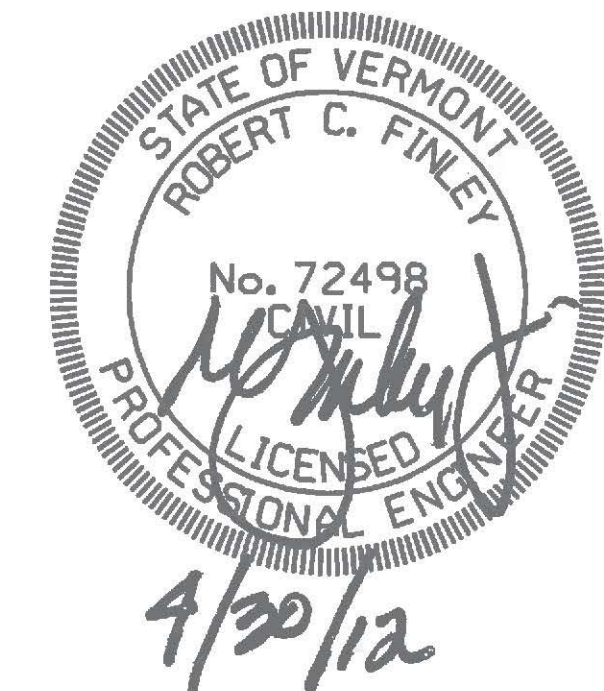
1. FABRICATION SHALL BE IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION.
2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1J, 22ND EDITION, 2010.
3. USE E70XX ELECTRODES FOR ALL WELDS.
4. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.

**DESIGN LOADING:**

1. WEIGHT OF CONCRETE: 150 PCF
2. WEIGHT OF STEEL MEMBERS: 490 PCF
3. CONSTRUCTION LIVE LOAD:  
10 PSF QUICK DECK WALKWAY PLATFORMS.
4. IMPACT DURING LAUNCHING = 10X
5. DESIGN ROLLER FRICTION RESISTANCE COEFFICIENT = 0.05 (ANTICIPATED = 0.02)
6. DESIGN WIND SPEED = 100 MPH

**NOTE:**

1. PROVIDE  $\frac{1}{8}$ " NEOPRENE PAD BETWEEN ALL EXISTING MEMBERS AND TEMPORARY MEMBERS AT ALL CONNECTIONS.



Revision	Drawn By	Date	Description	Revision	Drawn By	Date	Description	Name	Date	Project	Title	Sheet No.	
1	JLB	04/24/12	Changed Sheet Title.					Drawn By:	BAB	01/12	1589 Metropolitan Blvd. Tallahassee, FL 32308 850-894-1600 Fax: 850-894-1614	RICHMOND TRUSS WIDENING STATE OF VERMONT AGENCY OF TRANSPORTATION CHITTENDEN COUNTY U.S. ROUTE 2 BRIDGE NO. 24	01
			Removed Mabey Support Truss Sheet.					Designed By:	NMC	01/12			INDEX AND GENERAL NOTES
								Approved By:	JMP	01/12			