

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 3. Bolts $\frac{3}{4}$ " ϕ , holes $\frac{5}{16}$ " ϕ , unless otherwise noted.
- All structural steel and the rail post anchor assemblies shall be hot dipped galvanized according to AASHTO M-111 (ASTM A-123) Grade 85 minimum.
- All bolts and fasteners shall be hot dipped galvanized according to AASHTO M-232 (ASTM A-153) Class C with a minimum zinc coating weight of 2.0 oz/sq. ft.
- Anchor bolts shall be ASTM F1554 all thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554.
- Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place.
- In lieu of existing panel layout, the Contractor may adjust dimensions with the following restrictions:
 - Maximum Rail Post Spacing = 5'-10"
 - Maximum Floor Beam Spacing = 1'-2"
 - Minimum Edge Beam length = 10'-0"
 - Edge Beam butt joints are not allowed at Rail Posts.
 - Sections supported by two different steel superstructures shall only be clipped to the beams which support the majority of the panel.
 - Expansion gaps shall be placed at the closest panel joint to the piers.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bolts may be used in lieu of the threaded rods.
- Concrete Sealer shall be applied to the top exposed surfaces of the South Abutment concrete slab.
- The Contractor shall provide and install all necessary timber shims to construct a level deck surface.
- Timber deck planks shall be placed with the grain such that cupping will not cause water to sit on a plank.
- The Contractor shall field verify all conditions at the site prior to the start of construction.
- All structural timber shall be treated to conform to Section 507 of the Standard Specifications.
- All hardware required for timber construction, including nuts, washers, lag screws, threaded rods and miscellaneous fasteners shall be stainless steel or hot-dipped galvanized and shall conform to Section 507 of the Standard Specifications, unless noted otherwise.
- It shall be the responsibility of the Contractor to verify all dimensions and elevations of the existing structure in the field prior to construction and ordering materials. Do not scale dimensions from the drawings for construction process.
- If, during the performance of the work, the Contractor finds a conflict or discrepancy related to existing details and dimensions of the existing structure, the Contractor shall report such discrepancies to the Engineer in writing at once and before proceeding with the work affected thereby. The Contractor shall obtain written interpretation or clarification of such discrepancies.
- All lumber dimensions given are nominal dimensions. The minimum surface areas of timbers shall be as follows:

NOMINAL SIZE	DRESSED
2 x 6	1 1/2" x 5 1/2"
2 x 8	1 1/2" x 7 1/2"
2 x 12	1 1/2" x 11 1/4"
3 x 12	2 1/2" x 11 1/4"
6 x 6	5 1/2" x 5 1/2"
8 x 8	7 1/2" x 7 1/2"

DESIGNED - S.M.S.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - S.M.S.

FASTENER SCHEDULE

Location	Type	Size x Length	Number Required
3x12 Deck Planks to 8x8 Floor Beams	lag screws with standard washers	3/8" ϕ x 5"	2 per plank at Each Floor Beam
2x8 Top Rails to 6x6 Rail Posts	wood screws	No. 12 x 4"	2 per Rail Post
2x12 Fascia Boards to 8x8 Floor Beams	wood screws	No. 12 x 4"	2 per Floor Beam

FASTENER NOTES

- The lag screw heads shall be countersunk so that the tops will be flush with surface of the deck planks. Recesses formed for countersinking shall be just large enough to admit the washers.
- All wood screws shall be self-sinking flat head deck screws.
- The cost of these wood screws and lag screws was already included in the contract plan quantity for Hardware.
- All hardware required for timber construction, including nuts, washers, lag screws, threaded rods and miscellaneous fasteners shall be stainless steel or hot-dipped galvanized and shall conform to Section 507 of the Standard Specifications unless noted otherwise.

Revised 4-13-10

Treated Timber


PANEL	S. ABUT.	SPAN 1	SPAN 2	SPAN 3	SPAN 4	N. ABUT.	TOTALS (FBM)
N/A	2,244	0	0	0	0	1,414	3,658
1	0	3,397	0	0	0	0	3,397
2	0	15,337	0	0	0	0	15,337
3	0	0	1,332	0	0	0	1,332
4	0	0	7,978	9,973	5,014	0	22,965
5	0	0	0	0	1,698	0	1,698
TOTALS (FBM)	2,244	18,735	9,310	9,973	6,712	1,414	48,388

All sizes are Nominal - Lumber shall be full surfaced.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Aggregate Surface Course, Type B	Ton	25		25
Concrete Superstructures	Cu. Yd.	20.2		20.2
Reinforcement Bars, Epoxy Coated	Pound	2,760		2,760
Treated Timber	FBM			48,388
Removal of Existing Timber Material, Location 1	L. Sum	1		1
Concrete Removal	Cu. Yd.	1.3		1.3
Rail Anchor Assemblies	Each	18		18
Hardware	Pounds			5,020
Concrete Sealer	Sq. Ft.	715		715

**GENERAL NOTES
SVT BRIDGE NO. 14
STRUCTURE NO 084-8014**

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 548-3400	SHEET NO. 2	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13 SHEETS		05-00713-00-BT	SANGAMON	173	95
PROJECT NUMBER: 12 84 0000	DATE: 01/11/10	S.V.T. OVER SPRING CREEK		CONTRACT NO. 93522		
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		