

PRELIMINARY INFORMATION SHEET (BRIDGE)

INDEX OF SHEETS		STANDARDS LIST		FINAL HYDRAULIC REPORT			
PLAN SHEETS				HYDROLOGIC DATA		PROPOSED STRUCTURE	
1	TITLE	G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS)	Date: March 2014		STRUCTURE TYPE: Single span cast-in-place concrete slab bridge	
2	PRELIMINARY INFORMATION SHEET	G-1D	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)	DRAINAGE AREA: 1.6 sq. mi.		CLEAR SPAN(NORMAL TO STREAM): 27.7'	
3-4	TYPICAL SECTIONS	S-367A	BRIDGE RAILING, GALVANIZED HDSB/FASCIA MOUNTED/STEEL TUBING	CHARACTER OF TERRAIN: Steep, mountainous, mostly forested		VERTICAL CLEARANCE ABOVE STREAMBED: ~10'	
5	PROJECT NOTES	S-367B	GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM	STREAM CHARACTERISTICS: Sinuous, alluvial		WATERWAY OF FULL OPENING: 350 sq. ft.	
6-7	QUANTITY SHEETS	T-1	TRAFFIC CONTROL GENERAL NOTES	NATURE OF STREAMBED: Sand, gravel, cobbles		WATER SURFACE ELEVATIONS AT:	
8	BRIDGE QUANTITY SHEET	T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	PEAK FLOW DATA		Q2.33 = 1783.8' VELOCITY= 5.6 fps	
9	CONVENTIONAL SYMBOLOLOGY LEGEND	T-28	CONSTRUCTION SIGN DETAILS	Q 2.33 = 100 cfs Q 50 = 340 cfs		Q10 = 1784.6' " 7.0 fps	
10-11	TIE SHEET	T-30	CONSTRUCTION SIGN DETAILS	Q 10 = 225 cfs Q 100 = 390 cfs		Q25 = 1784.9' " 7.4 fps	
12	LAYOUT			Q 25 = 290 cfs Q 500 = 550 cfs		Q50 = 1785.1' " 7.8 fps	
13	PROFILE			DATE OF FLOOD OF RECORD: Unknown		Q100 = 1785.3' " 8.2 fps	
14	UTILITY LAYOUT			ESTIMATED DISCHARGE: Unknown		IS THE ROADWAY OVERTOPPED BELOW Q100: No	
15	BORING LAYOUT			WATER SURFACE ELEV.: Unknown		FREQUENCY: N/A	
16-17	BORING LOGS			NATURAL STREAM VELOCITY: @ Q25 = 7.9 fps		RELIEF ELEVATION: 1795.7'	
18	PLAN AND ELEVATION			ICE CONDITIONS: Moderate		DISCHARGE OVER ROAD @Q100: N/A	
19	DECK TYPICAL			DEBRIS: Moderate		AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 1793.4'	
20	DECK REINFORCING PLAN			DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? Yes		VERTICAL CLEARANCE: @ Q25 = 8.5'	
21	ABUTMENT #1 PLAN, ELEVATIONS & DETAILS			IS ORDINARY RISE RAPID? Yes		SCOUR: Contraction scour 2.5' up to Q500	
22	ABUTMENT #2 PLAN, ELEVATION & DETAILS			IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? No		REQUIRED CHANNEL PROTECTION: Stone Fill Type II @ inlet, Type IV @ outlet	
23	ABUTMENT #1 FOOTING & SUBFOOTING PLAN			IF YES, DESCRIBE:		PERMIT INFORMATION	
24	ABUTMENT #2 FOOTING PLAN & DETAILS			WATERSHED STORAGE: <1% HEADWATERS: UNIFORM: X IMMEDIATELY ABOVE SITE:		AVERAGE DAILY FLOW: 3 cfs DEPTH OR ELEVATION:	
25	WINGWALLS			EXISTING STRUCTURE INFORMATION		ORDINARY LOW WATER: 2 cfs ~0.5'	
26	REINFORCING STEEL SCHEDULE			STRUCTURE TYPE: Laid-up stone box		ORDINARY HIGH WATER: 45 cfs ~2.0'	
27-32	TH14 CROSS SECTIONS			YEAR BUILT: Unknown		TEMPORARY BRIDGE REQUIREMENTS	
33	BANKING & MATERIAL TRANSITION			CLEAR SPAN(NORMAL TO STREAM): ~4.7'		STRUCTURE TYPE: None required. Road will be closed during construction	
34-36	CHANNEL CROSS SECTIONS			VERTICAL CLEARANCE ABOVE STREAMBED: ~7.5'		CLEAR SPAN (NORMAL TO STREAM):	
37	EPSC NARRATIVE			WATERWAY OF FULL OPENING: 36.5 sq. ft.		VERTICAL CLEARANCE ABOVE STREAMBED:	
38	EPSC EXISTING SITE PLAN			DISPOSITION OF STRUCTURE: Remove and replace		WATERWAY AREA OF FULL OPENING:	
39	EPSC CONSTRUCTION SITE PLAN			TYPE OF MATERIAL UNDER SUBSTRUCTURE: See boring logs		ADDITIONAL INFORMATION	
40	EPSC FINAL SITE PLAN			WATER SURFACE ELEVATIONS AT:			
41-42	EPSC DETAILS			Q2.33 = 1781.5' VELOCITY = 11.6 fps			
43	R.O.W. LAYOUT SHEET			Q10 = 1786.4' " 13.0 fps			
44	R.O.W. DETAIL SHEET			Q25 = 1787.9' " 14.1 fps			
				Q50 = 1790.1' " 15.0 fps			
				Q100 = 1791.2' " 15.6 fps			
				LONG TERM STREAMBED CHANGES: None noted			
				IS THE ROADWAY OVERTOPPED BELOW Q100: No			
				FREQUENCY: N/A			
				RELIEF ELEVATION: 1794.1'			
				DISCHARGE OVER ROAD @Q100: N/A			
				UPSTREAM STRUCTURE			
				TOWN: Stamford DISTANCE: 4000'			
				HIGHWAY #: TH 13 STRUCTURE #: 12			
				CLEAR SPAN: 7.5' CLEAR HEIGHT: 7.5'			
				YEAR BUILT: Unknown FULL WATERWAY: 44.2 sq. ft.			
				STRUCTURE TYPE: Boiler pipe			
				DOWNSTREAM STRUCTURE			
				TOWN: Stamford DISTANCE: 0'			
				HIGHWAY #: STRUCTURE #:			
				CLEAR SPAN: CLEAR HEIGHT:			
				YEAR BUILT: FULL WATERWAY:			
				STRUCTURE TYPE: Confluence with Cowan Brook			
				LRFR LOAD RATING FACTORS			
				LOADING LEVELS			
				TRUCK			
				H-20 HL-93 3S2 6 AXLE 3A STR. 4A STR. 5A SEM			
				TONNAGE 20 36 36 66 30 34.5 38			
				INVENTORY 2.25 1.2			
				POSTING			
				OPERATING 2.91 1.56 2.67 1.35 1.91 1.7 2.53			
				COMMENTS:			
				AS BUILT "REBAR" DETAIL			
				LEVEL I LEVEL II LEVEL III			
				TYPE: TYPE: TYPE:			
				GRADE: GRADE: GRADE:			
				YEAR 20 year ESAL for flexible pavement from 2005 to 2025 : <50,000			
				2005			
				2025			
				TRAFFIC DATA 40 year ESAL for flexible pavement from 2005 to 2045 : <50,000			
				Design Speed: 25 mph			
				ADT DHV % D % T ADTT			
				PROJECT NAME: STAMFORD			
				PROJECT NUMBER: STP 1441(29)			
				FILE NAME: s96j226pi.dgn PLOT DATE: 12/30/2015			
				PROJECT LEADER: C. W. CARLSON DRAWN BY: D. KARABEGOVIC			
				DESIGNED BY: H. SALLS CHECKED BY: H. SALLS			
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