21	EPSC EXISTING CONDITIONS
22	EPSC DURING CONSTRUCTION
23	EPSC FINAL CONDITIONS
24 - 26	EPSC DETAILS #1 - #3
27 - 30	MAINLINE SECTIONS #1 - #4
31 - 32	CHANNEL SECTIONS #1 - #2

STRUCTURAL DETAIL SHEETS

SD-501.00	CONCRETE DETAILS AND NOTES
SD-502.00	CONCRETE DETAILS AND NOTES

DEBRIS: Moderate

DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAI

IS ORDINARY RISE RAPID? No

IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONI

IF YES, DESCRIBE:

WATERSHED STORAGE: < 1%

HEADWATERS:

UNIFORM:

IMMEDIATELY ABOV

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: Steel beam with concrete deck

YEAR BUILT: 1960, reconstructed in 1976

CLEAR SPAN(NORMAL TO STREAM): 21'

VERTICAL CLEARANCE ABOVE STREAMBED: 7'

WATERWAY OF FULL OPENING: 140 sq. ft.

DISPOSITION OF STRUCTURE: Remove and replace

TYPE OF MATERIAL UNDER SUBSTRUCTURE: See b

WATER SURFACE ELEVATIONS AT:

Q2.33 =	997.0'	VELOCITY =	7.8 fp
Q10 =	998.2'	"	14.0 f
Q25 =	999.2'	"	12.4 f
Q50 =	999.9'	"	12.5 f
Q100 =	1000.4'	"	12.6 f

LONG TERM STREAMBED CHANGES: None noted

IS THE ROADWAY OVERTOPPED BELOW Q100: Yes

FREQUENCY: Below Q10

RELIEF ELEVATION: 997.5'

DISCHARGE OVER ROAD @Q100: 40 cfs

UPSTREAM STRUCTURE

TOWN: N/A DIST

HIGHWAY # : STRU

CLEAR SPAN: CLEA

YEAR BUILT: FULL

STRUCTURE TYPE:

DOWNSTREAM STRUCTURE

TOWN: Mendon DIST

HIGHWAY # : TH 7 STRU

CLEAR SPAN: 27' CLEA

YEAR BUILT: 1981 FULL

STRUCTURE TYPE: Concrete Slab

LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK				
	H-20	HL-93	3S2	6 AXLE	
TONNAGE	**20**	**36**	**36**	**66**	
INVENTORY	**1.66**	**1.19**			
POSTING					
OPERATING	**2.15**	**1.54**	**2.59**	**1.33**	
COMMENTS:					

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2012	200	25	52	7	5
2032	120	30	52	8.9	10

20 year ESAL for flexible pavement from 2012 to 2032 : 25000

40 year ESAL for flexible pavement from 2012 to 2052 : 55000

Design Speed : 35 mph

PILE DRIVING AND TESTING REQUIREM

1. NOMINAL PILE DRIVING CAPACITY
2. PILE TEST RESISTANCE FACTOR
3. MAXIMUM PILE TIP ELEVATION
4. 0