

PRELIMINARY INFORMATION SHEET

INDEX OF SHEETS

1.	TITLE SHEET
2.	PRELIMINARY INFORMATION SHEET
3.-4.	PROJECT TYPICAL SECTIONS
5.	ROADWAY PAVING DETAILS
6.-7.	TE SHEET
8.-11.	LAYOUT PLAN
12.-14.	TH 10 PROFILE
15.	CLEMENT ROAD PROFILE
16.-19.	RESOURCE LAYOUT PLAN
20.-21.	EPSC NARRATIVE
22.-24.	EPSC DETAILS
25.-28.	EPSC EXISTING CONDITIONS SITE PLAN
29.	EPSC TEMPORARY CONSTRUCTION SITE PLAN
30.-33.	EPSC CONSTRUCTION SITE PLAN
34.-37.	EPSC FINAL CONDITIONS SITE PLAN
38.	BORING INFORMATION SHEET
39.-43.	BORING LOG SHEET
44.	PLAN AND ELEVATION
45.-51.	TH 10 CROSS SECTIONS
52.-56.	CHANNEL CROSS SECTIONS

LIST OF STANDARDS

A-76	03-03-2003
B-1	06-01-1994
B-5	06-01-1994
B-11	06-01-1994
B-12	06-01-1994
B-71	07-08-2005
C-2B	10-14-2005
C-3A	03-10-2008
C-3B	03-10-2008
C-10	02-11-2008
D-13	01-03-2000
D-15	06-01-1994
D-20	03-03-2003
D-22	03-10-1995
E-100	01-02-2004
E-100A	01-02-2004
E-101	05-30-2003
E-102	06-30-2003
E-102A	05-01-2004
E-106	03-01-2004
E-107	06-30-2003
E-108	06-08-2009
E-110	08-08-1995
E-111	03-11-1997
E-119	03-01-2004
E-121	08-08-1995
E-131B	05-30-2003
E-134	08-08-1995
E-164	06-08-2009
E-191	02-01-1999
E-193	08-18-1995
G-1	01-03-2000
G-1D	01-03-2000
SB-R6-82	01-06-1995

SCOPE OF WORK

- INSTALLATION OF CONSTRUCTION APPROACH SIGNING, WORK ZONE TRAFFIC MANAGEMENT PLAN AND EROSION CONTROL FEATURES. RELOCATION OF OVERHEAD UTILITIES, AS REQUIRED, AND ESTABLISHMENT OF CONSTRUCTION STAGING AREAS.
- INSTALLATION OF TEMPORARY CAUSEWAY, COFFERDAM AND PILE FOUNDATION. CONSTRUCTION OF PROPOSED CAST-IN-PLACE CONCRETE WALL TYPE PIER.
- INSTALLATION OF PILE FOUNDATIONS AND CONSTRUCTION OF PROPOSED CAST-IN-PLACE CONCRETE STUB ABUTMENTS.
- INSTALLATION OF PREFABRICATED TRUSSES, FLOOR SYSTEM AND BRIDGE SUPPORTED UTILITIES.
- INSTALLATION OF EXODERMIC CONCRETE DECK, CANTILEVERED SIDEWALK, APPROACH SLABS AND RAIL SYSTEMS.
- CONSTRUCTION OF PROPOSED EMBANKMENTS AND RELATED OFFLINE APPROACH WORK.
- SHIFT TRAFFIC TO NEW ALIGNMENT AND CONSTRUCT REMAINDER OF APPROACHES UNDER TEMPORARY, PARTIAL CLOSURES.
- REMOVE TEMPORARY BRIDGE FROM EXISTING STRUCTURE AND STOCKPILE. REMOVE EXISTING SUPERSTRUCTURE AND MODIFY CONCRETE PORTION OF EXISTING ABUTMENTS. REMOVE EXISTING PIER BELOW MUDLINE.
- COMPLETE FINAL GRADING, REMOVE EROSION CONTROL FEATURES, CLEAN UP AND DEMOLBLIZE FROM SITE.

FINAL HYDRAULIC REPORT

HYDROLOGIC DATA

Date: _____
 DRAINAGE AREA: _____
 CHARACTER OF TERRAIN: _____
 STREAM CHARACTERISTICS: _____
 NATURE OF STREAMBED: _____

PEAK FLOW DATA

Q 2.33 = _____ Q 50 = _____
 Q 10 = _____ Q 100 = _____
 Q 25 = _____ Q 500 = _____

DATE OF FLOOD OF RECORD: _____
 ESTIMATED DISCHARGE: _____
 WATER SURFACE ELEV.: _____

NATURAL STREAM VELOCITY: _____
 ICE CONDITIONS: _____
 DEBRIS: _____
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEV. RAPIDLY? _____
 IS ORDINARY RISE RAPID? _____
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? _____
 IF YES, DESCRIBE: _____

WATERSHED STORAGE: _____ HEADWATERS: _____
 UNIFORM: _____
 IMMEDIATELY ABOVE SITE: _____

EXISTING STRUCTURE INFORMATION

STRUCTURE TYPE: STEEL WARREN PONY TRUSS
 YEAR BUILT: 1928
 CLEAR SPAN(NORMAL TO STREAM): 71.5' (SPAN 1) 91.3' (SPAN 2)
 VERTICAL CLEARANCE ABOVE STREAMBED: 15.5'
 WATERWAY OF FULL OPENING: _____
 DISPOSITION OF STRUCTURE: DEMOLISH, REPLACE OFFLINE
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: STRATIFIED SOIL DEPOSITS

WATER SURFACE ELEVATIONS AT:
 Q2.33 = _____ VELOCITY = _____
 Q10 = _____
 Q25 = _____
 Q50 = _____
 Q100 = _____

LONG TERM STREAMBED CHANGES: _____

IS THE ROADWAY OVERTOPPED BELOW Q100: _____
 FREQUENCY: _____
 RELIEF ELEVATION: _____
 DISCHARGE OVER ROAD @Q100: _____

UPSTREAM STRUCTURE

TOWN: _____ DISTANCE: _____
 HIGHWAY #: _____ STRUCTURE #: _____
 CLEAR SPAN: _____ CLEAR HEIGHT: _____
 YEAR BUILT: _____ FULL WATERWAY: _____
 STRUCTURE TYPE: _____

DOWNSTREAM STRUCTURE

TOWN: _____ DISTANCE: _____
 HIGHWAY #: _____ STRUCTURE #: _____
 CLEAR SPAN: _____ CLEAR HEIGHT: _____
 YEAR BUILT: _____ FULL WATERWAY: _____
 STRUCTURE TYPE: _____

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2012	2100	260	61	0.9	130
2032	2200	270	61	1.2	190

20 year ESAL for flexible pavement from 2012 to 2032 : 440.00
 40 year ESAL for flexible pavement from 2012 to 2052 : 1,020.00
 Design Speed : 30 mph

PROPOSED STRUCTURE

STRUCTURE TYPE: PREFABRICATED STEEL PONY TRUSS
 CLEAR SPAN(NORMAL TO STREAM): 88.75' (SPAN 1) 108.75' (SPAN 2)
 VERTICAL CLEARANCE ABOVE STREAMBED: 16.7'
 WATERWAY OF FULL OPENING: _____

WATER SURFACE ELEVATIONS AT:
 Q2.33 = _____ VELOCITY = _____
 Q10 = _____
 Q25 = _____
 Q50 = _____
 Q100 = _____

IS THE ROADWAY OVERTOPPED BELOW Q100: NO
 FREQUENCY: _____
 RELIEF ELEVATION: _____
 DISCHARGE OVER ROAD @Q100: _____

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: 522
 VERTICAL CLEARANCE: _____

SCOUR: _____

REQUIRED CHANNEL PROTECTION: STONE FILL, TYPE III

PERMIT INFORMATION

AVERAGE DAILY FLOW: _____ DEPTH OR ELEVATION: _____
 ORDINARY LOW WATER: _____
 ORDINARY HIGH WATER: _____

TEMPORARY BRIDGE REQUIREMENTS

STRUCTURE TYPE: N/A
 CLEAR SPAN (NORMAL TO STREAM): N/A
 VERTICAL CLEARANCE ABOVE STREAMBED: N/A
 WATERWAY AREA OF FULL OPENING: N/A

ADDITIONAL INFORMATION

DESIGN CRITERIA

- DESIGN LIVE LOAD AASHTO HL-93
- DESIGN SPAN 91' (SPAN 1) 111' (SPAN 2)
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL N/A
ON LEDGE N/A
- ALLOWABLE LOAD FOR PILING 580 KIPS
TYPE HP14X89
ESTIMATED LENGTH 60.5' (ABUT. NO. 1), 51.5' (PIER. NO. 1), 52.0' (ABUT. NO. 2)
- STRUCTURAL STEEL AASHTO M270MM270 GRADE 50 PAINTED
- REINFORCING STEEL GRADE 60
- CONCRETE, HIGH PERFORMANCE CLASS A fc: 4000 psi
CONCRETE, HIGH PERFORMANCE CLASS B fc: 3500 psi
- DESIGN SOIL UNIT WEIGHT 140 pcf
- DESIGN LOAD FOR SPREAD FOOTINGS ON SOIL N/A

TRAFFIC MAINTENANCE

- IS TRAFFIC TO BE MAINTAINED? YES
IF YES, ON EXISTING STRUCTURE? YES
OR ON TEMPORARY BRIDGE? N/A
ONE OR TWO-WAY TRAVEL? N/A
- TRAFFIC CONTROL SIGNALS REQUIRED? CURRENTLY IN PLACE
- ARE SIDEWALKS REQUIRED? NO
IF SO, ON WHAT SIDE? N/A

PROJECT NAME: **RUTLAND CITY**
 PROJECT NUMBER: **BHF 3000 (19)**

FILE NAME: **Z08J096_PRELIM_INFO.XLS** PLOT DATE: **5/4/2011**
 PROJECT LEADER: **M. SARGENT** DRAWN BY: **D. D'AMATO**
 DESIGNED BY: **D. D'AMATO** CHECKED BY: **P. PERKINS**
PRELIMINARY INFORMATION SHEET ROW SHEET 14 OF 20

