

PRELIMINARY INFORMATION SHEET

INDEX OF SHEETS

1. Title Sheet
2. Index of Sheets
- 3-4. Quantity Sheets
5. General Notes
6. Plan
7. Profile, Ties and Details
8. Traffic Sign Summary
9. Bridge Construction Staging
10. Traffic Control Plan
11. Traffic Control Notes
12. General Plan and Elevation
13. Erosion Control Narrative
14. Existing Conditions Site Plan
15. Erosion and Sediment Control Plan
16. Final Conditions Site Plan
17. Erosion Control Details
18. Typical Sections
19. Steel Details
20. Bearing Details(1)
21. Bearing Details(2)
22. Deck Reinforcing Plan(1)
23. Deck Reinforcing plan(2)
24. Superstructure Details
25. End Diaphragm Details
26. Scupper Details
27. Expansion Joint Plan
28. Expansion Joint Details
29. Downspout details
30. Approach Slab Details
31. Concrete Repair Notes and Details
32. Bridge Railing - NETC 2 Rail
33. Guardrail Approach Section - NETC 2 Rail
34. Reinforcing Steel Schedule
- 35-40. Cross Section Sheets
- 41-45. Existing Montgomery Bridge No. 19 Plans (Information Sheets)

LIST OF STANDARDS

C-1	Curbs, Bituminous Concrete Sidewalks, Granite Slope Edging, Vertical Granite Curb Precast Reinforced Concrete Curb, Cast in Place Concrete Curb, Bituminous Concrete Curb, Treated Timber	1/3/2000
E-100	Construction Approach Signs	1/2/2004
E-101	Construction Sign Details	5/30/2003
E-102A	Construction Sign Details	5/1/2004
E-102	Construction Sign Details	6/30/2003
E-106	Traffic Control Miscellaneous Details	3/1/2004
E-107A	Breakaway Barricade Details	8/8/1995
E-107	Delineation, Barricades and Detours for Construction Areas	6/30/2003
E-108	Construction Zone Longitudinal Drop Offs	8/18/1995
E-121	Standard sign placement Conventional Road	8/8/1995
E-140	Regulatory Sign Details	8/30/1996
E-150	Warning Sign Details	5/1/2004
E-151	Warning Sign Details	5/1/2004
E-152	Warning Sign Details	5/1/2004
E-155	Warning Sign Details	5/1/2004
E-160	Flanged Channel Steel Sign Post	5/20/1999
E-164	Square Steel Sign Post	5/20/1999
E-171A	Traffic Control Signals - General Notes and Details	8/9/1995
E-171B	Traffic Control Signals - Misc. Details	8/9/1995
E-171C	Traffic Control Signals - Cantilever Mounting Details	8/9/1995
E-172	Vehicle Detector Loop Details	8/9/1995
E-175	Power Drop Stanchions	11/17/1993
E-193	Pavement Marking Details	8/18/1995
G-1D	Steel Beam Guardrail Approach End Terminal, Steel Beam Guardrail Trailing End Terminal, Anchor for Steel Beam Guardrail, Steel Beam Median Barrier	1/3/2000
G-1	Steel Beam Guardrail with Steel Posts, Steel Beam Guardrail with Wood Posts	1/3/2000
G-18	Precast Concrete Temporary Traffic Barrier	6/1/1994

EXISTING STRUCTURE

STRUCTURE TYPE: THREE SIMPLE SPANS - STEEL BEAM
YEAR BUILT: 1953

CLEAR SPAN (NORMAL TO STREAM): 185'-0" +/-

VERTICAL CLEARANCE ABOVE STREAMBED: 14'-0" +/-

DISPOSITION OF STRUCTURE: REMOVE BRIDGE RAIL AND CONCRETE DECK

TYPE OF MATERIAL UNDER SUBSTRUCTURE: ABUT. #1 & PIER #1, FOUNDED ON PILES - GRAVEL AND CLAY
ABUT. #2 & PIER #2 - LEDGE

PROPOSED BRIDGE REHABILITATION WILL NOT AFFECT HYDRAULICS AND NO STUDY HAS BEEN DONE FOR THIS PROJECT.

LOAD FACTOR - LOAD RATING (TONS)

LOADING LEVELS	TRUCK						
	H	HS	SS2	6 AXLE	3A. STR.	4A. STR.	5A. SEMI
INVENTORY	27	48					
POSTED	37	68	86		56	61	80
OPERATING		81	103	116	69	72	

COMMENTS:

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2000	1200	170			

20 year ESAL for flexible pavement from to :
40 year ESAL for flexible pavement from to :
Design Speed : 40 mph

DESIGN CRITERIA

1. DESIGN LIVE LOAD AASHTO	HS-25
2. DESIGN SPAN	49 - 89 - 49
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL	N/A
ON LEDGE	N/A
4. ALLOWABLE LOAD FOR PILING	N/A
TYPE	N/A
ESTIMATED LENGTH	N/A
5. STRUCTURAL STEEL AASHTO M270MM270 GRADE	**SEE NOTE**
6. REINFORCNG STEEL GRADE	60
7. CONCRETE, HIGH PERFORMANCE CLASS A fc:	4000 psi
CONCRETE, HIGH PERFORMANCE CLASS B fc:	3500 psi
** NOTE: EXISTING ASTM, A7-49T PAINTED, Fy= 33ksi, NEW M270, GRADE 50 PAINTED	
8. DESIGN SOIL UNIT WEIGHT	N/A
9. DESIGN LOAD FOR SPREAD FOOTINGS ON SOIL	N/A

TRAFFIC MAINTENANCE

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

LOAD RATING EQUATION:

$$\text{STRENGTH RF} = \frac{0.95 F_y \times S_{LL+I} - M_{DL} \times \frac{S_{LL+I}}{S_{DL}} - M_{SSL} \times \frac{S_{LL+I}}{S_{SSL}}}{A \times M_{LL+I}} \quad \text{SERVICEABILITY RF} = \frac{1.67 M_{LL+I}}{S_{LL+I}}$$

PROJECT NAME: MONTGOMERY

PROJECT NUMBER: BHF 0283(8)S

FILE NAME: PW98c316/sc316pi.xls

PLOT DATE: 11/14/2005

PROJECT MANAGER: R. WHITCOMB

DRAWN BY: J. GILMORE

DESIGNED BY: J. HOWE

CHECKED BY: C. MEUNIER

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SHEET 2 OF 45