

Bridge Data Collection

Bridge Data were assembled from information in MoDOT and City of Jefferson files. Locations of bridges and condition information were verified in the field. Bridge clearances were not verified with surveys but appear to be correct from visual checks.

Long Box culverts under Miller St. and the Tri-level were inspected with waders which revealed better information. The pedestrian underpass at Monroe was not traversed but appears to be in good condition when viewed from the ends.

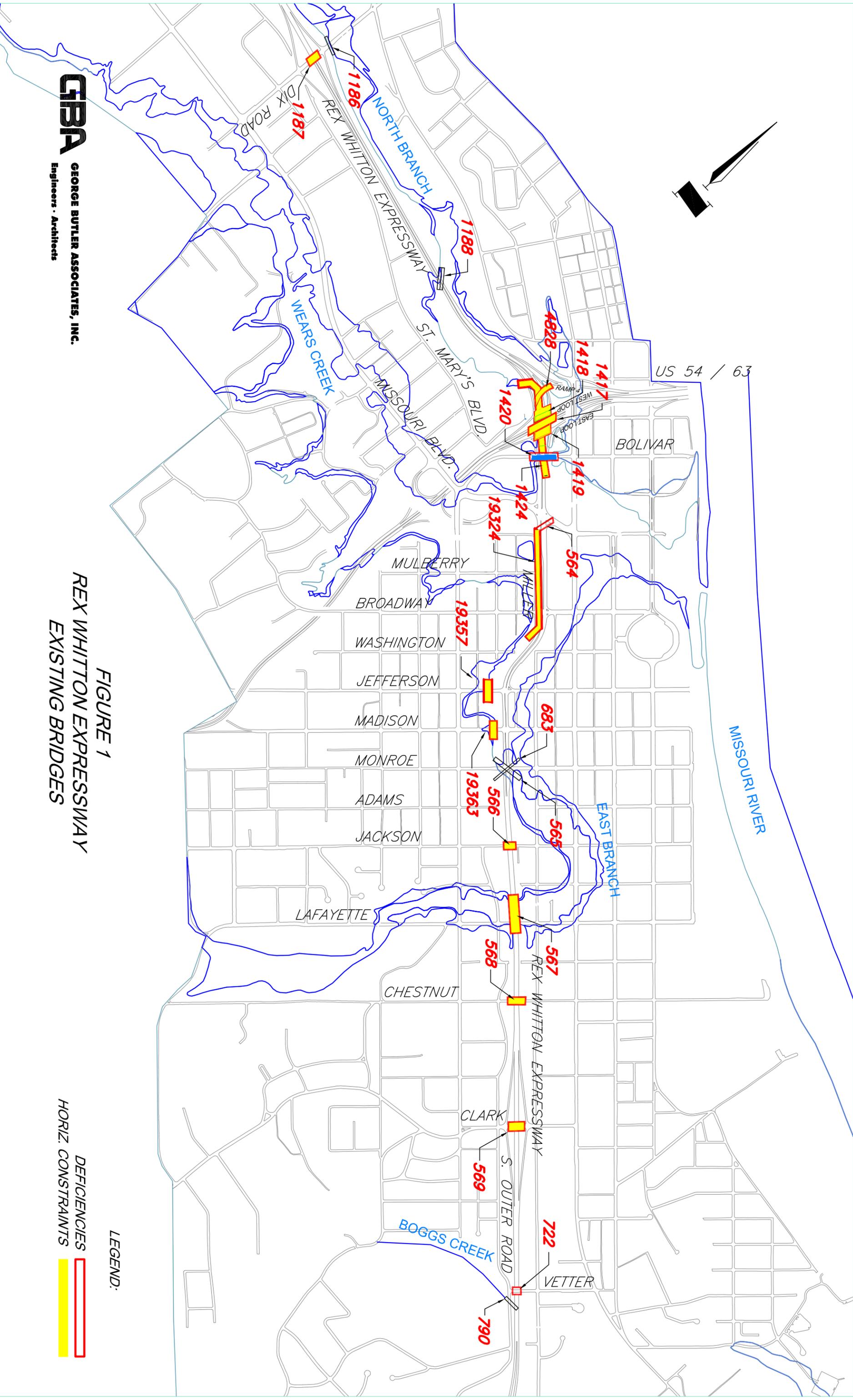
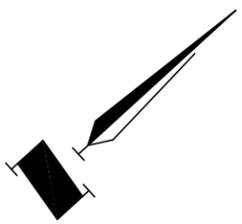


FIGURE 1
REX WHITTON EXPRESSWAY
EXISTING BRIDGES

LEGEND:
DEFICIENCIES
HORIZ. CONSTRAINTS

**Rex Whitton Expressway
Existing Bridges
2002,3 Data**

Bridge Number	A0564R1	A0565	A0566	A0567	A0568	A0569	A0683	A0722	A0790	A1133	A1187	A1186	A1188	T A1417R	T A1418	T A1419	A1420	T A1424R	T A4828	City 19363 2180035	City 19357 2180023	City 19324 2180016	
Feature On Bridge or Over Box	50 E&W	50 E&W & Monroe E. Br. Wears Ck.	Jackson	50 E&W E. Br. & Lafayette	Chestnut	Clark	50 E&W & Monroe	50 E&W	50 E&W & S. Outer Rd.	50 E&W	Dix	Dix	50 E&W	54 E&W	West Loop	East Loop	Bolivar	50 / 54 / 63 Int'chge. N. Br. Wears Ck.	Ramp 50/54	Madison	Jefferson	Miller	
Feature Crossed	Wears Ck.	Wears Ck.	50 E&W	Wears Ck.	50 E&W	50 E&W	Pedestrian	Vetter	Boggs Ck.	N. Br. Wears Ck.	50 E&W	N. Br. Wears Ck.	N. Br. Wears Ck.	50 E&W	50 E&W	50 E&W	50 E&W	N. Br. Wears Ck.	50 E&W & Ramp 4 N. Br. Wears	E. Br. Wears Ck.	E. Br. Wears Ck.	E. Br. Wears Ck.	
Length / Maximum Span (ft.)	216.5 / 25.8	173.9 / 11.1	195 / 112.8	425 / 82	145 / 80	145 / 80	112 / 8	109.5 / 41	202 / 9	252 / 13	139 / 80	221.5 / 13	200.3 / 13	354.8 / 69	170.8 / 49	170.8 / 49	288.5 / 44	1516.6 / 11	281 / 67	100 / 15	90 / 15	1300 / 27	
Lanes / Rdwy. Width (ft.)	6 / ??	6 / 72	2 / 27.8 3.9 sdwks.	4 / 57	2 / 27.8 3.9 sdwks.	4 / 48.8 3.9 sdwks.	6 / 72	4 / 57	4 / 57	4 / 57	4 / 57	4 / 57	4 / 40	2 / 41	2 / 29	2 / 29	2 / 30 3.9 sdwks.	Various	2 / 28.8	3 / 48	3 / 40	2 / 20	
Skew Degrees	36.5	50	4	0 / 4.33	0	0	50	0	50	53	10.7	20	53	28.9	25	25	0	curves	curve	0	0	100	
Type	Double Box 2-26x18	Triple Box 3-11x8.5	Conc Frame Bridge	Cont. Steel Beam Bridge	Conc Frame Bridge	Conc Frame Bridge	Single Box	C. C. Slab Bridge	Double Box 2-9x6	Double Box 2-13x10	Conc Frame Bridge	Double Box 2-13x10	Double Box 2-13x10	C. C. Slab Bridge	Double Box 2-11x12	Cont. Steel Beam Bridge	Double Box 2-15x10	Double Box 2-15x10	Single Box 27x10				
Year Built	1959 / 84 / 88	1959	1959	1959	1959	1960		1959	1960	1964	1959	1960	1964	1964 / 91	1964	1964	1964	1964 / 89	1991	1992	1988	1973?	
Substructure Condition Rating			6	7	6	6		7						7	6		6		7				
Deck Condition Rating			5	4	6	6		7						7	5		6		8				
Superstr. or Culvert Cond. Rating	8	5	5	6	6	6		7	5			5	6	7	5		7	5	7	9	8	???? 7	
Channel Condition Rating	6	7		7					7			7	6				6			9	9	8	
Waterway Adequacy	8	8		8					8								6			9	8	8	
Vertical Traffic Clearance (ft.)	N/A	N/A	15.66	29.67	16.58	16.00	N/A	14.75	N/A	N/A	17.33	N/A	N/A	29.92	15.66	16.00	16.33	N/A	16.17	N/A	N/A	N/A	
Design Load / Posting	HS20 Mod./No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	Closed	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	H20 / No	S-1 / No
Sufficiency Rating	89.8	61.4	62.4	80.9	57.2	89.0		61.2	62.1			48.9	82.6	86.9	93.0		74.5	71.7	80.9	96.8	96.6	61.7	
Deficiency Type	None	None	None	Structural	None	None	None	Functional	None	None	None	None	None	None	Structural		None	None	None	None	None	Structural	
Deficient Rail	Yes		Yes		Yes	Yes											Yes	Yes	Yes				

Legend:

- Deficiencies
- Horizontal Constraints
- Tri-Level **T**
- Unknown

FIGURE 2