

(008) BRIDGE ID: 4010007711400
 (005) ROUTE: RICHLAND I- 77
 (006) CROSSING: I-20 & I-20 RAMP

(009) LOCATION: 9 MI E COLUMBIA
 (026) FUNCTIONAL CLASS: 11

GENERAL BRIDGE DATA

	EXISTING	REVISED	TYPE STRUCTURE	EXISTING SUP-SUB	REVISED SUP-SUB
(027) YEAR BUILT	1985	_____	(043) MAIN ORIGINAL (A)	4 02 1	_____
(106) YEAR RECON	0	_____	MAIN RECONST (B)		_____
(031) DESIGN LOAD	5	_____	(044) APPR ORIGINAL (A)	3 02 1	_____
(032) APPR RDWAY	41	_____	APPR RECONST (B)		_____
(033) BRIDGE MEDIAN	0	_____	(107) DECK STRUCT	1	_____
(034) SKEW	25	_____	(108) WEAR SURF	1 8 8	_____
(035) FLARED	0	_____	(045) # MAIN SPANS	3	_____
(36A) RAILINGS	1	_____	(046) # APPR SPANS	2	_____
(36B) TRANSITIONS	1	_____	(048) MAX SPAN LGTH	92	_____
(36C) APPR GUARD	1	_____	(308) APPR SPAN LGTH	57	_____
(36D) APPR GUARD END	1	_____	(049) STRUCT LENGTH	370	_____
(041) TRAFFIC STATUS	A	_____	(037) HISTORY	5	_____

GEOMETRIC DATA

	EXISTING	REVISED		EXISTING	REVISED
(038) NAVIGATION CONT	N	_____	(042) TYPE SERV; (A)-(B)	1 1	_____
(039) NAV VERT CLEAR	0	_____	(028) LANES; ON(A) UND(B)	2 8	_____
(040) NAV HORZ CLEAR	0	_____	(47A) HORZ CLEAR RIGHT	41	_____
(111) NAV PIER PROT		_____	(47B) HORZ CLEAR LEFT	0	_____
(10A) GREAT MIN OVER	FT IN	FT IN	(47UA) HORZ CLEAR RIGHT	61	_____
UNDERCLEARANCES	99 99	_____	(47UB) HORZ CLEAR LEFT	65	_____
(10B) GREAT MIN RIGHT	21 0	_____	(50B) SIDEWALK RIGHT	0	_____
(10C) GREAT MIN LEFT	21 0	_____	(50A) SIDEWALK LEFT	0	_____
(54A) VERT CLEAR REF	H	_____	(051) CURB TO CURB	41	_____
(54B) VERT CLEAR RIGHT	21 0	_____	(052) DECK OUT-OUT	44.4	_____
(54C) VERT CLEAR LEFT	21 0	_____	(053) VERT CLEARANCE	FT IN	FT IN
(55A) LAT CLEAR REF	H	_____	ABOVE DECK	99 99	_____
(55B) LAT CLEAR RIGHT	12	_____			
(55C) LAT CLEAR LEFT	7	_____			

CONDITION RATINGS

	EXISTING	REVISED		EXISTING	REVISED
(063) OPERATING RATING METHOD	1	_____	(58) DECK	8	_____
(064) OPERATING RATING	63	_____	(59) SUPER STR	7	_____
(065) INVENTORY RATING METHOD	1	_____	(60) SUB STR	7	_____
(066) INVENTORY RATING	38	_____	(061) CHANNEL	N	_____
(319) LAST PAINT DATE		_____	(062) CULV RET	N	_____

CRITICAL INSPECTION DATA

	EXISTING	REVISED
(090) INSP DATE	01/2012	<u>1/14</u>
(091) INSP FREQ	24	_____
(113) SCOUR CRITICAL	N	_____
	INTERVAL MTH YR	INTERVAL MTH YR
(93A) FRACTURE	N	_____
(93B) UNDERWATER	N	_____
(93C) SPECIAL	N	_____

APPRAISAL RATINGS

	EXISTING	REVISED
(067) STRUCTURE	7	GEN
(068) DECK GEOM	7	GEN
(069) UNDERCLEAR	5	GEN
(070) BRIDGE POST	5	GEN
(071) WATER ADEQ	N	_____
(072) APPR RDWAY	8	_____
(411) LOAD RATING ID		_____

7930

Bridge Element Group Textual Data

Bridge ID: 40-1-00077-1-14-00

13 Jan-2014

Abutments and/or Headwalls:

Bents and/or Piers:

(7) Hairline cracks in caps and columns, (see sketch sheet).

Bearings:

Pins in bearings 1, 4, & 5, bent 3 have backed out slightly with bearing 5 the worst.

Girders/Floor Beams/Stringers and/or Beams:

(7) 1 bolt not tightened properly on splice plate span 2, beams 1 and 2.

Truss Members:

Expansion Joints:

Decks and/or Slabs:

(8)

Curbs:

Bridge Railing/Parapets and/or Median Barriers:

Bridge and approach rail in place. Hairline cracks w/eff. in parapet walls. Concrete barrier bt 4 has hairline cracks in median barrier wall at columns on I-20. Guardrail at bt 3, both sides.

Paint System(s):

Paint peeling from beams and diaphragms.

Waterway and Scour:

Fender System:

Roadway Alignment:

Traffic Signs:

2 bridge end signs in place on I-77. No bridge end signs on I-20. Lat. clearance at bt 2, on I-20 Ramp is 23'.

Encroachments:

1-1" and 1-2" plastic pipe on left side att. to beam 1.

Miscellaneous Notes:

GPS: 34-04-02, 80-55-19.

Sketch Sheet

DATE 13 Jan 2014

STRUCTURE NUMBER 4010007711400

ROAD NUMBER I-77

COUNTY Richland

CROSSING I-20 & I-20 Ramp

Caps

Cap bent 2 has a:

2' vert. h/l crack cap build-up under beam 2, South side.

2' vert. h/l crack w/eff. cap build-up under beam 3, South side.

Cap bent 5 has a 2' vert. h/l crack cap build-up between beams 3 & 4, North side.

Columns

Column 2 bent 5 has a 1' vertical hairline crack at ground line, South side.

