

McINTYRE  
BRIDGE

2003

Bridge Inspection Report (English Units)

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
0	13/4	Unp Conc Deck/AC Ovr	(SF)	17,319	0%	0	0%	0	0%	0	100%	17,319	0%	0
0	105/4	R/Conc Box Girder	(LF)	2,020	75%	1,520	20%	400	5%	100	0%	0	0%	0
0	205/4	R/Conc Column	(EA)	8	100%	8	0%	0	0%	0	0%	0	0%	0
0	215/4	R/Conc Abutment	(LF)	172	98%	168	2%	4	0%	0	0%	0	0%	0
0	302/4	Compressn Joint Seal	(LF)	164	95%	156	5%	8	0%	0	0%	0	0%	0
0	308/4	Constr Non Exp Jt	(LF)	205	0%	0	100%	205	0%	0	0%	0	0%	0
0	321/4	R/Conc Approach Slab	(EA)	2	100%	2	0%	0	0%	0	0%	0	0%	0
0	325/4	Slope Prot/Berms	(EA)	2	0%	0	100%	2	0%	0	0%	0	0%	0
0	326/4	Bridge Wingwalls	(EA)	4	0%	0	100%	4	0%	0	0%	0	0%	0
0	334/4	Metal Rail Coated	(LF)	410	100%	410	0%	0	0%	0	0%	0	0%	0
0	338/4	Conc Curbs/SW	(LF)	615	80%	490	20%	125	0%	0	0%	0	0%	0
0	359/4	Soffit Smart Flag	(EA)	1	0%	0	0%	0	100%	1	0%	0	0%	0
0	362/4	Traf Impact SmFlag	(EA)	5	0%	0	100%	5	0%	0	0%	0	0%	0
0	371/4	Traf Imp Dck SmFlag	(LF)	1	0%	0	100%	1	0%	0	0%	0	0%	0

Str Unit	Elm/Env	Description	Element Notes
0	13/4	Concrete Deck - Unprotected w/ AC	2" asphalt - Some patches as on deck. No documentation in folder about the conc deck being repaired before last overlay, leave in prior condition state.
0	105/4	Reinforced Concrete Closed Webs	Minor high load damage see smart flag 362. Exterior webs have light to 1/32" diagonal shear cracks near abuts and pier, most without efflor. and several light vert flex cracks. Waterstains on exterior of webs below median due to leaking longit constr fl. This has caused spots of delam, about 30 ft. to bottom edge of span 1 & about 40 ft. to span 2. Bottom slab has many trans. cracks with mod. efflor. on rt. side of span 2, 10+/- at rear corner and some spalling with rebar exposed and/or rust stains at rt drains. See 5-1995 photo. Much efflor. from the web cracks on the rt exterior near P2, 7-99 Photo. Interior webs also have diagonal cracks per 1/3 length near abutments and pier, estimate 30 cracks per web x 12 = 360.
0	205/4	Reinforced Conc Column or Pile E	Good cond. but col's D & E are waterstained due to leaking deck joint.
0	215/4	Reinforced Conc Abutment	Conc. spalling around gasline sleeve in A1 at median. Minor spalls with some contamination along horiz. cold jt at top of A1 at med. Only 6" exposure between box girders and top of steep slope paving.
0	302/4	Compression Joint Seal	Assume seals are still in place, asphalt covered. Previous 1/8" open crack and D-cracking now asphalt patched in driving lanes, still in shoulder areas.
0	308/4	Construction/Non-Expansion Joint	As per plans, longit. constr. jt between east portion and median curb only. Leakage full length along median even though some sealing has been done, deterioration below continues due to this leakage.
0	321/4	Reinforced Conc Approach Slab	Previous settlement has been compensated for with asphalt.
0	325/4	Slope, Slope Protection, Berms	Conc. slope paving pulled away 1-2" from both abuts. Lt. end at A3 has settled 4" with a 10" void below. Roadway runoff is causing erosion below slope paving and settling along wingwalls, especially lt rear with 18" settlement at top of wing and minor void. The rt. wingwall of Abut. 1 has a 3 cubic foot void at top of it and much more at the corner of the abutment where there is a deep void further below and 1 panel heaved at A1 toe.
0	326/4	Bridge Wingwalls	U-Type. Random cracks. Erosion at ends due to roadway runoff.
0	334/4	Metal Bridge Railing - Coated	Type N, Galv channel rail. Minor scrapes on lt. in span 2.
0	338/4	Concrete Curbs/Sidewalks	Mod. horiz. delam. cracking with some rust stains, most of rt. side and minor horiz. delam. cracking on lt side. 4 ft. wide (6" high) median curb has minor nicks without rebar exposed. Lt. backside has spall behind 1 post and delam. behind 3 consecutive posts in span 2.
0	359/4	Soffit of Concrete Deck or Slab	Majority of deck bottom not seen due to timber formwork left in place inside CBG. Active leaking through deck in cells 1G, 1H & 1I near P2 in 5/1997. More efflorescence in cracks at rt overhang near and above P2, 7/1999 Photo.
0	362/4	Traffic Impact	IMP-05/05/95, ISP-06/01/2001, REP-00/00/00. High load nicks, rebar exposed with one bent out of CBG plane, lt edge of span 1 over EB #2 lane, 5-1995 Photo.
0	371/4	Traffic Impact (Deck) Smart Flag	IMP-05/05/95, ISP-06/01/2001, REP-00/00/00. Top channel of bridge rail at A3 it has been hit and bent 3" out of alignment.

BRIDGE NOTES

Access doors are located 6-7' above steep slope paving, large flat screwdriver required for bolts.

Still getting active leakage of water and some dirt into CBG cell 2J through utility blockout in A3, see photos 5/5/95.

Utilities - 20" dia steel gasline between box girder sections hung from deck; Two 6" dia steel conduits mounted on the rt web