BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 067-0100-0 **Cobb County** SUFF. RATING: 85.8

Location & Geography

* Structure I.D. No.: 067-0100-0
200 Bridge Information: 07

* 6A Freature Int.: RMP I-285 CCBL TO I-75S
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00407
* 7B Facility Carried: I-285
* 9 Location: 6.7 MI SE OF MARIETTA
2 DOT District: 7
207 Year Photo: 1997

* 91 Inspection Frequency: 24 Date: 05/01/1999
92A Fract Crit Insp Freq: 0 00 Date: 0000
92B Underwater Insp Freq: 0 00 Date: 0000
92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1
Type: 1
Designator: 1
Number: 00285
Direction: 0

* 16 Latitude: 33-53.4
* 17 Longitude: 84 -27.6

98 Border Bridge: 000 %Shared: 00
99 ID Number: 000000000000000

* 100 Defense Highway: 2
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 006.11

* 208 Inspection Area: 09 Initials: DEM

* Location I.D. No: 067-00407D-020.04C
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 1
* 26 Functional Classification: 11
* 204 Federal Route Type: I No: 285-1
* 110 Truck Route: 1
206 School Bus Route: 0
217 Benchmark Elevation: 0.00
218 Datum: 0
* 19 Bypass Length: 1
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 6
37 Historical Significance: 5
205 Congressional District: 07
* 27 Year Constructed: 1978
106 Year Reconstructed: 0000
33 Bridge Median: 3
34 Skew: 30
35 Structure Flared: 0
38 Navigation Control: N
213 Special Steel Design: 8
267 Type of Paint: 5

* 42 Type Service On: 1
Under: 1
214 Movable Bridge: 00
203 Type Bridge: O-O-N-O
259 Pile Encasement: 3
* 43 Structure Type Main: 4 02
45 No. Spans Main: 003
44 Structure Type Appr: 0 0
46 No. Spans Appr: 0000
226 Bridge Curve Horz: 0 Vert: 0
111 Pier Protection: 0
107 Deck Structure Type: 1

108 Wearing Surface Type: 1
Membrane: 0
Protection: 0

Signs & Attachments

223 Expansion Joint Type: 02
242 Deck Drains: 0

243 Parapet Location: 0
Height: 0
Width: 0

238 Curb: 0.0 0
239 Handrail: 9 9
* 240 Median Barrier Rail: 1

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 6
Fwrd: 6
Oppo Dir Rear: 6
Fwrd: 6

244 Approach Slab: 3
224 Retaining Wall: 1

233 Posted Speed Limit: 65
236 Warning Sign: 0
234 Delineator: 0
235 Hazard Boards: 0

237 Utilities Gas: 00
Water: 00
Electric: 23
Telephone: 00
Sewer: 00

247 Lighting Street: 0
Navigation: 0
Aerial: 0

* 248 County Continuity No: 00

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 067-0100-0 **Cobb County** SUFF. RATING: 85.8

Programming Data

201 Project No: I-IR-285-1 (135) 86
202 Plans Available: 1
249 Prop. Proj No:
250 Approval Status: 0000
251 P.I. No: 000000
252 Contract Date: 0000
260 Seismic No: 00000
75 Type Work: 00 0
94 Bridge Imp. Cost: $ 0
95 Roadway Imp. Cost: $ 0
96 Total Imp. Cost: $ 0
76 Imp. Length: 000000
97 Imp. Year: 0000
114 Future ADT: 236700 Year: 2018

Hydraulic Data

215 Waterway Data
Highwater Elev: 0000.0 Year: 0000
Flood Elev: 0000.0 Freq: 00
Avg. Streambed Elev: 0000.0
Drainage Area: 00000
Area of Opening: 000000
113 Scour Critical: N
216 Water Depth: 00.0 Br Height: 00.0
222 Slope Protection: 4
221 Spur Dikes Rear: 0 Fwrd: 0
219 Fender System: 0
220 Dolphin: 0
223 Culvert Cover: 000
Type: 0
No Barrels: 0
Width: 0.0
Height: 0.0
Length: 0
Apron: 0
* 265 U/W Insp. Area: 0 Diver: ZZZ

* Location I.D. No: 067-00407D-020.04C
* XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 157800 Year: 1998
109 % Trucks: 12
* 28 Lanes On: 05 Under: 02
210 No. Tracks On: 00 Under: 00
* 48 Max. Span Length: 0123
* 49 Structure Length: 209
51 Br. Rdwy. Width: 107.6
52 Deck Width: 113.7
* 47 Tot. Horz. Cl: 53.8
50 Curb/Sdewlk Width: 0.0/0.0
32 Approach Rdwy Width: 107
* 229 Shlder Width:
Rear Lt: 6.5 Type: 3 Rt: 11.0
Fwrd Lt: 6.5 Type: 3 Rt: 23.0
Pvment Width:
Rear: 36.0 Type: 2
Fwrd: 24.0 Type: 2
Intersection Rear: 0 Fwrd: 0
36 Safety Features Br. Rail: 1
Transition: 1
App. G. Rail: 1
App. Rail End: 1
53 Minimum Cl. Over: 99' 99"
Under: H 16' 07"
* 228 Min. Vert. Cl
Act. Odm. Dir: 99' 99"
Oppo. Dir: 99' 99"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"
55 Lateral Undercl. Rt: H 12.0
56 Lateral Undercl. Lt: 7.0
* 10 Max Min Vert Cl: 99' 99" Dir: 0
39 Nav Vert Cl: 000 Horz: 0000
116 Nav Vert Cl Closed: 000
245 Deck Thickness Main: 7.5
Deck Thick Approach: 0.0
246 Overlay Thickness: 0.0
211 Tons Structural Steel: 0.0
212 Year Last Painted: Sup: 1998 Sub: 0000

Ratings

66 Inventory Type: 2 Rating: 35
64 Operating Type: 2 Rating: 59
231 Calculated Loads
H-Modified: 20 0
HS-Modified: 25 0
Type 3: 28 0
Type 3s2: 40 0
Timber: 36 0
Piggyback: 40 0
261 H Inventory Rating: 20
262 H Operating Rating: 28
67 Structural Evaluation: 7
58 Deck Condition: 7
59 Superstructure Condition: 7
* 227 Collision Damage: 0
60A Substructure Condition: 7
60B Scour Condition: N
60C Underwater Condition: N
71 Waterway Adequacy: N
61 Channel Protection Cond: N
68 Deck Geometry: 9
69 UnderClr. Horz/Vert: 8
72 Appr. Alignment: 8
62 Culvert: N

Posting Data

70 Bridge Posting Required: 5
41 Struct Open, Posted, Cl: A
* 103 Temporary Structure: 0

232 Posted Loads H-Modified: 00
HS-Modified: 00
Type 3: 00
Type 3S2: 00
Timber: 00
Piggyback: 00
253 Notification Date: 0000
253 Fed Notify Date: 0000 0

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PEI-FI-285-1 (84) 88 Cobb County

067-0100-0

OFFICE Materials & Research
Forest Park, Georgia

DATE September 29, 1976

FROM David A. Mitchell, Chief, Geotechnical Engineering Bureau

TO John T. Kratzer, State Bridge & Structural Design Engineer

SUBJECT Bridge Foundation Investigation
I-285 Over Ramp D
Bridges 1 Lt. & 1 Rt.

As requested, a bridge foundation investigation has been made at the above listed site. The results of this work are attached.

If any additional information is needed, please notify us.

Jim Stivender

Jim Stivender
Soil Engineering Branch

JDS/mw

Attachments

The Department of Transportation in making this foundation report available to contractors assumes no responsibility for its accuracy.

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BRIDGE FOUNDATION INVESTIGATION
PEI-FI-285-1 (84) 88 COBB COUNTY
I-285 OVER RAMP D
BRIDGES 1 LT. & 1 RT.

1. **Location -** This double structure will be located between the existing east and west bound lanes of I-285 in the I-75 - I-285 interchange northwest of Atlanta. This location places the project in the Biotite Gneiss/Mica Schist/Amphibolite Formation of the Georgia Piedmont Province.

2. **Subsurface Conditions -** Refer to the attached subsurface profile and boring logs for existing foundation conditions at this site. Some pertinent information is:
   A) Generally, above elevation 860 lie medium dense to dense sandy silts with clayey strata near the surface.
   B) Below elevation 860 lie dense to very dense silts and weathered rock layers underlain by hard rock between elevations 840 and 850.
   C) The ground water table was encountered between elevations 865 and 875 during the investigation.

3. **Foundation Recommendations -** Pile end bents and intermediate pile footings founded on steel "H" piles will provide suitable foundations for this structure. Maximum design loads for corresponding pile sizes are:

   10 BP42 Piles = 55 tons
   12 BP53 Piles = 70 tons
   14 BP73 Piles = 90 tons

   Pile tips under the above loads should range in the following manner:

BENT	EST. TIP ELEV.	MIN. TIP ELEV.
1	850-855	870
2	850-860	870
3	850-855	860
4	845-850	870

   PDO should be Driving Resistance upon achieving the indicated minimum tip elevation.

4. **Danger From Fill Settlement -** We recommend waiting 45 days from the completion of fill placement to commencement of pile driving at this site.

Reported By:
Jim Stivender, GE II

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JDS/mw

September 29, 1976

DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/2/76

LOCATION I-285 O/Ramp D BORING NO. 1

BENT NO. 1 FOOTING 33' Lt. ℄ GROUND ELEV. 891.52

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø		
	Gr. El.														
890	Stiff Red Silty Sandy Clay														
		1s	21												
		2s	23												
880															
		3s	16												
	Medium Dense Mltc.	4s	18												
870	Micas. Sandy Silt														
		5s	18												
		6s	20												
860															
		7s	51												
		8s	60=.0'												
850	Very Dense Sand														
		9s	60=.5'												
840	Pract. Refusal on Rock														

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/2/76

LOCATION Br. No. 1 Rt BORING NO. 3

BENT NO. 1 FOOTING 45' Rt. ℄ Offset 10' Bk. GROUND ELEV. 891.25

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El.												
890	Medium Dense Red Clayey Sandy Silt	1s	19										
880	Medium Dense Mltc. Micas. Sandy Silt	2s	11										
	Dense Same	3s	38										
870	Medium Dense Mltc. Micas. Sandy Silt	4s	17										
Wt.		5s	43										
860	Dse. to V. Dense Same	6s	40										
		7s	51										
850	Very Dense Mltc. Micas. Sandy Silt	8s	60=4'										
	Proct. Refusal on Rock												

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/7/76

LOCATION Br. No. 1 Lt. BORING NO. 5

BENT NO. 2 FOOTING 37' Lt. ℄ GROUND ELEV. 896.04

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø		
	Gr. El. 7														
890	Medium Dense Mltc. Clayey Sandy Silt	1s	17												
	Dse. Mltc. Micas. Sdy Silt	2s	26												
880		3s	16												
Gwt.		4s	15												
870	Medium Dense Same	5s	12												
		6s	19												
860		7s	13												
		8s	60												
	Very Dense Mltc. Micas. Sandy Silt														
850	Same		60=6"												
	Pract. Refusalon Rock														

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/7/76

LOCATION Br. No. 1 Lt-Rt. BORING NO. 6

BENT NO. 2 FOOTING ℄ GROUND ELEV. 893.5

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ϕ
	Gr. El. 7												
890	Med. Dense Mltc. Micas. Clayey Sandy Silt	1s	11										
	Stiff Brown Sandy Silty Clay	2s	12										
880		3s	21										
Gwt.	Medium Dense Mltc. Micas. Sandy Silt	4s	15										
870		5s	15										
	Dense Same	6s	41										
860		7s	60=8'										
	Very Dense Mltc. Micas. Sandy Silt	8s	60=7'										
850			60=2'										
	Sil. Weath. to Hd. Rock												
	Pract. Refusal on Rock												

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/7/76
LOCATION Br. No. 1 Rt. BORING NO. 8
BENT NO. 2 FOOTING 37' Rt. ℄ GROUND ELEV. 890.45
PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El. 1												
890	Medium Dense Mltc. Micas. Sandy Silt												
	Med. Dense Mltc. Micas Sandy Clayey Silt	1s	18										
880		2s	12										
		3	14										
870	Medium Dense Mltc. Micas. Sandy Silt	4s	13										
Gwt.		5s	26										
	Dense Same												
860			60=5"										
		7s	55										
850	Very Dense Mltc. Micas. Sandy Silt		65										
		9s	60=5"										
840	Proct. Refusal on Rock												

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/8/76
LOCATION Br. No. 1 Lt. BORING NO. 11
BENT NO. 3 FOOTING 47' Lt. ℄ Offset 8' Fwd. GROUND ELEV. 897.94
PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El. 7												
	Dense Mltc. Micas Sandy Silt	1s	36										
890		2s	24										
	Medium Dense Same	3s	12										
880													
Swt.		4s	17										
	Dse. Mltc. Micas Sdy. Silt	5s	30										
870	Medium Dense Same	6s	19										
	Very Dense Mltc. Micas. Sandy Silt	7s	60=7"										
860	Dense Same	8s	30										
	Very Dense Mltc. Micas. Sandy Silt	9s	60=0"										
850	Pract. Refusal												

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/8/76

LOCATION Br. No. 1 Lt.-Rt. BORING NO. 12

BENT NO. 3 FOOTING ℄ Offset 10' Fwd. GROUND ELEV. 895.35

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El.												
890	Medium Dense Mltc. Micas. Cy. Sandy Silt	1s	21										
	Loose Mltc. Micas. Sandy Silt	2s	9										
880		3s	16										
Swt.	Medium Dense Same	4s	29										
870		5s	26										
	Dense Mltc. Micas. Sandy Silt	6s	31										
860		7s	44										
	Very Dense Same		60∓2'										
850	Pract. Refusal on Rock												

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This foundation investigation report is not considered as a [illegible] Specification[illegible]

DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/8/76

LOCATION Br. No. 1 Rt. BORING NO. 14

BENT NO. 3 FOOTING 47' Rt. ℄ Offset 10' Fwd. GROUND ELEV. 893.20

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El.												
890	Medium Dense Mltc. Micas. Sandy Silt												
	Dense Mltc. Micas. Clayey Sandy Silt	1s	38										
		2s	19										
880													
	Medium Dense Mltc. Micas. Sandy Silt	3s	12										
		4s	18										
870													
Gwt		5s	28										
	Dense Same												
	V.Dse. Mltc. Micas. Sdy. Slt.	6s	60										
860													
	Medium Dense Mltc. Micas. Sandy Silt	7s	20										
			60=5'										
850	Very Dense Same												
		9s	60=.0'										
	Pract. Refusal on Rock												

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/8/76

LOCATION Br. No. 1 Lt. BORING NO. 16

BENT NO. 4 FOOTING 33' Lt. ℄ GROUND ELEV. 891.60

PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø		
	Gr. El.														
890	Med. Dense Mltc. Micas. Clayey Sandy Silt	1s	22												
880	Medium Dense Mltc. Micas. Sandy Silt	2s	14												
	Dense Same	3s	32												
870	Medium Dense Mltc. Micas. Sandy Silt	4s	15												
Gwt.	Dense Same	5s	38												
860		6s	60												
	Very Dense Mltc. Micas. Sandy Silt	8s	60												
850			60=.5'												
			60=.5'												
	Pract. Refusal on Rock														

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DOT 490

DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS AND RESEARCH, FOREST PARK, GEORGIA
SOILS ENGINEERING AND GEOLOGY BRANCH

BRIDGE SUBSURFACE INVESTIGATION

PROJECT PEI-FI-285-1(84) COUNTY Cobb DATE 9/8/76
LOCATION Br. No. 1 Rt. BORING NO. 18
BENT NO. 4 FOOTING 39' Rt. ℄ GROUND ELEV. 891.90
PROPOSED FOOTING ELEV. PARTY CHIEF Bowling

ELEV.	BORING LOG		BLOW	UNIFIED	γ	W	Gs	% 200	% CLAY	LL	PI	C	ø
	Gr. El. 1												
890	MedDseMltcMicasCySdySilt												
		1s	17										
		2s	16										
880													
	Medium Dense Mltc. Micas. Sandy Silt	3s	11										
		4s	15										
870													
		5s	18										
Dwt.													
	Very Dense Same	6s	60=7'										
860													
	Medium Dense Mltc. Micas. Sandy Silt		17										
			60=5'										
850													
	Very Dense Same	9s	60=2'										
840	ProctRefusal on Rock												

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GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 7
Bridge Inspector: DEM
Location ID: 067-00407D-020.04C
Structure ID: 067-0100-0

Inspection Date: 05/01/99
Over: RMP I-285 CCBL TO I-75S
County: Cobb
Road Name: I-285

Inspection Area: 09
Bridge Status: 07

EVALUATION & DEFICIENCIES

SubStructure: **Year Painted:** 0000

All concrete units - caps and 6 columns per bent.

The snooper is down and a inspection will be done at a later date.

The abutments are founded on steel "H" piling.

Inventory rating =HS 20 known design.

Minor cracking in both abutment caps.

Minor settlement under both abutments exposing "H" pile minor section loss on pile .

Void in slope pavement at abutment #1 (CBL).

SuperStructure: **Year Painted:** 1998

2 span concrete flat slab - 3 span steel (16, 50 1/2" X12 1/4" X 2 1/2" built up giders beams per span).
Last painted in 1998.
At mid-span #1 and #3 the bridge is cantilever.
Roller bearings at bent #2.

The snooper is down and a inspection will be done at a later date.

Inventory rating =HS 20 known design.

All beams are in good condition.
The bearings at mid-span #1 were either never cleaned or cleaned and just had primer put on them when bridge was painted with contract.

Mid-span #1 and #3 the bearings have shifted (stable).

Concrete span has shifted in span #1 (2 1/4") to the left, the movement appears to be stable at present.

Deck:
7 1/2" concrete slab.
Metal S.I.P. deck forms.

Inventory rating = HS 20 known design.

Minor transverse cracking through out the deck surface..

Armor joints in the (CBL) and (CCBL) has been replace with silicone sealed joints.
All joints are in fair condition except for the emergecy lane in the (CCBL) at the mid-span joint at abutment #1.
The joint appears to have never been sealed (no seal present), roadway joint was sealed.

General:
Built in 1979 project # - I-IR-285-1 (135) 86

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

EVALUATION & DEFICIENCIES

Condition Rating

Component	Material	Rating
Substructure	Concrete	7
Superstructure	Conc.& steel	7
Deck	Concrete	7

Temp Shored: **No**

Truck Type	Gross/H-Mod	HSMod	Tand	3-S-2	Log	Piggy
Calculated Posting	20	25	28	40	36	40
Posting Required						
Existing Posting	00	00	00	00	00	00

Not a School Bus Route

Structure Does Not Require Posting

GEORGIA DEPARTMENT OF TRANSPORTATION

OFFICE OF MAINTAINANCE - BRIDGE DEFICIENCY REPORT

District: 7 **Inspection Date:** 05/01/99 **Inspection Area:** 09
Bridge Inspector: DEM **Over:** RMP I-285 CCBL TO I-75S
Location ID: 067-00407D-020.04C **County:** Cobb
Structure ID: 067-0100-0 **Assit. District Engineer:** Mike Malcom

I-285 OVER RMP I-285 CCBL TO I-75S ---- 6.7 MI SE OF MARIETTA

Item	UNITS	Work	P	Date Reported	LOCATION	Date Completed	Complete
806	SQ. FT.	10	B	04/01/1985		04/01/1987	730 Days
801	LIN. FT.	35	B	05/01/1999	See comments		***
808	LIN. FT.	10	B	05/01/1999			***
820	MAN-HRS.	80	B	05/01/1999	See comments		***
830	MAN-HRS.	40	B	05/01/1999	Repair slope paving.		***

Comments:
820) Reposition the bearings at mid-span #1.
801) Seal the joint in the emergency land CCBL at abutment #1.

GEORGIA DEPARTMENT OF TRANSPORTATION

Vertical Clearance Report

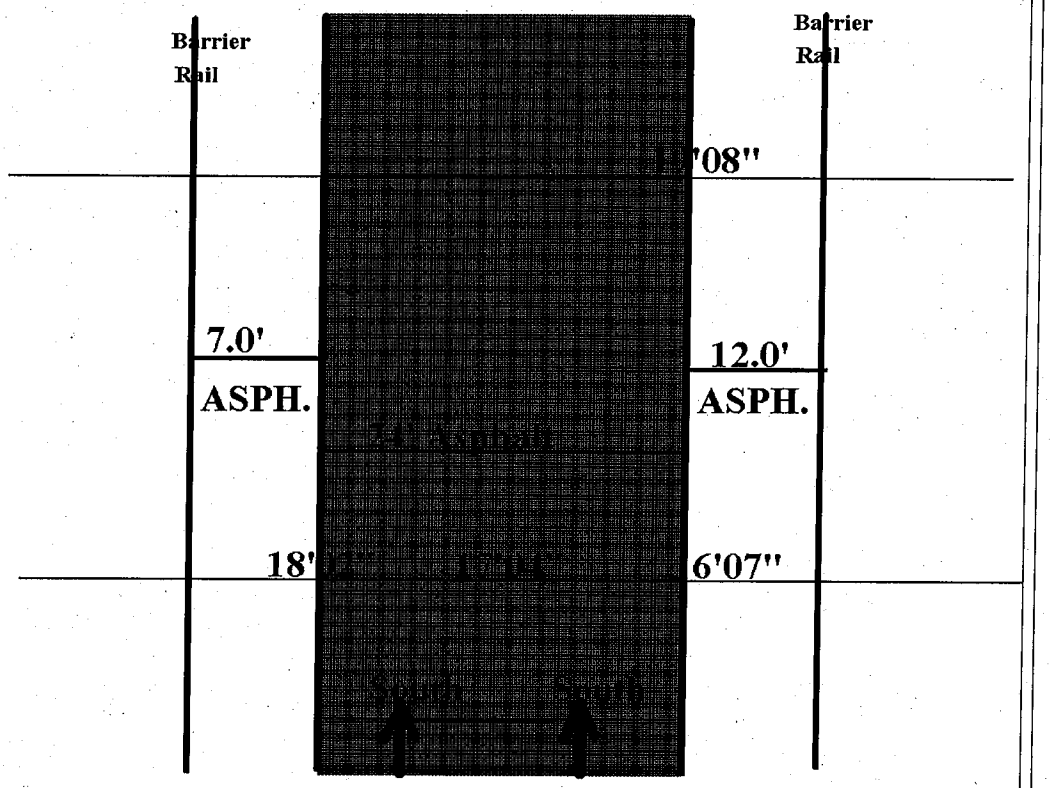
District: 7
Bridge Inspector: DEM
Location ID: 067-00407D-020.04C
Structure ID: 067-0100-0

Inspection Date: 05/01/99
Over: RMP I-285 CCBL TO I-75S
County: Cobb
Skew: 30

Inspection Area: 09

2 LANE Show & Code Actual Measured Clearances.

VERTICAL CLEARANCE



Cross-Reference Route

XRef ID: 067-0100-0-A

Min. Clearance Over: 99-99
Act Min Vert. Odom: 16- 7
Act Min Vert. Opp: 99-99
Max Min Vert. Clear: 17- 4

Min. Clearance Under: 16- 7
Post Min Vert Odom: 0- 0
Post Min Vert. Opp: 0- 0
Direction: 2

Clearance Type: H

Lat Under Clear Right: 12.0
Left: 7.0
Lateral Type: 8

Ratings-Under Cl Horz/Vert: 8
Total Horizontal Clearence (ft): 43.0

Cross Reference Report
Cobb County

Structure ID: 067-0100-0

Location & Geography

* Structure I.D. No.: 067-0100-0-A
* 6A Freature Int.: I-285
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00407
* 7B Facility Carried: RMP I285CC TO I75S
* 9 Location: 6.7 MI SE OF MARIETTA

* 91 Inspection Frequency: 00 Date: 0000
* 4 Place Code: 00000

* 5 Inventory Route (O/U): 2
Type: 1
Designator: 7
Number: 00285
Direction: 0

* 16 Latitude: 33.53.4
* 17 Longitude: 33.27.6

* 100 Defense Highway: 2
* 101 Parallel Structure: N
* 102 Direction of Traffic: 1
* 104 Highway System:
* 26 Functional Classification: 19
* 204 Federal Route Type: I No: 285-1
* 110 Truck Route: 1
* 19 Bypass Length: 1
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01

* 27 Year Constructed: 1978

* 42 Type Service On: 1
Under: 1
* 43 Structure Type Main: 4 02

* Location I.D. No: 067-00407R-020.04C
* XReferen I.D. No:

Signs & Attachments

* 240 Median Barrier Rail: 0

* 230 Guardrail Loc Dir Rear: 6
Fwrd: 6
Oppo Dir Rear: 0
Fwrd: 0

Measurements

* 29 ADT: 017050 Year: 1919

* 28 Lanes On: 05 Under: 02

* 48 Max. Span Length: 0123
* 49 Structure Length: 209

* 47 Tot. Horz. Cl: 43

* 229 Shlder Width:
Rear Lt: 7.0 Type: 2 Rt: 12.0
Fwrd Lt: 7.0 Type: 2 Rt: 12.0
Pvment Width:
Rear: 24.0 Type: 2
Fwrd: 24.0 Type: 2
Intersection Rear: 1 Fwrd: 1

* 228 Min. Vert. Cl
Act. Odm. Dir: 16' 07"
Oppo. Dir: 99' 99"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"

* 10 Max Min Vert Cl: 17' 04" Dir: 2

* 208 Inspection Area: 09 Initials: DEM
* 265 U/W Insp. Area: 0 Diver: ZZZ

Ratings

* 227 Collision Damage: 0

Posting Data

* 103 Temporary Structure: 0

* 248 County Continuity No: 00

COBB
067 - 00407 D - 020.04 C

067-0100-0

PHOTO'S: 12

SHEET'S: 23

D.C.T. #6

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE

OFFICE ATLANTA-MAINTENANCE

DATE JULY 28, 1995

FROM LARRY B. SEABROOK, STATE MAINTENANCE ENGINEER

TO PAUL V. LILES, JR., STATE BRIDGE ENGINEER

SUBJECT **KENNEDY INTERCHANGE**
NH-IM-75-3 (195) COBB COUNTY
IM-NH-75-3 (205) COBB COUNTY
P.I. NO. 712800, 712804

AS REQUESTED, A CONDITION SURVEY HAS BEEN PERFORMED ON THE BRIDGES IN THE I-75/I-285 INTERCHANGE AND ON I-75 OVER THE CHATTAHOOCHEE RIVER. FOLLOWING IS AN ITEMIZED LISTING OF THE DEFICIENCIES NOTED ON EACH STRUCTURE.

BRIDGE ID 121-00401-257.28N
STRUCTURE ID 121-0159-0
I-75 OVER CHATTAHOOCHEE RIVER

1). CLEAN AND RESEAL ALL DECK JOINTS.

2). REPAIR DECK SPALLS AT FOLLOWING JOINT LOCATIONS:

BENT #		APPROXIMATE AREA
4	NBL	20 FT^2
6	NBL	10 FT^2
7	NBL	10 FT^2
12	SBL	10 FT^2
13	SBL	20 FT^2
14	SBL	10 FT^2
15	SBL	10 FT^2

3). REPAIR SCOUR AND UNDERMINING OF CONCRETE SPREAD FOOTINGS AT FOLLOWING LOCATIONS:

BENT #	COLUMN	APPROXIMATE AREA
5	1	10 FT^2 @ EAST FACE
5	4	12 FT^2 @ NORTHWEST CORNER
5	6	5 FT^2 @ SOUTH FACE
11	4	5 FT^2 @ NORTHEAST CORNER
14	3	5 FT^2 @ NORTH FACE
14	4	10 FT^2 @ EAST FACE
14	6	20 FT^2 @ NORTH & SOUTH FACE

BENT #	COLUMN	APPROXIMATE AREA
15	1	10 FT^2 @ SOUTH SIDE
15	4	2 FT^2 @ SOUTH SIDE

4). APPROACH SLAB AT SOUTH END OF SBL HAS SETTLED 1 INCH IN RIGHT LANE WITH A SPALL AT THE JOINT WITH ABUTMENT #1. REPAIR OR REPLACE APPROACH SLAB.

BRIDGE ID 067-00401-258.79N
STRUCTURE ID 067-0066-0
I-75 OVER I-285 RAMP EBL CD

1). REPLACE STEEL ARMORED SLIDING PLATE JOINTS AT ABUTMENT #1 AND #4 WITH GENI JOINT.

2). EXTENSIVE TRANSVERSE DECK CRACKING WAS OBSERVED IN THE ORIGINAL DECK SECTIONS IN SPANS #1, #2, AND #3. REFER TO LAB DECK CONDITION SURVEY FOR SPECIFIC RECOMMENDATIONS.

BRIDGE ID 067-00407R-020.01C
STRUCTURE ID 067-0088-0
I-285 RAMP OVER I-285 EBL CD

1). CLEAN AND PAINT STRUCTURAL STEEL.

BRIDGE ID 067-00407-020.04C
STRUCTURE ID 067-0100-0
I-285 OVER I-285 RAMP TO I-75 SOUTH

1). CLEAN AND PAINT STRUCTURAL STEEL.

2). *DESIGN DEFLECTION SYSTEM FOR LONGITUDINAL JOINT AT CENTERLINE OF BRIDGE TO KEEP* DEBRIS OFF OF BOTTOM FLANGE OF BEAMS AND BEARINGS (SIMILAR TO ONE DESIGNED FOR I-285 OVER CHATTAHOOCHEE).

3). REPLACE EXISTING WABOCRETE JOINT AT BENT #2 (EBL & WBL) WITH GENI JOINT.

4). REPAIR JOINT *SPALLS AT ABUTMENT #1 AND #4 AND CLEAN AND RESEAL JOINTS AT ABUTMENT* #1 AND #4.

BRIDGE ID 067-00407-020.17C
STRUCTURE ID 067-0101-0
I-285 OVER I-75

1). CLEAN AND PAINT STRUCTURAL STEEL.

2). CLEAN AND SEAL JOINTS AT ABUTMENT #1 AND 4.

3). REPLACE EXISTING WABOCRETE JOINT AT BENT #3 WBL WITH GENI JOINT.

BRIDGE ID 067-00407-20.41C
STRUCTURE ID 067-0106-0
I-285 OVER ROTTENWOOD CREEK

1). CLEAN AND PAINT STRUCTURAL STEEL.

2). REPLACE EXISTING WABOCRETE JOINTS AT ABUTMENT #1 AND #4 WBL AND ABUTMENT #1 EBL WITH GENI JOINT.

3). REPAIR EROSION OF SLOPE AT ABUTMENT #1 AND #4 AND UNDERMINING OF CAPS EXPOSING FOUNDATIONS PILES AT FOLLOWING LOCATIONS:

ABUTMENT	LOCATIONS
1	BETWEEN BEAMS 4-5, 9-10, 12-14
2	BETWEEN BEAMS 8-10, 1-2

4). REPLACE ROLLER BEARING AT ABUTMENT #1, BEAM #8.

BRIDGE ID 067-00407R-020.35C
STRUCTURE ID 067-0105-0
I-285 CD RAMP EBL OVER ROTTONWOOD CREEK

1). CLEAN AND PAINT STRUCTURAL STEEL.

2). CLEAN AND SEAL DECK JOINTS.

3). REPAIR JOINT SPALL AT BENT #2 (APPROXIMATELY 20 FT^2).

IF FURTHER INFORMATION IS REQUIRED ON ANY OF THESE STRUCTURES, PLEASE CONTACT BRIAN K. SUMMERS OF MY OFFICE AT 657-6063.

LBS:BKS:WS

Jimmy Vaughan

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE

OFFICE Materials & Research
Forest Park, Georgia
DATE August 3, 1987

FROM Sandra D. Selph, Research Technologist SDS

TO Distribution

SUBJECT Special Assignment
Approach Span Lateral Movement

From existing displacements of the west end approach spans of an I-285 North mainline bridge 067-00407-02004C over the I-75 ramp, it was evident that some movement of the approach slab had occurred. To measure any possible further movement, as requested by the Office of Maintenance, measurement points' instrumentation was made on 7/28/87 with Rick Deaver, Pam King and Steve Valdez. Two pairs of brass pins were placed on the outside barrier wall to measure the movement in the longitudinal and transverse directions relative to traffic. These directions closely correspond to the north/south and east/west directions. The measurements were taken across the joint in the barrier wall between the bridge deck and the leave slab at the northwest corner of the bridge on the westbound lane. Epoxy, usually used for raised pavement markers, was used to secure the pins.

The measurements were determined with a 6" inside/outside dial caliper to the nearest 1/1000th inch. The readings of these measurements varied because of heavy truck movement that bent the cantilevered bridge deck in almost constant motion. These initial measurements are included on the attached data sheet along with diagrams of application and location of the bridge.

Underneath the bridge on the end wall, the movement was also evident by a crack that was caused by a shift in the longitudal and transverse directions between the two walls of the two adjacent east bound lane and west bound lane bridges. This shift affected both west end spans with the northern-most span having moved the furtherest. To monitor the movement, caused by suspected fill settlement, a pair of brass plates were secured to the wall across the crack with epoxy. This will allow independent measurements from the deck or end span to be taken of the bridge wall's movement. In addition, a measurement was taken between beam #9 on the eastbound bridge and beam #8 on the westbound bridge. Pen marks were placed on the bottom flange to indicate that measurements were taken about two feet from the ends of the beams. These measured values also are listed on the attached data sheet.

Measurements are scheduled to be taken periodically in an attempt to determine a possible rate of movement or if the movement has ceased. Periodic monitoring of the bridge's movement will be determined, and this information will be forwarded.

SDS:ccj

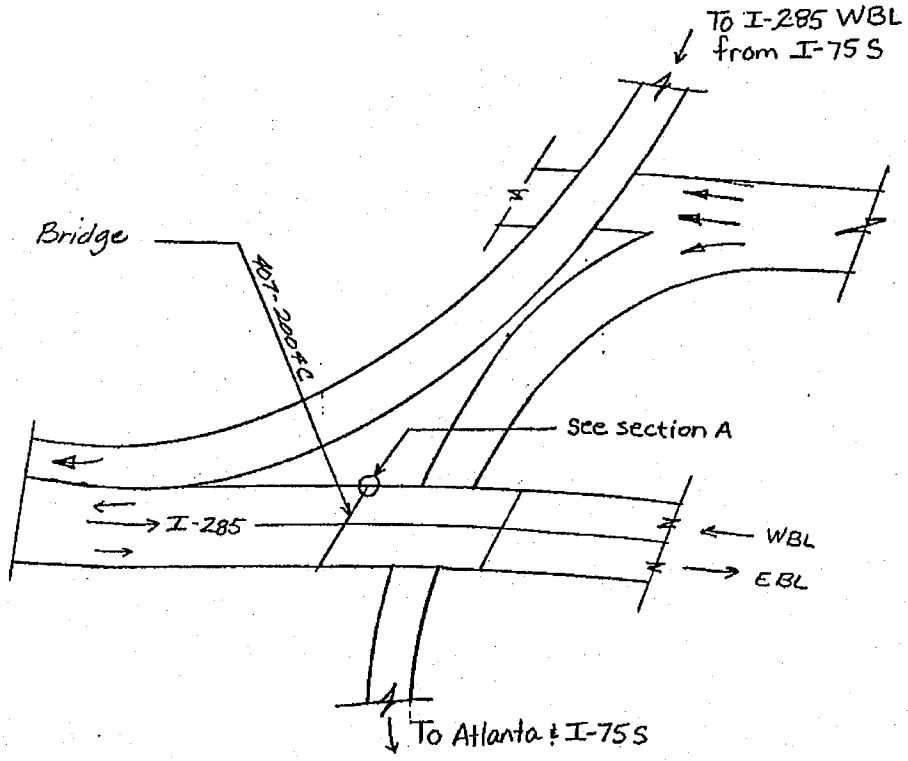
Distribution: Tom Stapler; Jimmy Vaughan; Warren Bailey

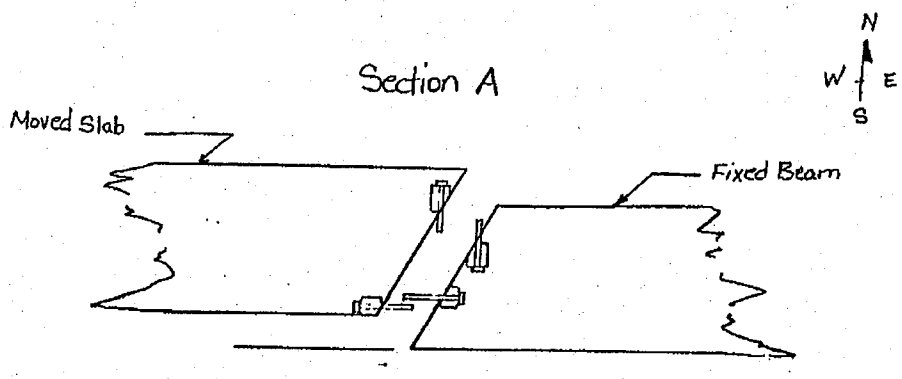
Data Sheet

Location	Measured Direction	Type	Temp.	Time	Inside Reading
Barrier Wall	Longitudinal	Stripped Pins	95°	2:10pm	.444
Barrier Wall	Transverse	Non-Stripped Pins	95°	2:13p.m.	4.478

Location	Measured Direction	Type	Temp.	Time	Reading
Underneath Bridge (End Wall)	Transverse	Brass Plate	91°	1:45p.m.	.331
Underneath Bridge (End Wall)	Longitudinal	Brass Plate	91°	1:47p.m.	.201
Underneath Bridge	Transverse	Dist. Betw. Beam #8 & Beam #9	91°	1:50p.m.	75.0cm

Instrumented Bridge for End Span Movement
July 1987





D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Copy

INTERDEPARTMENT CORRESPONDENCE

FILE Bridge I.D. 067-00407-020.04C
Bridge I.D. 067-00407-020.26C
Project #I-IR-285-1(135)86 Cobb Co.

OFFICE Atlanta

DATE November 28, 1983

FROM Stanley Lord, State Maintenance Engineer

TO Wendall B. Lawing, State Bridge and Structural Design Engineer

SUBJECT EXPANSION JOINT FAILURE

This is to request your assistance in designing replacement expansion joints for the above-mentioned structures. Attached is a map with the bridge locations marked. The original joints constructed in 1978 have failed and need to be replaced. Charles and Jimmy have discussed the replacement of these joints located at the end of span #1 and the beginning of span #3.

Please furnish joint design with a drainage system. Also, give us the cost for replacing the joint by contract and the cost for materials only.

If any additional information is needed, please contact Jimmy Vaughan of this office.

SL/JDV/ah

TO BRIAN SYMMERS

067-00407-02004C
BEARING MOVEMENT RECHECK
APPROXIMATELY SAME AS LAST INSPECTION

	BEAM 1	2	3	4	5	6	7	8
LT BR. SPAN 1	2¼ LT 2½ BK.	2 LT 2 BK	2 LT 2 BK	2 LT 2 BK	2 LT 1¾ BK	2 LT 1½ BK	2 LT 1¼ BK	1½ LT 1" BK
	0 LT ⅛ BK	0 LT. ⅛ FDW	0 LT. ¼ FDW	0 LT. ½ FDW	0 LT. ⅝ FDW	SAME	SAME	SAME

	9	10	11	12	13	14	15	16
RT BR SPAN 1	1¼ LT 1¾ BR	1¼ LT 1¼ BK.	1¼ LT 1¾ RT	1" LT 1½ BK	1" LT 1" RT	1¼ LT 1⅛ BK	1" LT ¾ BK	1" LT ⅜ BK
	SAME	SAME	SAME	SAME	SAME	SAME	SAME	0 LT 0 FDW

APPROX 78-82°

5-23-88
SM & WAH

1½" OPEN JT. AT ℄ OF BRIDGE

William A Hopkins
5-23-88

GEORGIA DEPARTMENT OF TRANSPORTATION

STATE MAINTAINED SYSTEM
BRIDGE CONDITION REPORT

DISTRICT : 7 Insp Area : 9

Bridge Inspector : D.HOGAN BDH D.MEALER Date : 04-95
Location ID # : 067-00407-02004C Over : I-285 RAMP
Structure ID # : 067-0100-0 County : COBB COUNTY

EVALUATION & DEFICIENCIES

Substructure : (Pile) Paint Code 0

ALL CONCRETE UNITS - CAPS AND COLUMNS - MINOR CRACKING IN BOTH ABUTMENT CAPS
MINOR SETTLEMENT UNDER BOTH ABUTMENTS EXPOSING "H" PILE
MINOR SECTION LOSS ON PILE - VOID IN SLOPE PAVEMENT AT ABUTMENT #1 (CBL)

Superstructure : Paint Code 3

3 SPAN CONCRETE AND STEEL - STEEL PAINTED IN 1978 - SPAN #1 & #3 COMBINATION STEEL BEAMS AND CONCRETE FLAT SLAB - MID-SPAN #1 & #3 BEARINGS HAVE SHIFTED CONCRETE SPAN SHIFTED IN SPAN #1 (2 1/4") TO THE LEFT - MOVEMENT APPEARS TO BE STABLE AT PRESENT - SPAN #3 ALL STEEL - MINOR CORROSION AND PAINT PEELING

Deck :

7 1/2" CONCRETE SLAB - MINOR CRACKS - ARMOR JOINT AT ABUTMENT #1 (CBL) & (CCBL) IS BROKEN - REQUIRES REPAIR - JOINTS ARE LEAKING

Component	Material	Condition Rating Description	Number	Load Cap.
Substructure	C	G-F	7	HS-20
Superstructure	S&C	F	6	HS-20
Deck	C	G-F	7	HS-20

Temporary Shored	
Yes	
No	***

Truck Type	Gross	H-Mod	HSMod	Tand.	3-S-2	Log	Piggy
Calculated Posting	-	20	25	28	40	36	40
Existing Posting	-	-	-	-	-	-	-

Posting Requirements	
Requires Closing	
Requires Posting	
Posting Not Req.	*

General Comments :

BUILT IN 1979 PROJECT # - I-IR-285-1 (135) B6

METAL S.I.P. DECK FORMS

GEORGIA DEPARTMENT OF TRANSPORTATION

STATE MAINTAINED SYSTEM
BRIDGE CONDITION REPORT

DISTRICT : 7 Insp Area : 9

Bridge Inspector : D.HOGAN BDH D.MEALER Date : 06-93
Location ID # : 067-00407-02004C Over : I-285 RAMP
Structure ID # : 067-0100-0 County : COBB COUNTY

EVALUATION & DEFICIENCIES

Substructure : (Pile) Paint Code 0

ALL CONCRETE UNITS - CAPS AND COLUMNS - MINOR CRACKS IN BOTH ABUTMENT CAPS.
MINOR SETTLEMENT UNDER BOTH ABUTMENTS EXPOSING "H" PILE.
MINOR SECTION LOSS ON PILE.

Superstructure : Paint Code 2

3 SPAN CONCRETE AND STEEL - STEEL PAINTED IN 1978. - SPAN 1&3 COMBINATION STEEL BEAM AND CONCRETE FLAT SLAB.MID-SPAN #1&3 BEARINGS HAVE SHIFTED CONCRETE SPAN SHIFTED IN SPAN #1 2 1/4" TO THE LEFT - MOVEMENT APPEARS TO BE STABLE AT PRESENT. SPAN #3 ALL STEEL - MINOR CORROSION AND PAINT PEELING.

Deck :

7 1/2" CONCRETE SLAB - MINOR CRACKS.
ARMOR JOINT AT ABUTMENT #1 (EBL) BROKEN. - JOINTS BEGING TO LEAK.

Component	Material	Condition Rating Description	Number	Load Cap.
Substructure	C	G-F	7	HS-20
Superstructure	S&C	F	6	HS-20
Deck	C	G-F	7	HS-20

Temporary Shored	
Yes	
No	***

Truck Type	Gross	H-Mod	HSMod	Tand.	3-S-2	Log	Piggy
Calculated Posting	-	20	25	28	40	36	40
Existing Posting	-	-	-	-	-	-	-

Posting Requirements	
Requires Closing	
Requires Posting	
Posting Not Req.	*

General Comments :

BUILT IN 1979 PROJECT # I-IR-285-1 (135) 86

METAL S.I.F. DECK FORMS

GEORGIA DEPARTMENT OF TRANSPORTATION

STATE MAINTAINED SYSTEM
BRIDGE CONDITION REPORT

District : 7 Insp Area : 9

Bridge Inspector : JMC- BDH Date : 5-91
Location ID # : 067-00407-02004C Over : 401R- CCBL TO I-75 S
Structure ID # : 067.0100-0 County : COBB

EVALUATION & DEFICIENCIES

Substructure : (Pile) Paint Code

ALL CONC. UNITS.

MINOR CRACKS & SCOUR AT BOTH ABUTS

Superstructure : Paint Code 2

3 SPAN CONC. & STEEL

SPAN 1 & 3 COMBINATION STEEL BEAM & CONC. FLAT SLAB.
* "SEE NOTES BELOW"
SPAN 3 ALL STEEL
MINOR CORROSION & PAINT PEALINL.

Deck :

CONC.

MINOR CRACKS.
ARMOR JOINT AT ABUT. 1 EBL BROKEN.
JOINTS BEG. TO LEAK.

~~Culvert:~~ # of Barrels Size

* NOTES: MID-SPAN AT 1 & 3 BEARINGS HAVE SHIFTED & CONC. SPAN SHIFTED IN SPAN 1. SEE PREVIOUS REPORT FOR MEASUREMENTS & BEARING MOVEMENT. (SAME AS LAST INSP.)

Component	Material	Condition Rating Description	Condition Rating Number	Load Cap.
Substructure	C	GOOD	7	HS-20
Superstructure	S & C	SAT.	6	HS-20
Deck	C	GOOD	7	HS-20

Temporary Shored	
Yes	
No	✓

Truck Type	Gross	H-Mod	HSMod	Tand.	3-S-2	Log	Piggy
Calculated Posting		20	25	28	40	36	40
Existing Posting	NONE						

Posting Requirements	
Requires Closing	
Requires Posting	
Posting Not Req.	✓

General Comments:

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7

FROM: DALE HOGAN - DANNY MEALER BRIDGE INSPECTOR
TO: GENERAL OFFICE ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407
OVER 407A (CCBL TO 75S) IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER																	
CO. NO.			ROUTE NO.				DO	ODOMETER					OR			CH	
1		3	4			8	9	10				14	15	16	17	18	
0	6	7	0	0	4	0	7		0	2	0	0	4	C			C

Serial No. 067-0100-0

ITEM NO.	UNITS	REQ'D WORK (19–23)	P (24)	DATE REPORTED (25–28)	LOCATION	DATE COMPLETE (29–32)	CARD (33–34)	INT.
204	BAGS						01	
402	NUB. INST.						02	
406	MAN-HRS.						03	
404	LIN. FT.						04	
610	MAN-HRS.						05	
612	LIN. FT.						06	
800	LIN. FT.						07	
802	LIN. FT.						08	
804	LIN. FT.						09	
806	SQ. FT.						10	
808	LIN. FT.						11	
810	MAN-HRS.						12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
801	LIN. FT.						16	
820	MAN-HRS.						17	
822	GAL.PAINT						18	
824	GAL.PAINT						19	
830	MAN-HRS.	00040	B	0495	FILL VOID UNDER SLOPE PAVEMENT AT ABUT #1 (CBL)		20	
912	MAN-HRS.						21	

COMMENTS:

UPON REPAIR OF ANY OF THE NOTED DEFICIENCIES, PLEASE COMPLETE THIS FORM AND RETURN TO THE GENERAL OFFICE, ROOM 284, FOR FURTHER PROCESSING.

P=PRIORITY CODE
A=REPAIR REQUIRING IMMEDIATE ACTION
B=REPAIR REQUIRING SCHEDULING
C=PREVENTATIVE MAINTENANCE

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7

FROM: JMC-BDH BRIDGE INSPECTOR
TO: LARRY SEABROOK ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407
OVER 407R (CCBL TO 75 S) IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER															
CO. NO.			ROUTE NO.			DO	ODOMETER					OR	[illegible]		CH
1		9	4		8	9	10				14	15	16	17	18
0	6	7	0	0	4	0	7		0	2	0	0	4	C	C

Serial No. 067-0100-0

ITEM NO.	UNITS	REQ'D WORK (19–25)	P (24)	DATE REPORTED (26–30)	LOCATION	DATE COMPLETE (20–92)	CARD (93 94)	INT.
204	BAGS						01	
402	NUB. INST.						02	
406	MAN-HRS.						03	
404	LIN. FT.						04	
610	MAN-HRS.						05	
612	LIN. FT.						06	
800	LIN. FT.						07	
802	LIN. FT.	00010	B	0591	ARMOR JOINT BROKE LOOSE AT MID-SPAN #1		08	
804	LIN. FT.						09	
806	SQ. FT.						10	
808	LIN. FT.	00010	B	0487	BARRIER WALL OUT OF ALIGNMENT AND INTO TRAFFIC. ABUT. 1		11	
810	MAN-HRS.						12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
801	LIN. FT.						16	
820	MAN-HRS.	00080	B	0487	REPOSITION BEARINGS AT MID-SPAN 1 - (SHIFTED 1-2")		17	
822	GAL.PAINT						18	
824	GAL.PAINT						19	
830	MAN-HRS.						20	
912	MAN-HRS.						21	

COMMENTS:

UPON REPAIR OF ANY OF THE NOTED DEFICIENCIES, PLEASE COMPLETE THIS FORM AND RETURN TO THE GENERAL OFFICE, ROOM 284, FOR FURTHER PROCESSING.

P=PRIORITY CODE
A=REPAIR REQUIRING IMMEDIATE ACTION
B=REPAIR REQUIRING SCHEDULING
C=PREVENTATIVE MAINTENANCE

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7 6-27-89

FROM: William a Hopkins BRIDGE INSPECTOR
TO: LARRY SEABROOK ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407 (I-285)
OVER RAMP I-285-CCBL TO I-75 SB IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER																			
CO. NO.			ROUTE NO.						DIR	COORDINATE						DR 15	PARA 16	17	CN 18
1		3	4					9	10					14					
0	6	7	0	0	4	0	7		0	2	0	0	4	C					C

Serial No. 067-0100-0

ITEM NO.	UNITS	REQ'D WORK (19–29)	P (34)	DATE REPORTED (35–39)	LOCATION	DATE COMPLETE (80–92)	CARD (93–94)	INT.
204	BAGS						01	
402	NUB. INST.						02	
406	MAN-HRS.						03	
404	LIN. FT.						04	
610	MAN-HRS.						05	
612	LIN. FT.						06	
800	LIN. FT.						07	
802	LIN. FT.						08	
804	LIN. FT.						09	
806	SQ. FT.						10	
808	LIN. FT.				(SAME)		11	
810	MAN-HRS.				~~(SAME)~~		12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
801	LIN. FT.	00216C0689			ABUT #1 + 4 STARTING TO LEAK (SILICONE)		16	
820	MAN-HRS.				(SAME) SEE PREVIOUS REPORT		17	
822	GAL.PAINT						18	
824	GAL.PAINT						19	
830	MAN-HRS.						20	
912	MAN-HRS.						21	

COMMENTS: C-S-C BUILT IN 1978
APPROACH SLAB ABUT #1 SAGGED 1" TO 2½" +
LANE # 1 + 2 IS OVERLAYED • CAUSED BY SETTLEMENT
NOTE: BEARINGS @ SPAN # 1 + 3 IS
APPROXIMATELY SAME AS LAST INSPECTION.
17'11" 17'06" 17'00"
(SOUTH)

UPON REPAIR OF ANY OF THE NOTED DEFICIENCIES, PLEASE COMPLETE THIS FORM AND RETURN TO THE GENERAL OFFICE, ROOM 284, FOR FURTHER PROCESSING.

P=PRIORITY CODE
A=REPAIR REQUIRING IMMEDIATE ACTION
B=REPAIR REQUIRING SCHEDULING
C=PREVENTATIVE MAINTENANCE

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7 07-02-87

FROM: WILLIAM A. HOPKINS BRIDGE INSPECTOR
TO: BERRY McWHORTER ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407 (I-285)
OVER RAMP I-285 CCBL TO I-75 SBL IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER																	
CO. NO.		ROUTE NO.					DO	DOOMETER					DO	B.CODE		CN	
1	3	4				8	9	10				14	15	16	17	18	
0	6	7	0	0	4	0	7		0	2	0	0	4	C			C

SERIAL # 067-0100-0

ITEM NO.	UNITS	REQ'D WORK (18–29)	P (34)	DATE REPORTED (35–40)	LOCATION	DATE COMPLETE (98)	CARD (33–34)	INT.
204	SQ.YD/SLAB						01	
402	LIN.FT.						02	
406	MAN-HRS.						03	
510	MAN-HRS.						04	
610	MAN-HRS.						05	
612	LIN FT.						06	
800	LIN FT.						07	
802	~~LIN~~ FT.						08	
804	LIN FT.						09	
806	SQ FT.						10	
808	LIN FT.				(SAME)		11	
810	EACH				~~(SAME)~~		12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
818	MAN-HRS.						16	
820	MAN-HRS.						17	
822	GAL. PAINT						18	
824	GAL. PAINT						19	
830	MAN-HRS.	00056E		0787	(SEE COMMENTS BELOW)		20	
912	MAN-HRS.						21	

COMMENTS: C-S-C BUILT IN 1978 NOTE: SPAN # 1+3 IS ½ CONC. FLAT SLAB + STEEL WITH SHOE BEARINGS @ MID SPAN. BEARINGS HAS SHIFTED FROM 1" TO 2" SPAN #1. SPAN # 3 FROM 0" TO ⅞". SPAN # 2 IS ALL STEEL BEAMS. CONT @ BT. # 2+3.

*NOTE: TRASH UNDERNEATH NEEDS REMOVING TO PREVENT FIRE SPAN # 1+3

UPON REPAIR OF ANY OF THE NOTED DEFICIENCIES, PLEASE COMPLETE THIS FORM AND RETURN TO THE GENERAL OFFICE, ROOM 284, FOR FURTHER PROCESSING. ABUTMENT #1 APPROACH SLAB HAS 1" SAG PROBABLY * CAUSED BY SETTLEMENT.

P=PRIORITY CODE
A=REPAIR REQUIRING IMMEDIATE ACTION
B=REPAIR REQUIRING SCHEDULING
C=PREVENTATIVE MAINTENANCE

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7 4-07-87 WAH

FROM: WILLIAM A. HOPKINS BRIDGE INSPECTOR
TO: BERRY MCWHORTER ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407 (I-285)
OVER RAMP I-285 CCBL TO I-75 SBL IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER																	
CO. NO.			ROUTE NO.				DG		GOOMETER					QR			CH
1	9		4			8	9	10				14	15	16	17	18
0	6	7	0	0	4	0	7		0	2	0	0	4	C			C

SERIAL # 067-0100-0

ITEM NO.	UNITS	REQ'D WORK (18–23)	P (24)	DATE REPORTED (25–28)	LOCATION	DATE COMPLETE (29–32)	CARD (33–34)	INT.
204	SQ.YD/SLAB						01	
402	LIN.FT.						02	
406	MAN-HRS.						03	
510	MAN-HRS.						04	
610	MAN-HRS.						05	
612	LIN FT.						06	
800	LIN FT.						07	
802	LIN FT.						08	
804	LIN FT.						09	
806	SQ FT.					0487	10	WAH
808	LIN FT.	00010	B	0487	ADJUST OR GRING BARRIER WALS TO MATCH AT ABUT #1 1" TO 2" OUT OF ALIGNMENT CAR COULD HANG		11	
810	EACH	00002	C	0487	SEAL VOIDS UNDER CAPS H-PILES EXPOSED		12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
818	MAN-HRS.						16	
* 820	MAN-HRS.	00112	B	0487	REPOSITION BEARINGS @ MID SPAN #1 SHIFTED FROM 1" TO 2" LT. & BK. (SEE PHOTO)		17	
822	GAL. PAINT						18	
824	GAL. PAINT						19	
830	MAN-HRS.						20	
912	MAN-HRS.						21	

COMMENTS: C-S-C BUILT 1978
*NOTE! SPAN #1 & 3 (1/2) CONC FLAT SLAB & STEEL WITH SHOE BEARINGS. BEARINGS HAS SHIFTED FROM 1" TO 2" SPAN #1
SPAN #3 FROM 0" TO 7/8"
SPAN #2 IS ALL STEEL BEAMS CONTINUOUS @ BT. # 2 & 3.

UPON REPAIR OF ANY OF THE NOTED DEFICIENCIES, PLEASE COMPLETE THIS FORM AND RETURN TO THE GENERAL OFFICE, ROOM 284, FOR FURTHER, PROCESSING.

P=PRIORITY CODE
A=REPAIR REQUIRING IMMEDIATE ACTION
B=REPAIR REQUIRING SCHEDULING
C=PREVENTATIVE MAINTENANCE

SAME DESIGN AS 067-00407-02026C

067-00407-02004C 4-07-87

MOVEMENT IN BEARINGS 7"X 11" BEARING AREA.

	BEAM #1	#2	#3	#4	#5	#6	#7	#8
LT. BRIDGE SPAN #1	2" LT. 2" BK.	2" LT. 2" BK.	2" LT. 2" BK.	2" LT. 2" BK.	2" LT. 1 3/4 BK.	2" LT. 1 3/4 BK	2" LT. 1 1/2" BK.	1 1/2" LT 1 1/4" BK
LT. BRIDGE SPAN #3	0" LT. 0" BK	0" LT. 1/4" FWD.	0" LT. 1/2" FWD	0" LT. 5/8" FWD	0" LT. 3/4" FWD	0" LT. 7/8" FWD	0" LT. 7/8" FWD	0" LT 7/8" FWD
RT. BRIDGE	BEAM #9	#10	#11	#12	#13	#14	#15	#16
RT. BR. SPAN #1	1" LT. 2" BK.	1" LT. 1 1/2" BK.	1 1/4" LT. 1 3/4 BK	1" LT. 1 1/2" BK.	1" LT. 1 1/4" BK.	1 1/4" LT. 1 1/4" BK.	1" LT. 1" BK	1" LT 5/8" BK
RT. BR. SPAN #3	0" LT ← FWD	0" LT. VARIES	0" LT. FROM	0" LT. 0" TO	0" LT 1/4"	0" LT →	0" LT	0" LT.

NOTE: BEARINGS FIXED @ BT. #3

BT. #2 HAS ROLLER BEARINGS, STILL IN POSITION NO NOTICIBLE MOVEMENT.

07-02-87 WAS MET WITH MR JIMMY VAUGHN + RICK DEAVERS FROM FOREST PARK LAB.

CHECKED BEARINGS + DECIDED MOVEMENT WAS CAUSED BY END FILL SETTLEMENT PROBABLY CAUSED BY ADDITIONAL RAMP FILL. AND SEEMS TOO BE STABLE AT PRESENT. JOINT @ ~~BT.~~ SPAN #3 IS 3".
JOINT @ ~~BT.~~ SPAN #1 IS 4" TO 4 5/8"

NOTE: LAB IS GOING TO ATTACH A MONITERING DEVICE TO BRIDGE TOO MONITOR MOVEMENT.

MR JIMMY VAUGHN SAID TO LEAVE ON A 2 YEAR INSPECTION SCHEDULE.

GEORGIA DEPARTMENT OF TRANSPORTATION
BRIDGE DEFICIENCY REPORT - DISTRICT: 7

FROM: W.A. HOPKINS BRIDGE INSPECTOR 04-85 [illegible]
TO: BERRY MC WHORTER ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON STATE ROUTE NO. 407 (I-285)
OVER RAMP I-285 CCBL TO I-75 SBL IN COBB COUNTY.

BRIDGE IDENTIFICATION NUMBER																		
CO. NO.			ROUTE NO.				DO	ODOMETER					OR	P.CODE		CH	
1		3	4			6	9	10				14	15	16	17	18	
0	6	7	0	0	4	0	7		0	2	0	0	4	C			C

ITEM NO.	UNITS	REQ'D WORK (18–23)	P (24)	DATE REPORTED (25–28)	LOCATION	DATE COMPLETE (29–32)	CARD (33–34)	INT.
204	SQ.YD/SLAB						01	
402	LIN.FT.						02	
406	MAN-HRS.						03	
510	MAN-HRS.						04	
610	MAN-HRS.						05	
612	LIN FT.						06	
800	LIN FT.						07	
802	LIN FT.	00100	B	0485	ARMOR JOINT RUBBER SEAL TORN EBL + WBL	0386	08	J.H.H.
804	LIN FT.						09	
806	SQ FT.	00010	B	0485	SPALLED CONC @ JOINTS PREVIOUSLEY PATCHED (CONC)		10	
808	LIN FT.						11	
810	EACH						12	
812	MAN-HRS.						13	
814	MAN-HRS.						14	
816	NO. PILES						15	
818	MAN-HRS.						16	
820	MAN-HRS.						17	
822	GAL. PAINT						18	
824	GAL. PAINT						19	
830	MAN-HRS.						20	
912	MAN-HRS.						21	

COMMENTS: UNDER CONTRACT

UPON REPAIR OF ANY OF THE NOTED [illegible]

P=PRIORITY CODE
[illegible]-REPAIR REQUIRING IMMEDIATE ACTION

Dist. No. 7

D.O.T. 441-Front
Rev. 1-74

BRIDGE PROJECT DATA SHEET

Bridge Inventory ID No. 067-407

( )Wid ( )Repl (x)New Loc

067-00407-020.04C
020.26C
020.17C

JP
JC
LY

Project No. & County: I-IR-285-1 (135) 86 COBB

ALL pulled

Location: Interstate 285, Atlanta Circumferential, I 75 to Rottenwood Cr.

LET UNDER 72 SPECS

	SITE DESIGNATION	W B	HJL	DESCRIPTION HS 20	900	Cur	SKCur	SKTan	Metal	LGTH
1L,1R	I 285/Ramp D (2)	P,C,D,S		Slab, CPG/20,24½-123-24½,20/55½B/CBts, HP (Ea.)				X		212'
				1L & 1R Superstruct: Cantilever Type Const.						
2L,2R	I 285/I 75 (2)	P,C,D,S		CW,PG/75-1/3,93-93,60-2/3/55½B/CBts,HP (Ea.)			X			322'
3L,3R	I 285/Ramp B (2)	P,C,D,S,A		Slab,CPG/20,41½-207-41½,20/55½B/CBts,HP (Ea.)				X	X	330'
				3L,3R Superstruct: Cantilever type Const.						
4L,4R	I 285/Rottenwood Cr. (2)	P,C,D,S		CW,PG/93-117,93/55½B/D-I-P Caisson Piers, HP (Ea.)			X			303'
	067-00407-02041C									
	105 501.08									
	106 511			Spec. Prov: Bridge Deck Jt. Seals						
	109 520			Spec. Prov: Protect. Platforms						
	206 535			Spec. Prov: 544 Deck Drain System						
	442,833 851			Spec. Prov: Drilled-in-Place Caisson Piers						
	500,836 870			Spec. Prov.: Mod. of Spec. Prov. D-I-P						
	501.03.A.4 886			Caisson Piers						
	501.05									
	501.06									

CONTRACTOR: Marietta, Ga.	ENGINEER: Atlanta ,GA.
C. W. Matthews Contracting Co., Inc.	Larry D. Cameron, ADE

BID PRICE TOTAL PROJECT: $ 8,197,749.34
BID PRICE BRIDGE: $4,100,844.90
DATE OF LETTING: 2-25-77
DATE CONSTRUCTION AUTH: 3-23-77
DATE PROJECT BEGAN:
TIME LIMIT: 8-15-78 Comp. Date
DATA ON BRIDGE DIV. INSPECTION: PARTIAL ACCEPTANCE 28 APR '81. EXCLUDES SHOULDER & SLOPES IN AREA OF STA 636+40 WBL OUTSIDE. FINAL ACCEPTANCE: 6 OCT '80.

FOR FIELD DIV. NOTATION AND FOLLOW-UP:
- ☐ Bridge Geometry Computer-Processed?
- ☐ All TP, Load Test Data Submitted?
- ☐ "As-Built" Found. Data DOT 499 Submitted?
- ☐ Opening to Traffic Reported to SHBE?
- ☐ All Noted Inspection Items Completed?
- ☐ "As-Built" Vert. Clear. Submitted?
- ☐ Bench Mark Elev. & Location Submitted?
- ☐ Yr. Built Reported to SHBE for Inventory?

DISTRIBUTION:
- ☐ SHBE
- ☑ ASHBE-Adm
- ☐ ASHBE-Const (3 Copies)
- ☐ Welding Consultant
- ☐ Inventory Control
- ☐ Maintenance
- ☐ FHWA (Bridge Engr)
- ☐ LAB (DAM)
- ☐ BJW

ORIGINAL TO FIELD

Maint. Acceptance
Final Acceptance

MAINTENANCE MANAGEMENT SYSTEM
BRIDGE COST REPORT
JULY 1, 1988 - JUNE 30, 1989

BRIDGE	CTY	ROUTE	BMP	EMP
06701000	067		0.0	0.0

ACT	ACTIVITY NAME	AMOUNT	UNIT	DATE			DAILY COST
610	TRAFFIC ACCIDENT REPAIR	36.0	MAN HOURS	1	31	89	$514.00
610	TRAFFIC ACCIDENT REPAIR	40.0	MAN HOURS	2	1	89	$542.00

TOTAL REPAIR COSTS FOR MAINTENANCE OF BRIDGE # 06701000 DURING FY 1988 - 1989 $1056.00

067-00407-020.04C

MAINTENANCE MANAGEMENT SYSTEM
BRIDGE COST REPORT
JULY 1, 1987 - JUNE 30, 1988

BRIDGE	CTY	ROUTE	BMP	EMP
06701000	067	040700	0.1	0.3

ACT	ACTIVITY NAME	AMOUNT	UNIT	DATE			DAILY COST
800	BRIDGE JOINT SEAL SILICONE	140.0	LIN FEET	7	9	87	$977.00

TOTAL REPAIR COSTS FOR MAINTENANCE OF BRIDGE # 06701000 DURING FY 1987 - 1988 $977.00

067-00407-020.04e