# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

**Structure ID:** 067-0140-0 **Cobb County** SUFF. RATING: 98.2

## Location & Geography

* Structure I.D. No.: 067-0140-0
200 Bridge Information: 07

* 6A Feature Int.: I-75
* 6B Critical Bridge: 0
* 7A Route Number Carried: CR04399
* 7B Facility Carried: HICKORY GROVE ROAD
* 9 Location: 2.8 MI NORTH OF KENNESAW
2 DOT District: 7
207 Year Photo: 1997

* 91 Inspection Frequency: 24 Date: 08/01/1997
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: 4
Designator: 1
Number: 04399
Direction: 0

* 16 Latitude: 34-03.9
* 17 Longitude: 84 -36.5

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

* 100 Defense Highway: 0
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 001.72

* 208 Inspection Area: 09 Initials: BDH

* Location I.D. No: 067-04399X-001.72E
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 0
* 26 Functional Classification: 19
* 204 Federal Route Type: No: 00000
* 110 Truck Route: 0
206 School Bus Route: 1
217 Benchmark Elevation: 0.00
218 Datum:
* 19 Bypass Length: 4
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 6
37 Historical Significance: 5
205 Congressional District: 06
* 27 Year Constructed: 1977
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 30
35 Structure Flared: 0
38 Navigation Control: N
213 Special Steel Design: 0
267 Type of Paint: 5

* 42 Type Service On: 1
Under: 1
214 Movable Bridge: 00
203 Type Bridge: Z-O-M-O
259 Pile Encasement: 3
* 43 Structure Type Main: 4 02
45 No. Spans Main: 002
44 Structure Type Appr: 3 3
46 No. Spans Appr: 0002
226 Bridge Curve Horz: 0 Vert: 1
111 Pier Protection: 0
107 Deck Structure Type: 1

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

## Signs & Attachments

223 Expansion Joint Type: 03
242 Deck Drains: 0

243 Parapet Location: 3
Height: 2
Width: 1.1

238 Curb: 0.0 0
239 Handrail: 7 7
* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 3
Fwrd: 3
Oppo Dir Rear: 0
Fwrd: 0

244 Approach Slab: 3
224 Retaining Wall: 0

233 Posted Speed Limit: 35
236 Warning Sign: 0
234 Delineator: 0
235 Hazard Boards: 0

237 Utilities Gas: 21
Water: 22
Electric:
Telephone: 22
Sewer:

247 Lighting Street: 0
Navigation: 0
Aerial: 0

* 248 County Continuity No: 00

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

**Structure ID:** 067-0140-0 **Cobb County** SUFF. RATING: 98.2

## Programming Data

| | | |
|---|---|---|
| 201 | Project No: | I-75-3 (40) 284 CT.2 |
| 202 | Plans Available: | 1 |
| 249 | Prop. Proj No: | |
| 250 | Approval Status: | 0 0 |
| 251 | P.I. No: | 000000 |
| 252 | Contract Date: | 0000 |
| 260 | Seismic No: | 00000 |
| 75 | Type Work: | |
| 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: | 006900 Year: 2017 |

## 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: | |
| | 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: 067-04399X-001.72E
* XReferen I.D. No: 000-000000-000.000

## Measurements

| | | |
|---|---|---|
| * 29 | ADT: | 004600 Year: 1997 |
| 109 | % Trucks: | 2 |
| * 28 | Lanes On: | 02 Under: 08 |
| 210 | No. Tracks On: | 00 Under: 00 |
| * 48 | Max. Span Length: | 0148 |
| * 49 | Structure Length: | 421 |
| 51 | Br. Rdwy. Width: | 44.0 |
| 52 | Deck Width: | 46.6 |
| * 47 | Tot. Horz. Cl: | 44.0 |
| 50 | Curb/Sdewlk Width: | 0.0/0.0 |
| 32 | Approach Rdwy Width: | 024 |
| * 229 | Shlder Width: | |
| | Rear Lt: 10.0 | Type: 8 Rt: 10.0 |
| | Fwrd Lt: 10.0 | Type: 8 Rt: 10.0 |
| | Pvment Width: | |
| | Rear: 24.0 | Type: 2 |
| | Fwrd: 24.0 | Type: 2 |
| | Intersection Rear: 0 | Fwrd: 0 |
| 36 | Safety Features Br. Rail: | 2 |
| | Transition: | 2 |
| | App. G. Rail: | 1 |
| | App. Rail End: | 1 |
| 53 | Minimum Cl. Over: | 99' 99" |
| | Under: H | 16' 02" |
| * 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 33.2 |
| 56 | Lateral Undercl. Lt: | 29.7 |
| * 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: | 7.5 |
| 246 | Overlay Thickness: | 0.0 |
| 211 | Tons Structural Steel: | 0.0 |
| 212 | Year Last Painted: | Sup: 1997 Sub: 0000 |

## Ratings

| | | |
|---|---|---|
| 66 | Inventory Type: | 2 Rating: 36 |
| 64 | Operating Type: | 2 Rating: 51 |
| 231 | Calculated Loads | |
| | H-Modified: | 20 0 |
| | HS-Modified: | 25 0 |
| | Type 3: | 28 0 |
| | Type 3s2: | 40 0 |
| | Timber: | 36 0 |
| | Piggyback: | 00 0 |
| 261 | H Inventory Rating: | 20 |
| 262 | H Operating Rating: | 28 |
| 67 | Structural Evaluation: | 7 |
| 58 | Deck Condition: | 7 |
| 59 | Superstructure Condition: | 8 |
| * 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: | 7 |
| 69 | UnderClr. Horz/Vert: | 5 |
| 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 |

067-0140-0

13

# BRIDGE FOUNDATION INVESTIGATION
## I-75-3 (40) 284 COBB COUNTY
## HICKORY GROVE ROAD OVER I-75
## REVISION

1. Location - This structure is to be located approximately one and six-tenths (1.6) mile north of Kennesaw, Georgia. It will be geologically sited in a hornblende gneiss formation of the upper Piedmont Region.

2. Subsurface Conditions - Soils present consist chiefly of medium dense to dense sandy silt underlain by very dense weathered rock. The ground water table was located between elevations 1103 and 1105 during this investigation. For other pertinent details refer to the attached boring logs and subsurface profile.

3. End Bent Foundations - Spread footings are suitable foundation for the end bents. These footings may be founded on medium dense to dense soil with a maximum safe design pressure of 2 TSF as follows:

Bent 1 1128 or below
Bent 5 1124 or below

These footings will be located above the ground water table, but footings should not be allowed to stand open. A minimum 4' berm and 2' of cover should be provided for these footings.

4. Intermediate Bent Foundations - Spread footings are suitable foundations for the intermediate bents. These footings may be founded on medium dense to dense soil as follows:

| BENT | FOOTING | FOOTING ELEV. | MAX. SAFE DESIGN PRES. |
|---|---|---|---|
| 2 | A11 | 1103 | 1.5 TSF |
| 3 | A11 | 1104 | 2.0 TSF |
| 4 | A11 | 1102 | 1.5 TSF |

These footings will be near or below the ground water table; consequently, good drainage will be needed during construction. Pumping from the footing area itself should not be allowed and no footing excavation should be allowed to stand open.

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BRIDGE FOUNDATION INVESTIGATION
I-75-3 (40) 284, COBB COUNTY
HICKORY GROVE ROAD OVER I-75
REVISION
Page 2

5. Alternate Intermediate Bent Foundation Design - Pile footings using steel "H" piles are also suitable foundations for the intermediate bents. Maximum design loads recommended for "H" piles here will be 55 tons for BP 42 piles and 70 tons for BP 53 piles. Estimated tip elevation for maximum loads given and minimum tip elevations are as follows:

| BENT | FOOTING | MIN. TIP ELEV. | EST. TIP ELEV. |
|---|---|---|---|
| 2 | A11 | 1090 | 1064 |
| 3 | A11 | 1090 | 1067 |
| 4 | A11 | 1090 | 1086 |

PDO for all intermediate bent piles should be practical refusal after a minimum tip elevation of 1090 is achieved.

6. Danger From Fill Settlement - None.

Reported By: James C. Kilgore
CE III

Checked By: David A. Mitchell
Soils Engineer

DAM/JCK/bh

February 8, 1973

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HLD.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY Cobb DATE 10-3-72

LOCATION Hickory Grove Rd. over I-75 BORING NO. 1

BENT NO. 1 FOOTING Lt. Offset 5' Lt. GROUND ELEV. 1140.86

PROPOSED FOOTING ELEV. 1134.4 ± pile cutoff PARTY CHIEF Pulliam

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ∅ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GR. EL. | | | | | | | | | | | | | | |
| 1140 | | | | | | | | | | | | | | | |
| | MED. DSE. | | | | | | | | | | | | | | |
| | | 15 | 21 | | | | | | | | | | | | |
| | MLTC. MICAS. | 25 | 18 | | | | | | | | | | | | |
| 1130 | | 35 | 24 | | | | | | | | | | | | |
| | SANDY SILT | 45 | 23 | | | | | | | | | | | | |
| | | 55 | 25 | | | | | | | | | | | | |
| 1120 | DSE. SAME | 65 | 33 | | | | | | | | | | | | |
| | | 75 | 18 | | | | | | | | | | | | |
| | MED. DSE. | | | | | | | | | | | | | | |
| 1110 | MLTC. MICAS. | 85 | 24 | | | | | | | | | | | | |
| | SANDY SILT | 95 | 22 | | | | | | | | | | | | |
| 1100 | DSE. SAME | 105 | 37 | | | | | | | | | | | | |
| | CONT'D | | | | | | | | | | | | | | |
| 1090 | | | | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT _____ COUNTY _____ DATE _____

LOCATION _____ BORING NO. 1 cont'd

BENT NO. _____ FOOTING _____ GROUND ELEV. _____

PROPOSED FOOTING ELEV. _____ PARTY CHIEF _____

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ϕ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1100 | | | | | | | | | | | | | | | |
| | MED. DSE. | 115 | 23 | | | | | | | | | | | | |
| 1090 | MLTC. MICAS. | 125 | 19 | | | | | | | | | | | | |
| | SANDY SILT | 135 | 18 | | | | | | | | | | | | |
| 1080 | | 145 | 32 | | | | | | | | | | | | |
| | DENSE | 155 | 43 | | | | | | | | | | | | |
| | MLTC. MICAS, | | | | | | | | | | | | | | |
| 1070 | SANDY SILT | 165 | 32 | | | | | | | | | | | | |
| | VERY DSE, SAME | 175 | 53 | | | | | | | | | | | | |
| | END DRILLING | | | | | | | | | | | | | | |
| 1060 | | | | | | | | | | | | | | | |

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# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY COBB DATE 10-7-72

LOCATION Hickory Grove Rd. over I-75 BORING NO. 1A

BENT NO. 2 FOOTING Rt. End Abutment GROUND ELEV. 1141.46

PROPOSED FOOTING ELEV. 1115.80 PARTY CHIEF Pulliam

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ϕ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GR. EL. | | | | | | | | | | | | | | |
| 1140 | | | | | | | | | | | | | | | |
| | MED. DSE. | 15 | 24 | | | | | | | | | | | | |
| 1130 | | 25 | 24 | | | | | | | | | | | | |
| | MLTC. MICAS | 35 | 23 | | | | | | | | | | | | |
| | | 45 | 23 | | | | | | | | | | | | |
| 1120 | SANDY SILT | | | | | | | | | | | | | | |
| | | 55 | 18 | | | | | | | | | | | | |
| | | 65 | 19 | | | | | | | | | | | | |
| | | 75 | 22 | | | | | | | | | | | | |
| 1110 | | 85 | 27 | | | | | | | | | | | | |
| G.W.T. | DENSE | 95 | 26 | | | | | | | | | | | | |
| | SAME | | | | | | | | | | | | | | |
| | MED. DSE. | 105 | 21 | | | | | | | | | | | | |
| 1100 | MLTC. MICAS, | 115 | 20 | | | | | | | | | | | | |
| | SANDY SILT | | | | | | | | | | | | | | |
| | | 125 | 40 | | | | | | | | | | | | |
| 1090 | | | | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT_____ COUNTY_____ DATE_____

LOCATION_____ BORING NO. 1A cont'd

BENT NO. _____ FOOTING_____ GROUND ELEV._____

PROPOSED FOOTING ELEV. _____ PARTY CHIEF _____

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | $\gamma$ | Gs | C. | $\phi$ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1190 | | | | | | | | | | | | | | | |
| | | 135 | 33 | | | | | | | | | | | | |
| | DENSE | | | | | | | | | | | | | | |
| | | 145 | 36 | | | | | | | | | | | | |
| 1180 | | | | | | | | | | | | | | | |
| | MLTC. MICAS. | 155 | 43 | | | | | | | | | | | | |
| | | 165 | 31 | | | | | | | | | | | | |
| 1170 | SANDY SILT | | | | | | | | | | | | | | |
| | | 175 | 40 | | | | | | | | | | | | |
| | VERY DSE. SAME | 185 | 60=.9' | | | | | | | | | | | | |
| 1160 | END DRILLING | | | | | | | | | | | | | | |

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# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY COBB DATE 10-4-73

LOCATION Hickory Grove Rd. over I-75 BORING NO. 2

BENT NO. 3 FOOTING Lt. GROUND ELEV. 1136.71

PROPOSED FOOTING ELEV. 1104.0 PARTY CHIEF PULLIAM

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ø | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1140 | GR. EL. | | | | | | | | | | | | | | |
| 1130 | MED. DSE. | | | | | | | | | | | | | | |
| | TO DSE. | | | | | | | | | | | | | | |
| 1120 | MLTC. MICAS. | | | | | | | | | | | | | | |
| | SANDY SILT | | | | | | | | | | | | | | |
| 1110 | G.W.T. | | | | | | | | | | | | | | |
| | | 15 | 40 | | | | | | | | | | | | |
| 1100 | DENSE | 25 | 35 | | | | | | | | | | | | |
| | | 35 | 32 | | | | | | | | | | | | |
| | | 45 | 35 | | | | | | | | | | | | |
| | MLTC. MICAS. | 55 | 28 | | | | | | | | | | | | |
| 1090 | | 65 | 28 | | | | | | | | | | | | |
| | SANDY SILT | 75 | 29 | | | | | | | | | | | | |
| | | 85 | 41 | | | | | | | | | | | | |
| 1080 | | | | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT _____ COUNTY _____ DATE _____

LOCATION _____ BORING NO. 2 cont'd

BENT NO. _____ FOOTING _____ GROUND ELEV. _____

PROPOSED FOOTING ELEV. _____ PARTY CHIEF _____

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ∅ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1080 | DENSE | | | | | | | | | | | | | | |
| | | 95 | 32 | | | | | | | | | | | | |
| | SILTY MICAS, | | | | | | | | | | | | | | |
| 1070 | | 105 | 37 | | | | | | | | | | | | |
| | SANDY SILT | | | | | | | | | | | | | | |
| | | 115 | 37 | | | | | | | | | | | | |
| | VERY DSE. | 125 | 56 | | | | | | | | | | | | |
| 1060 | SAME | | | | | | | | | | | | | | |
| | | 155 | 60-.7' | | | | | | | | | | | | |
| | END DRILLING | | | | | | | | | | | | | | |
| 1050 | | | | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY COBB DATE 10-3-72

LOCATION Hickory Grove Rd. over I-75 BORING NO. 3

BENT NO. 3 FOOTING Rt. GROUND ELEV. 1135.66

PROPOSED FOOTING ELEV. 1104.0 PARTY CHIEF Pullian

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ∅ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1140 | | | | | | | | | | | | | | | |
| | GR. EL. | | | | | | | | | | | | | | |
| 1130 | MED. DSE. | | | | | | | | | | | | | | |
| | TO DSE. | | | | | | | | | | | | | | |
| 1120 | MLTC. MICAS. | | | | | | | | | | | | | | |
| | SANDY SILT | | | | | | | | | | | | | | |
| 1110 | | | | | | | | | | | | | | | |
| S.W.T. | | 15 | 24 | | | | | | | | | | | | |
| | MED. DSE. SAME | | | | | | | | | | | | | | |
| 1100 | | 25 | 26 | | | | | | | | | | | | |
| | | 35 | 26 | | | | | | | | | | | | |
| | DENSE | 45 | 30 | | | | | | | | | | | | |
| | | 55 | 27 | | | | | | | | | | | | |
| 1090 | MLTC. MICAS. | 65 | 25 | | | | | | | | | | | | |
| | SANDY SILT | 75 | 28 | | | | | | | | | | | | |
| 1080 | | 85 | 26 | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT_____ COUNTY_____ DATE_____

LOCATION_____ BORING NO. 3 cont'd

BENT NO._____ FOOTING_____ GROUND ELEV._____

PROPOSED FOOTING ELEV. _____ PARTY CHIEF _____

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ø | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1080 | | | | | | | | | | | | | | | |
| | W/R | | | | | | | | | | | | | | |
| 1070 | DSE. MLTC, MICAS. SY. SLT. | 95 | 48 | | | | | | | | | | | | |
| | VERY DSE. MLTC. MICAS. SANDY SILT | 105 | 60=.3' | | | | | | | | | | | | |
| | W/R | | | | | | | | | | | | | | |
| 1060 | | 115 | H.B. | | | | | | | | | | | | |
| | END DRILLING | | | | | | | | | | | | | | |

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This foundation investigation report is not considered as a part of the Plans and Specifications or Contract on the job.

H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY COBB DATE 10-5-73

LOCATION Hickory Grove Rd. over I-75 BORING NO. 4

BENT NO. 4 FOOTING Lt. Offset 4' Rt. GROUND ELEV. 1134.26

PROPOSED FOOTING ELEV. 1102.4 PARTY CHIEF PULLIAM

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS |
|---|---|---|---|---|
| | GR. EL. | | | |
| 1130 | MED. DSE. | | | |
| 1120 | TO DSE. | | | |
| | MLTC. MICAS. | | | |
| 1110 | SANDY SILT | | | |
| | G.W.T. | | | |
| | DSE. MLTC. | 15 | 31 | |
| 1100 | MICAS. SY. SLT. | 25 | 22 | |
| | MED. DSE. SAME | 35 | 34 | |
| | DENSE | 45 | 32 | |
| | MLTC. MICAS. | | | |
| | SANDY SILT | 55 | 45 | |
| 1090 | | 65 | 60=.9' | |
| | VERY DENSE | 75 | 60=.9' | |
| 1080 | MLTC. MICAS. | 85 | 60=.5' | |
| | SANDY SILT | 95 | 60=.3' | |
| 1070 | END DRILLING | | | |

| W | γ | Gs | C. | ∅ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY Cobb DATE 10-4-72

LOCATION Hickory Grove Rd. over I-75 BORING NO. 5

BENT NO. 4 FOOTING R+ GROUND ELEV. 1131.66

PROPOSED FOOTING ELEV. 1102.4 PARTY CHIEF

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ø | BC | LL. | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GR. EL. | | | | | | | | | | | | | | |
| 1130 | MED. DSE. | | | | | | | | | | | | | | |
| 1120 | TO DSE. | | | | | | | | | | | | | | |
| | MLTC. MICAS. | | | | | | | | | | | | | | |
| 1110 | SANDY SILT | | | | | | | | | | | | | | |
| | G.W.T. | | | | | | | | | | | | | | |
| | | 15 | 20 | | | | | | | | | | | | |
| 1100 | MED. DSE. | | | | | | | | | | | | | | |
| | SAME | 25 | 20 | | | | | | | | | | | | |
| | | 35 | 29 | | | | | | | | | | | | |
| | DENSE | 45 | 34 | | | | | | | | | | | | |
| | MLTC. MICAS. | 55 | 27 | | | | | | | | | | | | |
| 1090 | SANDY SILT | 65 | 60=.9' | | | | | | | | | | | | |
| | | 75 | 60=.5' | | | | | | | | | | | | |
| | VERY DSE. | | | | | | | | | | | | | | |
| | MLTC. MICAS. | 85 | 60=.3' | | | | | | | | | | | | |
| 1080 | SANDY SILT | 95 | 60=.6' | | | | | | | | | | | | |
| | W/R | 105 | H.B. | | | | | | | | | | | | |
| 1070 | END DRILLING | | | | | | | | | | | | | | |

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H.D.490

# STATE HIGHWAY DEPARTMENT OF GEORGIA

## DIVISION OF MATERIALS AND TEST, ATLANTA, GEORGIA

## BRIDGE SUBSURFACE INVESTIGATION

PROJECT I-75-3(40)284 COUNTY Cobb DATE 10-5-72

LOCATION Hickory Grove Rd. over I-75 BORING NO. 6

BENT NO. 5 FOOTING Center Offset 5' Lt. GROUND ELEV. 1132.36

PROPOSED FOOTING ELEV. 1124.8 ± pile cutoff PARTY CHIEF Pulliam

| ELEV. | BORING LOG | SAMPLE | BLOW | REMARKS | W | γ | Gs | C. | ∅ | BC | LL | PI | % 200 | % CLAY | e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GR. EL. | | | | | | | | | | | | | | |
| 1130 | MED. DSE. | | | | | | | | | | | | | | |
| | MLTC. MICAS. | 15 | 22 | | | | | | | | | | | | |
| | | 25 | 16 | | | | | | | | | | | | |
| 1120 | SANDY SILT | 35 | 14 | | | | | | | | | | | | |
| | | 45 | 15 | | | | | | | | | | | | |
| | DENSE | 55 | 30 | | | | | | | | | | | | |
| 1110 | MLTC. MICAS. | | | | | | | | | | | | | | |
| | SANDY SILT | 65 | 27 | | | | | | | | | | | | |
| GW.T. | | | | | | | | | | | | | | | |
| | MED. DSE. SAME | 75 | 22 | | | | | | | | | | | | |
| 1100 | | | | | | | | | | | | | | | |
| | | 85 | 27 | | | | | | | | | | | | |
| | DENSE | | | | | | | | | | | | | | |
| | | 95 | 38 | | | | | | | | | | | | |
| 1090 | MLTC. MICAS. | 105 | 31 | | | | | | | | | | | | |
| | SANDY SILT | 115 | 49 | | | | | | | | | | | | |
| 1080 | | | | | | | | | | | | | | | |
| | | 125 | 60=.5' | | | | | | | | | | | | |
| | VERY DSE. SAME | 135 | 60=.2' | | | | | | | | | | | | |
| 1070 | END DRILLING | | | | | | | | | | | | | | |

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This foundation investigation report is not considered as a part of the Plans and Specifications or Contract on the job.

# GEORGIA DEPARTMENT OF TRANSPORTATION

*Bridge Inspection Report*

**District:** 7
**Bridge Inspector:** BDH
**Location ID:** 067-04399X-001.72E
**Structure ID:** 067-0140-0

**Inspection Date:** 08/01/97
**Over:** I-75
**County:** Cobb
**Road Name:** HICKORY GROVE ROAD

**Inspection Area:** 09
**Bridge Status:** 07

**EVALUATION & DEFICIENCIES**

**SubStructure:** **Year Painted:** 0000

ALL CONCRETE UNITS - CAPS AND 3 COLUMNS PER BENT. MINOR CRACKING IN BOTH ABUTMENT CAPS.
MINOR SHEAR TYPE CRACKS AT BENT #2 OVER EXTERIOR COLUMNS WITH MINOR CRACKS IN TOP LEFT AND RIGHT END OF CAP AT BENT #2 .
BENT #3 HAS A SHEAR TYPE CRACK OVER RIGHT EXTERIOR COLUMN REAR.

**SuperStructure:** **Year Painted:** 1997

4 SPAN STEEL BEAM (6 BEAMS PER SPAN) - PAINTED IN 1997 - SPANS #1 & #4 ARE SIMPLE - SPANS #2 & #3 ARE CONTINUOUS.
BRIDGE IN PROCESS OF BEING PAINTED 08-97 BY CONTRACTOR. GOOD CONDITION

**Deck:**

7 1/2" CONCRETE SLAB--TRANSVERSE CRACKING IN THE DECK SURFACE.

POURED JOINTS AT BOTH ABUTMENTS ARE LEAKING. COMPRESSION JOINTS AT BENTS #2 & #4 IN PLACE BUT ARE LEAKING .

**General:**

BUILT IN 1977 PROJECT # I-75-3 (40) 284 CT.2

METAL S.I.P. DECK FORMS
STEEL ROCKER BEARINGS AT BENTS #2 & #4

**Condition Rating**

| Component | Material | Rating |
|---|---|---|
| Substructure | CONCRETE | 7 |
| Superstructure | STEEL | 8 |
| 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 | 00 |
| Posting Required | | | | | | |
| Existing Posting | 00 | 00 | 00 | 00 | 00 | 00 |

***** School Bus Route ******

**Structure Does Not Require Posting**

# GEORGIA DEPARTMENT OF TRANSPORTATION

## *OFFICE OF MAINTAINANCE - BRIDGE DEFICIENCY REPORT*

**District:** 7 **Inspection Date:** 08/01/97 **Inspection Area:** 09
**Bridge Inspector:** BDH **Over:** I-75
**Location ID:** 067-04399X-001.72E **County:** Cobb
**Structure ID:** 067-0140-0 **Assit. District Engineer:**

HICKORY GROVE ROAD OVER I-75 ---- 2.8 MI NORTH OF KENNESAW

| Item | UNITS | Work | P | Date Reported | LOCATION | Date Completed | Complete |
|---|---|---|---|---|---|---|---|
| 801 | LIN. FT. | 100 | C | 06/01/1989 | | | *** |
| 830 | MAN-HRS. | 40 | B | 04/01/1991 | | 08/01/1991 | 122 Days |

**Comments:**

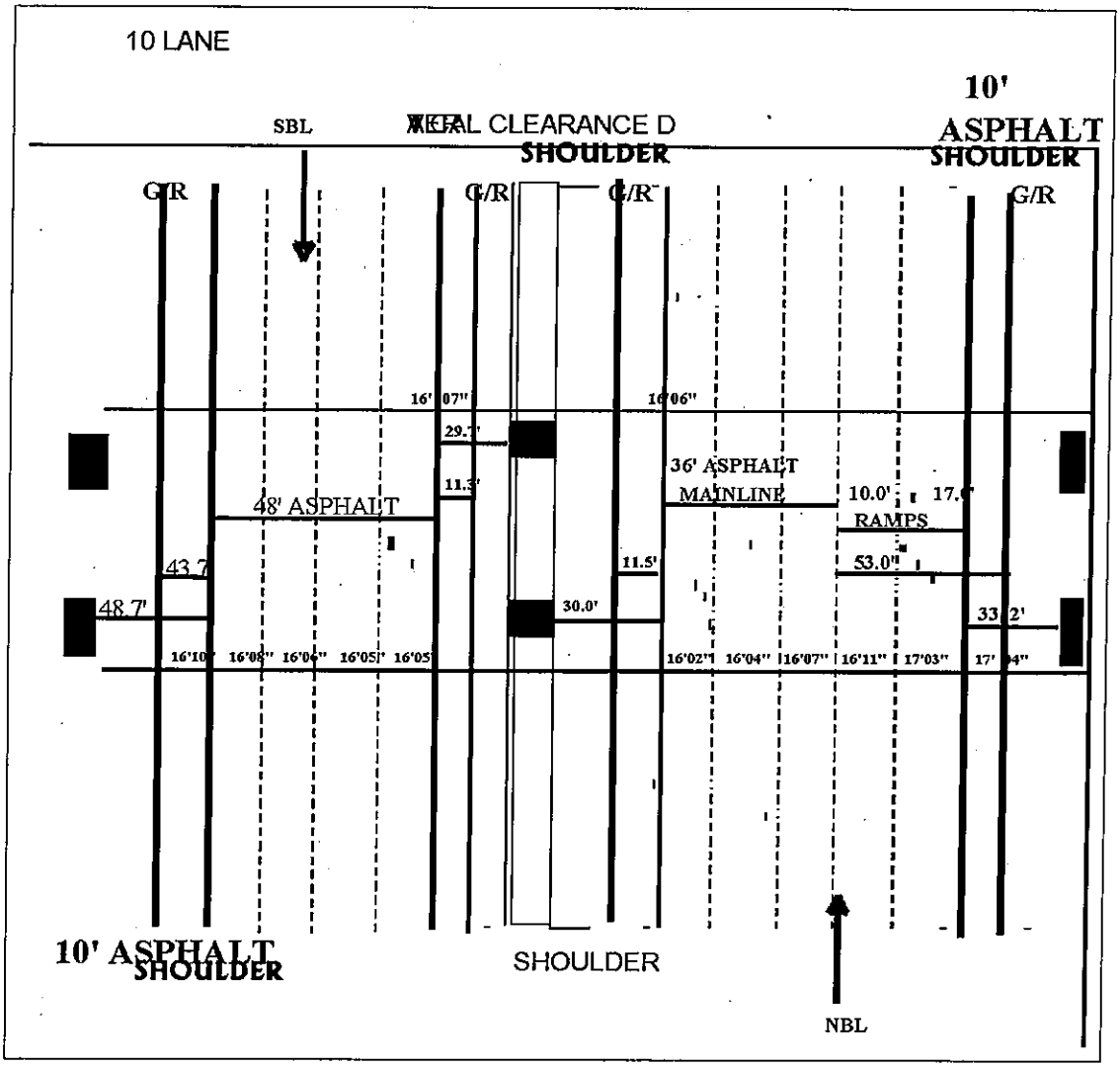
# GEORGIA DEPARTMENT OF TRANSPORTATION

*Vertical Clearance Report*

**District:** 7
**Bridge Inspector:** BDH
**Location ID:** 067-04399X-001.72E
**Structure ID:** 067-0140-0

**Inspection Date:** 08/01/97
**Over:** I-75
**County:** Cobb
**Skew:** 30

**Inspection Area:** 09




**XRef ID:** 067-0140-0-A

**Min. Clearance Over:** 99-99
**Act Min Vert. Odom:** 16- 2
**Act Min Vert. Opp:** 16- 5
**Max Min Vert. Clear:** 17- 3

**Min. Clearance Under:** 16- 2
**Post Min Vert Odom:** 0- 0
**Post Min Vert. Opp:** 0- 0
**Direction:** 1

**Clearance Type:** H

**Lat Under Clear Right:** 33.2
**Left:** 29.7
**Lateral Type:** 5

**Ratings-Under Cl Horz/Vert:** 5

**Total Horizontal Clearence (ft):** 99.9

# Cross Reference Report
## Cobb County

**Structure ID:** 067-0140-0

### Location & Geography

* Structure I.D. No.: 067-0140-0-A
* 6A Freature Int.: CR 4399 HICKORY GROVE RD
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00401
* 7B Facility Carried: I-75
* 9 Location: 2.8 MI NORTH OF KENNESAW

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

* 5 Inventory Route (O/U): 2
Type: 1
Designator: 1
Number: 00075
Direction: 0

* 16 Latitude: 34.03.9
* 17 Longitude: 34.36.5

* 100 Defense Highway: 1
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
* 104 Highway System: 1
* 26 Functional Classification: 11
* 204 Federal Route Type: I No: 075-1
* 110 Truck Route: 1
* 19 Bypass Length: 1
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01

* 27 Year Constructed: 1977

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

* Location I.D. No: 067-00401D-274.12N
* XReferen I.D. No:

### Signs & Attachments

* 240 Median Barrier Rail: 0

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

### Measurements

* 29 ADT: 098900 Year: 1997

* 28 Lanes On: 02 Under: 08

* 48 Max. Span Length: 0148
* 49 Structure Length: 421

* 47 Tot. Horz. Cl: 99.9

* 229 Shlder Width:
Rear Lt: 10.0 Type: 2 Rt: 10.0
Fwrd Lt: 10.0 Type: 2 Rt: 10.0
Pvment Width:
Rear: 53.0 Type: 2
Fwrd: 48.0 Type: 2
Intersection Rear: 1 Fwrd: 0

* 228 Min. Vert. Cl
Act. Odm. Dir: 16' 02"
Oppo. Dir: 16' 05"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"

* 10 Max Min Vert Cl: 17' 03" Dir: 1

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

### Ratings

* 227 Collision Damage: 0

### Posting Data

* 103 Temporary Structure: 0

* 248 County Continuity No: 00

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

**Structure ID:** 067-0140-0 **Cobb County** SUFF. RATING: 97.6

## Location & Geography

* Structure I.D. No.: 067-0140-0
200 Bridge Information: 07

* 6A Freature Int.: I-75
* 6B Critical Bridge: 0
* 7A Route Number Carried: CR04399
* 7B Facility Carried: HICKORY GROVE ROAD
* 9 Location: 2.8 MI NORTH OF KENNESAW
2 DOT District: 7
207 Year Photo: 1997

* 91 Inspection Frequency: 24 Date: 04/01/1999
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: 4
Designator: 1
Number: 04399
Direction: 0

* 16 Latitude: 34-03.9
* 17 Longitude: 84 -36.5

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

* 100 Defense Highway: 0
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 001.72

* 208 Inspection Area: 09 Initials: JMC

* Location I.D. No: 067-04399X-001.72E
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 0
* 26 Functional Classification: 19
* 204 Federal Route Type: 0 No: 00000
* 110 Truck Route: 0
206 School Bus Route: 1
217 Benchmark Elevation: 0.00
218 Datum: 0
* 19 Bypass Length: 4
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 6
37 Historical Significance: 5
205 Congressional District: 06
* 27 Year Constructed: 1977
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 30
35 Structure Flared: 0
38 Navigation Control: N
213 Special Steel Design: 0
267 Type of Paint: 5

* 42 Type Service On: 1
Under: 1
214 Movable Bridge: 00
203 Type Bridge: Z-O-M-O
259 Pile Encasement: 3
* 43 Structure Type Main: 4 02
45 No. Spans Main: 002
44 Structure Type Appr: 3 3
46 No. Spans Appr: 0002
226 Bridge Curve Horz: 0 Vert: 1
111 Pier Protection: 0
107 Deck Structure Type: 1

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

## Signs & Attachments

223 Expansion Joint Type: 03
242 Deck Drains: 0

243 Parapet Location: 3
Height: 2
Width: 1.1

238 Curb: 0.0 0
239 Handrail: 7 7
* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 3
Fwrd: 3
Oppo Dir Rear: 0
Fwrd: 0

244 Approach Slab: 3
224 Retaining Wall: 0

233 Posted Speed Limit: 35
236 Warning Sign: 0
234 Delineator: 0
235 Hazard Boards: 0

237 Utilities Gas: 21
Water: 22
Electric: 00
Telephone: 22
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:** 067-0140-0 **Cobb County** SUFF. RATING: 97.6

## Programming Data

| | | |
|---|---|---|
| 201 | Project No: | I-75-3 (40) 284 CT.2 |
| 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: | 007650 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: 067-04399X-001.72E
* XReferen I.D. No: 000-000000-000.000

## Measurements

| | | |
|---|---|---|
| * 29 | ADT: | 005100 Year: 1998 |
| 109 | % Trucks: | 2 |
| * 28 | Lanes On: | 02 Under: 08 |
| 210 | No. Tracks On: | 00 Under: 00 |
| * 48 | Max. Span Length: | 0148 |
| * 49 | Structure Length: | 421 |
| 51 | Br. Rdwy. Width: | 44.0 |
| 52 | Deck Width: | 46.6 |
| * 47 | Tot. Horz. Cl: | 44.0 |
| 50 | Curb/Sdewlk Width: | 0.0/0.0 |
| 32 | Approach Rdwy Width: | 024 |
| * 229 | Shlder Width: | |
| | Rear Lt: 10.0 | Type: 8 Rt: 10.0 |
| | Fwrd Lt: 10.0 | Type: 8 Rt: 10.0 |
| | Pvment Width: | |
| | Rear: 24.0 | Type: 2 |
| | Fwrd: 24.0 | Type: 2 |
| | Intersection Rear: 0 | Fwrd: 0 |
| 36 | Safety Features Br. Rail: | 1 |
| | Transition: | 2 |
| | App. G. Rail: | 1 |
| | App. Rail End: | 1 |
| 53 | Minimum Cl. Over: | 99' 99" |
| | Under: H | 16' 02" |
| * 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 33.2 |
| 56 | Lateral Undercl. Lt: | 29.7 |
| * 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: | 7.5 |
| 246 | Overlay Thickness: | 0.0 |
| 211 | Tons Structural Steel: | 0.0 |
| 212 | Year Last Painted: | Sup: 1997 Sub: 0000 |

## Ratings

| | | |
|---|---|---|
| 66 | Inventory Type: 2 | Rating: 36 |
| 64 | Operating Type: 2 | Rating: 51 |
| 231 | Calculated Loads | |
| | H-Modified: | 20 0 |
| | HS-Modified: | 25 0 |
| | Type 3: | 28 0 |
| | Type 3s2: | 40 0 |
| | Timber: | 36 0 |
| | Piggyback: | 00 0 |
| 261 | H Inventory Rating: | 20 |
| 262 | H Operating Rating: | 28 |
| 67 | Structural Evaluation: | 7 |
| 58 | Deck Condition: | 7 |
| 59 | Superstructure Condition: | 8 |
| * 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: | 6 |
| 69 | UnderClr. Horz/Vert: | 5 |
| 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 |

# GEORGIA DEPARTMENT OF TRANSPORTATION

*Bridge Inspection Report*

**District:** 7
**Bridge Inspector:** JMC
**Location ID:** 067-04399X-001.72E
**Structure ID:** 067-0140-0

**Inspection Date:** 04/01/99
**Over:** I-75
**County:** Cobb
**Road Name:** HICKORY GROVE ROAD

**Inspection Area:** 09
**Bridge Status:** 07

## EVALUATION & DEFICIENCIES

**SubStructure:** **Year Painted:** 0000
Concrete units - caps and 3 columns per bent.

The ladder was used to inspect all substructure units in 6-99.

Minor cracking in both abutment caps.

Minor shear type cracks at bent #2 over exterior columns with minor cracks in top left and right end of cap at bent #2 .

Bent #3 has a shear type crack over right exterior column rear.

HS-20

**SuperStructure:** **Year Painted:** 1997
4 span steel beam (6 beams per span) .

The ladder was used to inspect bearing assemblies and beam ends in 6-99. No problems were found.

Painted in 1997. All beams are in good condition.

Spans #1 & #4 are simple - spans #2 & #3 are continuous.

HS-20

**Deck:**
7 1/2" concrete slab -transverse cracking in the deck surface.

Poured joints at both abutments are leaking.

Compression joints at bents #2 & #4 in place but are leaking .

HS-20

**General:**
Built in 1977 project # I-75-3 (40) 284 ct.2

Metal S.I.P. deck forms.

Steel rocker bearings at bents #2 & #4.

# GEORGIA DEPARTMENT OF TRANSPORTATION

*Bridge Inspection Report*

## EVALUATION & DEFICIENCIES

**Condition Rating**

| Component | Material | Rating |
|---|---|---|
| Substructure | Concrete | 7 |
| Superstructure | Steel | 8 |
| 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 | 00 |
| Posting Required | | | | | | |
| Existing Posting | 00 | 00 | 00 | 00 | 00 | 00 |

***** School Bus Route ******

**Structure Does Not Require Posting**

# GEORGIA DEPARTMENT OF TRANSPORTATION

## *OFFICE OF MAINTAINANCE - BRIDGE DEFICIENCY REPORT*

**District:** 7 **Inspection Date:** 04/01/99 **Inspection Area:** 09
**Bridge Inspector:** JMC **Over:** I-75
**Location ID:** 067-04399X-001.72E **County:** Cobb
**Structure ID:** 067-0140-0 **Assit. District Engineer:** Mike Malcom

HICKORY GROVE ROAD OVER I-75 ---- 2.8 MI NORTH OF KENNESAW

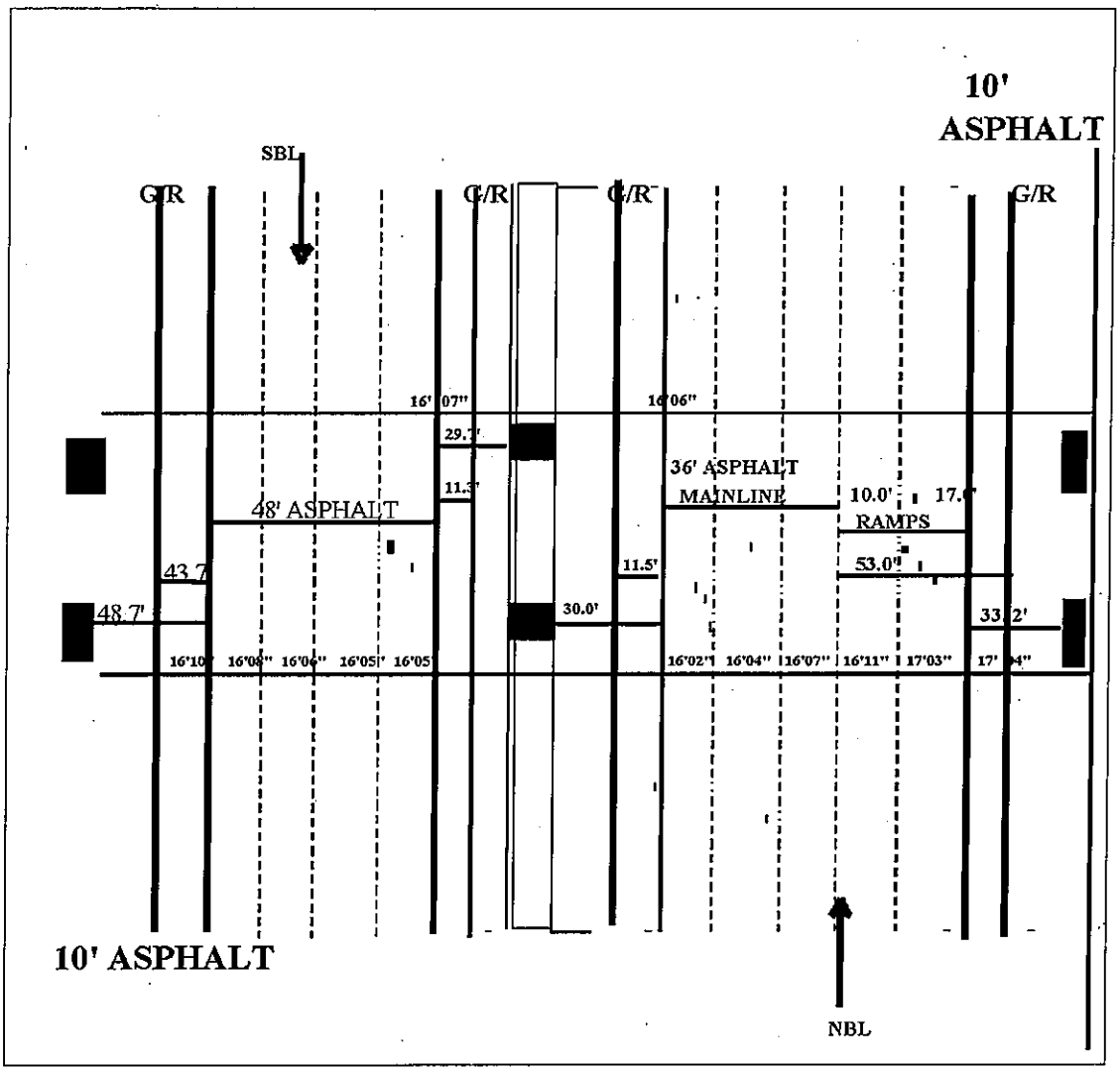
| Item | UNITS | Work | P | Date Reported | LOCATION | Date Completed | Complete |
|---|---|---|---|---|---|---|---|
| 801 | LIN. FT. | 100 | C | 06/01/1989 | As needed | | *** |
| 830 | MAN-HRS. | 40 | B | 04/01/1991 | Clean spill ways | 08/01/1991 | 122 Days |

**Comments:**

# GEORGIA DEPARTMENT OF TRANSPORTATION

*Vertical Clearance Report*

**District:** 7 **Inspection Date:** 04/01/99 **Inspection Area:** 09
**Bridge Inspector:** JMC **Over:** I-75
**Location ID:** 067-04399X-001.72E **County:** Cobb
**Structure ID:** 067-0140-0 **Skew:** 30




**XRef ID:** 067-0140-0-A
**Min. Clearance Over:** 99-99 **Min. Clearance Under:** 16- 2 **Clearance Type:** H
**Act Min Vert. Odom:** 16- 2 **Post Min Vert Odom:** 0- 0
**Act Min Vert. Opp:** 16- 5 **Post Min Vert. Opp:** 0- 0
**Max Min Vert. Clear:** 17- 3 **Direction:** 1

**Lat Under Clear Right:** 33.2 **Left:** 29.7 **Lateral Type:** 5

**Ratings-Under Cl Horz/Vert:** 5 **Total Horizontal Clearence (ft):** 99.9

# Cross Reference Report

**Cobb County**

**Structure ID:** 067-0140-0

## Location & Geography

* Structure I.D. No.: 067-0140-0-A
* 6A Freature Int.: CR 4399 HICKORY GROVE RD
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00401
* 7B Facility Carried: I-75
* 9 Location: 2.8 MI NORTH OF KENNESAW

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

* 5 Inventory Route (O/U): 2
Type: 1
Designator: 1
Number: 00075
Direction: 0

* 16 Latitude: 34.03.9
* 17 Longitude: 34.36.5

* 100 Defense Highway: 1
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
* 104 Highway System: 1
* 26 Functional Classification: 11
* 204 Federal Route Type: I No: 075-1
* 110 Truck Route: 1
* 19 Bypass Length: 1
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01

* 27 Year Constructed: 1977

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

* Location I.D. No: 067-00401D-274.12N
* XReferen I.D. No:

## Signs & Attachments

* 240 Median Barrier Rail: 0

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

## Measurements

* 29 ADT: 104200 Year: 1998

* 28 Lanes On: 02 Under: 08

* 48 Max. Span Length: 0148
* 49 Structure Length: 421

* 47 Tot. Horz. Cl: 99.9

* 229 Shlder Width:
Rear Lt: 10.0 Type: 2 Rt: 10.0
Fwrd Lt: 10.0 Type: 2 Rt: 10.0
Pvment Width:
Rear: 53.0 Type: 2
Fwrd: 48.0 Type: 2
Intersection Rear: 1 Fwrd: 0

* 228 Min. Vert. Cl
Act. Odm. Dir: 16' 02"
Oppo. Dir: 16' 05"
Posted Odm. Dir: 00' 00"
Oppo. Dir: 00' 00"

* 10 Max Min Vert Cl: 17' 03" Dir: 1

* 208 Inspection Area: 09 Initials: JMC
* 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 - 04399 X - 001.72 E

# 067-0140-0

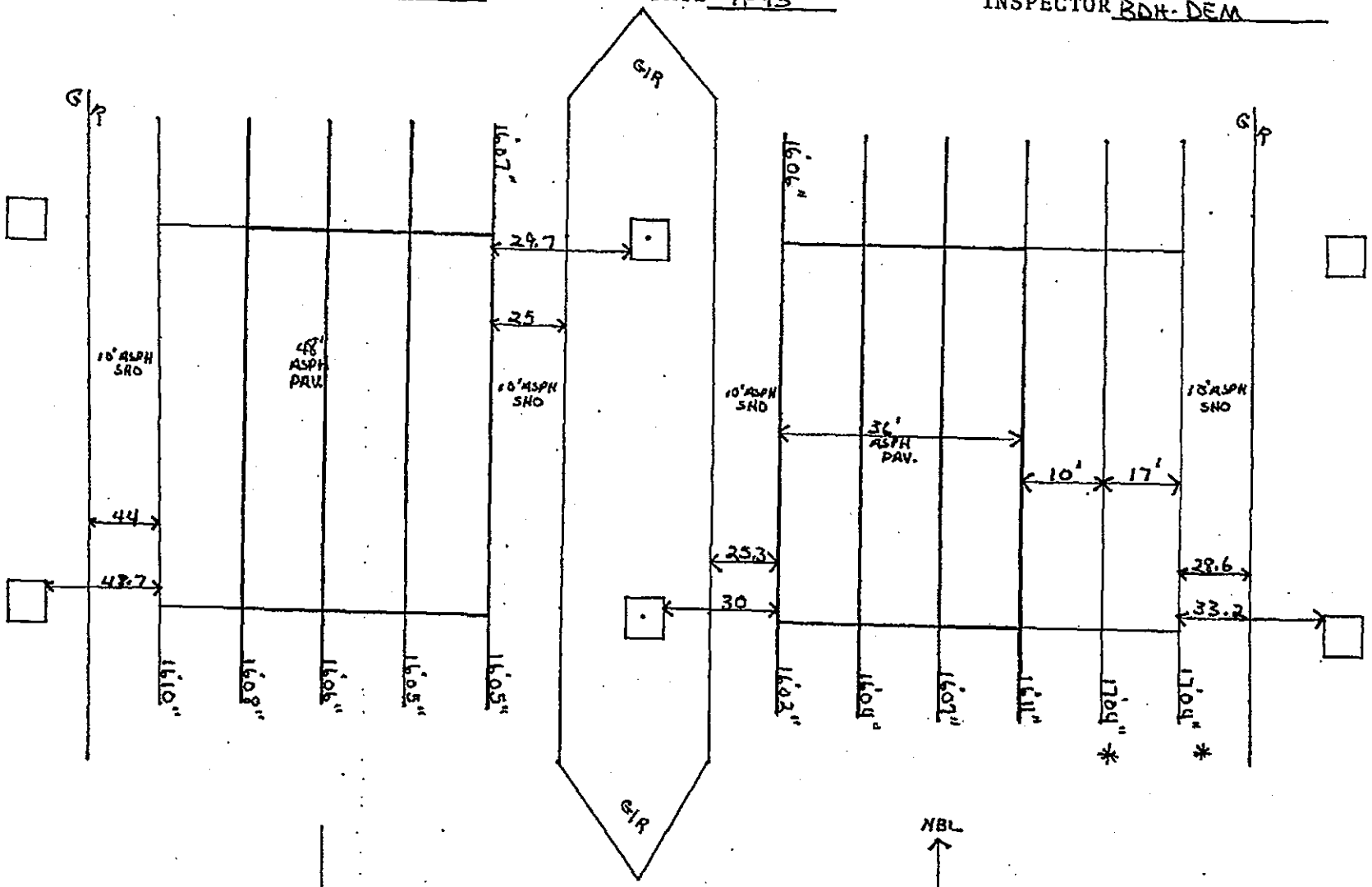
**PHOTO'S:** 1

**SHEET'S:** 14

I.D. # 067-04399X-00172E Hickory Grove RD

OVER 067-00401-37412N

DATE 11-93 INSPECTOR BDH-DEM



**********
* COMPONENT LOAD RATINGS * 1
**********

BRIDGE INSPECTION SECTION
INSPECTION AREA # 7
MARIETTA GEORGIA

BRIDGE I.D. # : 067-04399X-00172E Cobb County
BRIDGE SERIAL # : 067 - 0140 - 0
* STRUCTURE IS LOCATED OVER STATE ROUTE # 401 @ 27412N .

Field inspection of bridge by : Bobby D. Hogan BDH DATE : 5-91

[ CONCRETE DECK ] ..... Inventory Condition Code : 8

| ** HS-LOAD ** | | <------ AASHTO ------> | ** H-LOAD ** | |
|---|---|---|---|---|
| INVENTORY | OPERATING | | INVENTORY | OPERATING |
| 37 TON. | 51 TON. | | 20 TON. | 28 TON. |

[ STEEL SUPERSTRUCTURE ] ..... Inventory Condition Code : 7
SUP. SPAN LENGTH : 67 FEET.

| ** HS-LOAD ** | | <------ AASHTO ------> | ** H-LOAD ** | |
|---|---|---|---|---|
| INVENTORY | OPERATING | | INVENTORY | OPERATING |
| 39 TON. | 61 TON. | | 30 TON. | 48 TON. |

[ CONCRETE SUBSTRUCTURE ] ..... Inventory Condition Code : 8
SUB. SPAN LENGTH : 68.8 FEET.

| ** HS-LOAD ** | | <------ AASHTO ------> | ** H-LOAD ** | |
|---|---|---|---|---|
| INVENTORY | OPERATING | | INVENTORY | OPERATING |
| 36 TON. | 64 TON. | | 23 TON. | 41 TON. |

*** OUTPUT DATA ***

>>> STANDARD [ AASHTO ] LOAD RATINGS <<<

[HS] INVENTORY ... : 36 TON. [H] INVENTORY ... : 20 TON.
[HS] OPERATING ... : 51 TON. [H] OPERATING ... : 28 TON.

INVENTORY CAPACITY IS EQUIVALENT TO [AASHTO] HS- 20 DESIGN. [ 8 ]

## [ COMBINATION TYPE POSTING LOADS ]

| | >>> MODIFIED POSTING @ 65 % <<< | >> OPERATING << | >> OVERSTRESS << |
|---|---|---|---|
| H-LOAD ..... : | 20 .[0] | [ ] 34 | <------ 0 % |
| HS-LOAD ..... : | 25 .[0] | [ ] 57 | <------ 0 % |
| TANDEM ..... : | 28 .[0] | [ ] 52 | <------ 0 % |
| TYPE 3S2 ..... : | 40 .[0] | [ ] 93 | <------ 0 % |
| LOGGING TRUCK .. : | 36 .[0] | [ ] 75 | <------ 0 % |
| PIGGY-BACK ..... : | 0 .[0] | <---- Bridge is not on Truck Network. | |

## * STRUCTURE DOES NOT REQUIRE POSTING.

The states legal load limit generates a MAX. OVERSTRESS of [ 0 %]

THE AVERAGE DAILY TRAFFIC AT THIS SITE = 2070 V.P.D.
STRUCTURAL EVALUATION CODE - ITEM # 67 = 7
BRIDGE POSTING CODE - ITEM # 70 = 5

**********
** CONCRETE DECK **
**********

BRIDGE I.D. # : 067-04399X-00172E Cobb County

* STRUCTURE IS LOCATED OVER STATE ROUTE # 401 @ 27412N.

INVENTORY RATING IS BASED ON A KNOWN DESIGN.

FIELD INSPECTION OF BRIDGE BY : Bobby D. Hogan BDH DATE : 5-91

*** INPUT DATA ***

| | | |
|---|---|---|
| DESIGN LOAD | : | * STANDARD HS-20 * |
| DECK THICKNESS | : | 7.5 INCHES. |
| ASPHALT DEPTH | : | 0 INCHES. |
| DECK CLEAR SPAN | : | 7.74 FEET. |
| BEAM FL. WIDTH | : | 12.125 INCHES. |

*** OUTPUT DATA ***

>>> STANDARD [ AASHTO ] LOAD RATINGS <<<

| | | | |
|---|---|---|---|
| [H] INVENTORY ... : | 20 TON. | [HS] INVENTORY ... : | 37 TON. |
| [H] OPERATING ... : | 28 TON. | [HS] OPERATING ... : | 51 TON. |

THE DECK INVENTORY CAPACITY IS EQUIVALENT TO [AASHTO] HS- 20 DESIGN.

| >>> MODIFIED POSTING @ 65 % <<< | | >> OPERATING << | >> OVERSTRESS << |
|---|---|---|---|
| H-LOAD ..... : | 29 TON. | [ ] 34 | <------ 0 % |
| HS-LOAD ..... : | 49 TON. | [ ] 57 | <------ 0 % |
| TRI-AXLE ..... : | 60 TON. | [ ] 70 | <------ 0 % |
| TANDEM ..... : | 58 TON. | [ ] 68 | <------ 0 % |
| TYPE 3S2 ..... : | 91 TON. | [ ] 106 | <------ 0 % |
| PIGGY-BACK ..... : | 92 TON. | [ ] 107 | <------ 0 % |
| LOGGING TRUCK .. : | 65 TON. | [ ] 76 | <------ 0 % |

** POSTING IS NOT REQUIRED.

**********
* SUPERSTRUCTURE *
**********

BRIDGE I.D. # : 067-04399X-00172E Cobb County

* STRUCTURE IS LOCATED OVER STATE ROUTE # 401 @ 27412N.

Field Inspection of Bridge BY : Bobby D. Hogan BDH DATE : 5-91

ANALYSIS FOR SPAN # 1 ====> (DESIGN TYPE STEEL BEAM SUPERSTRUCTURE)

INVENTORY LOAD RATING CAPACITY IS BASED ON A KNOWN DESIGN.

ORIGINAL DESIGN LOAD : * STANDARD HS-20 *

*** INPUT DATA ***

| | | |
|---|---|---|
| SPAN LENGTH ..... | : | 67. FEET. |
| NUMBER OF LANES ..... | : | 2 |
| BEAM SPACINGS ..... | : | 8.75 FEET. |
| INPLACE ASPHALT DEPTH . | : | 0 INCHES. |
| BEAM WEIGHT / FOOT .... | : | 192.23 LBS. |
| DECK THICKNESS ..... | : | 7.5 INCHES. |

*** OUTPUT DATA ***

>>> STANDARD [ AASHTO ] LOAD RATINGS <<<

| | | | |
|---|---|---|---|
| [H] INVENTORY ... : | 30 TON. | [HS] INVENTORY ... : | 39 TON. |
| [H] OPERATING ... : | 48 TON. | [HS] OPERATING ... : | 61 TON. |

SUPERSTRUCTURE INVENTORY CAPACITY IS EQUIVALENT TO [AASHTO] HS- 22 DESIGN.

| | >>> MODIFIED POSTING @ 65 % <<< | | >> OPERATING << | >> OVERSTRESS << |
|---|---|---|---|---|
| H-LOAD ..... : | 45 TON. | [ ] | 54 | <------- 0 % |
| HS-LOAD ..... : | 51 TON. | [ ] | 63 | <------- 0 % |
| TRI-AXLE ..... : | 47 TON. | [ ] | 57 | <------- 0 % |
| TANDEM ..... : | 48 TON. | [ ] | 58 | <------- 0 % |
| TYPE 3S2 ..... : | 76 TON. | [ ] | 93 | <------- 0 % |
| PIGGY-BACK .... : | 96 TON. | [ ] | 117 | <------- 0 % |
| LOGGING TRUCK .. : | 61 TON. | [ ] | 75 | <------- 0 % |

** POSTING IS NOT REQUIRED.

**********
* SUBSTRUCTURE * ANALYSIS FOR ABUTMENT # 1
**********

BRIDGE I.D. # : 067-04399X-00172E Cobb County

STRUCTURE IS LOCATED OVER STATE ROUTE # 401 @ 2741.2N

Field inspection of bridge by : Bobby D. Hogan BDH DATE : 5-91

*** INPUT DATA ***

ORIGINAL INVENTORY RATING BASED ON A KNOWN DESIGN. * STANDARD HS-20 *

CALCULATIONS FOR CONCRETE ABUTMENT.
NUMBER OF SPANS ON BENT .... : 1
SPAN LENGTH ..... : 68.5 FEET.
STEEL BEAMS : 192.23 LBS. / FT. 6 BEAMS.
CONCRETE DECK : 46.6 FT. WIDE X 7.5 IN. THICK.

*** OUTPUT DATA ***

>>> STANDARD [ AASHTO ] LOAD RATINGS <<<

| | | | |
|---|---|---|---|
| [H] INVENTORY ... : | 23 TON. | [HS] INVENTORY ... : | 36 TON. |
| [H] OPERATING ... : | 41 TON. | [HS] OPERATING ... : | 64 TON. |

SUBSTRUCTURE INVENTORY CAPACITY IS EQUIVALENT TO [AASHTO] HS- 20 DESIGN.

| | >>> MODIFIED POSTING @ 65 % <<< | >> OPERATING << | >> OVERSTRESS << |
|---|---|---|---|
| H-LOAD ..... : | 34 TON. | [ ] 43 | <------ 0 % |
| HS-LOAD ..... : | 52 TON. | [ ] 67 | <------ 0 % |
| TRI-AXLE ..... : | 41 TON. | [ ] 53 | <------ 0 % |
| TANDEM ..... : | 41 TON. | [ ] 52 | <------ 0 % |
| TYPE 3S2 ..... : | 86 TON. | [ ] 110 | <------ 0 % |
| PIGGY-BACK ..... : | 133 TON. | [ ] 170 | <------ 0 % |
| LOGGING TRUCK .. : | 63 TON. | [ ] 80 | <------ 0 % |

POSTING IS NOT REQUIRED.

# GEORGIA DEPARTMENT OF TRANSPORTATION

STATE MAINTAINED SYSTEM
BRIDGE CONDITION REPORT

DISTRICT : 7 Insp Area : 9

Bridge Inspector : D.HOGAN BOH D.MEALER Date : 04-95
Location ID # : 067-04399X-00172E Over : I-75
Structure ID # : 067-0140-0 County : Cobb County

## EVALUATION & DEFICIENCIES

**Substructure :** (Pile) Paint Code 0

ALL CONCRETE UNITS - CAPS AND COLUMNS - MINOR CRACKING IN BOTH ABUTMENT CAPS ALSO MINOR CRACK IN TOP LEFT END OF CAP AT BENT #2

**Superstructure :** Paint Code 3

4 SPAN STEEL BEAM - PAINTED IN 1977 - 2 SPANS CONTINUOUS - 2 SPANS SIMPLE CORROSION THROUGHOUT BEING MORE SEVERE UNDER ALL DECK JOINTS

**Deck :**

7 1/2" CONCRETE SLAB - MINOR CRACKING - POURED JOINTS AT BOTH ABUTMENTS ARE LEAKING - COMPRESSION JOINTS AT BENTS #2 & #4 INPLACE BUT ARE LEAKING

| Component | Material | Condition Rating Description | Number | Load Cap. |
|---|---|---|---|---|
| Substructure | C | G-F | 7 | HS-20 |
| Superstructure | S | G-F | 7 | 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 | - |
| Existing Posting | - | - | - | - | - | - | - |

| Posting Requirements | |
|---|---|
| Requires Closing | |
| Requires Posting | |
| Posting Not Req. | * |

**General Comments :**

BUILT IN 1977 PROJECT # I-75-3 (40) 284 CT.2

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 BDA D.MEALER Date : 05-93
Location ID # : 067-04399X-00172E OVER : I-75
Structure ID # : 067-0140-0 County : Cobb County

## EVALUATION & DEFICIENCIES

**Substructure :** (Pile) Paint Code 0

ALL CONCRETE UINTS - CAPS AND COLUMNS - MINOR CRACKING IN BOTH ABUTMENT CAPS ALSO MINOR CRACK IN TOP OF CAP RIGHT END AT BENT #2.

**Superstructure :** Paint Code 2

4 SPAN STEEL BEAM - PAINTED IN 1977 - 2 SPANS CONTINUOUS - 2 SPANS SIMPLE - CORROSION THROUGH OUT BEING MORE SEVERE UNDER ALL DECK JOINTS.

**Deck :**

7 1/2" CONCRETE SLAB - MINOR CRACKING - POURED JOINTS AT BOTH ABUTMENTS ARE LEAKING. - COMPRESSION JOINTS AAT BENTS #2&4 INPLACE BUT ARE ALSO LEAKING.

| Component | Material | Condition Rating Description | Number | Load Cap. |
|---|---|---|---|---|
| Substructure | C | G-F | 7 | HS-20 |
| Superstructure | S | G-F | 7 | 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 | - |
| Existing Posting | - | - | - | - | - | - | - |

| Posting Requirements | |
|---|---|
| Requires Closing | |
| Requires Posting | |
| Posting Not Req. | * |

**General Comments :**

BUILT IN 1977 PROJECT # I-75-3 (40) 284 CT-2.

METAL S.I.P. DECK FORMS.

# GEORGIA DEPARTMENT OF TRANSPORTATION

STATE MAINTAINED SYSTEM
BRIDGE CONDITION REPORT

District : 7 Insp Area : 9

Bridge Inspector : JMC - BDH Date : 4-91
Location ID # : 067-04399K-00172E Over : I-75
Structure ID # : 067-0140-0 County : Cobb

## EVALUATION & DEFICIENCIES

**Substructure :** (Pile) Paint Code _____

ALL CONC. UNITS

MINOR CRACKS

**Superstructure :** Paint Code 2

4 SPAN STEEL MULTI-BEAM

**Deck :**

7½" Conc.

JOINTS AT BOTH ABUTS. LEAK

**Culvert :** # of Barrels _____ Size _____

| Component | Material | Condition Rating Description | Number | Load Cap. |
|---|---|---|---|---|
| Substructure | C | Good | 8 | HS-20 |
| Superstructure | S | Good | 7 | HS-20 |
| Deck | C | Good | 8 | 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 | - |
| Existing Posting | NONE | | | | | | |

| Posting Requirements | |
|---|---|
| Requires Closing | |
| Requires Posting | |
| Posting Not Req. | ✓ |

General Comments: _____

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 CR 4399 HICKORY GROVE.
OVER I-75 IN COBB COUNTY.

| BRIDGE IDENTIFICATION NUMBER | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO. NO. | | | ROUTE NO. | | | | DO | DOOMETER | | | | | DA | | CH |
| 1 | 9 | | 4 | | | 8 | 9 | 10 | | | 14 | | 15 | 16 17 | 18 |
| 0 | 6 | 7 | 0 | 4 | 3 | 9 | 9 | X | 0 | 0 | 1 | 7 | 2 | E | C |

Serial No. 067-0140-0

| 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. | | | | SEAL JOINTS AT ABUT. 1 + 5 (SILICONE) | | 16 | |
| 820 | MAN-HRS. | | | | | | 17 | |
| 822 | GAL.PAINT | | | | | | 18 | |
| 824 | GAL.PAINT | 00421 | B | 0491 | CLEAN & PAINT BEAMS & BEARINGS | | 19 | |
| 830 | MAN-HRS. | 00040 | B | 0491 | CLEAN DECK GUTTERS & SPILLWAYS - TRIM BUSHES | 891 | 20 | DAS |
| 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 6-26-89
BRIDGE DEFICIENCY REPORT - DISTRICT: 7

FROM: William A. Hopkins BRIDGE INSPECTOR
TO: LARRY SEABROOK ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON ~~STATE~~ CR ROUTE NO. 4399X HICKORY GROVE RD
OVER 401 I-75 NBL + SB @ 274.12 N IN COBB COUNTY.

| BRIDGE IDENTIFICATION NUMBER | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO. NO. | | | ROUTE NO. | | | | DO | ODOMETER | | | | | DR | M.SEC | | CH | |
| 1 | | 3 | 4 | | | 6 | 9 | 10 | | | | 14 | 15 | 16 | 17 | 18 | |
| 0 | 6 | 7 | 0 | 4 | 3 | 9 | 9 | X | 0 | 0 | 1 | 7 | 2 | E | | | C |

Serial No. 067-0140-0

| 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 | |
| R 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. | 00100 | C | 0689 | SEAL DECK JOINING @ ABUT # 1+5 (SILICONE) | | 16 | |
| 820 | MAN-HRS. | | | | | | 17 | |
| 822 | GAL.PAINT | ~~00010~~ | ~~B~~ | ~~0585~~ | ~~CLEAN & SPOT PAINT~~ BEAMS + BEARINGS | | 18 | |
| 824 | GAL.PAINT | 00421 | C | 0689 | CLEAN & PAINT BEAMS & BEARINGS | | 19 | |
| 830 | MAN-HRS. | 00056 | C | 0689 | CLEAN DECK GUTTERS & SPILWAYS / TRIM BUSHES DELINEATORS MISSING (ON COUNTY RD.) | | 20 | |
| 912 | MAN-HRS. | | | | | | 21 | |

COMMENTS: C-S-C BUILT IN 1977

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 5-06-87

FROM: WILLIAM A. HOPKINS BRIDGE INSPECTOR
TO: BERRY McWHORTER ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON ~~STATE~~ CR ROUTE NO. 4399 HICKORY GROVE RD.
OVER 401 I-75 NBL + S.B.L. IN COBB COUNTY.

| BRIDGE IDENTIFICATION NUMBER | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO. NO. | | | ROUTE NO. | | | | DG | ODOMETER | | | | | OR | N.GRID | | CH |
| 1 | 3 | | 4 | | | 8 | 9 | 10 | | | | 14 | 15 | 16 | 17 | 18 |
| 0 | 6 | 7 | 0 | 4 | 3 | 9 | 9 | X | 0 | 0 | 1 | 7 | 2 | E | | C |

SERIAL #
067-0140-0

| ITEM NO. | UNITS | REQ'D WORK (19–23) | P (24) | DATE REPORTED (25–28) | LOCATION | DATE COMPLETE (29–32) | CARD (33 34) | INT. |
|---|---|---|---|---|---|---|---|---|
| 204 | 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. | 00045 | C | 0587 | ~~SEAL DECK JOINT AT ABUT #1 SILICONE PULLING LOOSE~~ | | 07 | |
| 802 | LIN FT. | | | | | | 08 | |
| 804 | LIN FT. | | | | | | 09 | |
| 806 | SQ FT. | | | | | | 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 | | | | (SAME) ~~SPOT PAINT BEAMS + BEARINGS~~ | | 18 | |
| 824 | GAL. PAINT | 00210 | C | 0587 | CLEAN + PAINT STRUCTURAL STEEL | | 19 | |
| 830 | MAN-HRS. | | | | | | 20 | |
| R 912 | MAN-HRS. | | R | | | | 21 | |

COMMENTS: C-S-C BUILT IN 1977 HS-20
NOTE CONSTRUCTION GOING ON ON I-75 NBL+SBL NEW ASPHALT OVERLAY + NEW ASPH SHOULDERS NOT STRIPED YET + SHOULDER NOT DRESSED.

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: HOPKINS BRIDGE INSPECTOR
TO: BERRY McWHORTER ASST. DISTRICT ENGINEER, MAINTENANCE
DEFICIENCIES NOTED FOR STRUCTURE ON ~~STATE~~ ROUTE NO. 4399X (HICKORY GROVE RD)
OVER I-75 @ 274.12 N IN COBB COUNTY.

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

| ITEM NO. | UNITS | REQ'D WORK (19–23) | 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. | ~~[illegible]~~ | | | ~~SEAL LEAKING DECK JOINTS~~ | | 07 | |
| 802 | LIN FT. | | | | | | 08 | |
| 804 | LIN FT. | | | | | | 09 | |
| 806 | SQ FT. | | | | | | 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 | 0 0 0 1 ~~0~~ | ~~B~~ | ~~0 5 8 5~~ | ~~SPOT PAINT BEAMS + BEARING~~ | | 18 | |
| 824 | GAL. PAINT | | | | | | 19 | |
| 830 | MAN-HRS. | | | | | | 20 | |
| * 912 | MAN-HRS. | 0 0 1 1 2 | B | 0 5 8 5 | SLOPE PAVING AT NBL EDGE OF SHOULDER BROKEN | | 21 | |

COMMENTS: * TRUCKS USING AREA FOR PARKING SBL CAUSING SHOULDERS TO BE ROUGH + HAVE MUD HOLES. (SEE PHOTO) NEEDS REPAIR
REMOVE DEBRIS FROM BRIDGE DECK + TRIM BUSHES

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: Jimmy Lorren, Bridge Inspector DATE: 08-83

TO: Berry Mc Whorter, Asst. District Engineer, Maintenance

SUBJ: Deficiencies noted for the structure on ~~State~~ COUNTY Route No. 4399 (Hickory Grove Rd.) over I-75 @ 27412N in Cobb County.

Bridge ID: 067-04399X-00172E

| PRIORITY CODE | ITEM NO. | UNITS | REQUIRED | LOCATION | REPAIRS MADE DATE/INITIAL |
|---|---|---|---|---|---|
| | 204 | SQ YD/SLAB | | | |
| | 402 | LIN FT | | | |
| | 406 | MAN-HOURS | | | |
| | 510 | MAN-HOURS | | | |
| | 610 | MAN-HOURS | | | |
| | 612 | LIN FT | | | |
| B | 800 | LIN FT | ~~100~~ | ~~SEAL LEAKING DECK JOINTS.~~ | |
| | 802 | LIN FT | | | |
| | 804 | LIN FT | | | |
| | 806 | SQ FT | | | |
| | 808 | LIN FT | | | |
| | 810 | EACH | | | |
| | 812 | MAN-HOURS | | | |
| | 814 | MAN-HOURS | | | |
| | 816 | NO OF PILES | | | |
| | 818 | MAN-HOURS | | | |
| | 820 | MAN-HOURS | | | |
| | 822 | GAL PAINT | | | |
| | 824 | GAL PAINT | | | |
| | 830 | MAN-HOURS | | | |
| | 912 | MAN-HOURS | | | |

COMMENTS: Remove excessive accumulation of debris from bridge deck.

Substructure : Good
Superstructure : Good
Deck : Good

PRIORITY CODES:
A = Repair Requiring Immediate Action
B = Repair Requiring Scheduling
c = Preventative Maintenance

Upon repair of any of the noted deficiencies, please complete this form, and return to me for further processing.

James A. Lorren
Bridge Inspection Section