

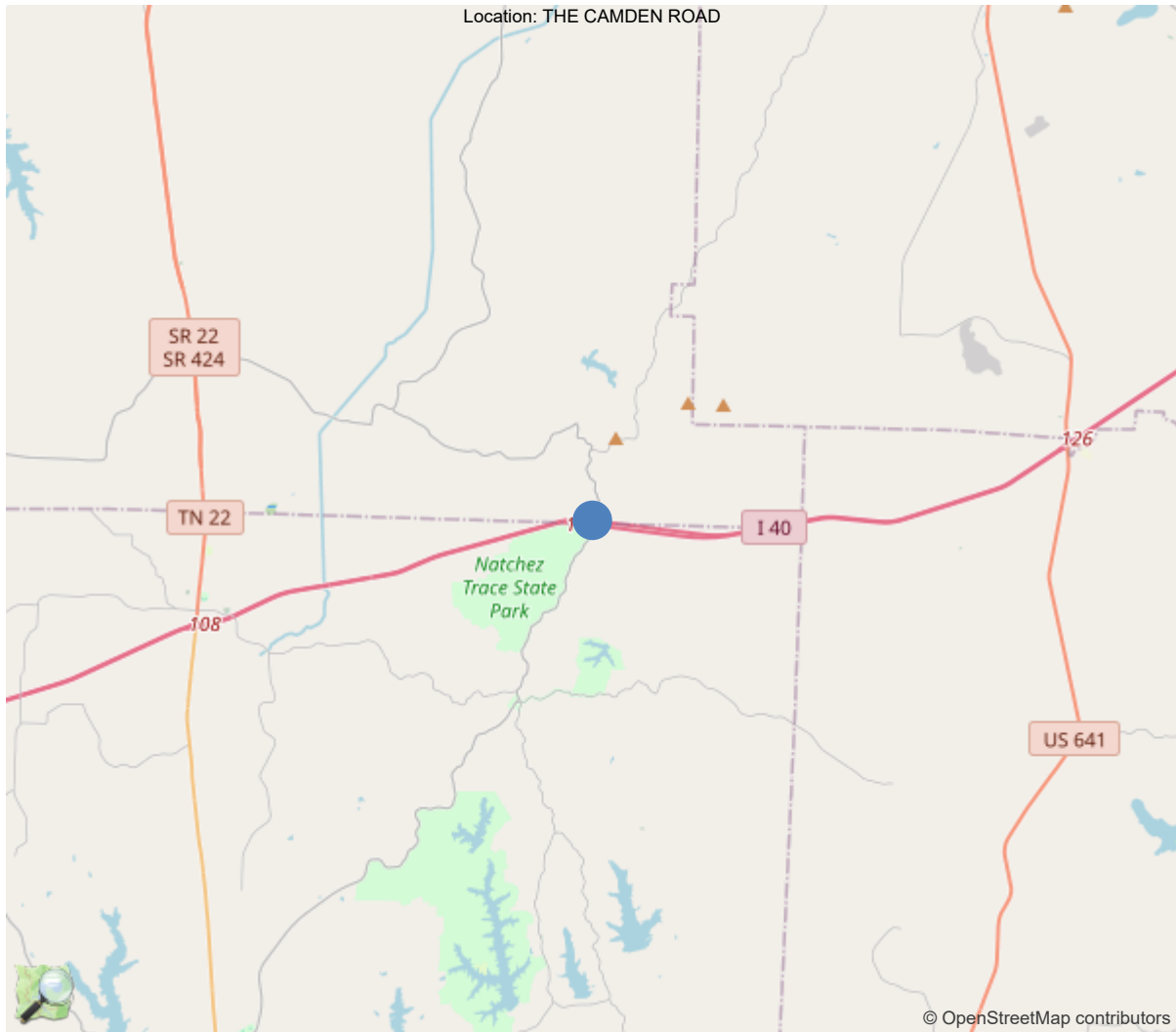


Latitude:35.81875, Longitude:-88.25208

Region 04, 39 - Henderson County

Team Leader: Jacob Kee

Inspectors: Jaylan Cox, Nathan Bedford, Jordan Fitts, Shayne Hayes, Ty Patrick



NATCHEZ TRACE RD. Crossing SR-114 / I-40 WBL

35.81875, -88.25208

90 - LAST INSPECTION DATE 06/04/2024

10 - MIN. V.C. OVER DECK 99.99 FT.  
(ROADWAY + SHOULDERS)

520 - MIN. V.C. OVER DECK 99.99 FT.  
(EXCLUDES SHOULDERS)

36 - TRAFFIC SAFETY FEATURES

| Br. Rail | Trans. | Appr. Rail | Terminal | SPEED LIM. |
|----------|--------|------------|----------|------------|
| 1        | 1      | 0          | 0        | 45         |

41 - STRC OPEN/CLOSED/POSTED P

58 - DECK 5

59 - SUPERSTRUCTURE 7

60 - SUBSTRUCTURE 5

61 - CHANL/CHANL PROTECTION N

62 - CULVERT AND RETAIN WALL N

71 - WATERWAY ADEQUACY N

72 - APPROACH RDWY ALIGNMENT 8

521 - OVERALL CONDITION 2 - Fair

16 - LATITUDE 17 - LONGITUDE

35.818750

-88.252083

N NOT APPLICABLE

9 EXCELLENT CONDITION

8 VERY GOOD CONDITION - NO PROBLEMS NOTED.

7 GOOD CONDITION - SOME MINOR PROBLEMS.

6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.

5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.

4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.

3 SERIOUS CONDITION - LOSS OF SECTION, DETERIORATION, SPALLING OR SCOUR HAVE SERIOUSLY AFFECTED PRIMARY STRUCTURAL COMPONENTS. LOCAL FAILURES ARE POSSIBLE. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT.

2 CRITICAL CONDITION - ADVANCED DETERIORATION OF PRIMARY STRUCTURAL ELEMENTS. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT OR SCOUR MAY HAVE REMOVED SUBSTRUCTURE SUPPORT. UNLESS CLOSELY MONITORED IT MAY BE NECESSARY TO CLOSE THE BRIDGE UNTIL CORRECTIVE ACTION IS TAKEN.

1 "IMMINENT" FAILURE CONDITION - MAJOR DETERIORATION OR SECTION LOSS PRESENT IN CRITICAL STRUCTURAL COMPONENTS OR OBVIOUS VERTICAL OR HORIZONTAL MOVEMENT AFFECTING STRUCTURAL STABILITY. BRIDGE IS CLOSED TO TRAFFIC BUT CORRECTIVE ACTION MAY PUT IT BACK IN LIGHT SERVICE.

0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORREC

TEAM LEADER SIGNATURE

| IDENTIFICATION                            |                                         |
|-------------------------------------------|-----------------------------------------|
| (1) State Names                           | 47 - Tennessee                          |
| (8) Structure Number                      | 39I00400041                             |
| (5) Inventory Route                       | 1                                       |
| (2) Highway Agency District               | Region 4                                |
| (3) County Code                           | 39 - Henderson                          |
| (4) Place Code                            | 00000                                   |
| (6) Features Intersected                  | SR-114 / I-40 WBL                       |
| (7) Facility Carried                      | FAS 114                                 |
| (9) Location                              | THE CAMDEN ROAD                         |
| (11) Mile Point                           | 26.480 mi                               |
| (12) Base Highway Network                 | No                                      |
| (13) LRS Inventory Rte & Subrte           |                                         |
| (16) Latitude                             | 35.818750                               |
| (17) Longitude                            | -88.252083                              |
| (98) Border Bridge State Code             |                                         |
| (99) Border Bridge Structure No.          |                                         |
| STRUCTURE TYPE AND MATERIAL               |                                         |
| (43) Main Structure Type                  | 24                                      |
| Material                                  | 2 - Concrete continuous                 |
| Type                                      | 4 - Tee beam                            |
| (44) Approach Structure Type              | 00                                      |
| Material                                  | 0 - Other / None                        |
| Type                                      | 0 - Other / None                        |
| (45) No. of Spans in Main Unit            | 3                                       |
| (46) No. of Approach Spans                | 0                                       |
| (107) Deck Structure Type                 | 1 - Concrete Cast-in-Place              |
| (108) Wearing Surface/Protective System   |                                         |
| Type of Wearing Surface                   | 2 - Integral Concrete (separate non-mo  |
| Type of Membrane                          | 0 - None                                |
| Type of Deck Protection                   | 0 - None                                |
| AGE AND SERVICE                           |                                         |
| (27) Year Built                           | 1961                                    |
| (106) Year Reconstructed                  | 0                                       |
| (42) Type of Service                      | 11                                      |
| On                                        | 1 - Highway                             |
| Under                                     | 1 - Highway, with or without pedestrian |
| (28) Lane                                 |                                         |
| On                                        | 2                                       |
| Under                                     | 2                                       |
| (29) Average Daily Traffic                | 256                                     |
| (30) Year of ADT                          | 2021                                    |
| (109) Truck ADT                           | 5 %                                     |
| (19) Bypass, Detour Length                | 8 mi                                    |
| GEOMETRIC DATA                            |                                         |
| (48) Length of Maximum Span               | 62.0 ft                                 |
| (49) Structure Length                     | 154.5 ft                                |
| (50) Curb or Sidewalk Width               |                                         |
| Left                                      | 0.0 ft                                  |
| Right                                     | 0.0 ft                                  |
| (51) Bridge Roadway Width Curb to Curb    | 26.5 ft                                 |
| (52) Deck Width Out to Out                | 28.5 ft                                 |
| (32) Approach Roadway Width (W/Shoulders) | 20.0 ft                                 |
| (33) Bridge Median                        | 0 - No median                           |
| (34) Skew                                 | 84 Deg                                  |
| (35) Structure Flared                     | 0 - No flare                            |
| (10) Inventory Route Min Vert Clear       | 99.99 ft                                |
| (47) Inventory Route Total Horiz Clear    | 26.5 ft                                 |
| (53) Min Vert Clear Over Bridge Rdwy      | 99.99 ft                                |
| (54) Min Vert Underclear                  | 16.08 ft                                |
| Ref:                                      |                                         |
| (55) Min Lat Underclear RT                | 17.0 ft                                 |
| Ref:                                      |                                         |
| (56) Min Lat Underclear LT                | 27.0 ft                                 |
| NAVIGATION DATA                           |                                         |
| (38) Navigation Control                   | N - Not applicable, no waterwa          |
| (111) Pier Protection                     |                                         |
| (39) Navigation Vertical Clearance        | 0.0 ft                                  |
| (116) Vert-Lift Bridge Nav Min Vert Clear | ft                                      |
| (40) Navigation Horizontal Clearance      | 0.0 ft                                  |

| CLASSIFICATION                         |                                            |
|----------------------------------------|--------------------------------------------|
| (112) NBIS Bridge Length               | Y                                          |
| (104) Highway System                   | 0                                          |
| (26) Functional Class                  | 7 - Rural Major Collector                  |
| (100) Defense Highway                  | 0 - The inventory route is not             |
| (101) Parallel Structure               | N - No parallel structure exis             |
| (102) Direction of Traffic             | 2 - way traffic                            |
| (103) Temporary Structure              |                                            |
| (105) Federal Lands Highways           | 0 - N/A                                    |
| (110) Designated National Network      | 0 - The inventory route is not             |
| (20) Toll                              | 3 - On free road. The structu              |
| (21) Maintain                          | 1 - State Highway Agency                   |
| (22) Owner                             | 1 - State Highway Agency                   |
| (37) Historical Significance           | 4 - Historical significance is             |
| CONDITION                              |                                            |
| (58) Deck                              | 5                                          |
| (59) Superstructure                    | 7                                          |
| (60) Substructure                      | 5                                          |
| (61) Channel & Channel Protection      | N                                          |
| (62) Culverts                          | N                                          |
| LOAD RATING AND POSTING                |                                            |
| (31) Design Load                       | 2 - M 13.5 / H 15                          |
| (63) Operating Rating Method           | 8                                          |
| (64) Operating Rating                  |                                            |
| Type                                   | 8 - Load and Resistance Factor Rating (LRF |
| Rating                                 | 27.22                                      |
| (65) Inventory Rating Method           | 8 - Load and Resistance Factor             |
| (66) Inventory Rating                  |                                            |
| Type                                   |                                            |
| Rating                                 | 21.06                                      |
| (70) Bridge Posting                    | 5 - Equal to or above legal loads          |
| (41) Structure Open/Posted/Closed      | P - Posted for load (may inclu             |
| APPRAISAL                              |                                            |
| (67) Structural Evaluation             | 5                                          |
| (68) Deck Geometry                     | 5                                          |
| (69) Clearances, Vertical/Horizontal   | 6                                          |
| (71) Waterway Adequacy                 | N                                          |
| (72) Approach Roadway Alignment        | 8                                          |
| (36A) Bridge Railings                  | 1 - Inspected feature meets current        |
| (36B) Transitions                      | 1 - Inspected feature meets current        |
| (36C) Approach Guardrail               | 0 - Inspected feature does not meet        |
| (36D) Approach Guardrail Ends          | 0 - Inspected feature does not meet        |
| (113) Scour Critical Bridges           | N - Bridge not over waterway.              |
| PROPOSED IMPROVEMENTS                  |                                            |
| (75) Type of Work                      | 35 - Bridge rehabilitation bec             |
| (76) Length of Structure Improvement   | 155.8 ft                                   |
| (94) Bridge Improvement Cost           | \$ 711                                     |
| (95) Roadway Improvement Cost          | \$ 72                                      |
| (96) Total Project Cost                | \$ 1067                                    |
| (97) Year of Improvement Cost Estimate | 2022                                       |
| (114) Future ADT                       | 392                                        |
| (115) Year of Future ADT               | 2042                                       |

| INSPECTIONS *                                                                                                                                                                                      |            |             |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------|
| (90) Inspection Date                                                                                                                                                                               | 06/04/2024 |             |      |
| (91) Frequency                                                                                                                                                                                     | 24         |             |      |
| (92) Critical Feature Inspection                                                                                                                                                                   | Done       | Freq. (Mon) | Date |
| A: Fracture Critical Detail                                                                                                                                                                        | No         |             |      |
| B: Underwater Inspection                                                                                                                                                                           | No         |             |      |
| C: Other Special Inspection                                                                                                                                                                        | No         |             |      |
| * The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted. |            |             |      |

## PERFORMANCE EVALUATION

Time of Day Inspected 10:10 am

Weather Conditions 74°F cloudy

Vehicles Observed Personal

## LIVE LOAD BEHAVIOR

Sub Horiz./ Vert. Defl (No)

Sub Vibration (No)

Super Horiz./ Vert. Defl (No)

Super Vibration (No)

## APPROACH

Alignment (Good)

Pavement (Fair)

Up to 1/8" cracks

Embankment (Good)

Approach Drains (Good)

## TRAFFIC SAFETY FEATURES

Bridge Railing Rating (Fair)

Transitions Rating (Good)

Guardrail Rating (Fair)

Light damage at approach 1 right

Guardrail Terminal Rating (Good)

## SIGNS POSTED ON ROUTE

Paddleboards No

Weight Limit Posted Yes

Vertical Clearance (<14'-6") No

Gross ..... Tons

Posted Height

Single-unit Vehicle 40 Tons

Narrow Bridge Signs No

Multi-unit Vehicle 40 Tons

One Lane Bridge Signs No

564 Assigned Bridge Name

Other Signs or Plaques

## ATTACHED SIGNS

| Sign No | Location | Text on Sign | Noted Defects |
|---------|----------|--------------|---------------|
|---------|----------|--------------|---------------|

## DECK

| Wearing Surface Type        |        | Concrete                                              | Wearing Surface Depth |
|-----------------------------|--------|-------------------------------------------------------|-----------------------|
| Wearing Surface             | (Fair) | Hairline cracks and damaged areas                     |                       |
| Deck - Structural Condition | (Fair) | Spalling and hairline map cracking with efflorescence |                       |
| Parapet                     | (Fair) | Up to 1/16" cracks w/ efflorescence                   |                       |

## SUPERSTRUCTURE

|                      |        |  |
|----------------------|--------|--|
| Bearing Devices      | (Good) |  |
| Girders              | (Good) |  |
| Diaphragms           | (Good) |  |
| Alignment of Members | (Good) |  |

## TEXTURE COAT

## ABUTMENTS

|                       |               |                         |
|-----------------------|---------------|-------------------------|
| Abutment Caps         | (Fair)        | Spalling & 1/32" cracks |
| Abutment Wings        | (Good)        |                         |
| Abutment Backwall     | (Good)        |                         |
| Abutment Plumb        | (Good)        |                         |
| Abutment Piles        | (Not Visible) |                         |
| Abutment Embankment   | (Good)        |                         |
| Abutment Slope Paving | (Good)        |                         |

## PIERS

## BENTS

|              |        |          |
|--------------|--------|----------|
| Bent Columns | (Fair) | Spalling |
| Bent Plumb   | (Good) |          |

### Inspection Team's Summary

This is a 3 span concrete deck girder bridge. Safety features are metal approach rails and concrete parapets. Asphalt roadway has up to 1/8" cracks along the overpass route. Concrete wearing surface has hairline cracks and spalling. Bottom deck has hairline cracks with efflorescence and spalling. Concrete deck girders have no problems. Substructure has hairline cracks with efflorescence and spalling.

Minimum vertical clearance is 16'1".

Bridge is posted at 40/40-ton weight limit along the overpass route.

### General Inspection Comment

### HQ notes to TL

| ELEMENTS                                    | DESCRIPTION                     | UNITS | TOTAL | CS1  | CS2 | CS3 | CS4 |
|---------------------------------------------|---------------------------------|-------|-------|------|-----|-----|-----|
| 12                                          | Re Concrete Deck                | SF    | 4404  | 3641 | 763 | 0   | 0   |
| 1080                                        | Delamination/Spall/Patched Area | SF    | 38    | 0    | 38  | 0   | 0   |
| 1090                                        | Exposed Rebar                   | SF    | 75    | 0    | 75  | 0   | 0   |
| 1120                                        | Efflorescence/Rust Staining     | SF    | 50    | 0    | 50  | 0   | 0   |
| 1130                                        | Cracking (RC and Other)         | SF    | 600   | 0    | 600 | 0   | 0   |
| (12) Element record added 2016-08-11.       |                                 |       |       |      |     |     |     |
| (1080-12) Element record added 2016-08-11.  |                                 |       |       |      |     |     |     |
| (1090-12) Element record added 2016-08-11.  |                                 |       |       |      |     |     |     |
| (1120-12) Element record added 4/7/2022     |                                 |       |       |      |     |     |     |
| (1130-12) Element record added 4/7/2022     |                                 |       |       |      |     |     |     |
| 110                                         | Re Conc Opn Girder/Beam         | LF    | 309   | 309  | 0   | 0   | 0   |
| (110) Element record added 2016-08-11.      |                                 |       |       |      |     |     |     |
| 205                                         | Re Conc Column                  | EA    | 4     | 2    | 2   | 0   | 0   |
| 1090                                        | Exposed Rebar                   | EA    | 2     | 0    | 2   | 0   | 0   |
| (205) Element record added 2016-08-11.      |                                 |       |       |      |     |     |     |
| (1090-205) Element record added 5/6/2020    |                                 |       |       |      |     |     |     |
| 215                                         | Re Conc Abutment                | LF    | 60    | 35   | 20  | 5   | 0   |
| 1090                                        | Exposed Rebar                   | LF    | 5     | 0    | 0   | 5   | 0   |
| 1120                                        | Efflorescence/Rust Staining     | LF    | 20    | 0    | 20  | 0   | 0   |
| (215) Element record added 2016-08-11.      |                                 |       |       |      |     |     |     |
| (1090-215) Element record added 2016-08-11. |                                 |       |       |      |     |     |     |
| (1120-215) Element record added 4/7/2022    |                                 |       |       |      |     |     |     |
| 311                                         | Moveable Bearing                | EA    | 4     | 2    | 2   | 0   | 0   |
| 1000                                        | Corrosion                       | EA    | 2     | 0    | 2   | 0   | 0   |
| (311) Element record added 2016-08-11.      |                                 |       |       |      |     |     |     |
| (1000-311) Element record added 5/6/2020    |                                 |       |       |      |     |     |     |
| 313                                         | Fixed Bearing                   | EA    | 4     | 4    | 0   | 0   | 0   |
| (313) Element record added 4/7/2022         |                                 |       |       |      |     |     |     |
| 331                                         | Re Conc Bridge Railing          | LF    | 309   | 282  | 27  | 0   | 0   |
| 1120                                        | Efflorescence/Rust Staining     | LF    | 2     | 0    | 2   | 0   | 0   |
| 1130                                        | Cracking (RC and Other)         | LF    | 25    | 0    | 25  | 0   | 0   |
| (331) Element record added 2016-08-11.      |                                 |       |       |      |     |     |     |

| ELEMENTS   | DESCRIPTION                   | UNITS | TOTAL | CS1 | CS2 | CS3 | CS4 |
|------------|-------------------------------|-------|-------|-----|-----|-----|-----|
| (1120-331) | Element record added 4/7/2022 |       |       |     |     |     |     |
| (1130-331) | Element record added 4/7/2022 |       |       |     |     |     |     |

## Equipment List

### General Inspection

- ☐ Pocket knife
- ☐ Sounding/chipping hammer
- ☐ Chain drag
- ☐ Range pole
- ☒ 25' rod - depth and clearance

### Visual Aid

- ☐ Binoculars
- ☐ Flashlight
- ☐ Magnifying glass
- ☐ Hand mirror

### Cleaning

- ☐ Wisk broom
- ☐ Wire brush
- ☐ Flat bladed screwdriver
- ☐ Hand shovel
- ☐ Penetrating oil (WD-40, etc.)

### Tools For Access

- ☐ Ladders
- ☐ Rope
- ☐ Waders
- ☐ Machete or bush axe

### Comment

### Tools For Measuring

- ☒ Masonry/Wood Ruler
- ☐ 6' Pocket Tape
- ☐ 25' and 100' Tape
- ☐ Calipers
- ☒ Thermometer
- ☐ Carpenter's Level
- ☐ String and Weighted line (plumb bob)

### Special Purpose Equipment

- ☐ Reach All
- ☐ Bucket Truck
- ☐ Traffic control
- ☐ Boat
- ☐ Sonar depth finder
- ☐ Increment borer
- ☐ Survey equipment
- ☐ Safety Harness
- ☐ Climbing equipment
- ☐ Dye penetrant
- ☐ Drone
- ☐ Air Meter

### Special Purpose Equipment

Dump truck and attenuator

### Reach-All Approval and Comments



Approach 1 weight limit sign @ 26.47 bridge



Left side



Approach 2 weight limit sign



Opposite direction of route



Approach 2 asphalt



Span 3 cracks



Span 3 spall



Span 2 crack



View across top deck



Span 1 spall



Span 1 parapet crack



Direction of route



Approach 1 right guardrail damage



Approach 1 asphalt



Right side



Bottom deck of span #2



Impending spall on bottom deck of span #3



Spall to steel on bottom deck of span #3



Spall to steel on bottom deck of span #2



Spall to steel on bottom deck of span #2



Span 1 bottom deck typical



Span 2 bottom deck spall to steel



Span 1 bottom deck impending spalls and spall to steel



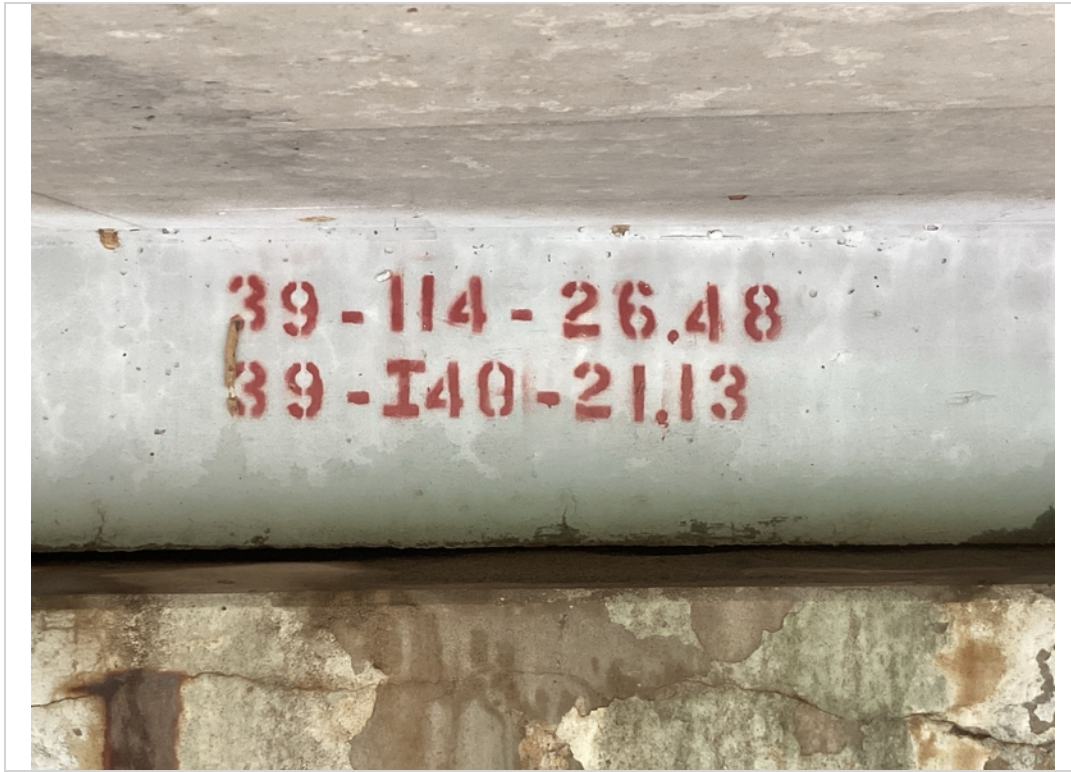
Bent #2 looking forward



Abutment #1



Bent #1 looking forward



Bridge number



Left elevation



Right elevation



Abut 2



Bent 2

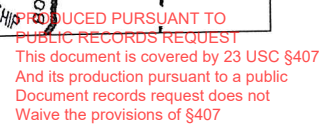


Spall steel abut 2

### Maintenance Recommendations

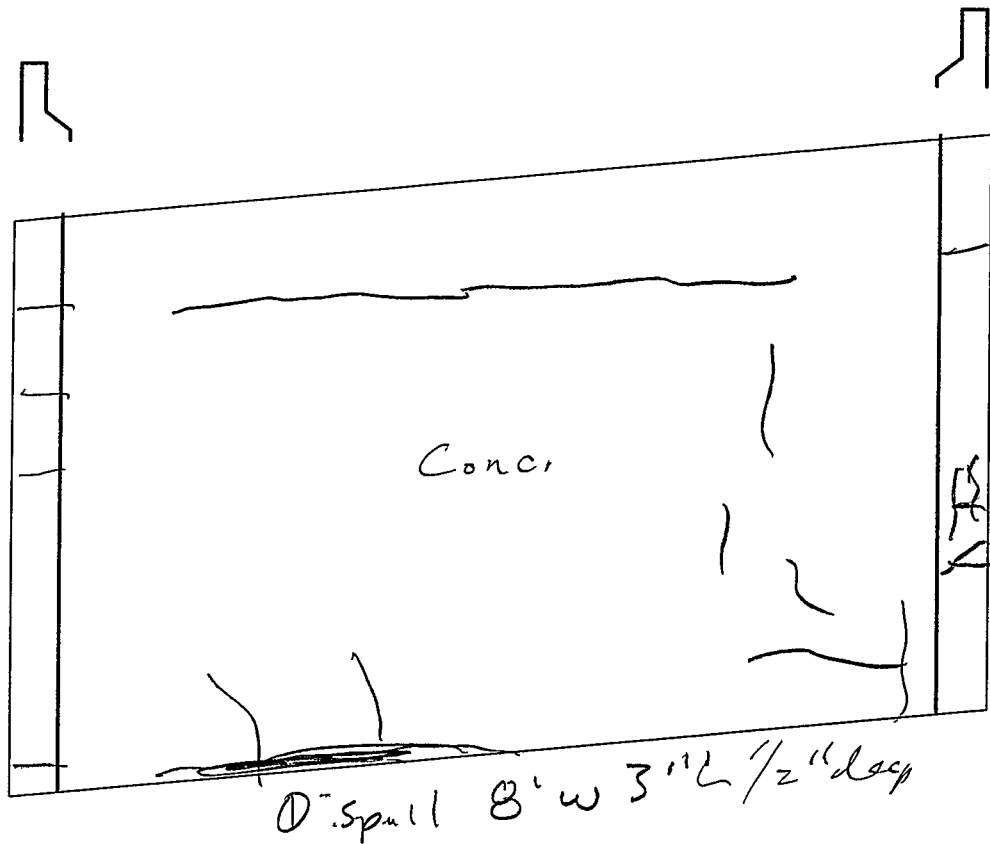
525 - Repair List #   N        523 - Repair List Add Date                           524 - Repair List Revise Date   4/7/2022   1

| Date Added | Recommendation                                               | Priority |
|------------|--------------------------------------------------------------|----------|
| 11/19/2001 | APPROACH GUARDRAILS ARE SUBSTANDARD                          |          |
| 07/14/2003 | UNDERPASS SUBSTRUCTURE PROTECTION GUARDRAILS ARE SUBSTANDARD |          |
| 05/07/2020 | APPROACH GUARDRAIL TERMINALS ARE SUBSTANDARD                 |          |
| 06/04/2024 | PATCH BOTTOM OF DECK IN ALL SPANS                            |          |
| 06/04/2024 | REPAIR BOTH ABUTMENT CAPS                                    |          |
| 04/08/2022 | CLEAN AND PAINT BEARINGS AT ABUTMENT NO.2                    |          |



39 114 26.48  
 Bridge No. Co. Route Log Mile R/L Skew

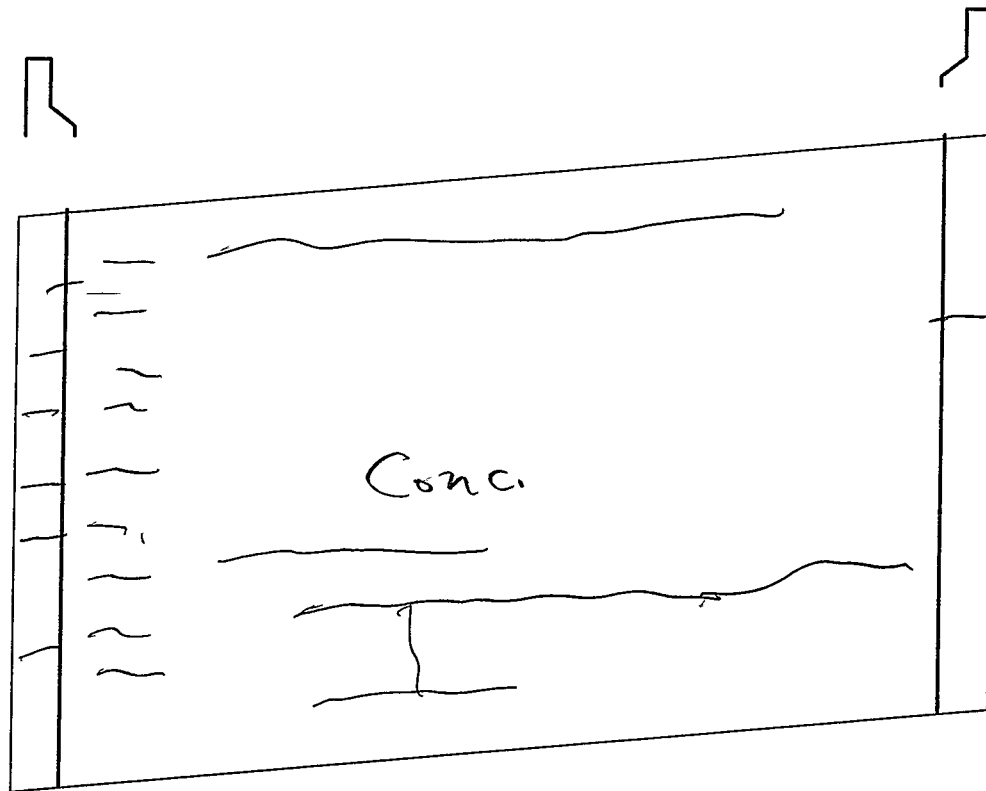
SPAN. NO. 1



| ELEMENT  | RATING             | COMMENT                         |
|----------|--------------------|---------------------------------|
| TOP DECK | G <del>F</del> P C | Hairline cracks ①               |
| PARAPET  | G <del>F</del> P C | up to 1/16" cracks with asphalt |
| DRAINS   | G F P C            | N/A                             |
|          | G F P C            |                                 |
|          | G F P C            |                                 |

39 114 26.48  
 Bridge No. Co. Route Log Mile R/L Skew

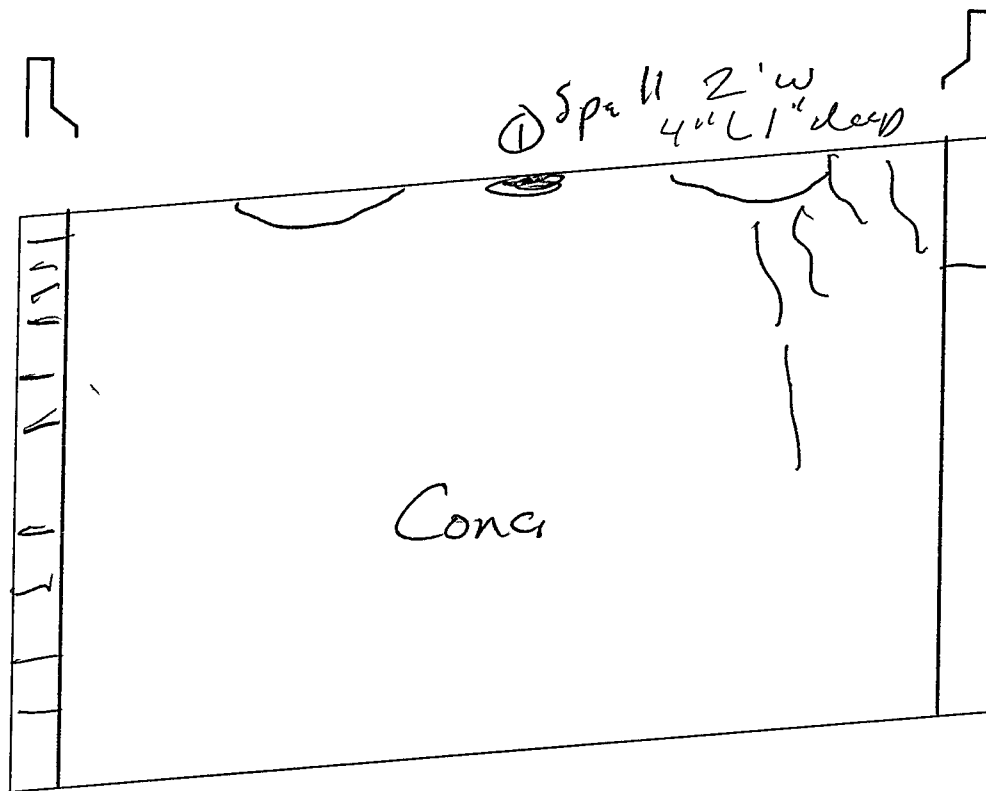
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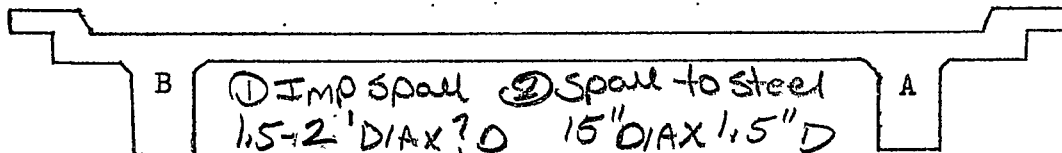
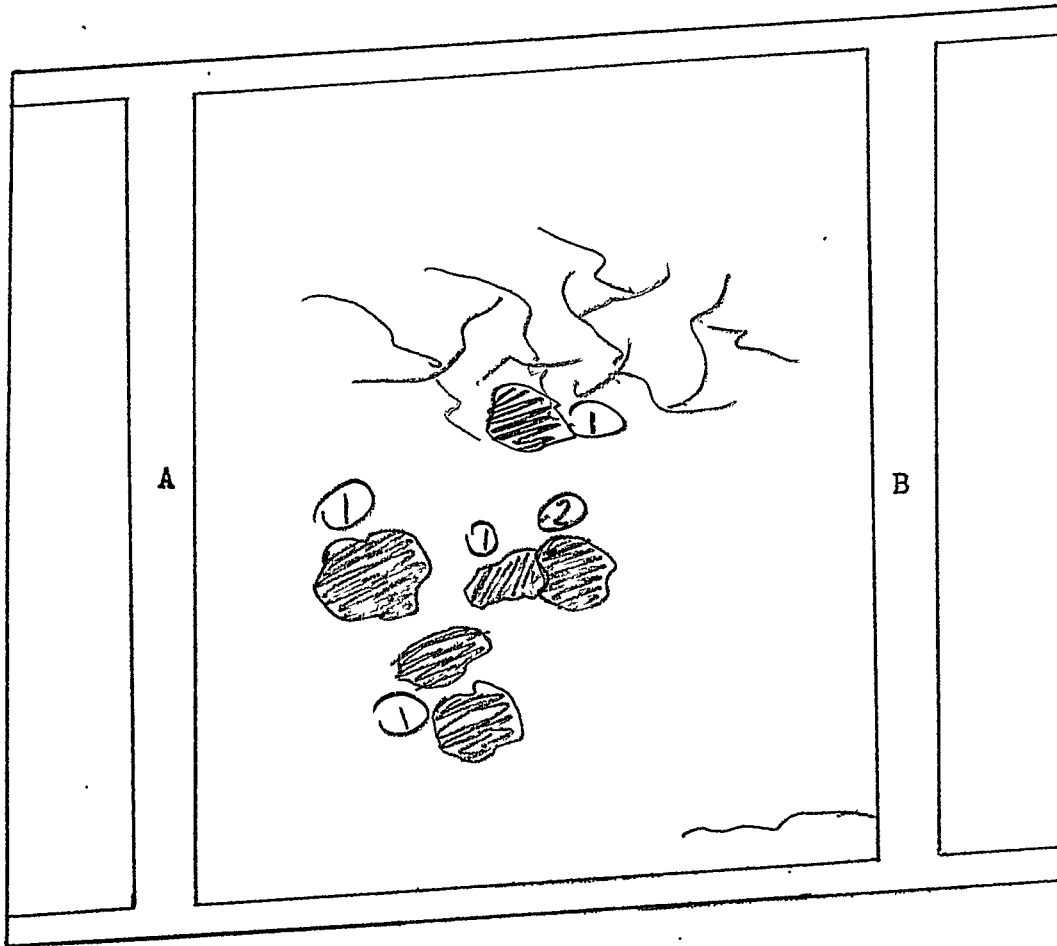
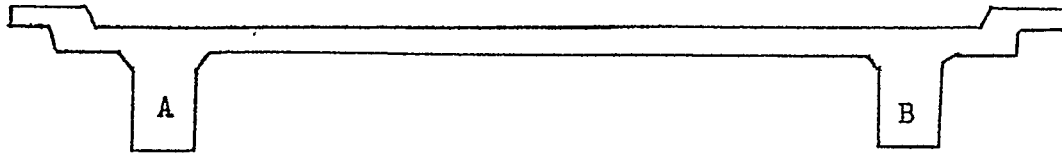
| ELEMENT  | RATING             | COMMENT                     |
|----------|--------------------|-----------------------------|
| TOP DECK | G <sup>F</sup> P C | Hamline cracks              |
| PARAPET  | G <sup>F</sup> P C | Up to 1/16" cracks with eff |
| DRAINS   | G F P C            | N/A                         |
|          | G F P C            |                             |
|          | G F P C            |                             |

39 114 26.48  
 Bridge No. Co. Route Log Mile R/L Skew

SPAN. NO. 3



| ELEMENT  | RATING             | COMMENT                     |
|----------|--------------------|-----------------------------|
| TOP DECK | G <del>F</del> P C | Hairline cracks             |
| PARAPET  | G <del>F</del> P C | Up to 1/16" cracks with eff |
| DRAINS   | G F P C            | W/ff                        |
|          | G F P C            |                             |
|          | G F P C            |                             |



ELEMENT

RATING

COMMENT

BOTTOM DECK

G/F P C

1 2 HL map Cracks w/ EFF

GIRDER A

G/F P C

B

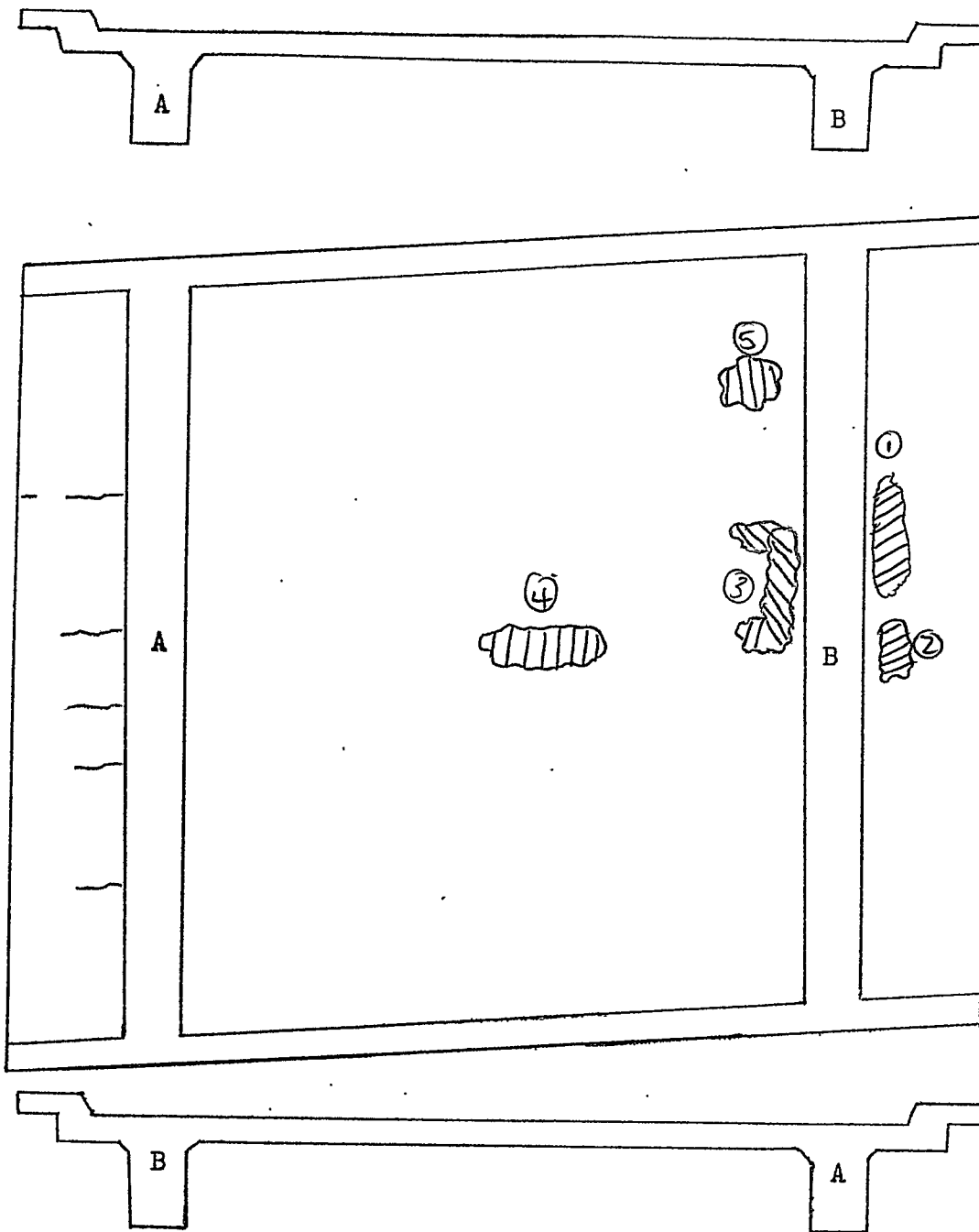
G/F P C

BACKWALLS

G/F P C

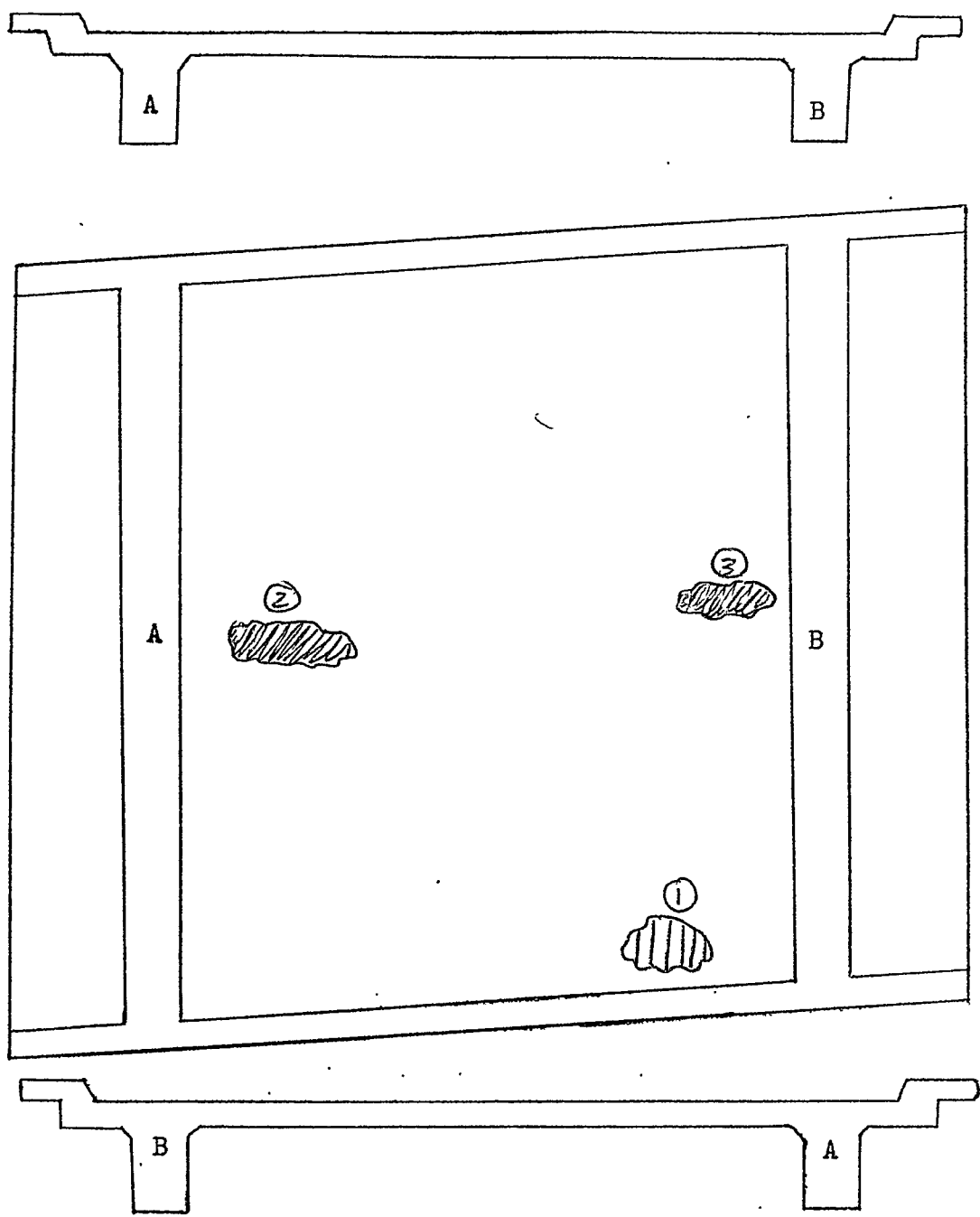
DIA.

G/F P C



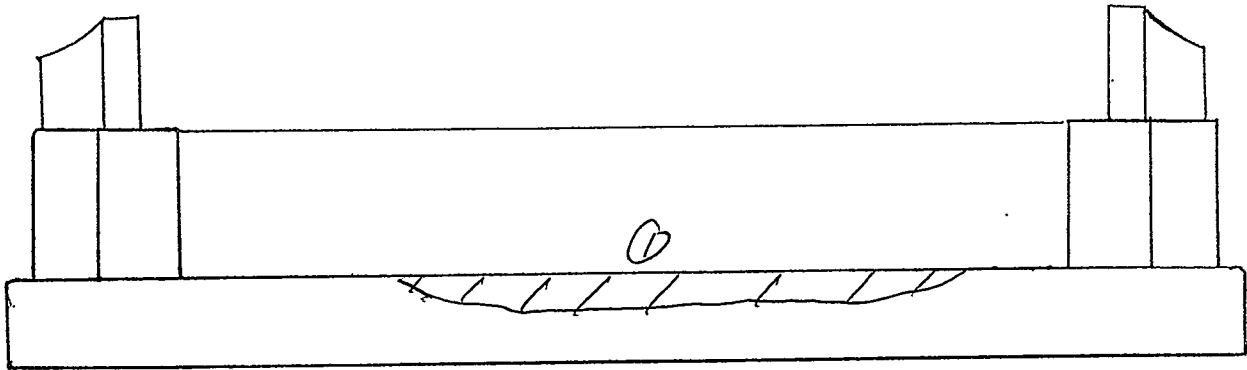
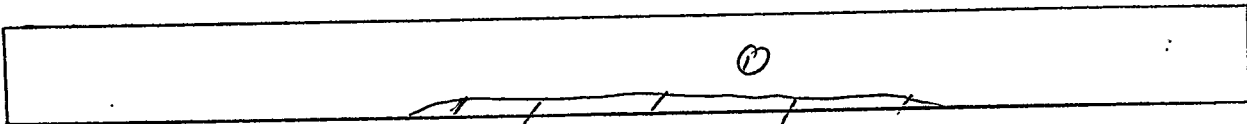
| ELEMENT     | RATING    | COMMENT                                    |
|-------------|-----------|--------------------------------------------|
| BOTTOM DECK | G (F) P C | hairline cracks w/eff, see 1-5             |
| GIRDER A    | (G) F P C |                                            |
| B:          | (G) F P C |                                            |
| BACKWALLS   | (G) F P C |                                            |
| DIA.        | (G) F P C |                                            |
|             |           | ① 4' L x 2' W x 1 1/2" D<br>Spall to steel |
|             |           | ② 2' in dia x 1 1/2" D<br>Spall to steel   |
|             |           | ③ 5' L x 2' W x 1 1/2" D<br>Spall to steel |
|             |           | ④ 3' L x 1 1/2" D<br>Spall to steel        |
|             |           | ⑤ 3' in dia x 1 1/2" D<br>Spall to steel   |

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 records request does not  
 waive the provisions of §407



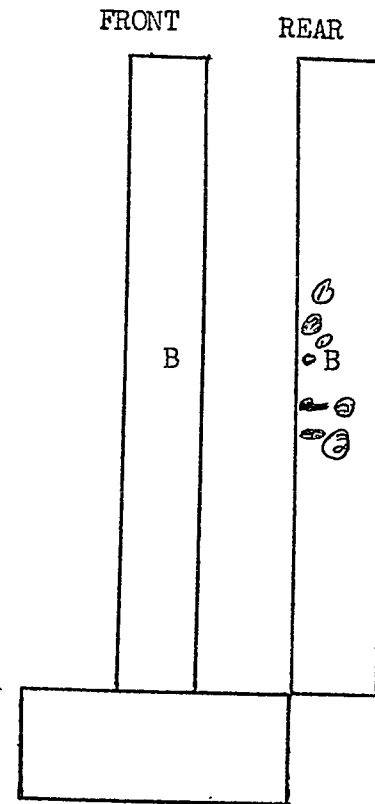
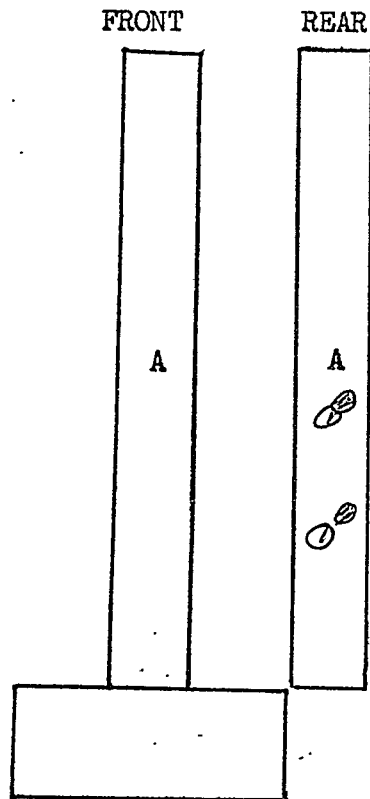
| ELEMENT     |   | RATING    | COMMENT |
|-------------|---|-----------|---------|
| BOTTOM DECK |   | G (F) P C | See 1-3 |
| GIRDER      | A | G (F) P C |         |
|             | B | G (F) P C |         |
| BACKWALLS   |   | G (F) P C |         |
| DIA.        |   | G (F) P C |         |

- ① 2 1/2' in dia x 1 1/2" D  
Spall to Steel
- ② 3 1/2' w x 1 1/2' L x ? D  
Impending Spall
- ③ 2' L x 2 1/2' w x ? D  
Impending Spall

BR. NO. 3911.42648ABUT. NO. 1LOOKING BACK

PLAN VIEW

| ELEMENT                            | RATING  | COMMENT                                  |
|------------------------------------|---------|------------------------------------------|
| BEARINGS                           | G F P C | ① imp spill 11' wide<br>8' tall 14' long |
| CAP                                | G F P C |                                          |
| PILING                             | G F P C | N/V                                      |
| WINGS                              | G F P C |                                          |
| EMB.                               | G F P C |                                          |
| VEG.                               | G F P C |                                          |
| <del>REP RAP</del><br>Slope Paving | G F P C |                                          |



| ELEMENT | RATING | COMMENT |
|---------|--------|---------|
|---------|--------|---------|

|        |   |           |
|--------|---|-----------|
| COLUMN | A | G (F) P C |
|--------|---|-----------|

①

|        |   |           |
|--------|---|-----------|
| COLUMN | B | G (F) P C |
|--------|---|-----------|

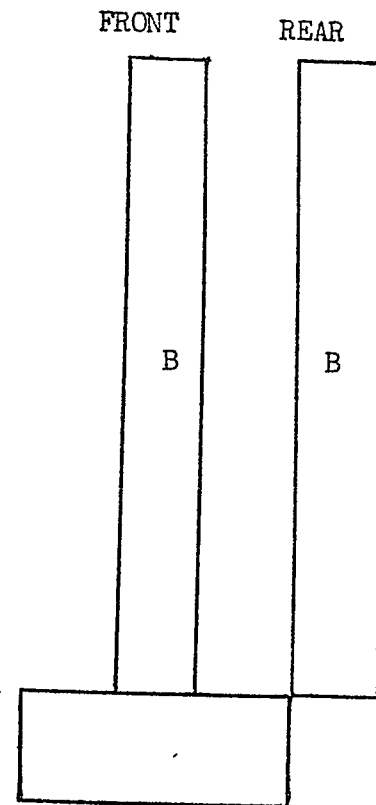
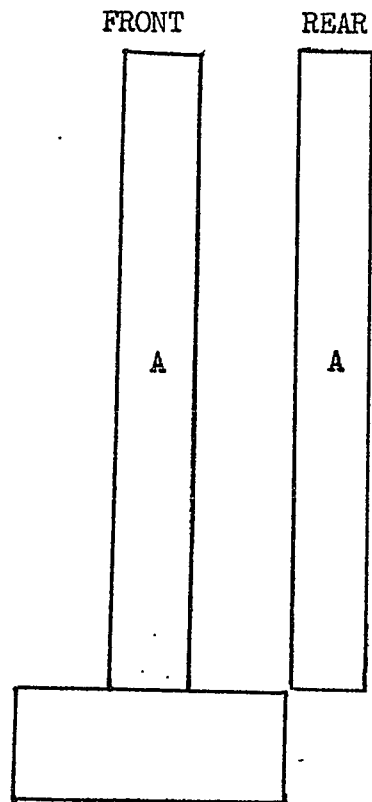
②

|         |  |         |
|---------|--|---------|
| FOOTING |  | G F P C |
|---------|--|---------|

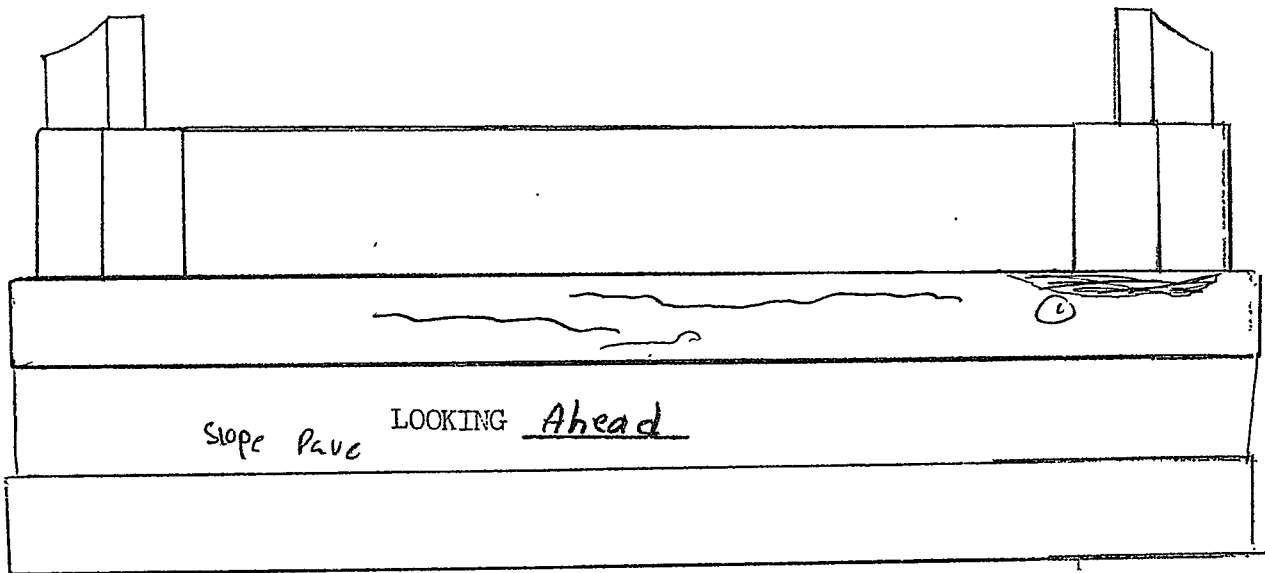
n/v

|          |  |           |
|----------|--|-----------|
| BEARINGS |  | G (F) P C |
|----------|--|-----------|

① Spall to steel 6" dia  
1/2" deep  
② Spall to steel  
16" wide 1/2" deep



| ELEMENT  |   | RATING  | COMMENT |
|----------|---|---------|---------|
| COLUMN   | A | G F P C |         |
| COLUMN   | B | G F P C |         |
| FOOTING  |   | G F P C | N/V     |
| BEARINGS |   | G F P C |         |



PLAN VIEW

| ELEMENT    | RATING                  | COMMENT                                       |
|------------|-------------------------|-----------------------------------------------|
| BEARINGS   | G $\textcircled{F}$ P C | rust                                          |
| CAP        | G $\textcircled{F}$ P C | see $\textcircled{1}$ $\frac{1}{32}$ " cracks |
| PILING     | G F P C                 | N/A                                           |
| WINGS      | G $\textcircled{F}$ P C |                                               |
| EMB.       | G $\textcircled{F}$ P C |                                               |
| VEG.       | G $\textcircled{F}$ P C |                                               |
| RIP RAP    | G F P C                 |                                               |
| Slope pave | G $\textcircled{1}$     |                                               |

# INSPECTION REPORT FOR UNDERPASS ROUTE

Page No. \_\_\_\_\_

Field Report No. \_\_\_\_\_ Date \_\_\_\_\_  
Previous Report No. \_\_\_\_\_ Date \_\_\_\_\_

Bridge No. 39I00400041  
Eleven Digit No.

39 - SR114 - 2648  
Co. Route Log Mile

Over/  
Under

39 - I0040 - 2113 2  
Co. Route Log Mile

or

Co. Route Log Mile

or

Co. Route Log Mile

Railroad/Walkway

County Henderson

Road Name: \_\_\_\_\_

Year Constructed 1961

Structure Name (If Named) \_\_\_\_\_

Year Widened \_\_\_\_\_

Year Rehabilitated \_\_\_\_\_

## GEOMETRIC FEATURES UNDER BRIDGE (\*. \* ft. unless otherwise noted)

Divided Highway LEFT RDWY ( ) RIGHT RDWY ( ) N.A. ( )

Type of Wearing Surface CONCRETE ( ) ASPHALT ( ) GRAVEL ( )

Width of Approach Traveled Roadway 24 ft. (Does Not Include Shoulders)

Width of Median if Divided Highway \_\_\_\_\_ ft.

Approach Shoulder Width 12 ft. Right 5 ft. Left

\*Horizontal Clearance Under Bridge 68 ft. 0 in.

\*Distance Between Pier Protection  
Guardrail and Substructure 5 ft. Right 22 ft. Left

\*Width of Sidewalk Under Bridge \_\_\_\_\_ ft. Right \_\_\_\_\_ ft. Left

\*Minimum Vertical Clearance: 16 ft. 1 in.

\*Show on Sketch

## TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

|                                    |           | STANDARD | SUB-STANDARD | NON EXIST |
|------------------------------------|-----------|----------|--------------|-----------|
| Pier Protection Railing or Parapet | G (F) P C | ( )      | (X)          | ( )       |
| Approach Guardrail Transitions     | G F P C   | ( )      | ( )          | (X)       |
| Approach Guardrail                 | G (F) P C | ( )      | (X)          | ( )       |
| Approach Guardrail Terminal        | (G) F P C | (X)      | ( )          | ( )       |

## SIGNING FOR UNDERPASS ROUTE

Paddleboards YES ( ) NO (X) NEEDED ( )

Vertical Clearance (<14'-6") YES ( ) NO (X) NEEDED ( )

Narrow Passage YES ( ) NO (X) NEEDED ( )

One Lane Passage YES ( ) NO (X) NEEDED ( )

Other Underpass Signs Needed

## INSPECTORS

1. Lee  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

Form BIR 3.0A (Continued)  
(Rev. 9-22-98)  
DT-1443

Page No. \_\_\_\_\_

Date \_\_\_\_\_

39 - SR114 - 2648

Co. Route Log Mile

over/u  
nder

39 - I0040 - 2113

Co. Route Log Mile

or

- -  
Co. Route Log Mile

or

- -  
Co. Route Log Mile

Other Signs or Plaques:       

Comments Regarding any  
Problems with Signing:       

**BRIDGE FEATURES** (\*.\* ft.)

Bridge Skew 84R °

Structure Type (Main Span) C. D. G. No. Main Spans 3

Structure Type (Appr.Spans) \_\_\_\_\_ No. Appr. Spans \_\_\_\_\_

Maximum Span Length 62.0 (ft.) Total Length 154.5 (ft.)

Width of Bridge Out-to-Out 28.6 (ft.) Right Angle to Centerline of Bridge

Width of Bridge Along Skew \_\_\_\_\_ (ft.) (If Unable to Measure at Right  
Angle to Centerline of Bridge)

Number of Lanes/Tracks on Bridge 2

**BRIDGE CONDITION:**

G (F) P C

Does Potential Exist for Elements from Bridge Falling on Roadway Beneath? YES ( ) NO (X)

Does Potential Exist Because of Deteriorated Condition or Failure of Major Members YES ( ) NO (X)

Comment on any Conditions of Bridge that would Effect Roadway Beneath:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note: If Underpass Route is Divided Highway, Use Two of These Forms, One for Each Roadway.

**MINIMUM PICTURES REQUIRED**

1. Elevation View of Bridge on Both Sides Showing Underpass
2. View Showing Both Approaches to Bridge
3. View Showing Safety Features
4. View Showing Any Problems

BRIDGE LOC. NO. 39 SR114 2648  
CO. ROUTE L. M. L/R

DATE: \_\_\_\_\_

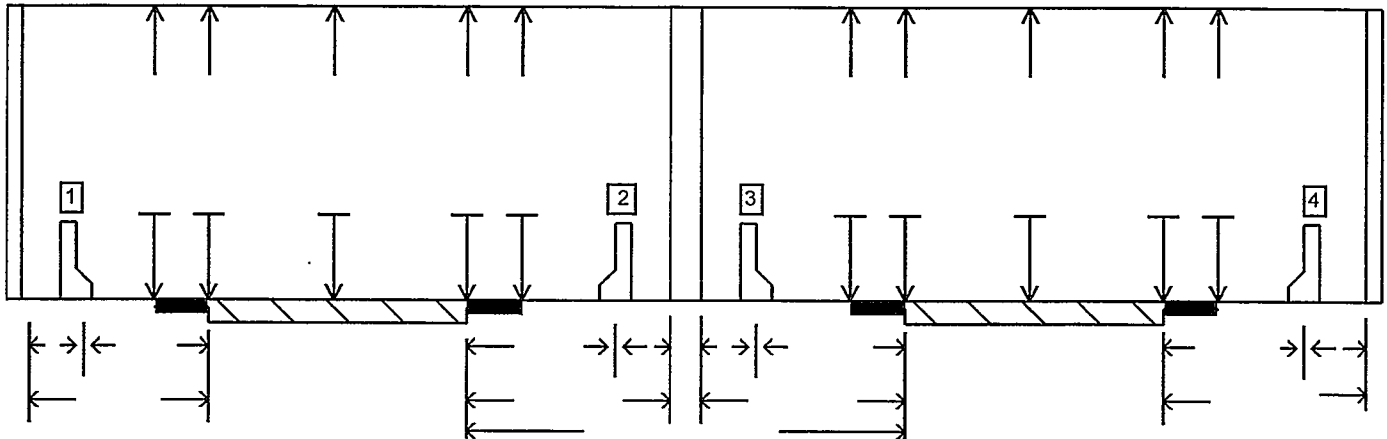
LATERAL AND VERTICAL CLEARANCES

39 - I0040 - 2113  
Co. Route Log Mile

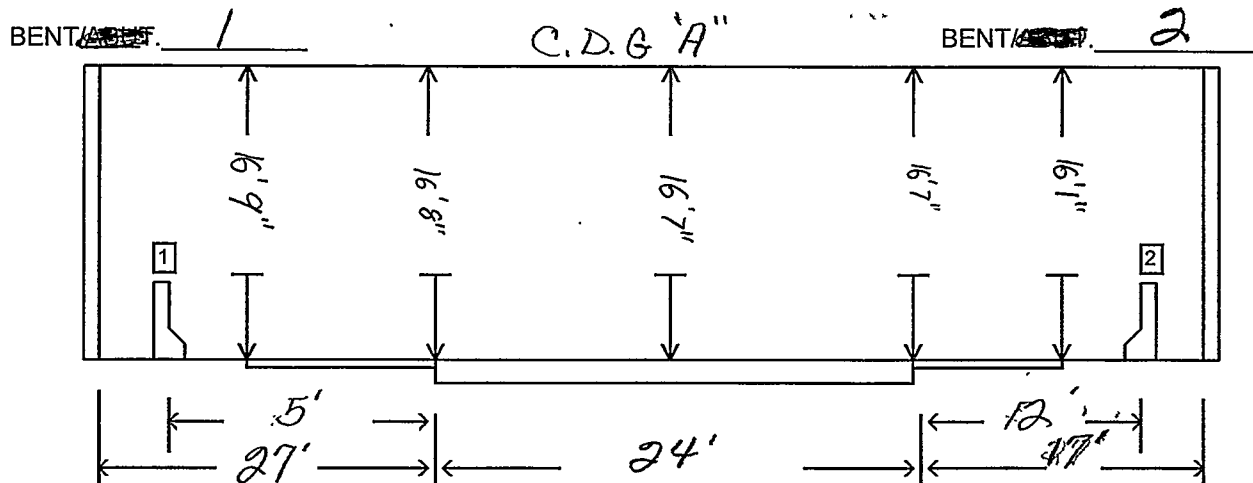
or - -  
Co. Route Log Mile

or - -  
Co. Route Log Mile

BENT/ABUT. \_\_\_\_\_ BENT \_\_\_\_\_ BENT/ABUT. \_\_\_\_\_



- |                       |         |                                     |               |                          |      |                          |
|-----------------------|---------|-------------------------------------|---------------|--------------------------|------|--------------------------|
| 1. RAIL/BARRIER TYPE: | W-SHAPE | <input checked="" type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 2. RAIL/BARRIER TYPE: | W-SHAPE | <input checked="" type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 3. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/>            | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 4. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/>            | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |



BENT/ABUT. \_\_\_\_\_ BENT/ABUT. \_\_\_\_\_

