



## SCDOT BRIDGE INSPECTION FORM

6 of 103

(008) BRIDGE ID: 3210002040300

(009) LOCATION: 3MI E OF LEX

(005) ROUTE: LEXINGTON I- 20

(026) FUNCTIONAL CLASS: 11

(006) CROSSING: SOUTHERN RWY &amp; FRTG RD

## GENERAL BRIDGE DATA

	EXISTING	REVISED		EXISTING SUP-SUB	REVISED SUP-SUB
(027) YEAR BUILT	1965		(043) MAIN ORIGINAL (A)	5 02 1	
(106) YEAR RECON	0		MAIN RECONST (B)		
(031) DESIGN LOAD	5		(044) APPR ORIGINAL (A)	0 00 0	
(032) APPR RDWAY	36		APPR RECONST (B)		
(033) BRIDGE MEDIAN	0		(107) DECK STRUCT	1	
(034) SKEW	45		(108) WEAR SURF	1 8 8	
(035) FLARED	0		(045) # MAIN SPANS	4	
(36A) RAILINGS	1		(046) # APPR SPANS	0	
(36B) TRANSITIONS	1		(048) MAX SPAN LGTH	60	
(36C) APPR GUARD	1		(308) APPR SPAN LGTH	0	
(36D) APPR GUARD END	1		(049) STRUCT LENGTH	230	
(041) TRAFFIC STATUS	A		(037) HISTORY	5	

## GEOMETRIC DATA

	EXISTING	REVISED		EXISTING	REVISED
(038) NAVIGATION CONT	N		(042) TYPE SERV; (A)-(B)	1 4	
(039) NAV VERT CLEAR	0		(028) LANES; ON(A) UND(B)	2 2	
(040) NAV HORZ CLEAR	0		(47A) HORZ CLEAR RIGHT	36	
(111) NAV PIER PROT			(47B) HORZ CLEAR LEFT	0	
(10A) GREAT MIN OVER	FT IN	FT IN	(47UA) HORZ CLEAR RIGHT	40	
UNDERCLEARANCES	99 99		(47UB) HORZ CLEAR LEFT	0	
(10B) GREAT MIN RIGHT	22 3		(50B) SIDEWALK RIGHT	0	
(10C) GREAT MIN LEFT	0 0		(50A) SIDEWALK LEFT	0	
(54A) VERT CLEAR REF	H		(051) CURB TO CURB	36	
(54B) VERT CLEAR RIGHT	22 0		(052) DECK OUT-OUT	39	
(54C) VERT CLEAR LEFT	0 0		(053) VERT CLEARANCE	FT IN	FT IN
(55A) LAT CLEAR REF	H		ABOVE DECK	99 99	
(55B) LAT CLEAR RIGHT	7				
(55C) LAT CLEAR LEFT	0				

## CONDITION RATINGS

	EXISTING	REVISED		EXISTING	REVISED
(063) OPERATING RATING METHOD	1		(58) DECK	7	
(064) OPERATING RATING	73		(59) SUPER STR	<del>7</del>	6
(065) INVENTORY RATING METHOD	1		(60) SUB STR	5	
(066) INVENTORY RATING	56		(061) CHANNEL	N	
(319) LAST PAINT DATE			(062) CULV RET	N	

## CRITICAL INSPECTION DATA

	EXISTING	REVISED
(090) INSP DATE	12/2011	12/13
(091) INSP FREQ	24	
(113) SCOUR CRITICAL	N	
	INTERVAL MTH YR	INTERVAL MTH YR
(93A) FRACTURE	N	
(93B) UNDERWATER	N	
(93C) SPECIAL	N	

## APPRAISAL RATINGS

	EXISTING	REVISED
(067) STRUCTURE	5	GEN
(068) DECK GEOM	4	GEN
(069) UNDERCLEAR	4	GEN
(070) BRIDGE POST	5	GEN
(071) WATER ADEQ	N	
(072) APPR RDWAY	8	
(411) LOAD RATING ID		

# 4606

HAK

09/19/2013

## **Bridge Element Group Textual Data**

**Bridge ID:** 32-1-00020-4-03-00

03 Dec-2013

### **Abutments and/or Headwalls:**

Water seeping through construction joint between top of cap and bottom of headwall. Hairline cracks and minor spalls in headwalls in area of beams.

### **Bents and/or Piers:**

(5) Moderate size spalls at bearing area on caps 2 & 4 and on underside of cap bent 4 w/rust, (see photo). Hairline cracks on caps 2 & 3. Patched areas on caps are cracked and breaking loose.

### **Bearings:**

Heavy rust on bearings (may be frozen in place). Beam 4 span 4 bent 4 has a loose anchor bolt nut, left side.

### **Girders/Floor Beams/Stringers and/or Beams:**

(6) Hairline cracks & moderate spalls on ends of beams at filler area behind bearings, (see photo). Diaphragms have hairline cracks and minor spalls w/rust. Beam 1 span 1 bent 2 has a moderate spall at bearing.

### **Truss Members:**

**Expansion Joints:**

Expansion material is cracked, missing, and pulling loose.

**Decks and/or Slabs:**

(7) Moderate scaling and hairline map cracking on deck.

**Curbs:****Bridge Railing/Parapets and/or Median Barriers:**

Bridge and approach rail in place. Missing transitions from bridge rail to approach rail, West end, both sides.

**Paint System(s):**

**Waterway and Scour:**

**Fender System:**

**Roadway Alignment:**

**Traffic Signs:**

2 bridge end signs in place on I-20. 1 bridge end sign in place, 1 missing on frontage road. 20'6" edge of road to column.

**Encroachments:**

**Miscellaneous Notes:**

GPS: 33-58-23, 81-11-50.

# Sketch Sheet

DATE 3 Dec 2013

STRUCTURE NUMBER 3210002040300

ROAD NUMBER I-26

COUNTY Lexington

CROSSING Southern RWY & Frtg. Rd

RESTRICTION \_\_\_\_\_

## Caps

Cap bent 1 has a 1' vert. h/l crack under beam 3.

Cap bent 2 has:

H/l cracks at patched area under beam 1, East side.

1' vert. h/l crack between columns 1 & 2, East side.

3' trans. h/l crack bottom of cap between columns 1 & 2.

3ea 3' trans. h/l cracks bottom of cap between columns 2 & 3.

3ea 1' vert. h/l cracks between columns 2 & 3, East side.

1' long. h/l crack bottom of cap between columns 2 & 3.

Cap bent 3 has:

H/l cracks in patched area under beam 1, East side.

2' trans. h/l crack bottom of cap between columns 1 & 2.

Cap bent 4 has:

H/l cracks in patched area under beam 1, both sides.

Moderate spalls w/rust bottom of cap between columns 1 & 2, 1'x3'.

Large spall w/rust under beam 2, 1'x3', West side, (see photo).

Moderate spalls w/rust bottom of cap between columns 2 & 3, 3'x10', (see photo).

Large spall w/rust under beam 5, 1'x3', West side, (see photo).

Cap bent 5 has a 2' vert. h/l crack under beam 2.

3210002040300 I-20 Southern R/R & FRT Road 12/3/13

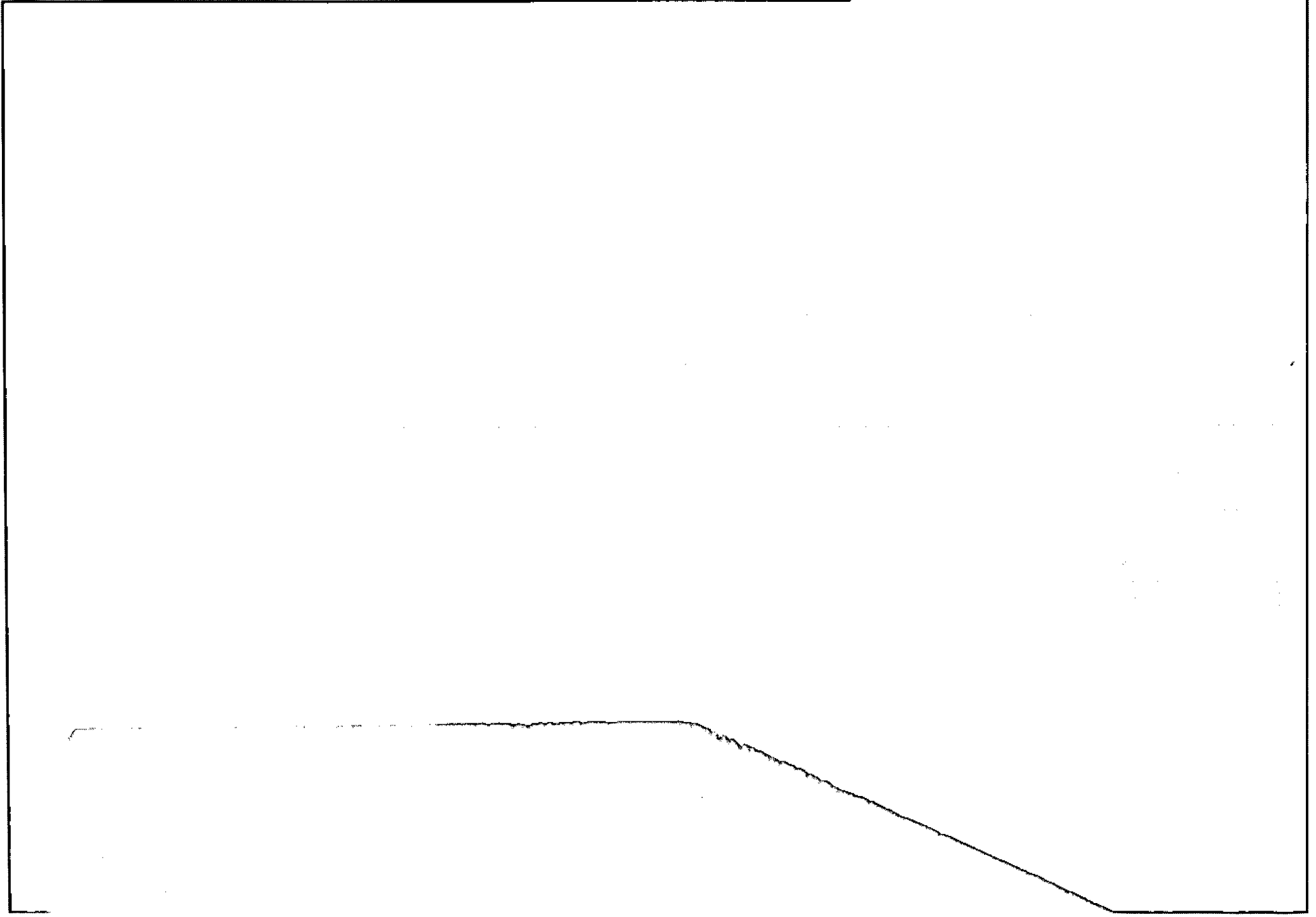
Beam 5 bent 2 span 1 has a moderate spall w/rust.



**3210002040300 I-20 Southern R/R & FRT Road 12/3/13**  
**Beam 5 bent 2 span 1 has a large spall w/rust.**

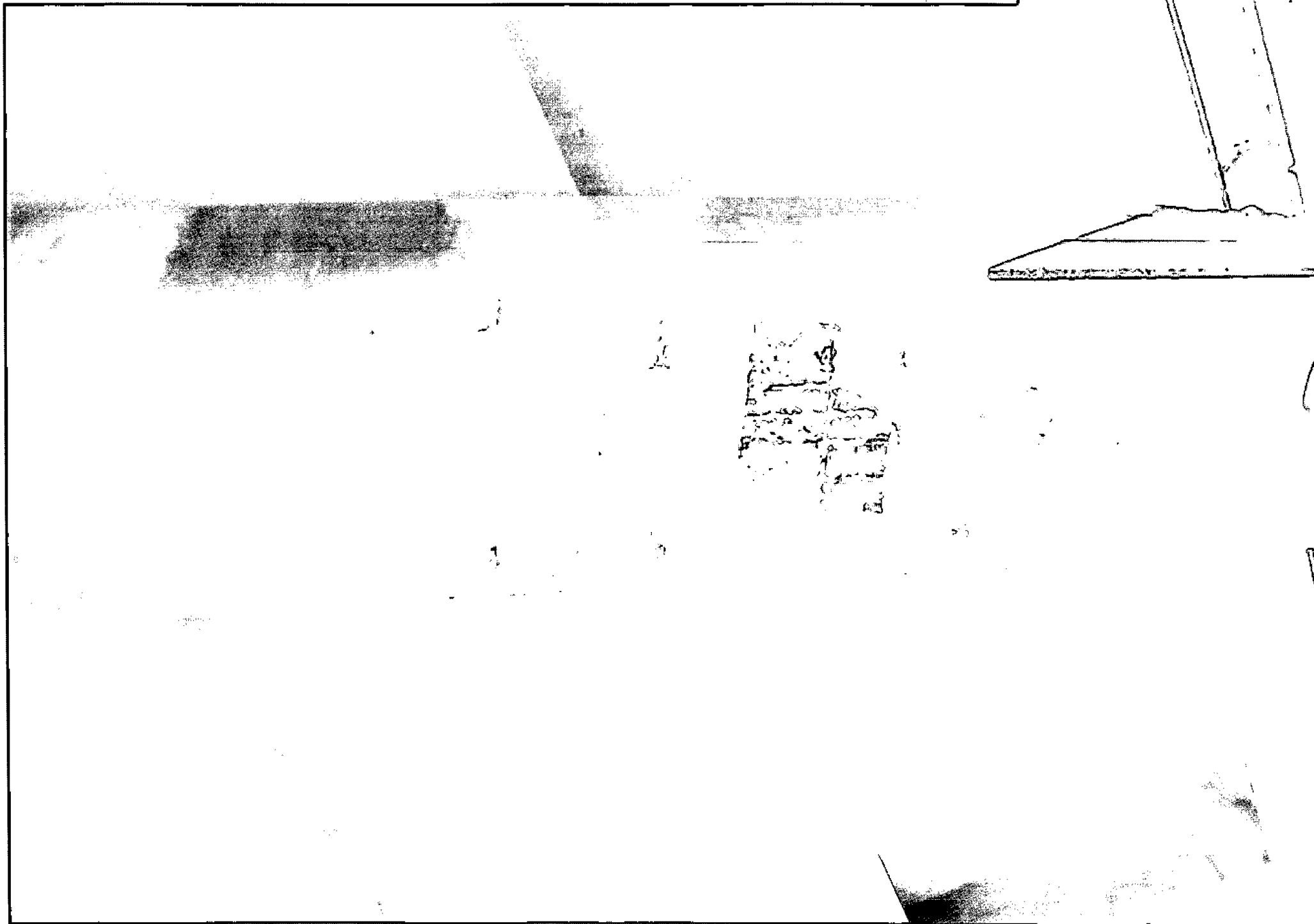


**3210002040300 I-20 Southern R/R & FRT Road 12/3/13**  
**Bent 4 has a large spall w/rust under beam 2, West side.**

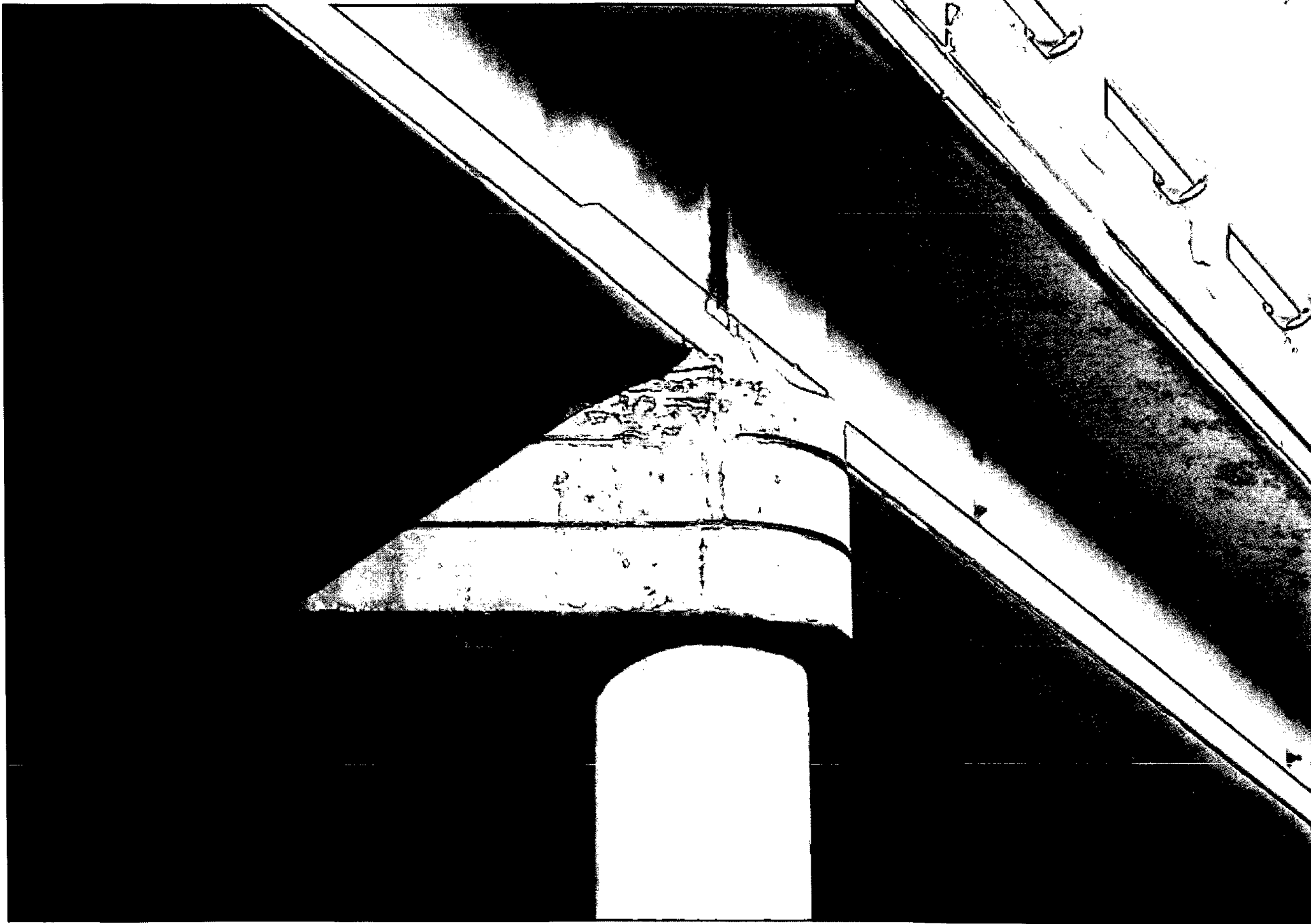


**3210002040300 I-20 Southern R/R & FRT Road 12/3/13**

**Bent 4 has moderate spalls bottom of cap between columns 2 & 3.**



**3210002040300 I-20 Southern R/R & FRT Road 12/3/13**  
**Bent 4 has a large spall w/rust under beam 5, West side.**



## SCDOT PONTIS BMS ELEMENT DATA FORM

STRUCTURE NO.: 3210002040300  
FACILITY CARRIED: I-20  
CROSSING: SOUTHERN RWY & FRTG RD  
INSPECTION DATE: ~~7 Dec 2011~~  
3 Dec 2013

DECK: 7    SUPERSTRUCTURE: 76    SUBSTRUCTURE: 5

CULVERT: N

[illegible]