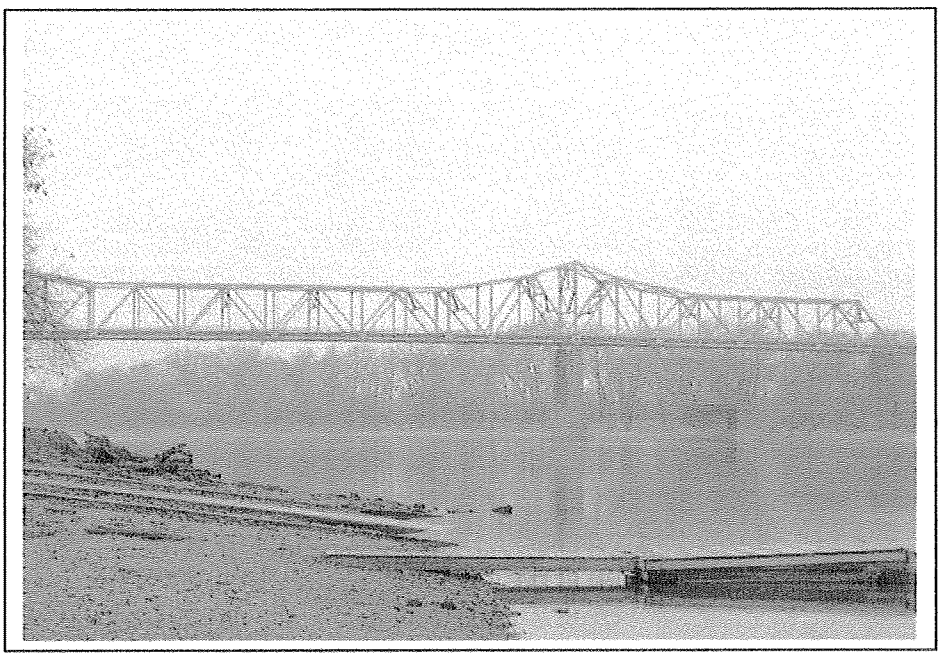
UTICA BRIDGE
IL 178 over the Illinois River

SN 050-0088



Inspection Report

June 21, 2007

Prepared by the
Illinois Department of Transportation
(C.J. Ingersoll)
Bridge Inspection Technician

TABLE OF CONTENTS

1) NBIS Bridge Inspection Report

2) Fracture Critical Inspection Report

3) Underwater Inspection Report with Elevation Sheets

4) Framing Plan, Table of Deficiencies and Photos

5) Table of Joint Openings

Illinois Department of Transportation

Bridge Inspection Report

Structure Number: 050-0088

90 – Insp. Date	90A – Insp. Team Leader/Qualification	Temp.
06 / 04 / 2003	SKP, JLF /	60
06 / 08 / 2005	SKP,MJM /	92
6 / 21 / 2007	SKP, CJI, DLH /	87
/ /	/	
/ /	/	

Location & Inventory Information

Municipality:	
Fac Carried:	IL. 178
Feat Crossed:	ILLINOIS RIVER
Location:	2.2 MILES S. OF US 6
Mat/Type/#Span:	STL. / TRUSS GIR. / 7

Bridge Inspection Year: 03 05 07

Team Sect. – Sub-Sect: =

	Appraisals					Comments *(All comments must be dated.)*
						*** DECK ***
58 - Deck Condition:	6	6	6			(03) SPALLING IN THE SOFFIT THROUGH - OUT.
Wearing Surface	3	3	4			05) SPALLING W / EXP. REBAR IN APPR. SPANS
Parapets / Bridge Railings:	3	3	3			(03) RUSTING.
Curbs:	4	4	4			(05) (07) DECK SEPERATING FROM FB. STR. & DIAPH. ~~@ SP.5 P.P.4~~ & SP.4
Median:	N	N	N			P.P.8
Sidewalks:	4	4	N			
Drain System:	4	4	4			
Light Standards:	N	N	4			
Expansion Joints:	3	3	3			Openings (In.): (03) 1" OFFSET @ P.5 , 3/4" OFFSET @ P. 2
						*** SUPERSTRUCTURE ***
59 - Superstructure	5	5	5			
Bearing Devices:	2	2	2			(03) HEAVY RUSTING BELOW JOINTS.
Girders / Beams / Stringers:	2	2	2			(03) MOD. RUST UNDER JOINTS.
Diaphragms / Braces:	2	2	3			(03)(07) ~~S. L. ON DIAPH.~~
Trusses / Portals / Bracing:	3	3	3			(03) T. W. ON EVERY TRUSS MEMBER.
Rivets / Bolts:	4	4	4			
Paint:	3	3	3			
						*** SUBSTRUCTURE ***
60 - Substructure Cond:	6	6	5			(03)(07) SUBSTRUCTURE UNITS HAVE LEACHING, DELAMINATIONS
Abutments: Stem / Columns / Piles:	N	N	N			AND SPALLS WITH EXOSED REBAR. TOP OF FOOTINGS AT P 3 & P 4
Abutments: Caps:	3	3	3			ARE NEARLY EXPOSED
Abutments: Bearing Seats:	3	3	3			
Abutments: Backwalls:	3	3	3			
Abutments: Wingwalls:	3	3	3			
Piers: Stem / Columns / Piles:	3	3	3			
Piers: Caps:	3	3	3			
Piers: Bearing Seats:	3	3	3			
Piers: Crash Walls:	3	3	3			
Fender Systems:	N	N	N			
Paint:	N	N	N			

Bridge Inspection Report

Structure Number: 050-0088

Bridge Inspection Year: 03 05 07

	Appraisals					Comments *(All comments must be dated.)*
			*** CULVERT ***			
62 – Culvert Condition	N	N	N			
Top Slab / Soffit:	N	N	N			
Side Walls / Arch:	N	N	N			
Bottom:	N	N	N			
Headwalls:	N	N	N			
Wingwalls:	N	N	N			
			*** WATERWAY AND CHANNEL ***			
61 - Channel Condition:	7	7	7			
Streambed:	4	4	4			
Slope Walls & Rip-Rap:	3	3	3			
Stream Banks:	4	4	4			
Spur Dykes & Jetties:	N	N	N			
71 – Waterway	8	8	8			
			*** APPROACH ROADWAY ***			
72 – Appr. Rdwy Align:	6	6	6			
Riding Quality:	4	4	4			
Structural Condition:	4	4	4			
Relief Joints:	4	4	4			
			*** NAVIGABLE WATERWAYS ***			
111 – Pier Navig.	2	2	2			

*** INSPECTION REMARKS ***

Year	Item 90B – Inspection Remarks (237 characters maximum.)
2003	SEE TABLE OF DEFICIENCIES.
2005	DECK- SPALLING W / EXP. REBAR & TRANV. CRKS. 2' TO 12' APART 2 LOCATIONS OF DECK SEPERATING. SUPER- HEAVY RUST BELOW JNT. W / S.L. SUB. - SPALLING W/ EXP. REBAR THROUGHOUT
2007	DECK – SPALLING W/ EXP. REBAR & TRANV. CRKS. 6 ' TO 12' APART. SUPER – HEAVY RUST BELOW JNT. SUB – SPALLING W/ EXP. REBAR THROUGH OUT, TOPS OF SOME FOOTINGS ARE EXPOSED.
20	
20	

Bridge Inspection Report

Structure Number: 050-0088

*** ADDITIONAL INSPECTION DATA ***

36A – Bridge Railing Adequacy:	2	Rail Types:					
Approach Guardrail Adequacy: 36B – Transitions:	1	36C – Guardrail:	2	36D – Ends:	2		

108A – Wearing Surface Type:	A	108B – Type of Membrane:	F	108C – Deck Protection:	J
108D – Total Deck Thickness (In.):	7.0	OPEN GRID 3' EACH SIDE IN TRUSS SPANS			
59A – Paint Date (Mo/Yr):	10/1979				
59B – Paint Systems:	E - __ - __ - __	Color: Fascia –GRAY Inter. – GRAY; Railing – .			
59C – Utilities Attached:	9 - N - N				

Weight Limit Posting

70A2 – Single Unit Vehicles:	T.	Combinations. 70B2 – 3 or 4 Axle:	T.	70C2 – 5 or More Axle:	T.
70D2 – One Truck at a Time:					

Inspection Resource Needs	Time to Inspect (H:M):	:	Traffic Control:		
	Equipment:	Boat–	Waders–	Snooper–	Manlift–
		Ladder–	Short	Medium	Tall	Other–

*** SIGNATURE BLOCK ***

	Signature	Date	Supervisor Initials
Inspection Team Leader	S. KENT POLLOCK:	06/05/2003	
	S. KENT POLLOCK:	06/08/ 2005	
	S. KENT POLLOCK:	06/21/2007	

Additional Comments:
SEE TABLE OF DEFICIENCIES

(Continue comments on page)

Additional Comments:

(Continue comments on additional pages as needed)

Illinois Department of Transportation

Bridge Inspection Report
Fracture Critical Inspection

SN 050-0088 MUNI

Facility Carried IL. 178

Feature Crossed ILLINOIS RIVER

Location 2.2 MILES S. OF US 6

Main Spans 4

Type: B3 Frequency 24

Mo.	Day	Year	Temp.	INSPECTORS	Rating	Method	Remarks
06	04	2003	60	SKP, JLF	5	V, UT	05)MBR; U11-L11
06	08	2005	92	SKP	5	V, UT	
06	21	2007	87	SKP	5	V, UT	

Two Girder:
A1-Suspension & Link
A2-Single Pin Suspension
A3-Riveted/Bolt Tension
A4-Brg Seat Suspension Span
A5-Tension Flg Rolled Beam
A6-Weld Plate Tension

Truss System:
B1-Eyebar & Pin Tension
B2-Welded Tension Members
B3-Hanger Link & Pin Suspension
B4-Single Element Members
B5-Riveted/Bolted Ten Members
B6-Continuous Truss Members-Welded, Riveted or Bolted
C1-Cables Suspension Bridge
C2-Cable Stayed-Cables

Tied Arches & Box Bms:
D1-Welded Box Ties
D2-Riveted/Bolted Box Ties
D3-Stiffened Girders
F1-Single Welded Box
F2-Single Riveted/Bolted Box
F3-Double Box - Welded, Riveted or Bolted

Framed Steel Substructure:
E1-Welded Pier Cap
E2-Riveted/Bolted Pier Cap
E3-Welded Pier Column
E4-Riveted/Bolted Column

Pin & Links:
G1-Multi Girder Suspension Links & Pins
G2-Multi Girder - Single Pin Suspension

X1-Other

Proposed Maintenance Repair

Repair Code	Repair Description SEE TABLE OF DEFICIENCIES	Assigned to Code	Priority Code	Quantity	Unit Cost	Date Completed

AGENCY CODES:
TS-District Team Section
BC-District Bridge Crew
DL-Day Labor
MC-Maintenance Contract
RC-Repair for Rehab Contract

PRIORITY CODES:
1-Do This Year
2-Should Do This Year
3-When Convenient

ILDOT Preliminary Pin and Link Inspection Journal

Structure Number: 050-0088 **Date:** 06/19/2007 **Marked Route:** IL178

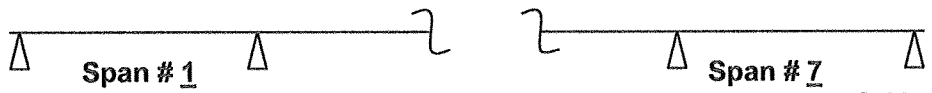
Feature Crossed: IL RIVER **County:** LA SALLE **District:** 3

Inspector #1: SKP **Qualification:** 2 **Employer:** I-DOT
(ILDOT, ASNT Level, etc.)
Inspector #2: ___ **Qualification:** __ **Employer:** _____

Prev. Insp. Date: _____ **Girder #1 on** __ **side Upstation to** ____ **# Joints =** ___

Pin data: Diam.: 9" **(sketch*?**_____**) Length:** 23.5" **Mat'l:** STEEL **# nuts/end:** 1
(Note: If pin geometry varies between joints, use separate sheets. *For pins with special features (cotter pins, integral head, stepped shoulder) attach sketch of pin to report.)
UT data: Trans. dia:1/2", **freq.:** 2.25 **MHz Gain : 50%sc.ht.:** 50 **dB Scan @** 60 **dB**

Link data: Width: 18 ¾" **CL – CL Pins:** 30" **Thick.:** 11 ½" **Material:** STEEL



(Check or "ok" indicates acceptable. For remarks, see below)

P.P.	Span	Dist to Pr #	Top/Single Pin	Bot. Pin	Near Link	Far Link	Insp#
U11W	4		X		X	X	1
L11W	4			X	X	X	1
U11'W	4		X		X	X	1
L11'W	4			X	X	X	1
U11E	4		X		X	X	1
L11E	4			X	X	X	1
U11'E	4		X		X	X	1
L11'E	4			X	X	X	1

Remarks :(add letter above to refer to remark below, attach sheets as needed)
a.

b.

c.

Sheet of

Illinois Department of Transportation

Bridge Inspection Report
Fracture Critical Inspection

SN 050-0088 MUNI

Facility Carried IL. 178

Feature Crossed ILLINOIS RIVER

Location 2.2 MILES S. OF US 6

Main Spans 3, 4, 5

Type: B5 Frequency 24

Mo.	Day	Year	Temp.	INSPECTORS	Rating	Method	Remarks
06	04	2003	60	SKP, JLF	5	V	05)MRB; L11-L15, U12-L12, U14-L14, U12-L13, U14-L15
06	08	2005	92	SKP,MJM	5	V	05) RUST WITH MINOR S.L.
06	21	2007	87	SKP	5	V	

Two Girder:
A1-Suspension & Link
A2-Single Pin Suspension
A3-Riveted/Bolt Tension
A4-Brg Seat Suspension Span
A5-Tension Flg Rolled Beam
A6-Weld Plate Tension

Truss System:
B1-Eyebar & Pin Tension
B2-Welded Tension Members
B3-Hanger Link & Pin Suspension
B4-Single Element Members
B5-Riveted/Bolted Ten Members
B6-Continuous Truss Members-Welded, Riveted or Bolted
C1-Cables Suspension Bridge
C2-Cable Stayed-Cables

Tied Arches & Box Bms:
D1-Welded Box Ties
D2-Riveted/Bolted Box Ties
D3-Stiffened Girders
F1-Single Welded Box
F2-Single Riveted/Bolted Box
F3-Double Box - Welded, Riveted or Bolted

Framed Steel Substructure:
E1-Welded Pier Cap
E2-Riveted/Bolted Pier Cap
E3-Welded Pier Column
E4-Riveted/Bolted Column

Pin & Links:
G1-Multi Girder Suspension Links & Pins
G2-Multi Girder - Single Pin Suspension

X1-Other

Proposed Maintenance Repair

Repair Code	Repair Description SEE TABLE OF DEFICIENCIES	Assigned to Code	Priority Code	Quantity	Unit Cost	Date Completed

AGENCY CODES:
TS-District Team Section
BC-District Bridge Crew
DL-Day Labor
MC-Maintenance Contract
RC-Repair for Rehab Contract

PRIORITY CODES:
1-Do This Year
2-Should Do This Year
3-When Convenient

Illinois Department of Transportation

Bridge Inspection Report
Fracture Critical Inspection

SN 050-0088 MUNI

Facility Carried IL 178

Feature Crossed ILLINOIS RIVER

Location 2.2 MILES S. OF US 6

Main Spans 3, 4, 5

Type: B6 Frequency 24

Mo.	Day	Year	Temp.	INSPECTORS	Rating	Method	Remarks
06	04	2003	60	SKP, JLF	5	V	05) MBR: L0-L4, U3-U11, U1-L1, U3-L3. U5-L5, U7-L7, U9-L9, U1-L2, L2-U3, L4-U5, L6-U7, U9-L10
06	08	2005	92	SKP,MJM	5	V	05) RUST WITH MINOR S.L.
06	21	2007	87	SKP, CJI	5	V	

Two Girder:
A1-Suspension & Link
A2-Single Pin Suspension
A3-Riveted/Bolt Tension
A4-Brg Seat Suspension Span
A5-Tension Flg Rolled Beam
A6-Weld Plate Tension

Truss System:
B1-Eyebar & Pin Tension
B2-Welded Tension Members
B3-Hanger Link & Pin Suspension
B4-Single Element Members
B5-Riveted/Bolted Ten Members
B6-Continuous Truss Members-Welded, Riveted or Bolted
C1-Cables Suspension Bridge
C2-Cable Stayed-Cables

Tied Arches & Box Bms:
D1-Welded Box Ties
D2-Riveted/Bolted Box Ties
D3-Stiffened Girders
F1-Single Welded Box
F2-Single Riveted/Bolted Box
F3-Double Box - Welded, Riveted or Bolted

Framed Steel Substructure:
E1-Welded Pier Cap
E2-Riveted/Bolted Pier Cap
E3-Welded Pier Column
E4-Riveted/Bolted Column

Pin & Links:
G1-Multi Girder Suspension Links & Pins
G2-Multi Girder - Single Pin Suspension

X1-Other

Proposed Maintenance Repair

Repair Code	Repair Description SEE TABLE OF DEFICIENCIES	Assigned to Code	Priority Code	Quantity	Unit Cost	Date Completed

AGENCY CODES:
TS-District Team Section
BC-District Bridge Crew
DL-Day Labor
MC-Maintenance Contract
RC-Repair for Rehab Contract

PRIORITY CODES:
1-Do This Year
2-Should Do This Year
3-When Convenient

Illinois Department of Transportation

Bridge Inspection Report
Underwater Inspection

SN 050-0088 MUNI
Facility Carried IL. 178
Feature Crossed ILLINOIS RIVER
Location 2.2 MILES S. OF US 6
Main Spans 4/ PIER 3 & 4

Category(s): 2 5 Frequency: 60

Mo.	Day	Year	Temp.	Inspector	Rating	Method	Remarks
06	4	2003	60	SKP JLF	6	S P	
06	21	2007	87	SKP, CJI	5	S, P	

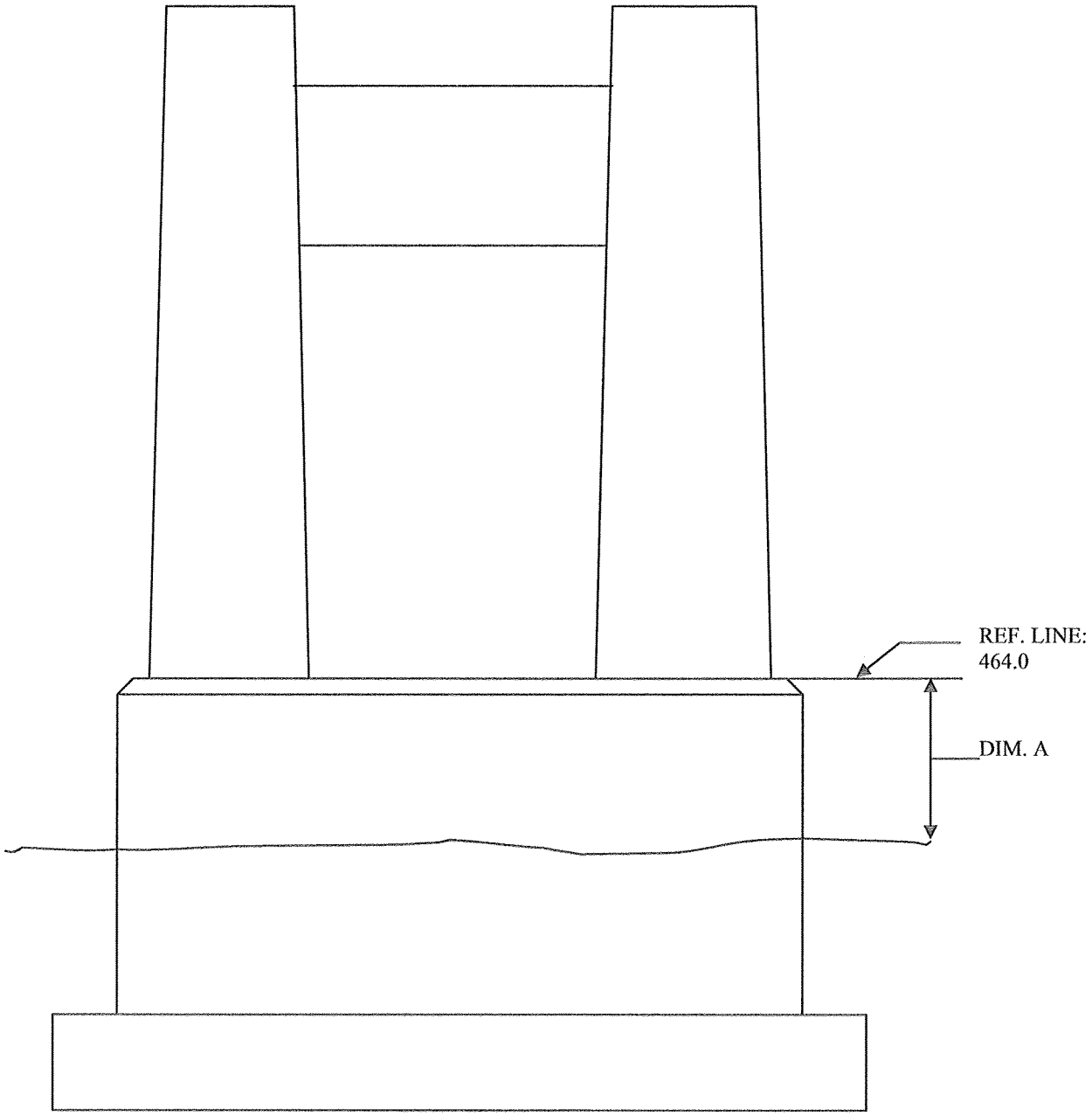
Proposed Maintenance Repair

Repair Code	Repair Description	Assigned to Code	Priority Code	Quantity	Unit Cost	Date Completed
	SEE TABLE OF DEFICIENCIES					

AGENCY CODES:
TS-District Team Section
BC-District Bridge Crew
DL-Day Labor
MC-Maintenance Contract
RC-Repair for Rehab Contract

PRIORITY CODES:
1-Do This Year
2-Should Do This Year
3-When Convenient

PIER 3



DETAIL A

UNDERWATER INVESTIGATION SHEET 1 OF 2

STRUCTURE NUMBER: 050-0088
INSPECTION DATE: 06/21/03
INSPECTED BY: SKP, CJI, DLH

WATER ELEVATION: 442.0

DETAIL/DIM./ELEV.: A / 18-0 / 464.0

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	437	436	434	430	430	430	430
25'(+/-)	438	436	435	430	430	429	430
Edge	438	438	433	433	430	430	430
C.L	438	437	434		431	428	428
Edge	438	437	435	435	431	428	428
25'(+/-)	438	437	436	433	431	430	429
50'(+/-)	439	438	437	436	433	431	429

PIER: 3

FLOW DIR.: ↓

TOP FOOTING ELEVATION: 429.0

BOT. FOOTING ELEVATION: 424.0

DESIGN S.B. ELEVATION: 434.5

UNDERWATER INVESTIGATION SHEET 2 OF 2

STRUCTURE NUMBER: 050-0088
INSPECTION DATE: 06/21/03
INSPECTED BY: SKP, CJI, DLH

WATER ELEVATION: 442.0

DETAIL/DIM./ELEV.: A / 18-0 / 464.0

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	431	431	432	432	433	434	437
25'(+/-)	430	431	432	433	433	435	438
Edge	430	430	429	432	430	435	440
C.L	430	429	429		430	434	439
Edge	429	429	429	432	434	434	438
25'(+/-)	430	430	429	430	433	433	437
50'(+/-)	431	431	429	430	430	432	433

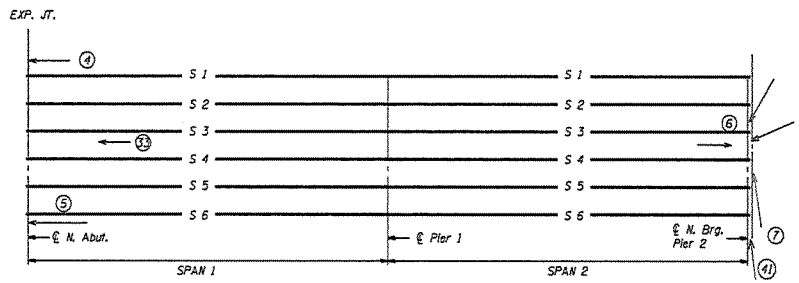
PIER: 4

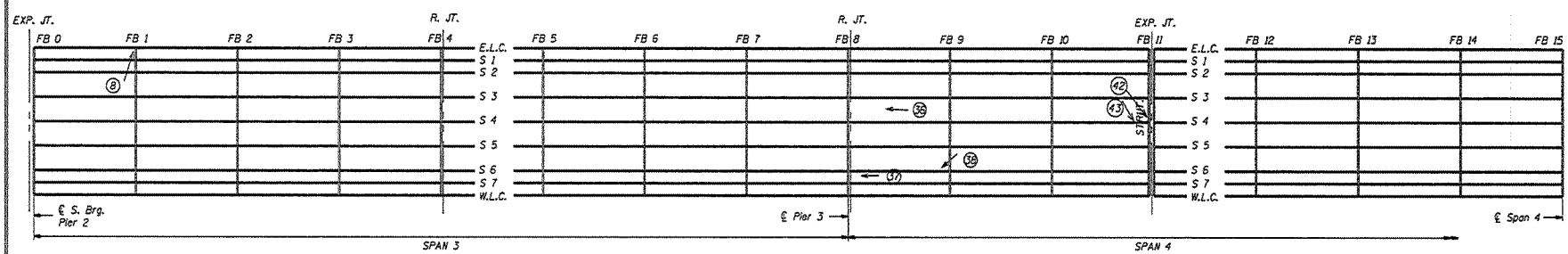
FLOW DIR.: ↓

TOP FOOTING ELEVATION: 428.28

BOT. FOOTING ELEVATION: 423.25

DESIGN S.B. ELEVATION: 430.5





NOTES:

⟵ = DIRECTION OF PHOTOGRAPH

(#) = ITEM NUMBER

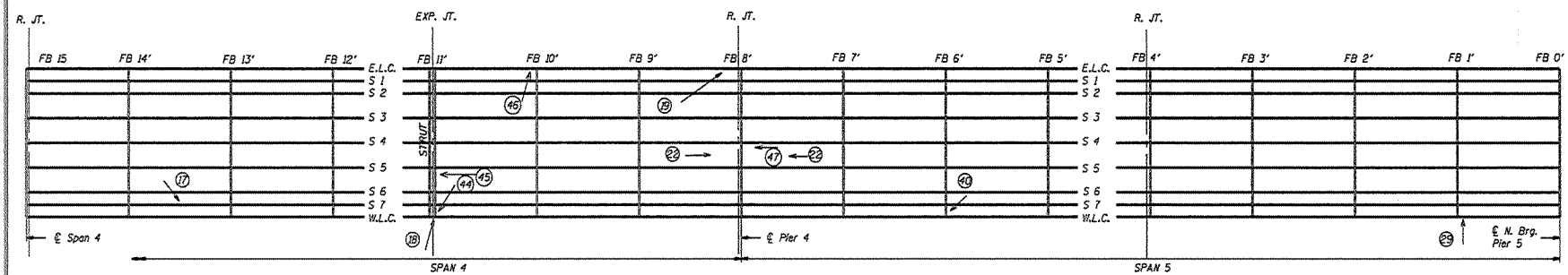
(1) = PAINT

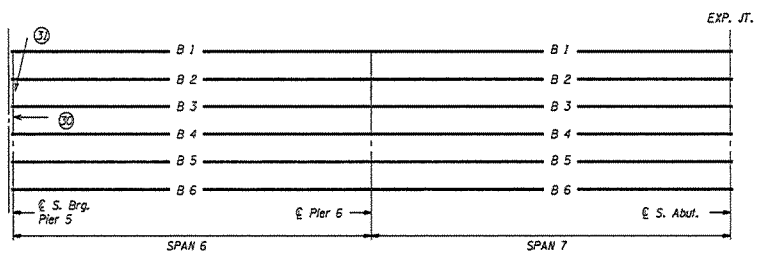
(2) = CONCRETE DECK

(3) = GRID DECK

N

UTICA BRIDGE
050-0088
PAGE 1





N

UTICA BRIDGE
050-0088
PAGE 2

TABLE OF DEFICIENCIES

SN: 050 - 0088

YEAR: 2007

ITEM	SPAN	MEMBER	LOCATION	PHOTO	DEFICIENCY	RECOMENDATION	YEAR
1	**ALL**	**PAINT**	**GENERAL**	**1, 13, 14, 15, 17, 36**	**80%CS1, 20%CS3**	**FULL PAINTING**	**01, 05**
2	1,2,6,7	CONC. DECK	GENERAL	2, 5, 6, 7, 18, 22, 40, 41, 42, 53, 54	88%CS1, 12%CS3 SPALLING IN SOFFIT	MONITOR	01, 03, 05
3	3,4,5	GRID DECK	GENERAL	11, 28	65%CS2, 35%CS3 MINOR CORROSION, AREA CRK. & LOOSE	MONITOR	01, 03, 07
4	1	N ABUT.	E END	3	SPALLING,WITH EXP. REBAR (30 SQ. FT.)	MONITOR	99, 01
5	1	N ABUT.	W END	4	SPALLING,WITH EXP. REBAR (30 SQ. FT.)	MONITOR	99, 01
33	1	SLOPEWALL	N SLOPEWALL	43	SETTLEMENT	MONITOR	05
~~34~~	~~1~~	~~TREES~~	~~W SIDE~~	~~44~~ ?	~~TREES OBSTRUCTING INSPECTION~~	~~CUT BACK TO EDGE OF RIGHT OF WAY~~	~~05, 07~~
~~35~~	~~1~~	~~P1~~	~~@ P1 & W SFT.~~	~~45~~ ?	~~WEEDS GROWING ON COL. & SFT.~~	~~REMOVED~~	~~05, 07~~
6	2,3	P2	N & S SIDE P CAP & CRASH WALL	8, 9, 46	SPALLING,WITH EXP, REBAR (276 SQ. FT.)	MONITOR	99, 01, 03, 05
7	**2,3**	**FINGER JNT.**	**@ P2**	**12**	**1" OFFSET BTWN. SPANS**	**REPAIR**	**99, 01**
41	**2, 3**	**PIER 2**	**@ CAP**	**55**	**BUILD UP OF DEBRIS DUE TO NO TROUGH**	**CLEAN**	**07**
8	3	L1E – U1E	30' ABOVE THE DECK	10	1" PART. CRK. T. W.	MONITOR UNTIL MAJOR REHAB	99, 01
~~9~~	~~3~~	~~OPEN JNT.~~	~~@ P.P.4~~	~~13~~ ?	~~JNT. LEAKING~~	~~REPLACED~~	~~01, 07~~
36	4	P3	S FACE	47	SPALL ING WITH EXP. REBAR (44 SQ. FT.)	MONITOR	05
37	**4**	**DECK**	**STR. 6 @ P3**	**48**	**DECK IS SEPERATED ½" FROM STR. 6 & SLAPPING**	**REPAIR**	**05**

TABLE OF DEFICIENCIES

SN: 050 - 0088

YEAR: 2007

ITEM	SPAN	MEMBER	LOCATION	PHOTO	DEFICIENCY	RECOMENDATION	YEAR
38	4	STR. 6	EXTENDING 13' FROM P3	49 ?	S.L. ON T. FLG. E FACE ONLY AVG. 0.210" NOM. 0.595" 2' = .25, 5' = .22, 10' = .38, CL = .60 (NEED DETAIL) ?	NEED SECTION MEASUREMENTS @ C.L. OF SPAN & 2', 5', 10' FROM P3	05, 07
42	**4**	**DIAPH.**	**BTWN. STR. 3 & 4, BTWN. FB. 11 & STRUT**	**56**	**BOT. FLG. S SIDE 100% S.L.**	**REPLACE**	**07**
43	**4**	**STR. 4**	**1' N OF FB. 11**	**57 ?**	**1" X 2" HOLE IN WEB (NEED DETAIL) ?**	**MONITOR**	**07**
~~10~~	~~4~~	~~DIAPH.~~	~~@ P3, BTWN. STR. 2 & 3~~	~~24~~ ?	~~ADV. SEC. LOSS TO T. FLG. AVG. 0.20" NOM. 0.488"~~	~~REPAIRED~~	~~01, 03, 05, 07~~
~~11~~	~~4~~	~~DIAPH.~~	~~@ P3, BTWN. STR. 5 & 6~~	~~25~~ ?	~~ADV. SEC. LOSS TO T. FLG. S FACE 100 % S.L. N FACE AVG. 0.219" NOM. 0.488"~~	~~REPAIRED~~	~~01, 03, 05, 07~~
~~12~~	~~4~~	~~DIAPH.~~	~~P.P. 15, BTWN. STR. 2&3~~	~~19~~ ?	~~ADV. SEC. LOSS TO T. FLG. AVG. 0.30" NOM. 0.488"~~	~~REPAIRED~~	~~01, 03, 05, 07~~
~~39~~	~~4~~	~~FB.15~~	~~@ STR.3, PAN. 15~~	~~50~~ ?	~~2" X 7" HOLE IN WEB BELOW STR. 3~~	~~REPAIRED~~	~~05, 07~~
~~13~~	~~4~~	~~STR. 4~~	~~@FB.15, PAN. 15~~	~~20~~ ?	~~1"x 7" HOLE IN WEB~~	~~REPAIRED~~	~~01, 05, 07~~
~~14~~	~~4~~	~~DIAPH.~~	~~@ P.P.15 , BTWN. STR. 5&6~~	~~21~~ ?	~~ADV. SEC. LOSS TO T. FLG. N FACE 100 % S.L. S FACE AVG. 0.122" NOM. 0.488"~~	~~REPAIRED~~	~~01, 03, 05, 07~~
~~15~~	~~4~~	~~OPEN JNT.~~	~~@P.P.15~~	~~22~~ ?	~~LEAKING JNT.~~	~~REPLACED~~	~~01, 07~~
~~16~~	~~4~~	~~STR. 1~~	~~1ST RAILING BRKT. N OF P.P.13', PAN. 14'~~	~~16~~ ?	~~CRK. WELD TO BOT. FLG. OF STR. 1 W~~	~~REPAIRED~~	~~99, 01, 03, 05~~
17	4	STR. 7	PAN.14'	17	CRK. WELD TO BOT. FLG. OF STR.	MONITOR UNTIL MAJOR REHAB	99, 01
18	4	L11'W – U11'W	20' ABOVE DECK	37	1 ½" PART. CRK. T. W. ON TENSION MBR.	MONITOR UNTIL MAJOR REHAB	99, 01, 03, 05
44	**4**	**GRID DECK**	**@ PP 11' W SIDE**	**58**	**GRID IS CRACKED & LOOSE**	**REPAIR**	**07**

TABLE OF DEFICIENCIES

SN: 050 - 0088

YEAR: 2007

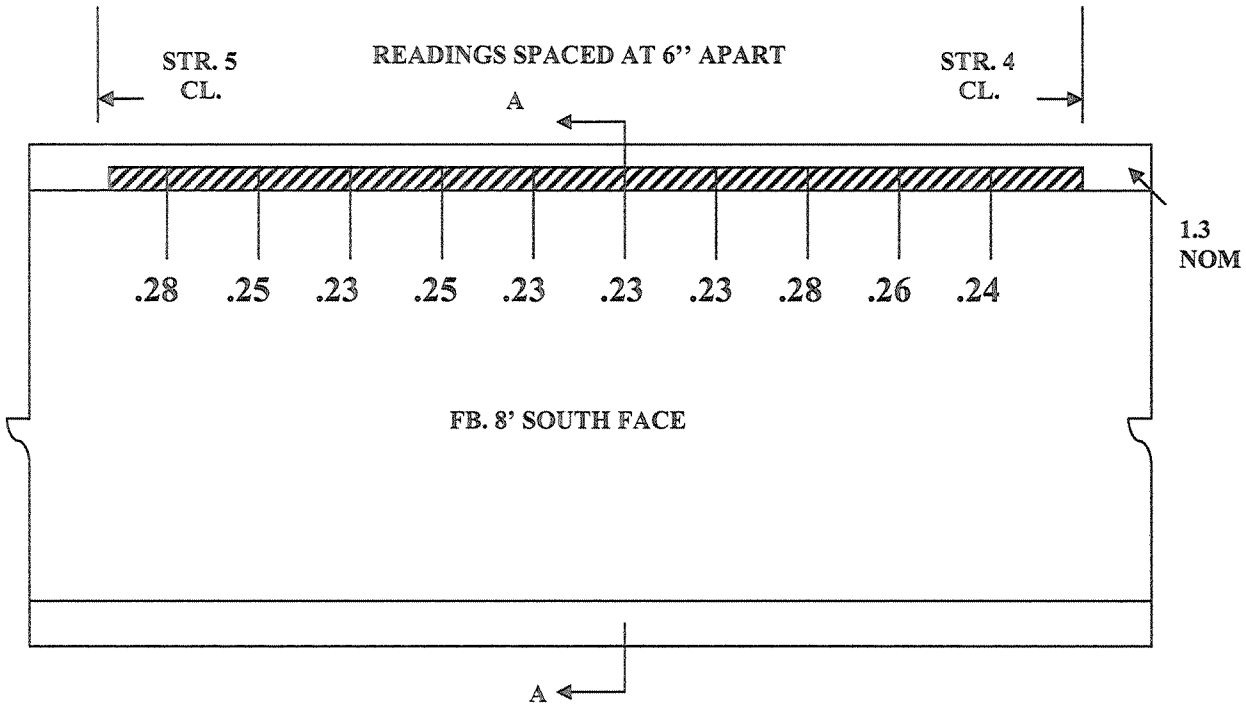
ITEM	SPAN	MEMBER	LOCATION	PHOTO	DEFICIENCY	RECOMENDATION	YEAR
45	4	DIAPH.	@ FB. 11' BTWN. STR. 5 & 6 S FACE	59	100% S.L. IN T. FLG. OF DIAPH	REPLACE	07
46	4	L11'W – L10'E	2'6" FROM L10'E	60 ?	1 BOT. LEG OF BRACE ANGLE IS GONE	REPAIR	07
19	4,5	U8'E – U9'E	20' ABOVE DECK	38	2" PART. CRK. T. W. ON TENSION MBR.	MONITOR UNTIL MAJOR REHAB	99,01, 05
~~20~~	4	~~DIAPH.~~	~~@ P4 BTWN. STR. 5 & 6~~	~~14~~ ?	~~ADV. SEC. LOSS TO T. FLG. (TYPICAL BELOW JNT.) AVG. 0.274" NOM. 0.488"~~	~~REPAIRED~~	~~99, 01, 03, 05, 07~~
~~21~~	4	~~DIAPH.~~	~~@ P4 BTWN. STR. 3 & 4~~	~~15~~ ?	~~4"x 2" HOLE IN DIAPH. WEB (WEB IS CRUSHING)~~	~~REPAIRED~~	~~99, 01, 07~~
22	4,5	P4	S & N FACE	23, 51	SPALLING, WITH EXP. REBAR (210 SQ. FT.)	MONITOR	01, 03, 05
47	5	FB. 8'	S FACE BTWN. STR. 4 & 5	61 ?	S.L. ON T. FLG. (SEE DETAIL 1) ?	REPAIR	07
~~23~~	~~4,5~~	~~OPEN JNT.~~	~~@ P4~~	~~35~~ ?	~~LEAKING JNT.~~	~~REPLACED~~	~~01, 07~~
40	5	L6'W-L5'E	@ L6'W	52	5" X 7" HOLE IN CONN. PL.	MONITOR	05
~~24~~	~~5~~	~~DECK~~	~~@ P.P.4'~~	~~30~~ ?	~~DECK IS SEPERATED ½" FROM FB., STR., & DIAPH. & SLAPPING~~	~~REPAIRED~~	~~99, 01, 05, 07~~
~~25~~	~~5~~	~~DIAPH.~~	~~N SIDE OF FB 4' BTWN. STR. 2 & 3~~	~~31~~ ?	~~ADV. SEC. LOSS TO T. FLG. AVG. 0.245" NOM. 0.425"~~	~~REPAIRED~~	~~99, 01, 03, 05, 07~~
~~26~~	~~5~~	~~DIAPH.~~	~~N SIDE OF FB 4', BTWN. STR. 4 & 5~~	~~32, 33~~ ?	~~ADV. SEC. LOSS ON BOT. FLG. AVG. 0.40" NOM. 0.425"~~	~~REPAIRED~~	~~99, 01, 03, 05, 07~~
~~27~~	~~5~~	~~DIAPH.~~	~~N SIDE OF FB 4', BTWN. STR. 5 & 6~~	~~34~~ ?	~~ADV. SEC. LOSS TO T. FLG. AVG. 0.182" NOM. 0.425"~~	~~REPAIRED~~	~~99, 01, 03, 05, 07~~
~~28~~	~~5~~	~~OPEN JNT.~~	~~@ P.P. 4'~~	~~30~~ ?	~~JNT. LEAKING~~	~~REPLACED~~	~~01, 07~~
29	5	L1'W-L0'W	LI'W	29	2" CRK. T. W. ON TENSION MBR.	MONITOR UNTIL MAJOR REHAB	99, 01

TABLE OF DEFICIENCIES

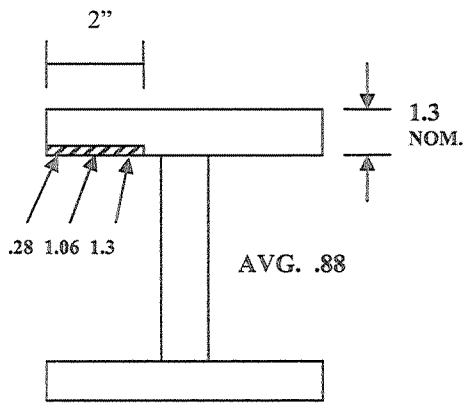
SN: 050 - 0088

YEAR: 2007

ITEM	SPAN	MEMBER	LOCATION	PHOTO	DEFICIENCY	RECOMENDATION	YEAR
30	5,6	P5	@ P5, S FACE OF CRASH WALL	26	52 SQ. FT. SPALL & DELAM.WITH EXP. REBAR	MONITOR	01, 05
31	5,6	JNT.	@ P5	27	¾" DIFFERECE IN ELEV. BTWN. FINGER JNT.	MONITOR	01, 03
~~32~~	~~7~~	~~DIAPH.~~	~~@ S ABUT., BTWN. BM.5 & BM.6~~	~~39~~ ?	~~WEB IS RUSTED THROUGH~~	~~REPAIRED~~	~~99, 01, 03, 07~~



DETAIL 1



SECTION A-A

= FULL SECTION

= SECTION LOSS

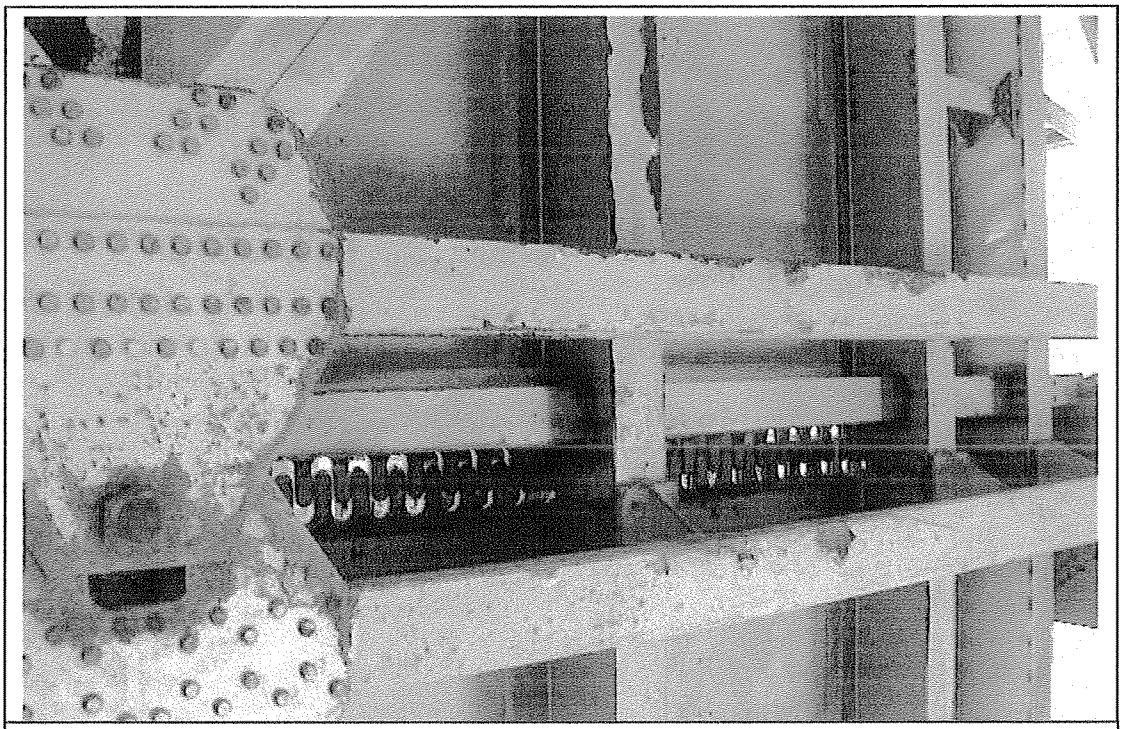


PHOTO 01 SPAN 4, FB. 11', LOOKING WEST

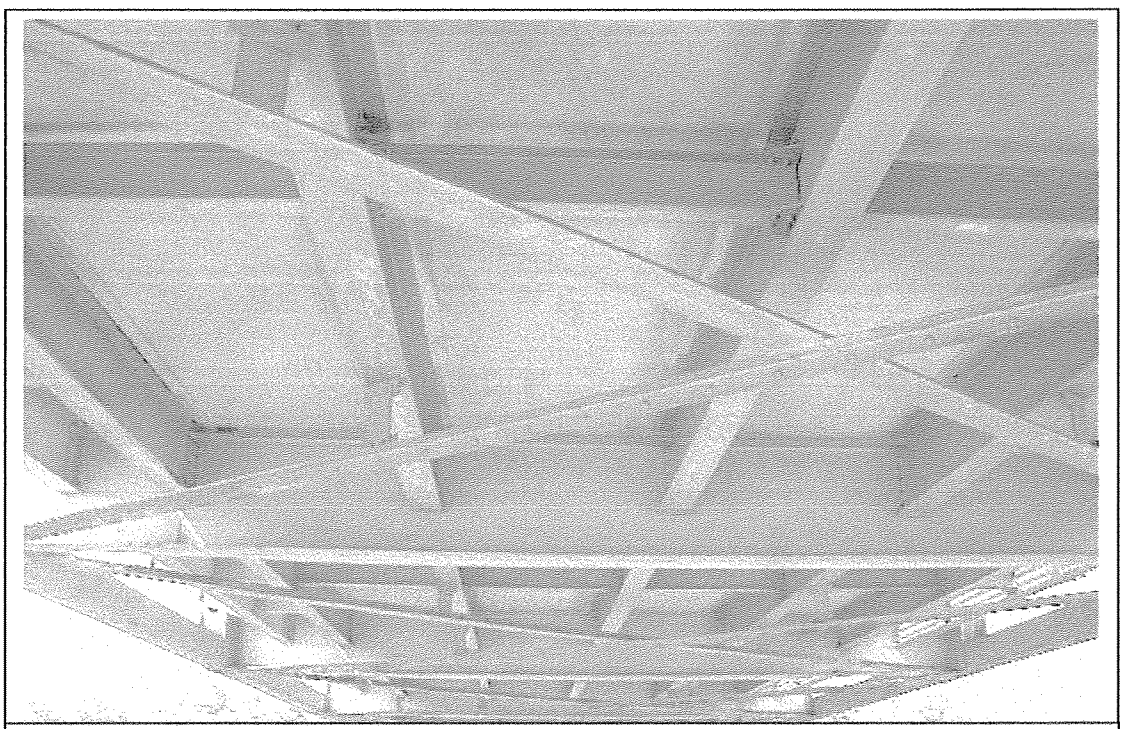


PHOTO 02 SPAN 3

PHOTO 03

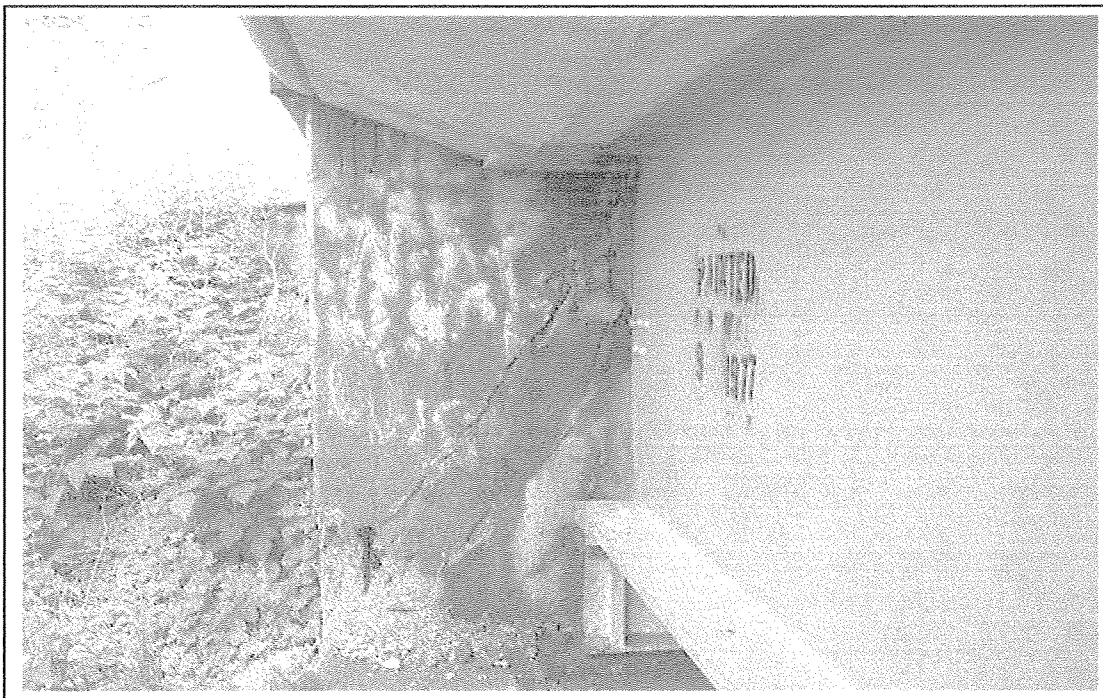


PHOTO 04

PHOTO 05 SPAN 1

PHOTO 06 SPAN 2

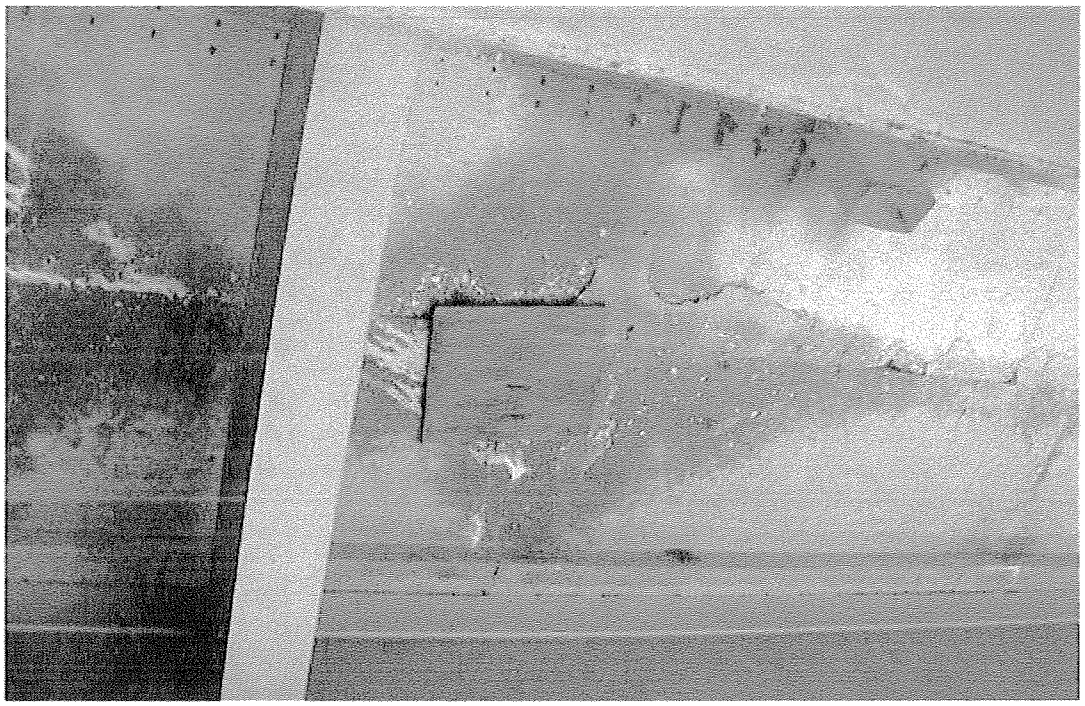


PHOTO 07 SPAN 2

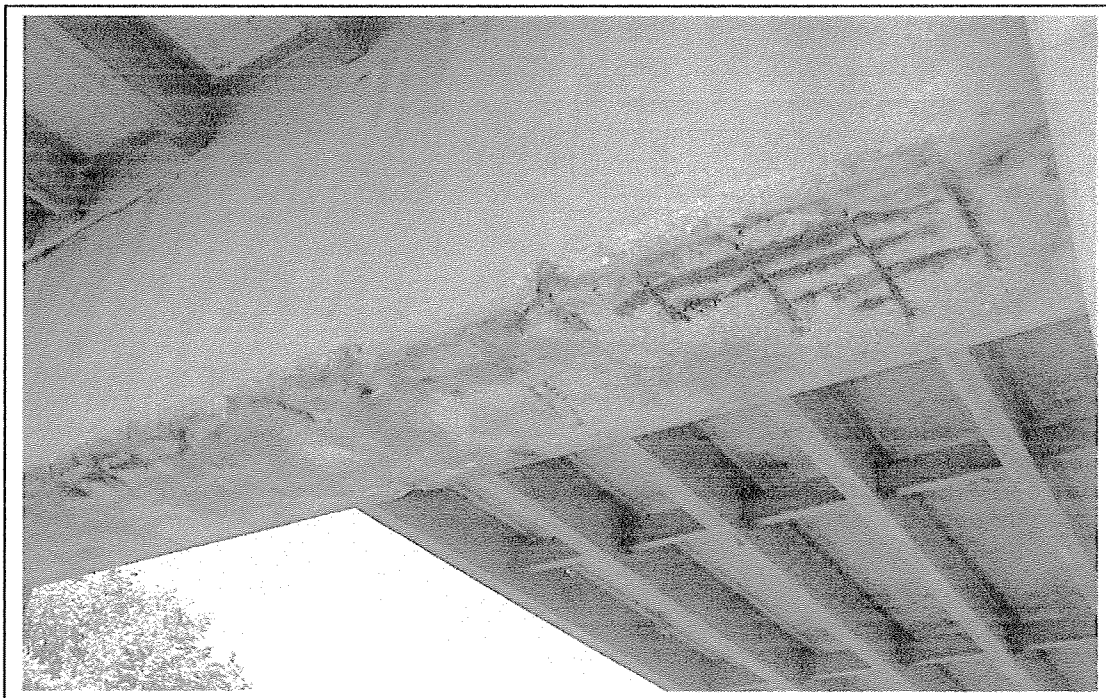


PHOTO 08

S.N. 050 - 0088

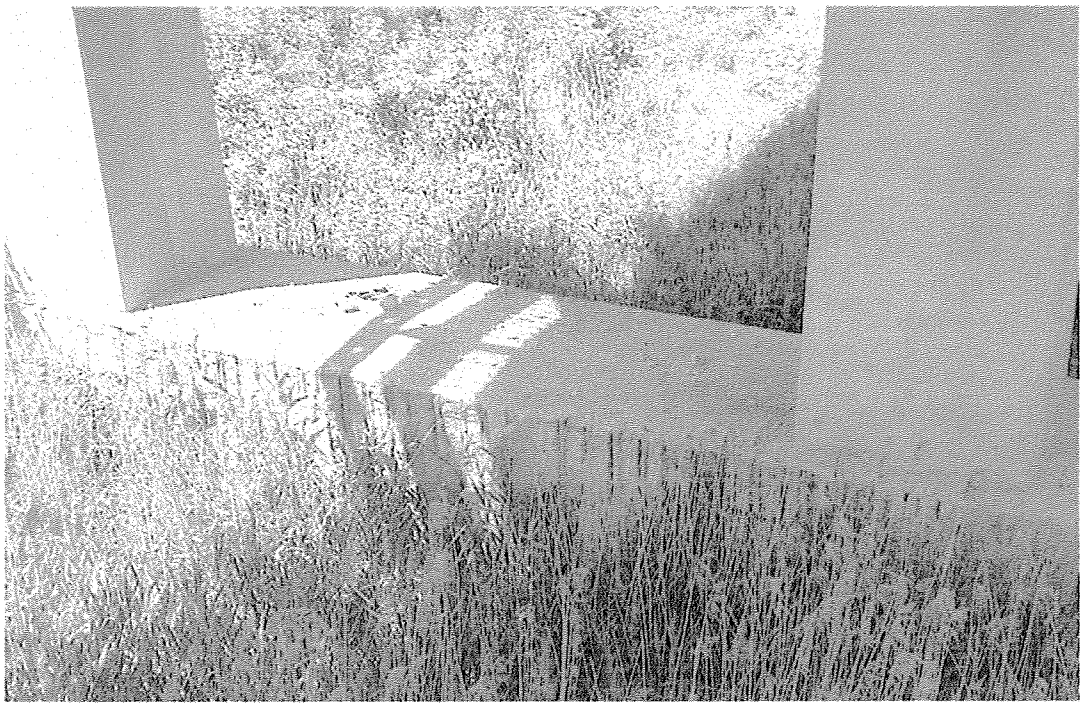


PHOTO 09

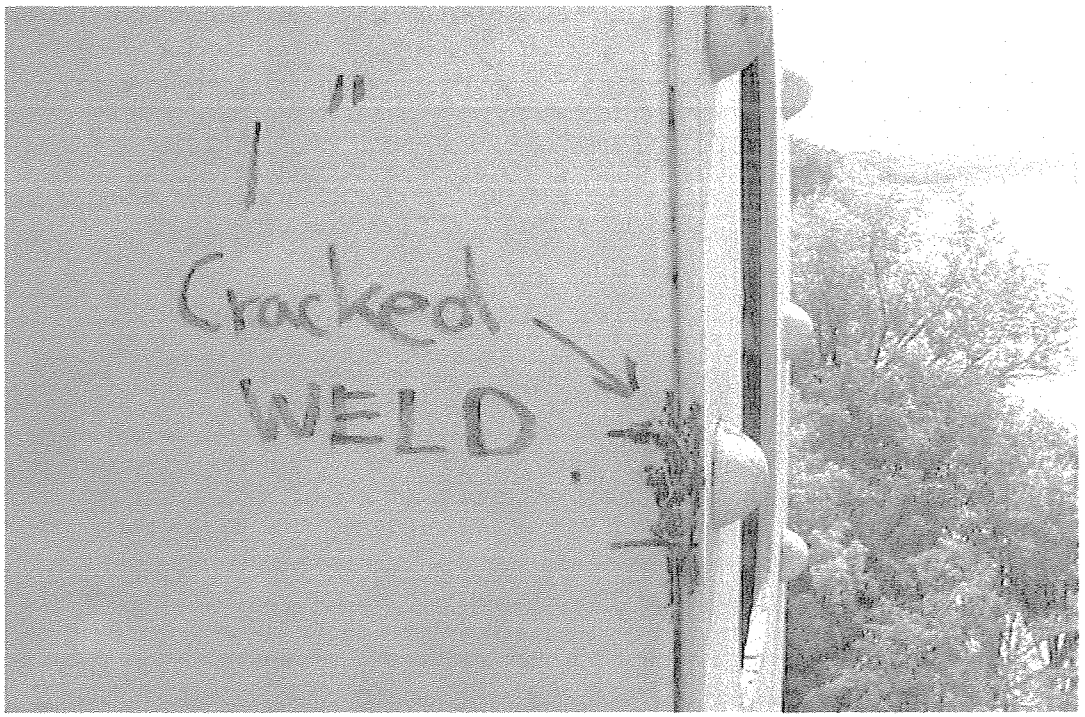


PHOTO 10

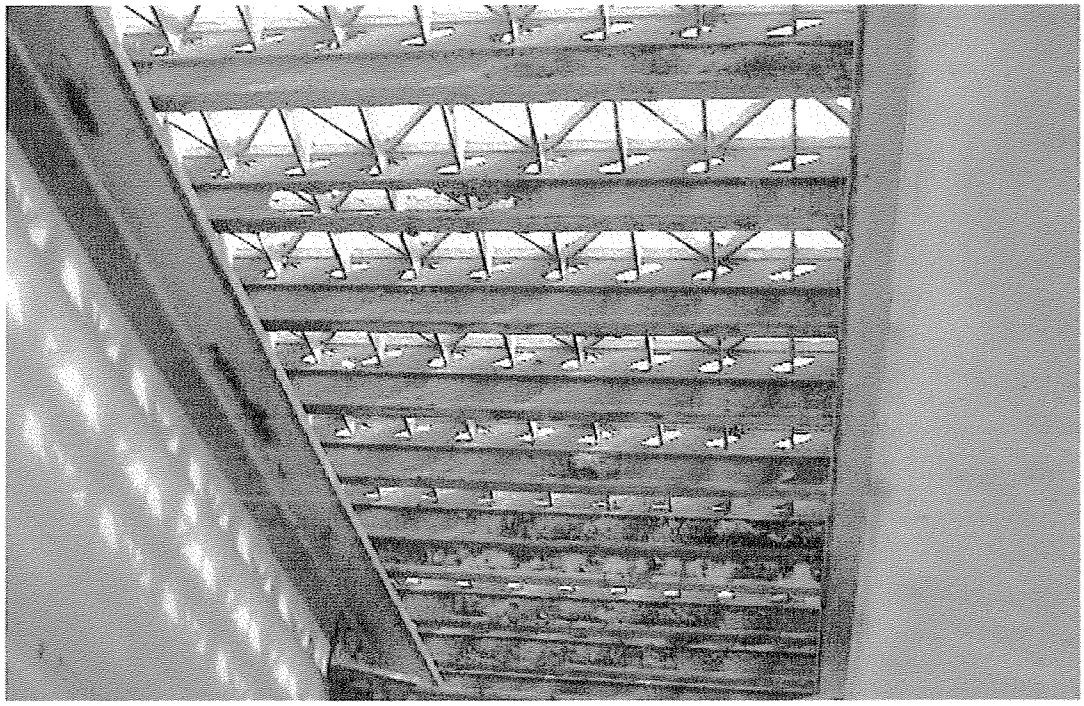


PHOTO 11 SPAN 3, L0E-L1E

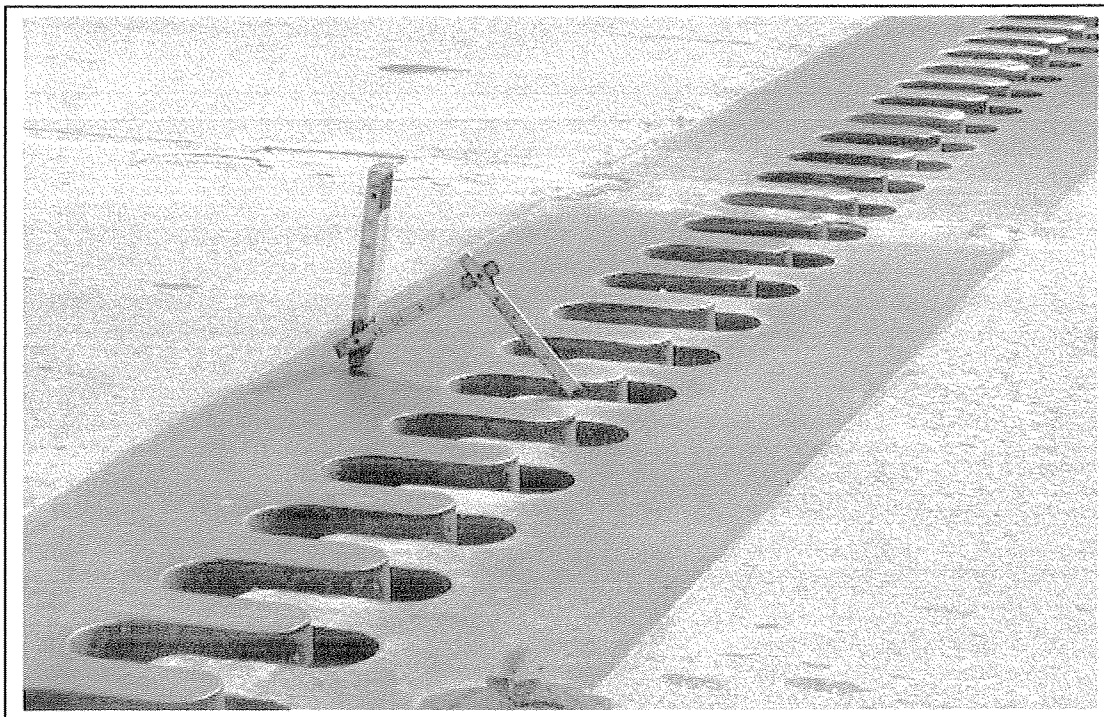


PHOTO 12

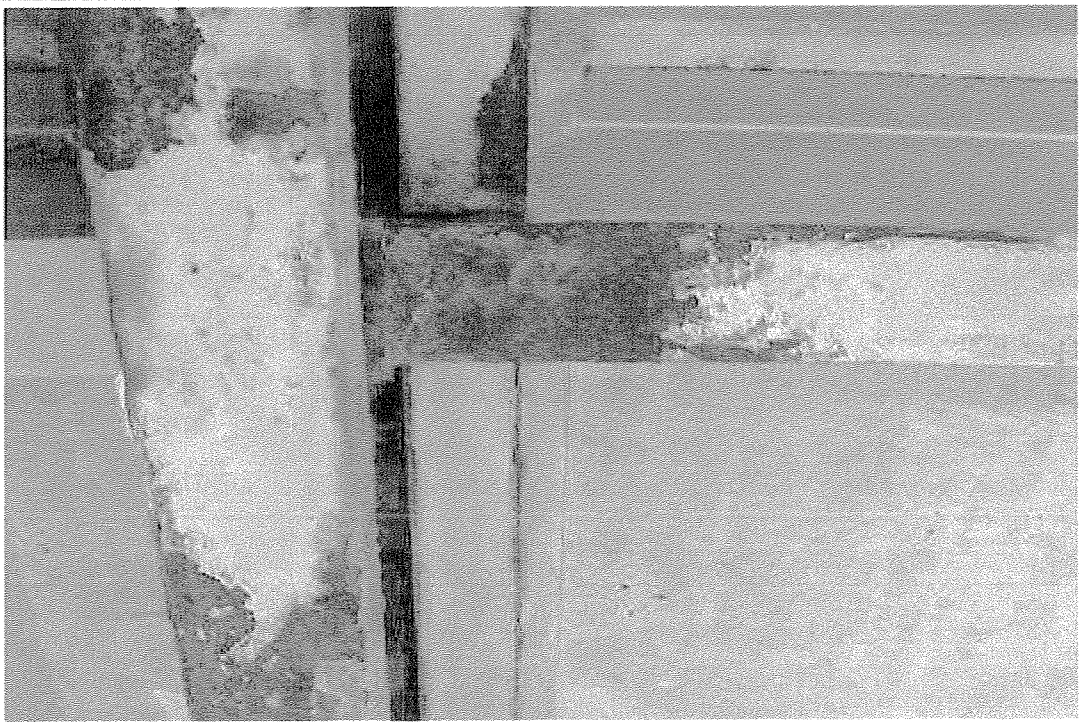


PHOTO 13 REPLACED

PHOTO 14 REPAIRED

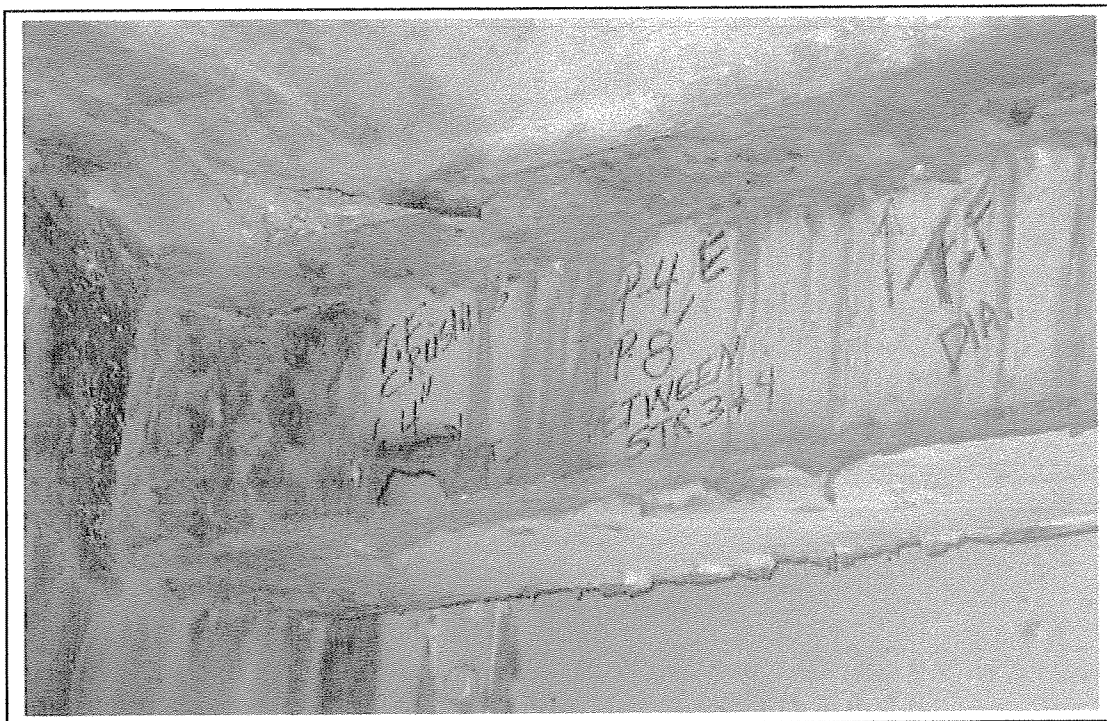


PHOTO 15 REPAIRED

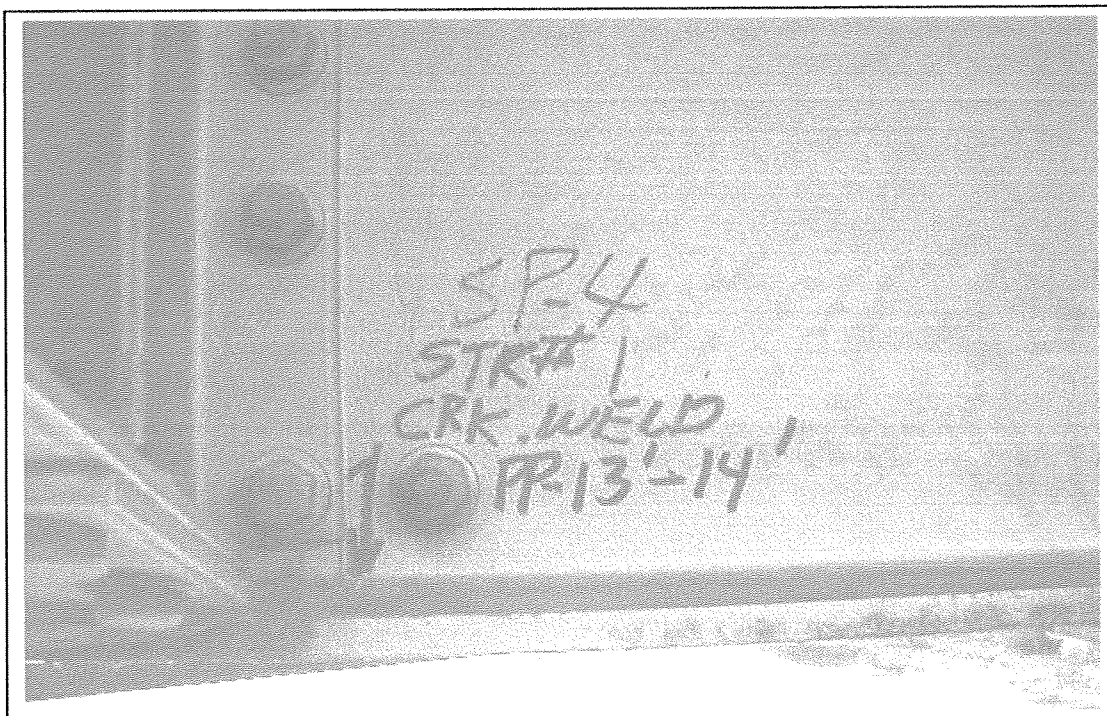


PHOTO 16 REPAIRED

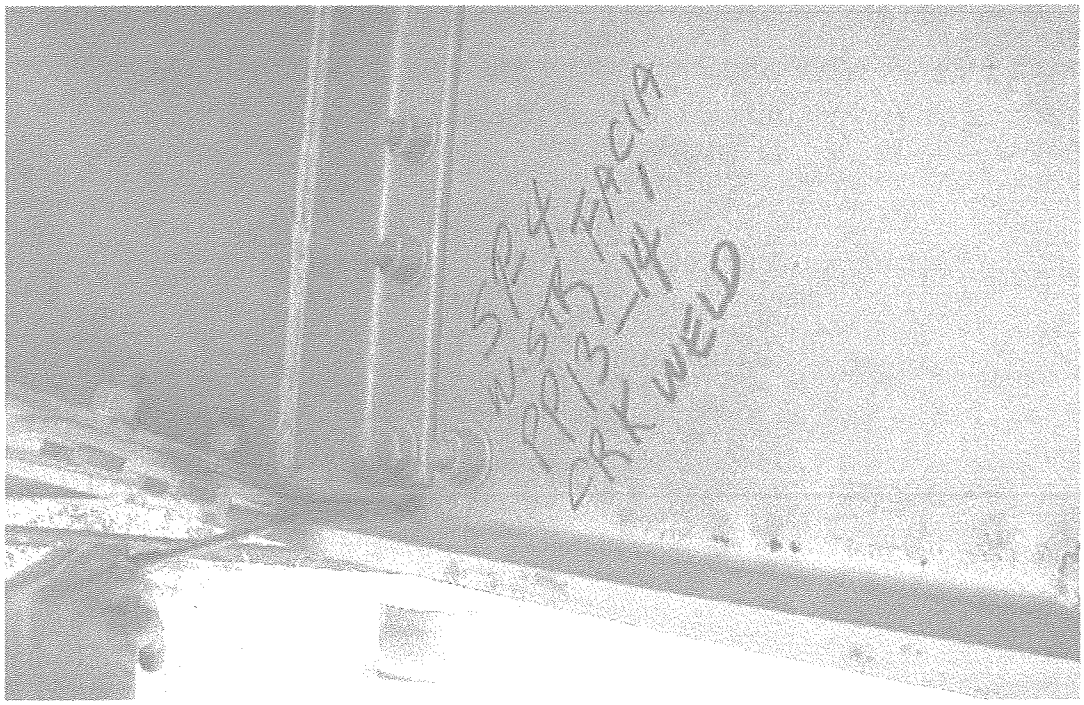


PHOTO 17

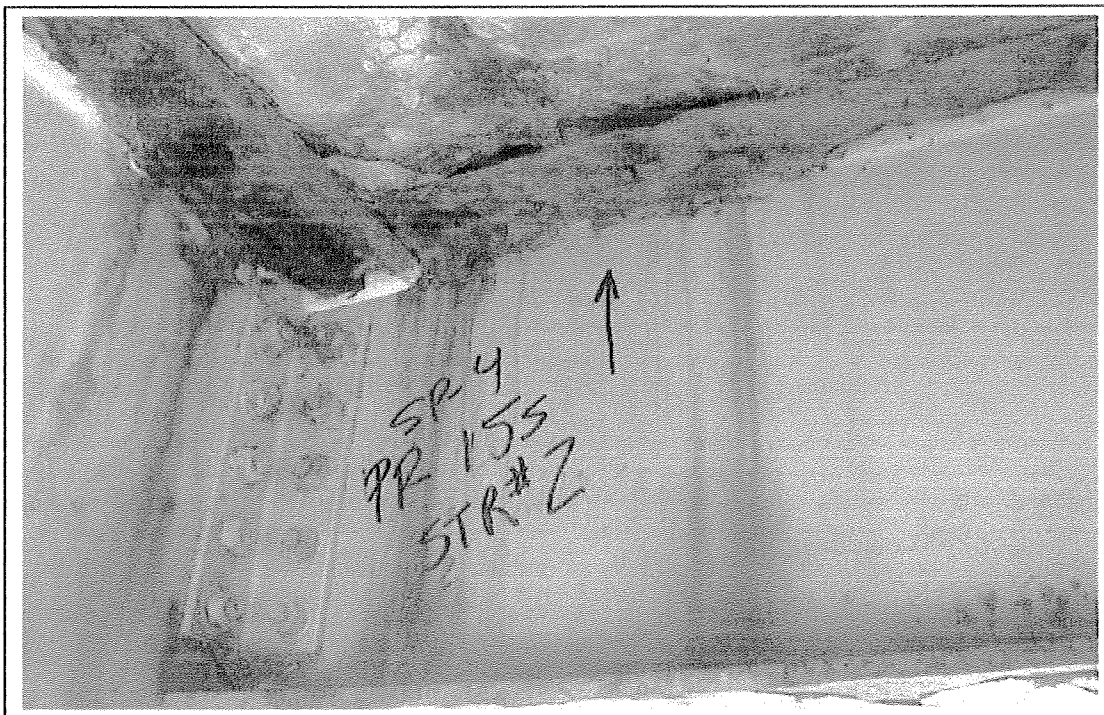


PHOTO 18 P.P.15, STR . 2, PAN. 15', SPAN 4

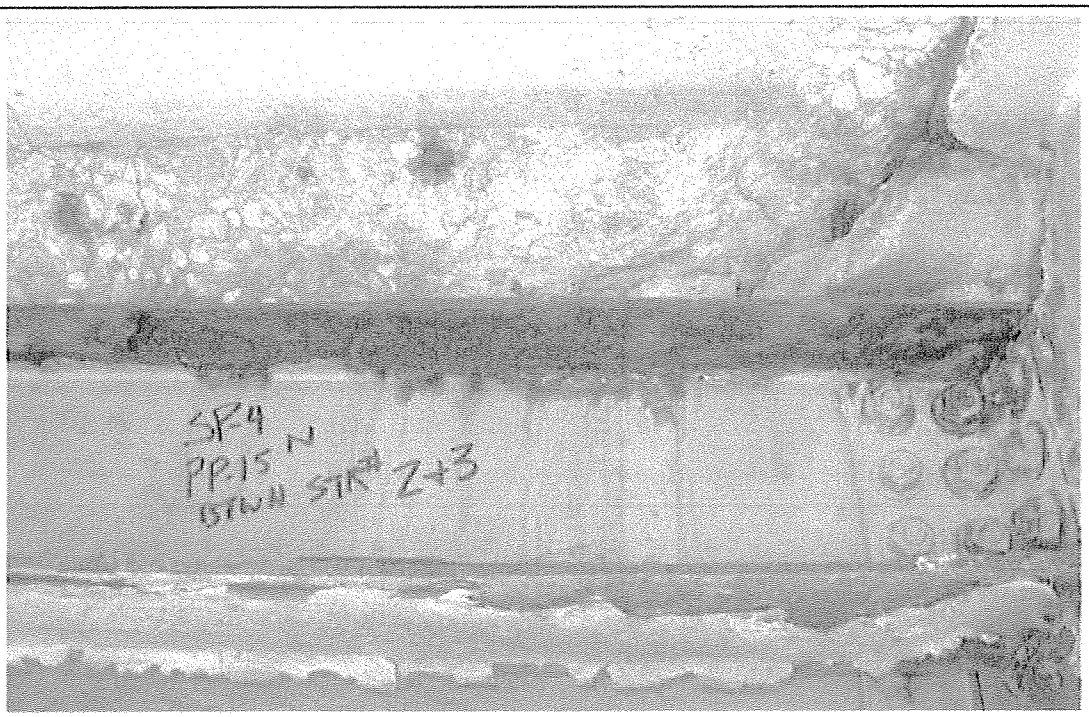


PHOTO 19 REPAIRED

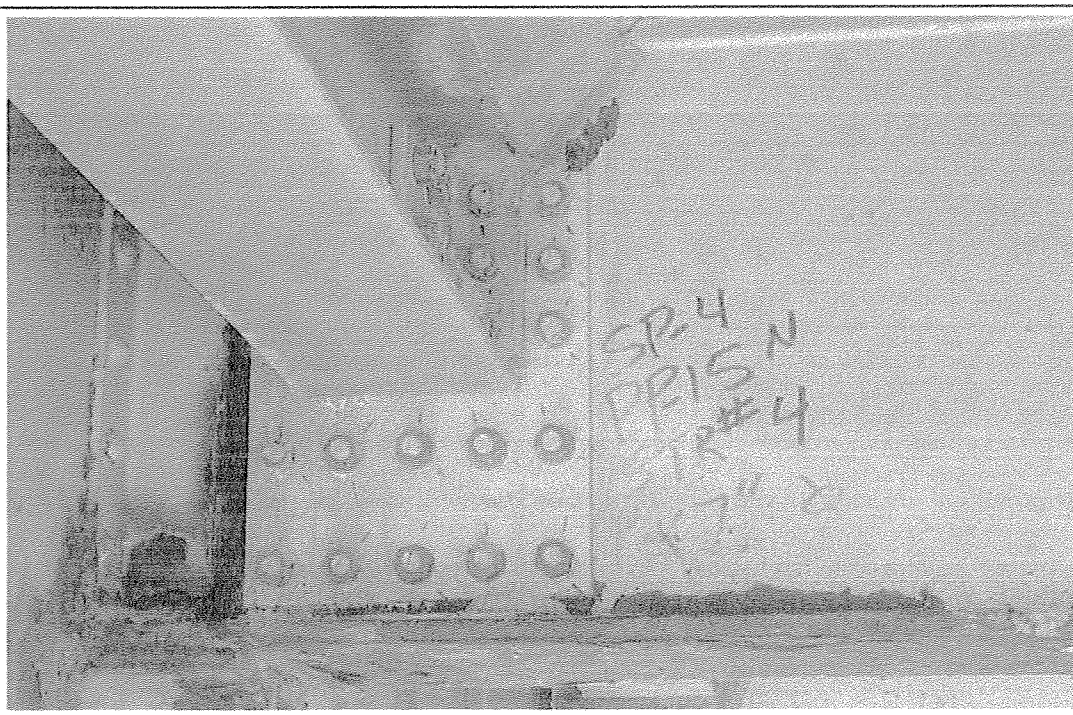


PHOTO 20 REPAIRED

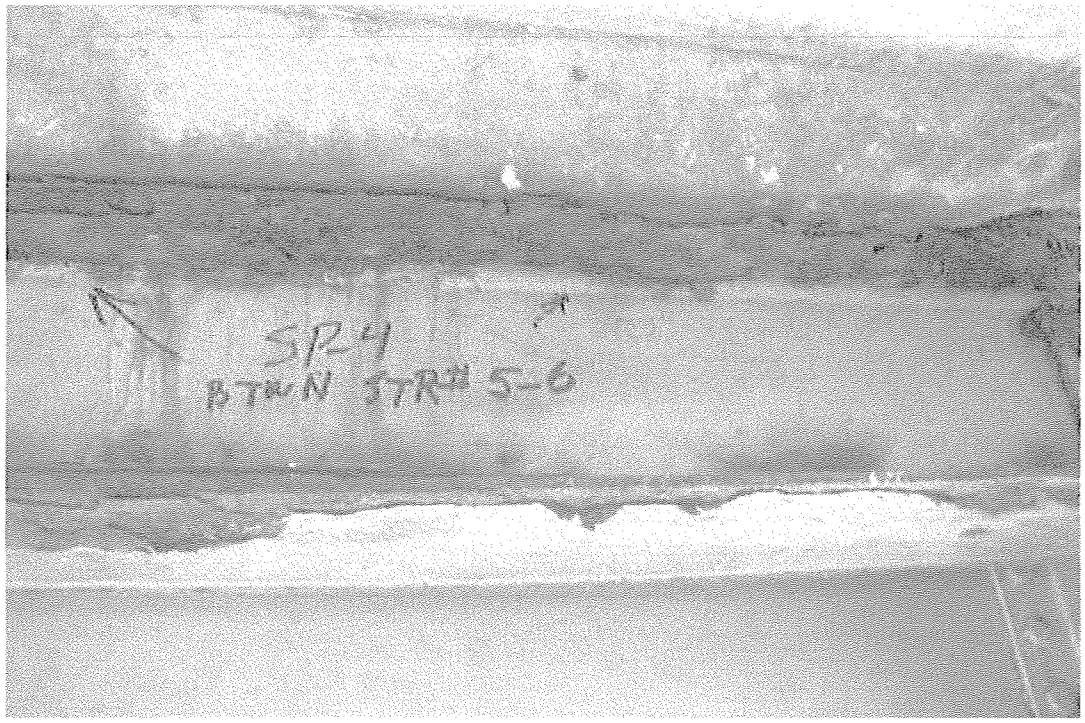


PHOTO 21 REPAIRED

PHOTO 22 REPLACED

PHOTO 23

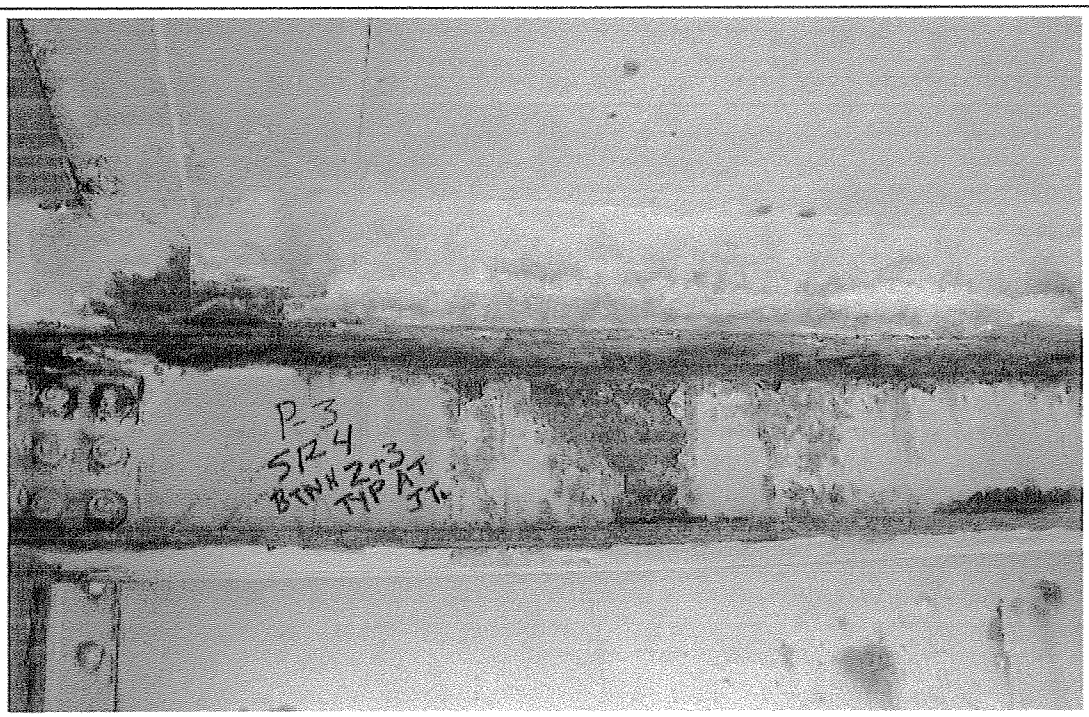


PHOTO 24 REPAIRED

PHOTO 25 REPAIRED

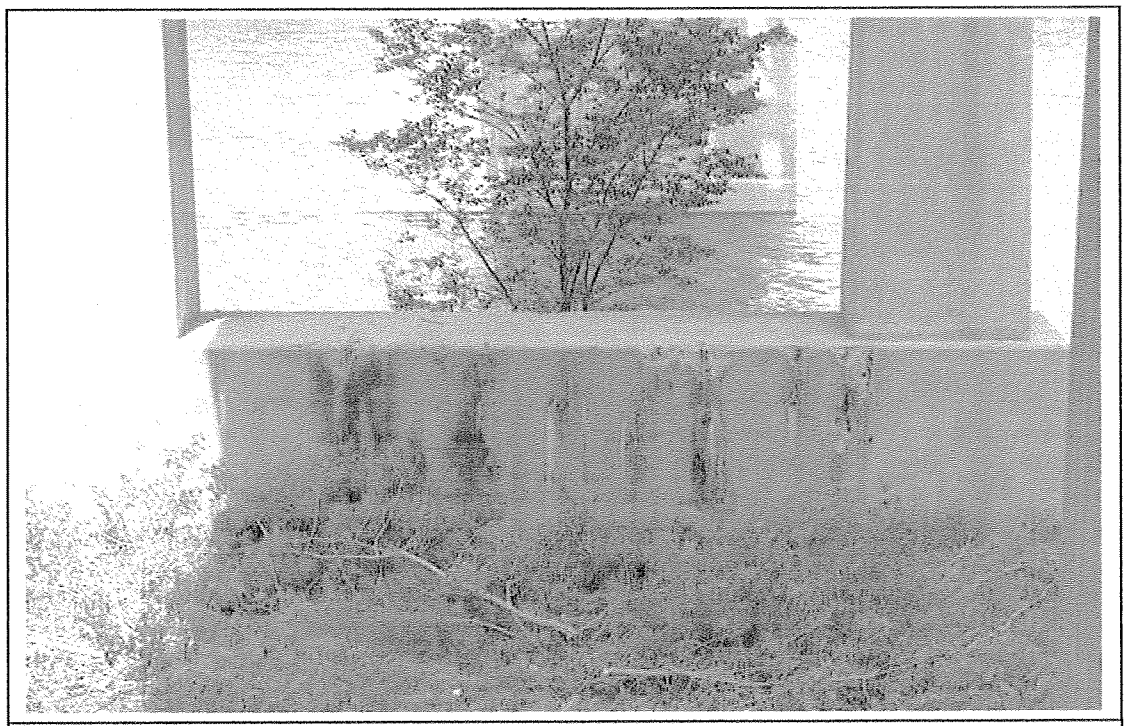


PHOTO 26

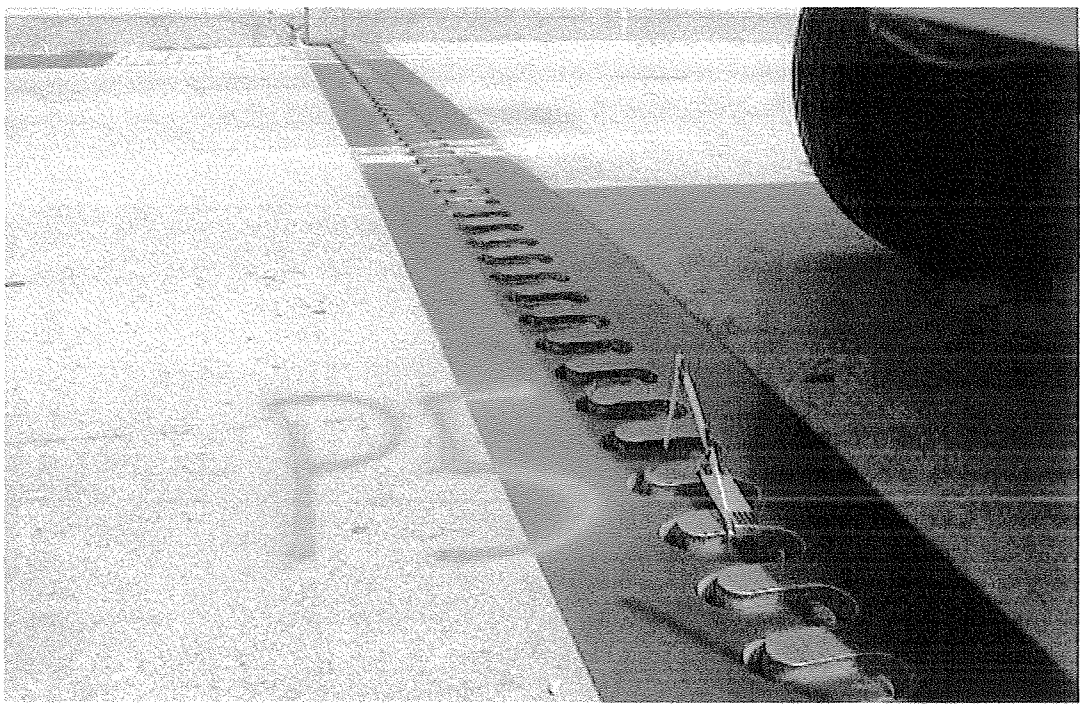


PHOTO 27

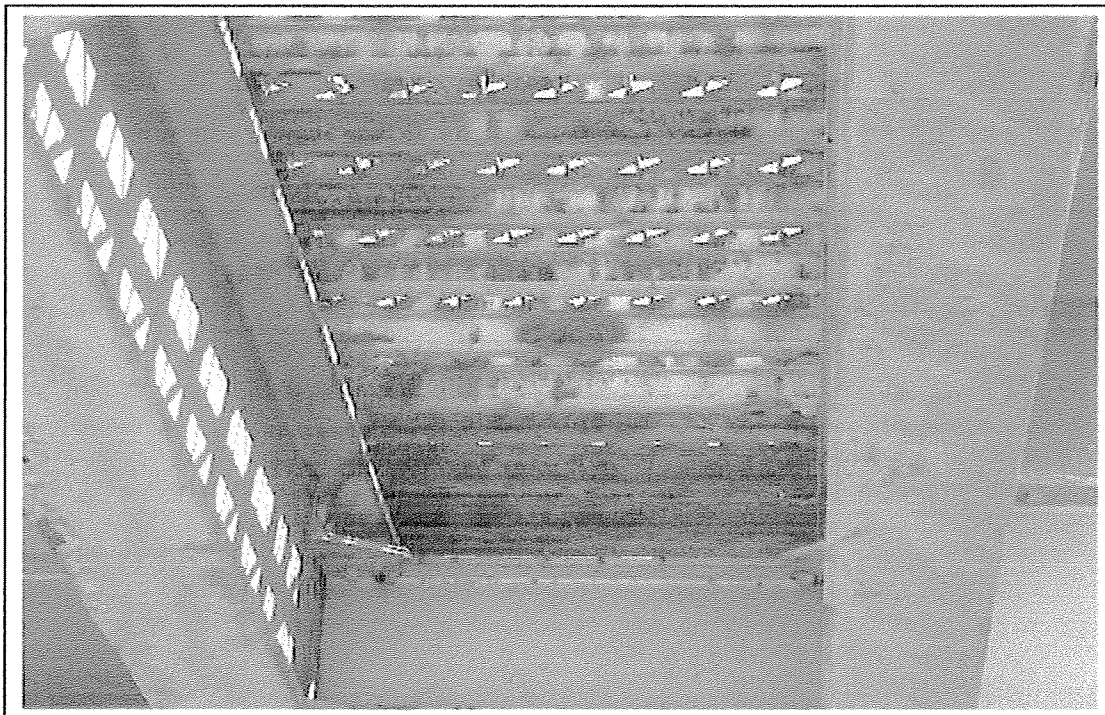


PHOTO 28

PHOTO 29

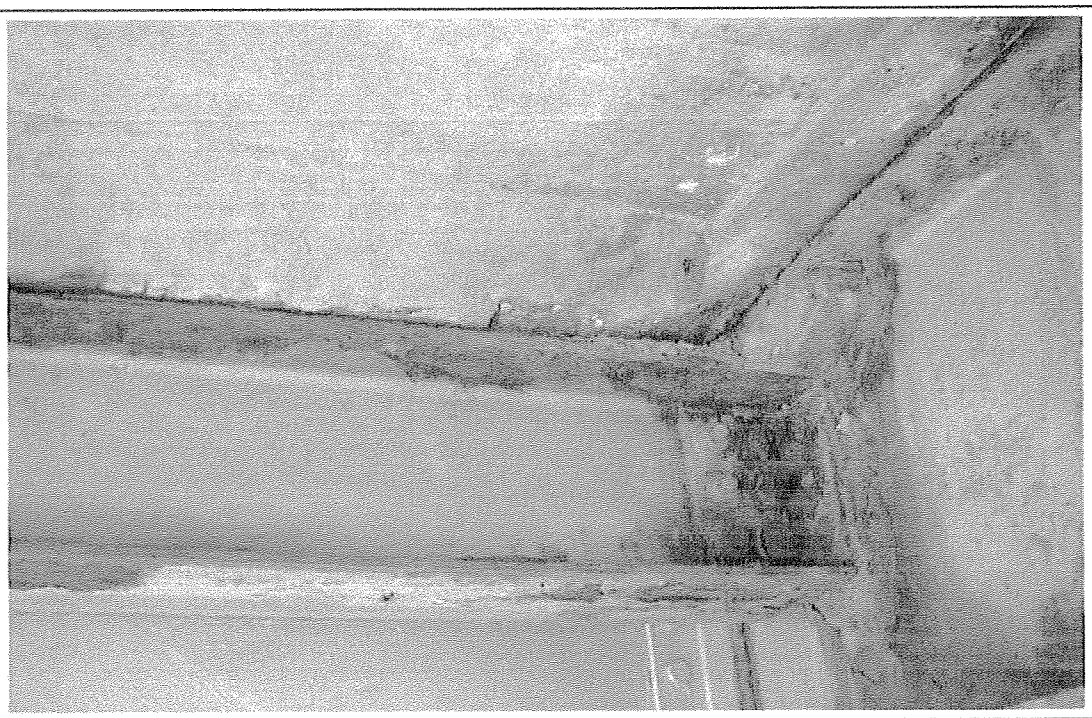


PHOTO 30 REPAIRED

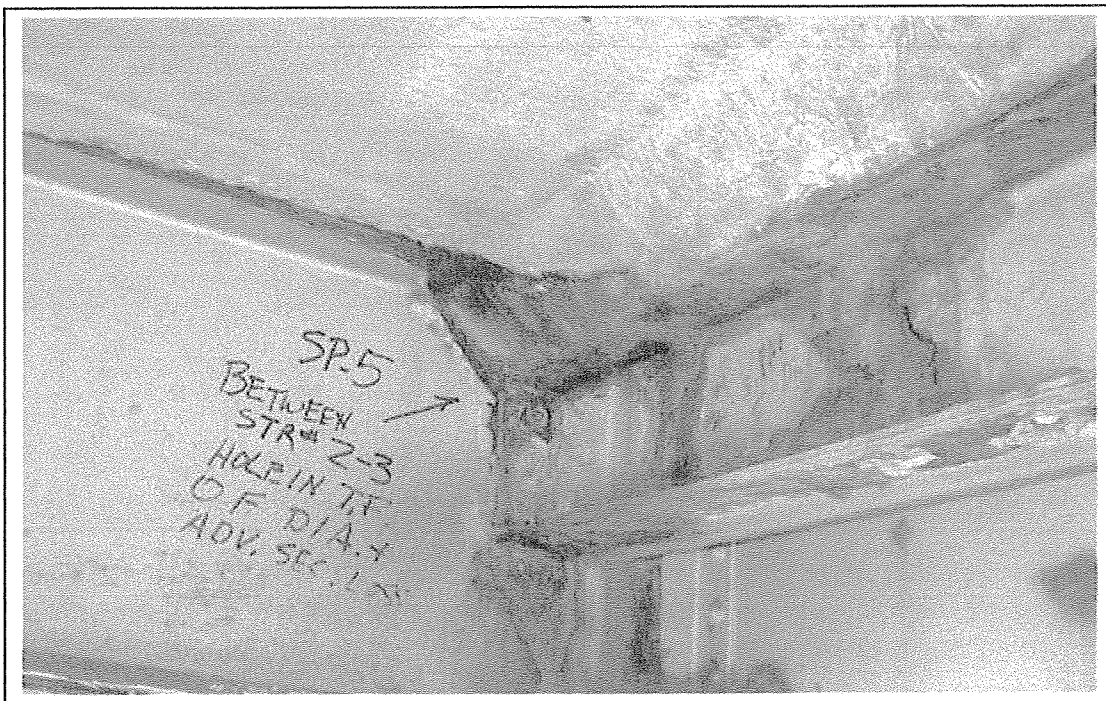


PHOTO 31 REPAIRED

PHOTO 32 REPAIRED

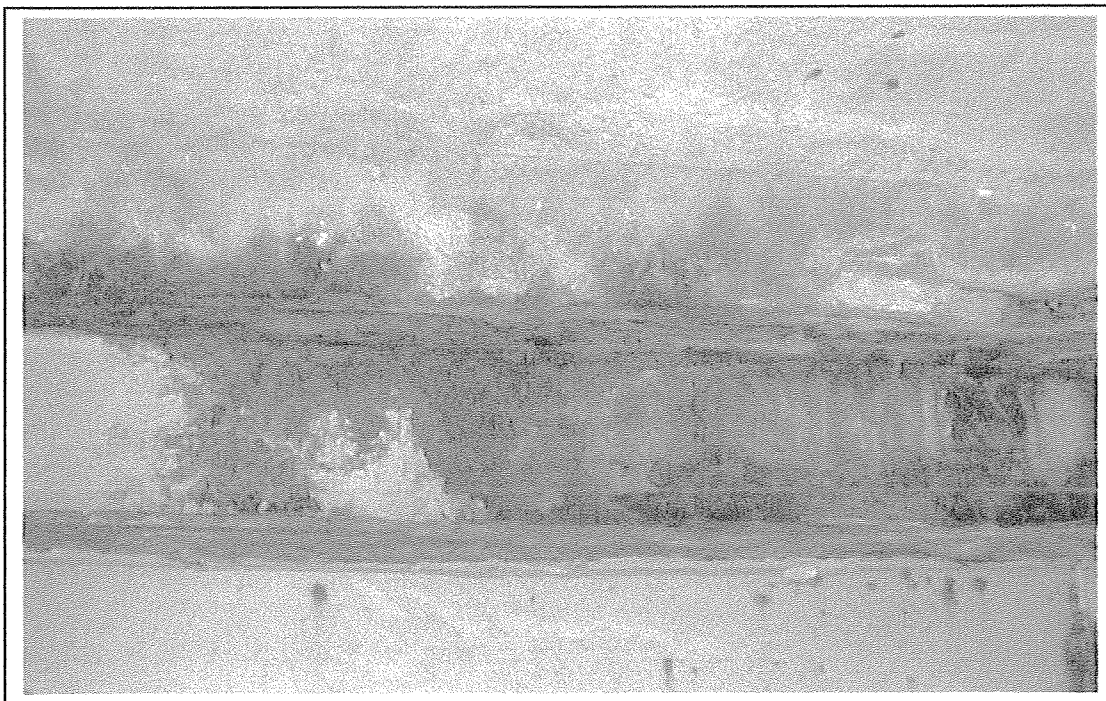


PHOTO 33 REPAIRED

PHOTO 34 REPAIRED

PHOTO 35 REPAIRED

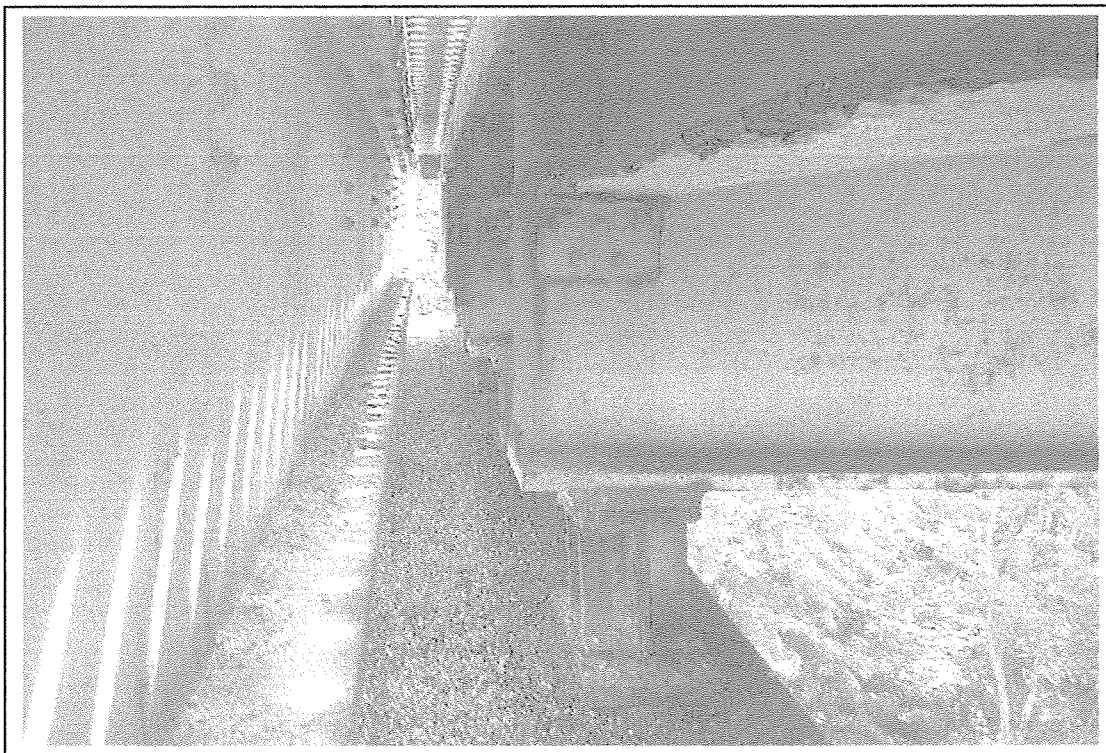


PHOTO 36 SPAN 5, @ P5

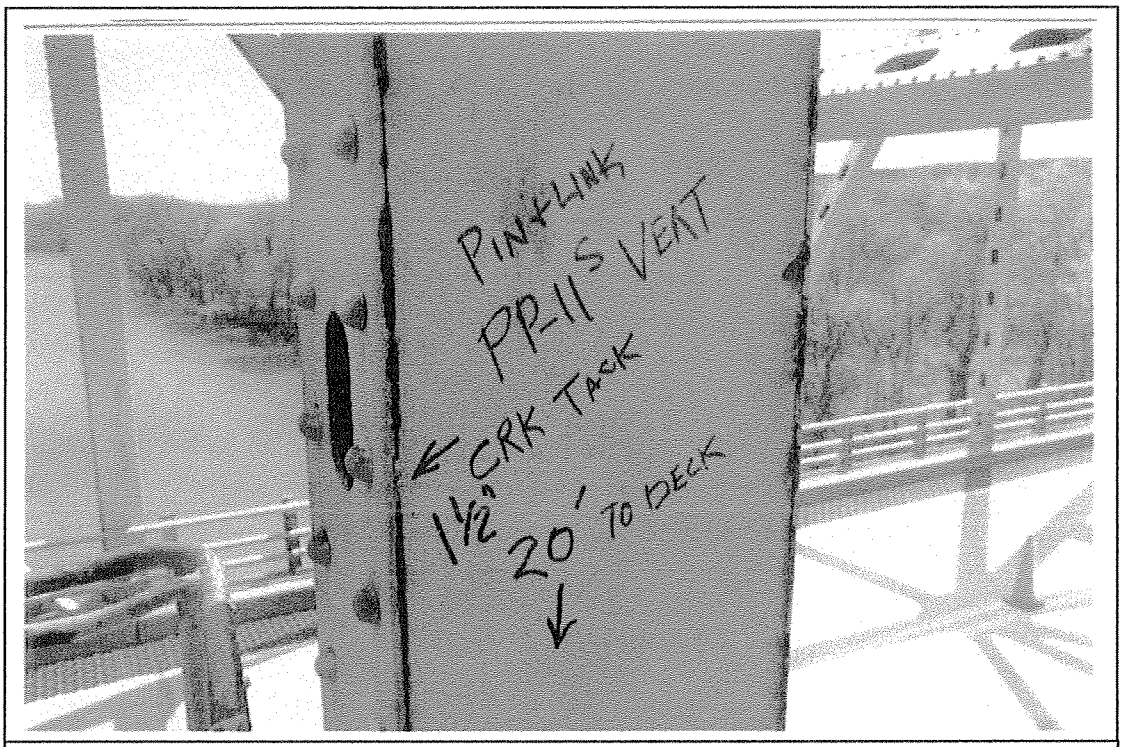


PHOTO 37

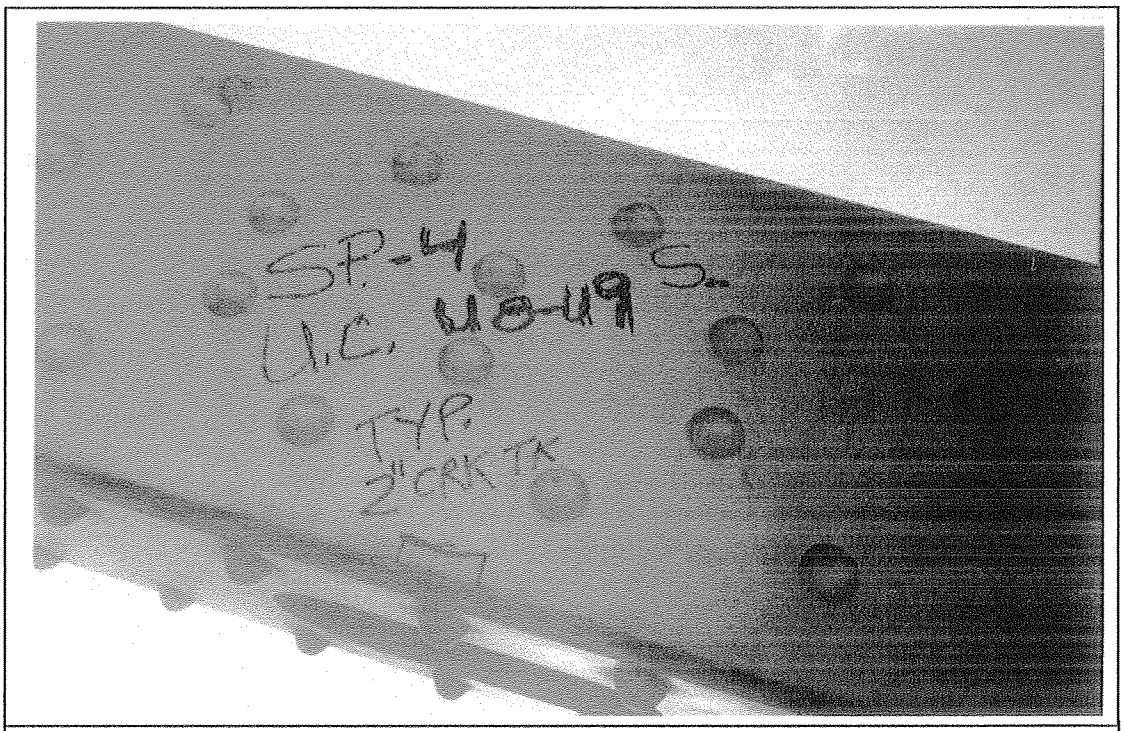


PHOTO 38

PHOTO 39 REPAIRED

PHOTO 40 WEST BOUND LANE SPAN 1 LOOKING NORTH

PHOTO 41 EAST BOUND LANE SPAN 2 LOOKING SOUTH EAST

PHOTO 42 WEST BOUND LANE SPAN 7 LOOKING NORTH

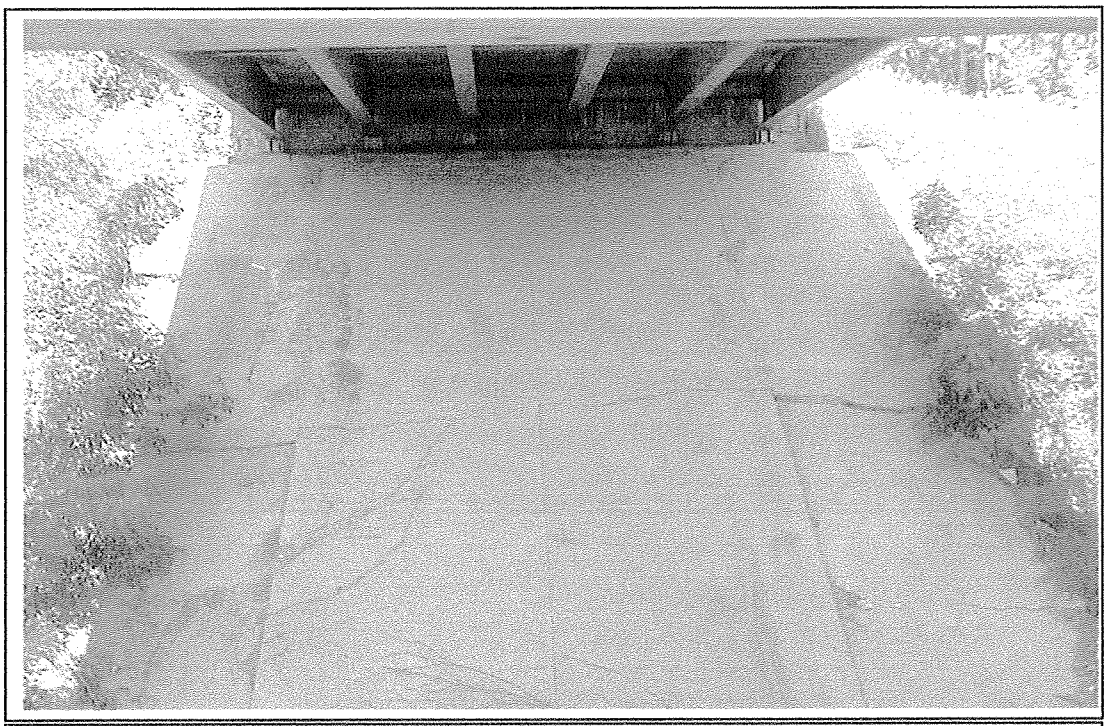


PHOTO 43

PHOTO 44 REPAIRED

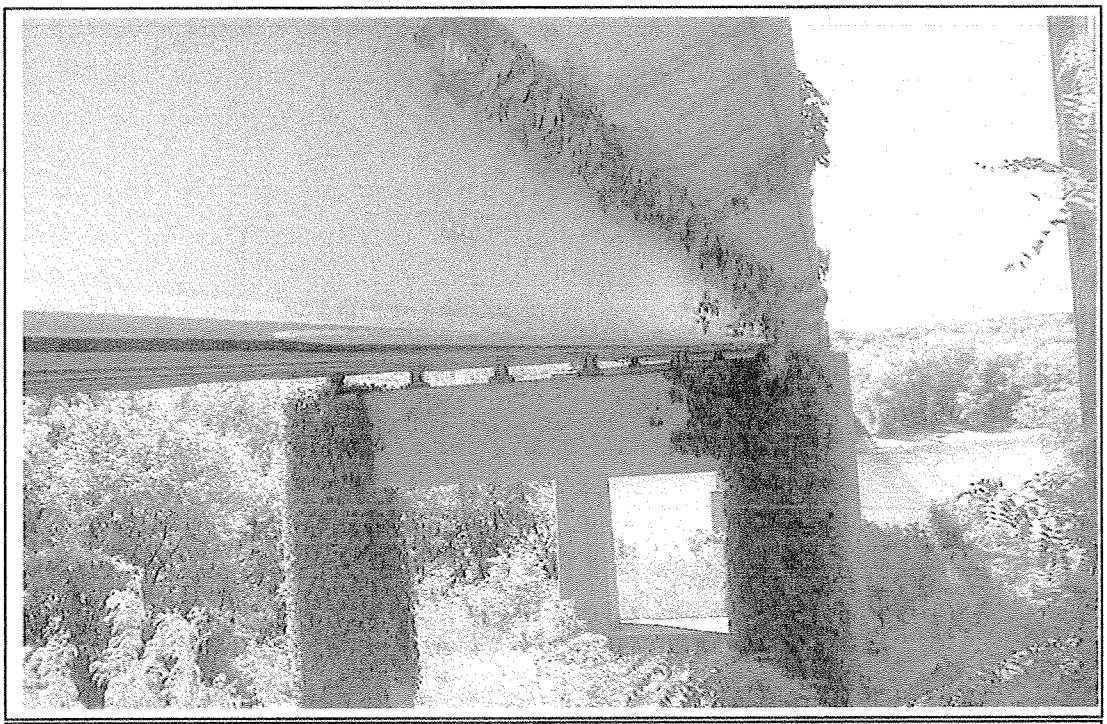


PHOTO 45 REPAIRED

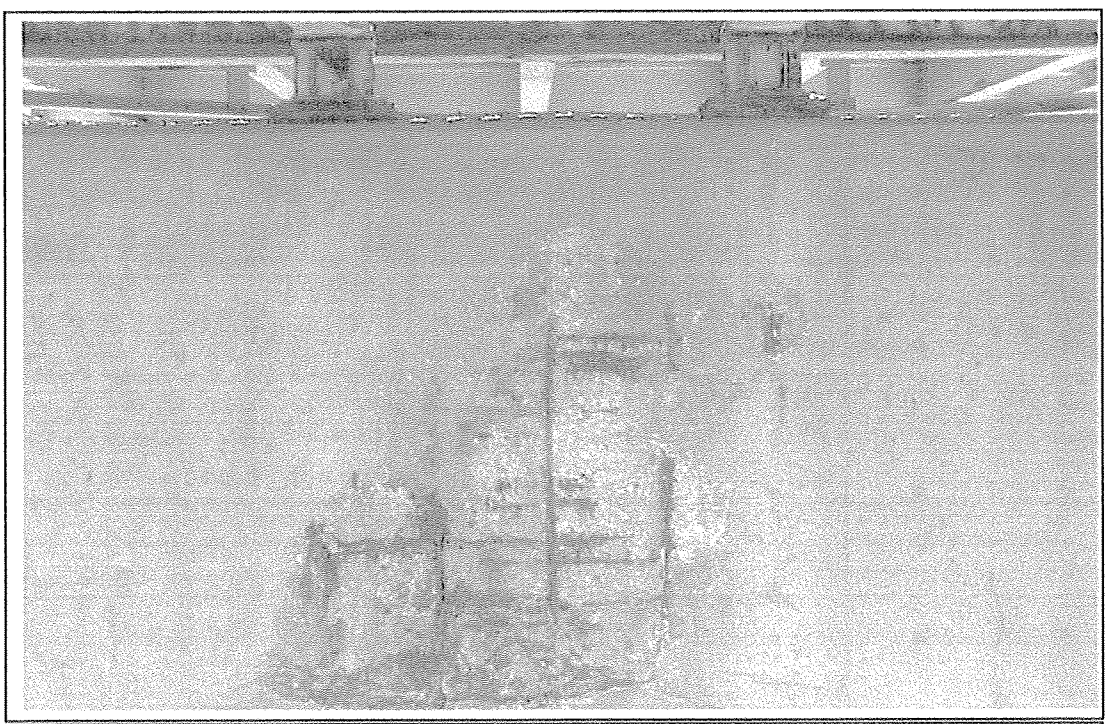


PHOTO 46

PHOTO 47

PHOTO 48

PHOTO 49

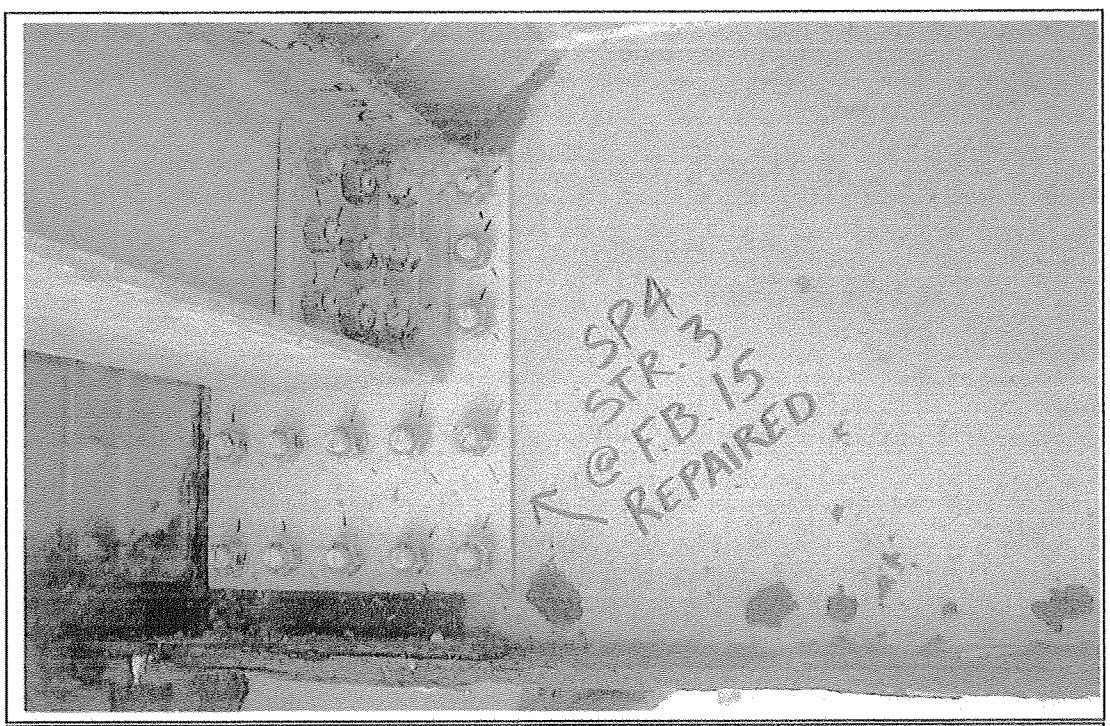


PHOTO 50 REPAIRED

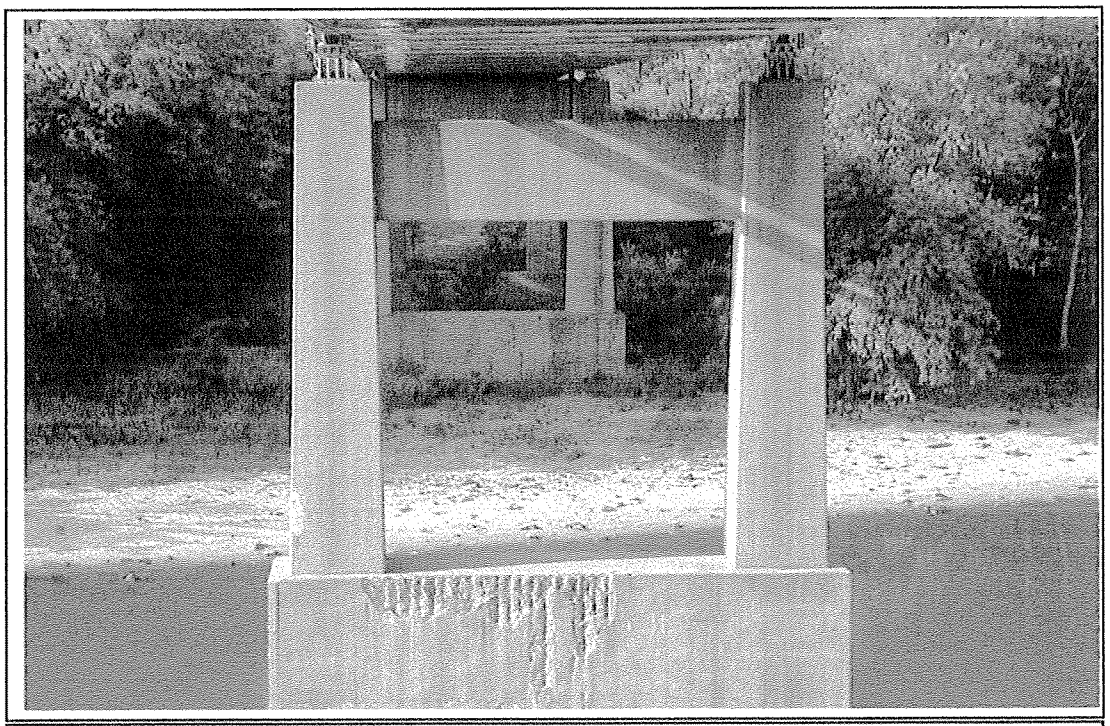


PHOTO 51

PHOTO 52

PHOTO 53 SP 1 LOOKING SOUTH

PHOTO 54 SP 2 LOOKING SOUTH

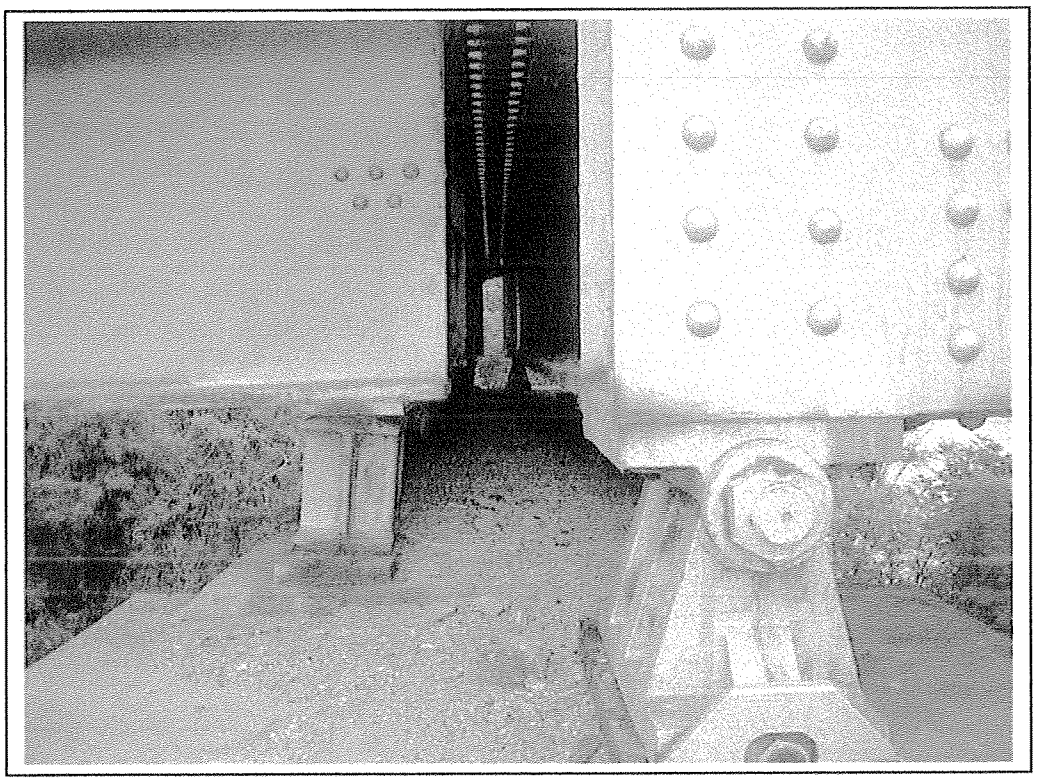


PHOTO 55

PHOTO 56

PHOTO 57

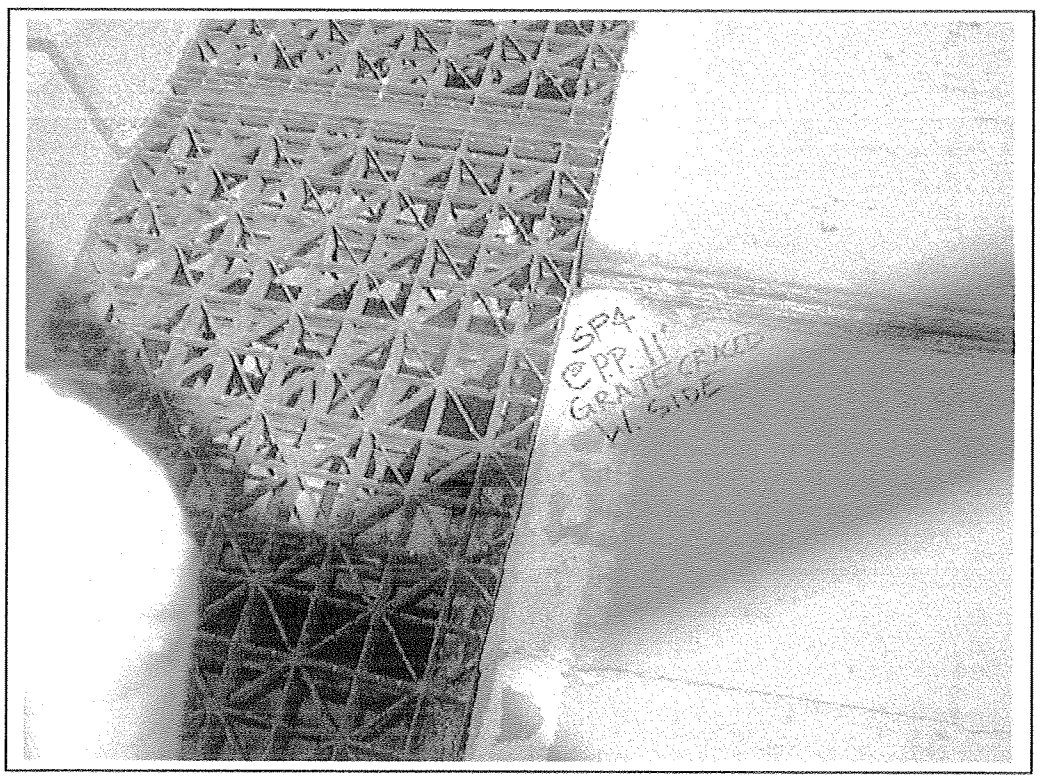


PHOTO 58

PHOTO 59

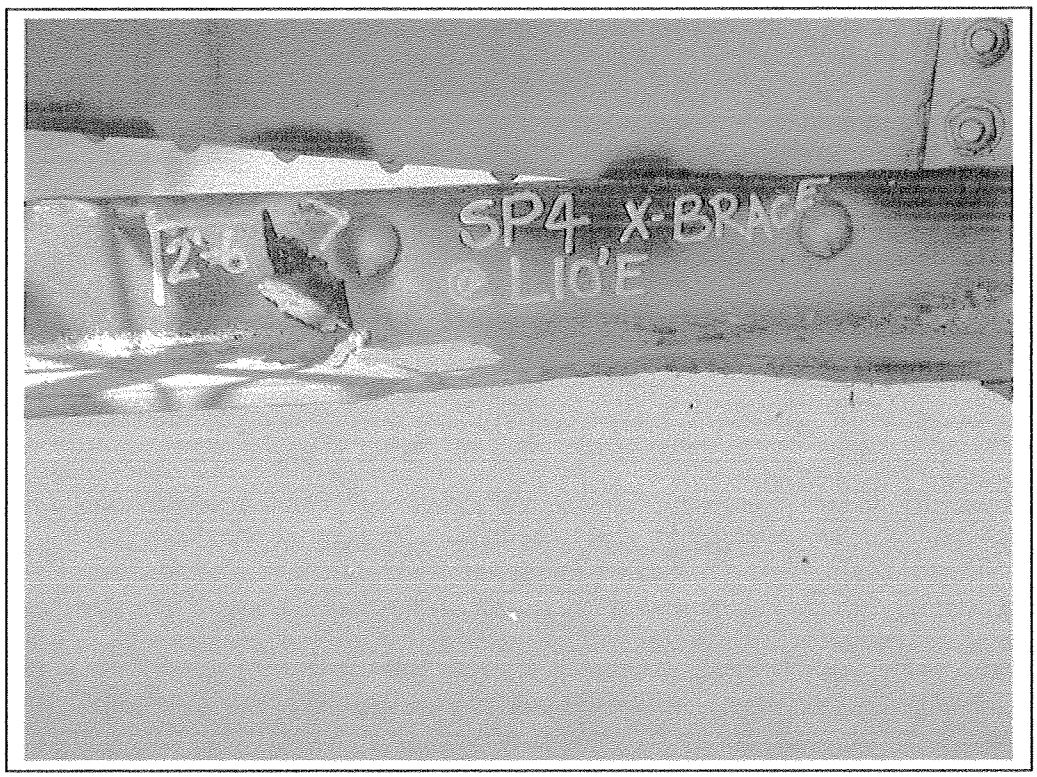


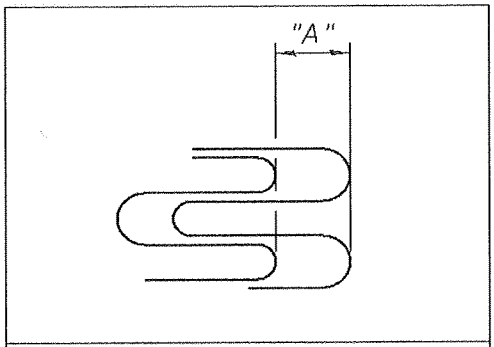
PHOTO 60

PHOTO 61

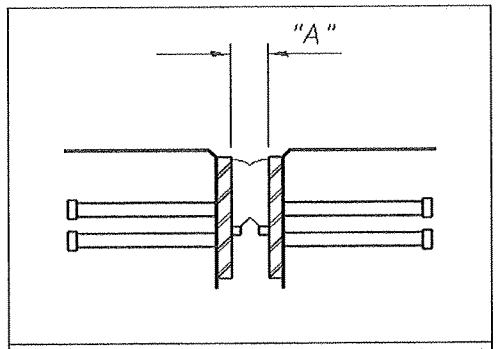
PHOTO 62

STRUCTURE NUMBER: 050-0088									
DATE: 06/08/2005					DATE: 6/18/2007				
BY: MDH					BY: CJI				
LOC.	READING	TEMP.	JNT. TYPE	LOC. MEAS.	LOC.	READING	TEMP.	JNT. TYPE	LOC. MEAS.
N. ABUT.	1 ½"	80°	PJS	W	N. ABUT.	1 ½''	81°	PJS	W
P.2	1 5/8"	80°	FJ	W	P.2	1 5/8''	81°	FJ	W
P.P. 11	2 ¾"	80°	FJ	W	P.P. 11	2 ¾''	81°	FJ	W
P.P. 11'	1 ½"	80°	PJS	W	P.P. 11'	1 ½''	81°	PJS	W
P. 5	1 ½"	80°	FJ	W	P. 5	1 ½''	81°	FJ	W
S. ABUT.	1"	80°	PJS	W	S.ABUT.	1''	81°	PJS	W
ALL READINGS TAKEN 1' FROM PARAPET, CURB OR GUARD RAIL									

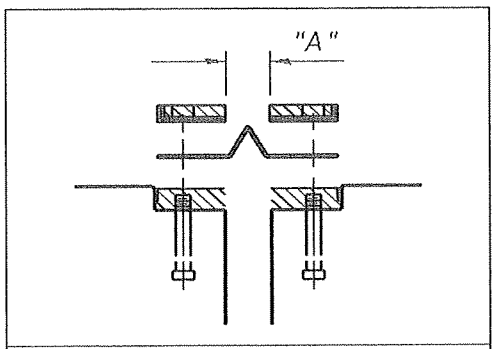
STRUCTURE NUMBER: 050-0088									
DATE: 05-16-01					DATE: 06-02-03				
BY: PTW, JLF					BY: JLF				
LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.	LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.
N ABUT.	1 ¾"	75°	PJS	E SIDE	N. ABUT.	1 3/4"	60	PJS	W
P2	2 ½"	75°	FJ	E SIDE	P.2	2 1/2"	60	FJ	W
P.P.11N	2 ¾"	75°	FJ	E SIDE	P.P. 11	3"	60	FJ	W
P.P.11S	1 ¼"	75°	FJ	E SIDE	P.P. 11'	1 1/2"	60	PJS	W
P5	1 ½"	75°	FJ	E SIDE	P. 5	1 3/8"	60	FJ	W
S ABUT.	1 ½"	75°	PJS	E SIDE	S. ABUT.	1 1/4"	60	PJS	W
ALL READINGS TAKEN 1' FROM PARAPET, CURB OR GUARD RAIL									



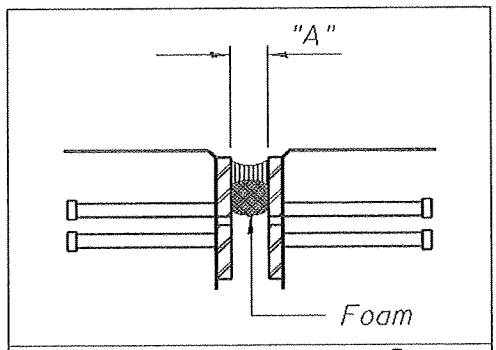
FINGER PLATE (FP)



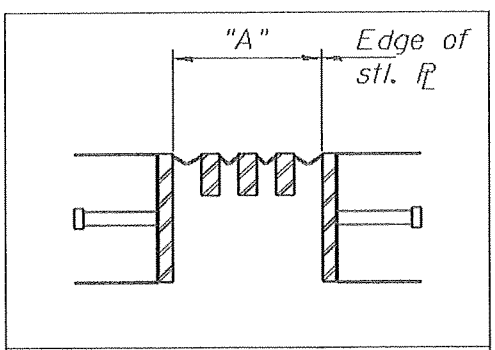
PREFORMED JOINT SEAL (PJS)



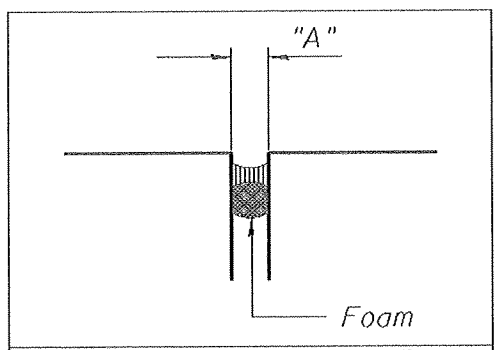
NEOPRENE JOINT (NJ)



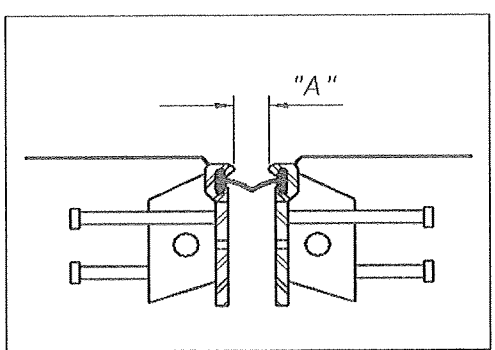
SILICONE JOINT W/ STEEL ℄ (SJS)



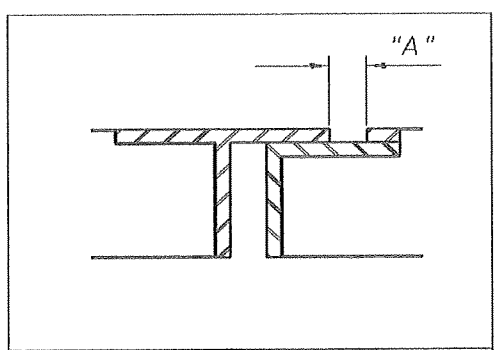
MODULAR JOINT (MJ)



SILICONE JOINT W/ CONCRETE ℄ (SJC)



STRIP SEAL JOINT (SSJ)



SLIDING STEEL JOINT (SJ)