A. LINCOLN MEMORIAL BRIDGE
I-39 over the Illinois River

SN 050-0191

Inspection Report

May 26, 2004

Prepared by the
Illinois Department of Transportation
(S. Kent Pollock)

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: 050-0191

90 – Insp. Date	90A – Insp. Team Leader/Qualification	Temp.
06/05/2002	PTW,SKP,MJM,JLF /	58
05/26/2004	PTW,SKP,MJM,JLF /	65
/ /	/	
/ /	/	
/ /	/	

Location & Inventory Information

Municipality:	
Fac Carried:	I-39 & US51
Feat Crossed:	IL. RIVER/IL.351/BO RR
Location:	2.82 MILES SOUTH OF I-80
Mat/Type/#Span:	STL.GIR. /TIED ARCH / 44

Bridge Inspection Year: 02 04

Team Sect. – Sub-Sect: –

	Appraisals		Comments *(All comments must be dated.)*
			*** DECK ***
58 - Deck Condition:	6	6	
Wearing Surface	3	3	02) REFL. CRK. ON ALL APPR. SPANS DUE TO PRECAST.
Parapets / Bridge Railings:	4	3	02) TRANV. CRK. IN ARCH SPAN AVER. SPACING 4' TO 5'
Curbs:	N	N	04) PARAPET & MEDIAN ARE CRK. & SPALLED
Median:	4	3	
Sidewalks:	N	N	02) DRAINS DON'T EXTEND BELOW STL.
Drain System:	3	3	04) AREA UNDER LIGHT POLES SPALLED WITH EXP. REBAR
Light Standards:	4	3	04)JNT @ P 34 REPAIR TROUGH @ P41 REPAIR
Expansion Joints:	4	3	Openings (In.): 02) CURTAINS HAVE COME OUT OF THE TROUGH
			*** SUPERSTRUCTURE ***
59 - Superstructure	7	7	
Bearing Devices:	3	3	02) HEAVY RUSTING, HOLD DOWNS HAVE CRK.WELDS @ P 35
Girders / Beams / Stringers:	4	3	02) LOSS OF BONDING PAINT OUTSIDE GIR.
Diaphragms / Braces:	3	3	04) BM. ENDS BELOW JNT. & TIE GIR. NEED REPAINTED
Trusses / Portals / Bracing:	4	4	
Rivets / Bolts:	4	4	
Paint:	3	3	02) ALL STL. BELOW JNT. & TIE GIR. OUTSIDE
			*** SUBSTRUCTURE ***
60 - Substructure Cond:	7	5	04) LOWERED DUE UNDERWATER RATING
Abutments: Stem / Columns / Piles:	N	N	
Abutments: Caps:	4	4	
Abutments: Bearing Seats:	4	4	
Abutments: Back walls:	3	3	
Abutments: Wing walls:	3	3	02) CRK. @ S ABUT. N.B. LANES
Piers: Stem / Columns / Piles:	4	3	04) P 21 N BOUND 6' X 30' AREA EXP. TO SECOND LAYER OF REBAR
Piers: Caps:	4	4	02) SPALLING P 40
Piers: Bearing Seats:	4	4	
Piers: Crash Walls:	4	4	02) MAP CRK. P 34 & P 35
Fender Systems:	N	N	
Paint:	N	N	

Bridge Inspection Report

Structure Number: 050-0191

Bridge Inspection Year: 02 04

	Appraisals		Comments *(All comments must be dated.)*
			*** CULVERT ***
62 – Culvert Condition	N	N	
Top Slab / Soffit:	N	N	
Side Walls / Arch:	N	N	
Bottom:	N	N	
Headwalls:	N	N	
Wingwalls:	N	N	
			*** WATERWAY AND CHANNEL ***
61 - Channel Condition:	8	8	
Streambed:	4	4	
Slope Walls & Rip-Rap:	N	N	
Stream Banks:	4	4	
Spur Dykes & Jetties:	N	N	
71 – Waterway	9	9	
			*** APPROACH ROADWAY ***
72 – Appr. Rdwy Align:	8	8	
Riding Quality:	4	3	04) BUMP
Structural Condition:	4	3	04) 1" DEF. FROM APPR. TO S.B. LANES
Relief Joints:	4	4	
			*** NAVIGABLE WATERWAYS ***
111 – Pier Navig. Protect'n:	5	5	

*** INSPECTION REMARKS ***

Year	Item 90B – Inspection Remarks (237 characters maximum.)
2002	HOLD DOWN BRG. @ P 35 HAVE CRK. WELDS. CURTAINS OUT OF TROUGH @ FP JNT. MINOR CRK. & SPALLING ON SUBSTRUCTURE UNITS
2004	INTERSECTING LONG. & TRANV. CRK.ON DECK SURFACE. HEAVY RUSTING OF BM. ENDS & BEARING @ JNT. SPALLED AREAS ON P21 & P40

Bridge Inspection Report

Structure Number: 050-0191

*** ADDITIONAL INSPECTION DATA ***

36A – Bridge Railing Adequacy:	3	Rail Types:			
Approach Guardrail Adequacy: 36B – Transitions:	3	36C – Guardrail:	3	36D – Ends:	2

108A – Wearing Surface Type:	A	108B – Type of Membrane:	F	108C – Deck Protection:	A
108D – Total Deck Thickness (In.):	7.5"	MAIN SPAN 35 8.0"			

59A – Paint Date (Mo/Yr):	11/88	
59B – Paint Systems:	G	Color: Fascia – GR.; Inter. – GR.; Railing –
59C – Utilities Attached:	9	

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	PAUL WARNER	6-5-02	
	PAUL WARNER	5-26-04	

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 050-0191 MUNI LASALLE
Facility Carried I-39 & US 51
Feature Crossed IL. RIVER/ IL 351/BO. RR
Location 2.82 MILES SOUTH OF I-80
Main Spans SPAN #35
Type: D3 Frequency 24 '

Mo.	Day	Year	Temp.	INSPECTORS	Rating	Method	Remarks
06	5	2002	58	PTW SKP MJM	7	V	
05	26	2004	66	PTW SKP	7	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

X1-Other

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

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

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

Illinois Department of Transportation

Bridge Inspection Report
Underwater Inspection

SN 050-0191 MUNI LASALLE
Facility Carried I-39 & US 51
Feature Crossed IL. RIVER / IL 351/ BO. RR.
Location 2.82 MILES SOUTH OF I-80
Main Spans SPAN # 35

Category(s): 2,5 Frequency: 60

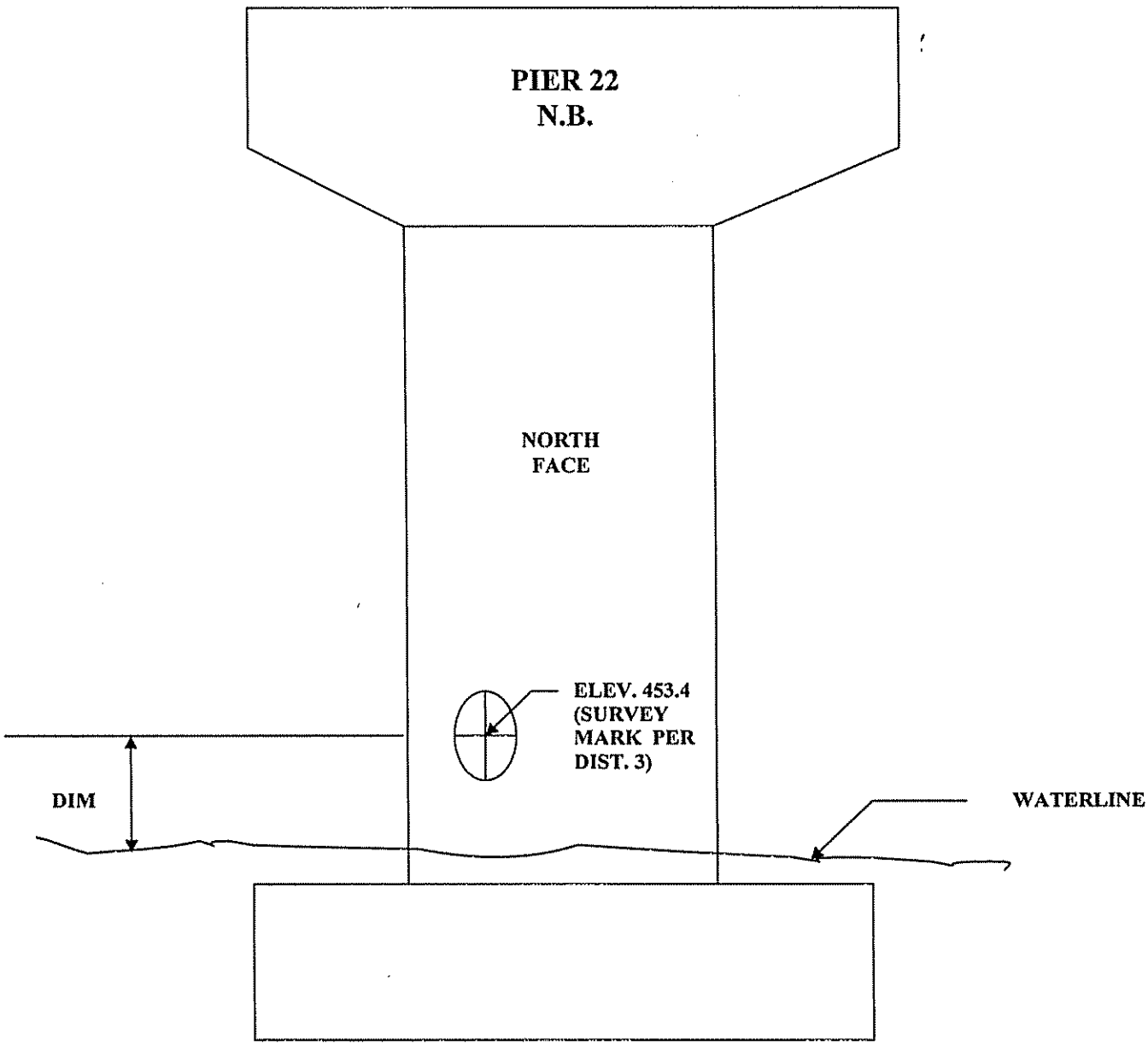
Mo.	Day	Year	Temp.	Inspector	Rating	Method	Remarks
06	13	2002	60	PTW SKP	5	S,P	(02) FOOTING EXP. @ P34 &P35 SCOUR UPSTREAM OF P34 IS BELOW THE SEAL COAT.

Proposed Maintenance Repair

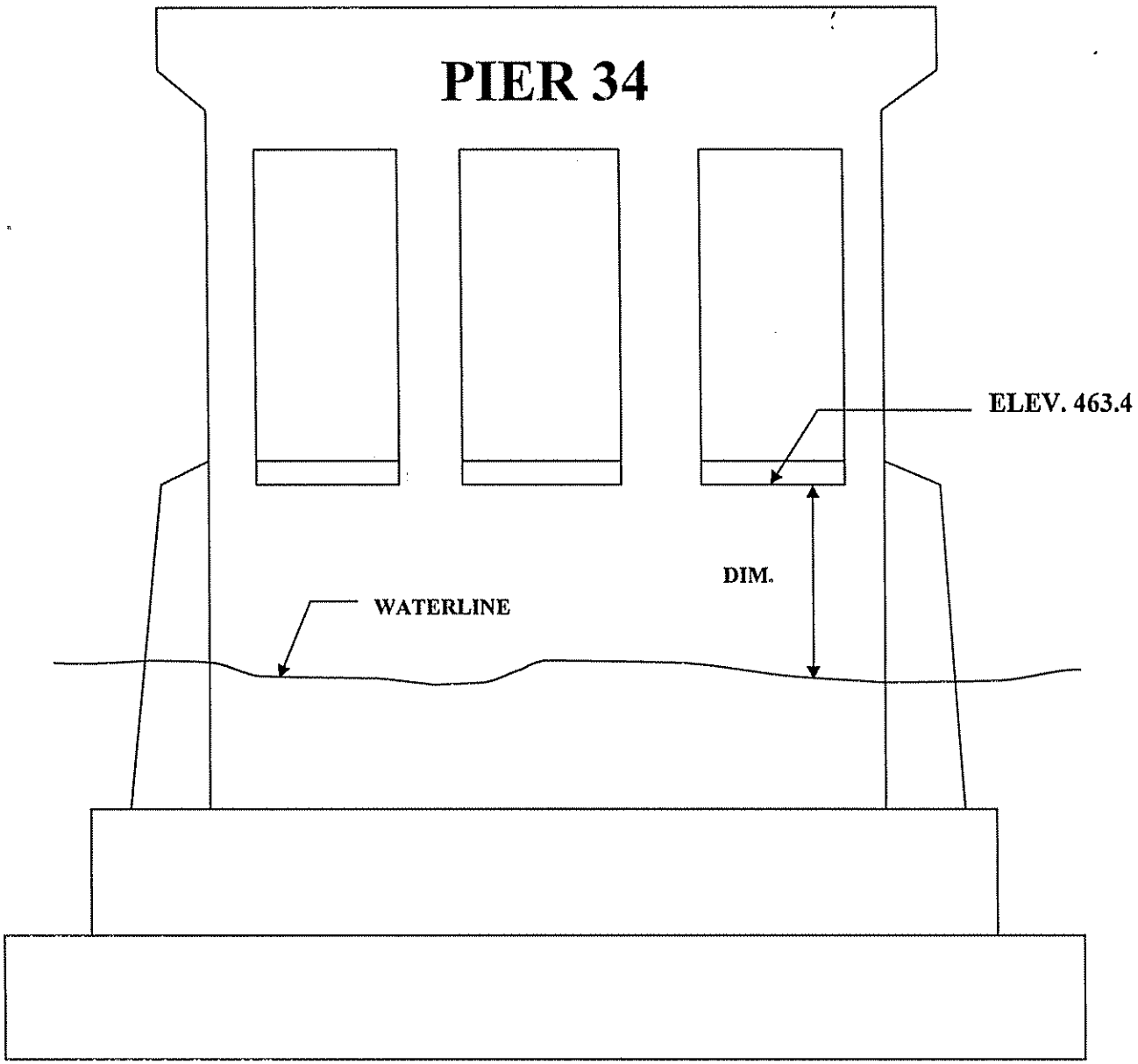
Repair Code	Repair Description	Assigned to Code	Priority Code	Quantity	Unit Cost	Date Completed

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


PIER 22
N.B.
NORTH
FACE
ELEV. 453.4
(SURVEY
MARK PER
DIST. 3)
DIM
WATERLINE

DETAIL A



DETAIL B

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050 - 0191
INSPECTION DATE: July 25, 2002
INSPECTED BY: SKP, PTW

WATER ELEVATION: 449.7

DETAIL/DIM./ELEV.: A/3.67/453.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	447	447	448	448	448	448	448
25'(+/-)	447	447	448	447	448	448	448
Edge	447	447	448	447	447	448	448
C.L.	448	448	448		448	448	448
Edge	448	448	448	448	448	448	448
25'(+/-)	448	448	448	448	448	448	448
50'(+/-)	448	448	448	448	448	448	448

PIER 18 N.B.

FLOW DIR: ↓

TOP PILE CAP
ELEVATION: 443.0

BOT. PILE CAP
ELEVATION: 438.0

PIER 18 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION:NA

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050 - 0191
INSPECTION DATE: July 25, 2002
INSPECTED BY: SKP, PTW

WATER ELEVATION: 449.7

DETAIL/DIM./ELEV.: A/3.67/453.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	447	447	447	447	447	447	447
25'(+/-)	447	447	447	447	447	447	447
Edge	448	448	447	447	447	447	447
C.L	448	448	447		447	447	447
Edge	448	448	447	447	447	447	447
25'(+/-)	448	448	447	448	448	447	447
50'(+/-)	448	448	447	448	448	447	447

PIER 19 N.B.

FLOW DIR: ↓

TOP PILE CAP
ELEVATION: 443.0

BOT. PILE CAP
ELEVATION: 438.0

PIER 19 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: NA

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050 - 0191
INSPECTION DATE: July 25, 2002
INSPECTED BY: SKP, PTW

WATER ELEVATION: 449.7

DETAIL/DIM./ELEV.: A/3.67/453.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	448	448	447	447	447	447	447
25'(+/-)	448	448	447	447	447	447	447
Edge	448	448	447	447	447	447	447
C.L.	448	447	448		448	448	448
Edge	448	447	448	448	448	448	448
25'(+/-)	447	447	448	448	448	448	448
50'(+/-)	447	447	448	448	448	448	448

PIER 20 N.B.

FLOW DIR. ↓

TOP PILE CAP
ELEVATION: 444.0

BOT. PILE CAP
ELEVATION: 439.0

PIER 20 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: NA

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050 - 0191
INSPECTION DATE: July 25, 2002
INSPECTED BY: SKP, PTW

WATER ELEVATION: 449.7

DETAIL/DIM./ELEV.: A/3.67/453.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	448	448	448	448	447	447	447
25'(+/-)	448	448	448	448	448	448	448
Edge	448	448	448	448	448	448	448
C.L.	448	448	448		448	448	448
Edge	448	448	448	448	448	448	448
25'(+/-)	448	448	448	448	448	448	448
50'(+/-)	448	448	448	448	448	448	448

PIER 21 N.B.

FLOW DIR. ↓

TOP PILE CAP
ELEVATION: 444.0

BOT. PILE CAP
ELEVATION: 439.0

PIER 21 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: NA

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050-0191
INSPECTION DATE: July 25,2002
INSPECTED BY: SKP,PTW

WATER ELEVATION: 449.7

DETAIL/DIM./ELEV.: A/3.67/453.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)				448	448	448	447
25'(+/-)			448	448	448	448	447
Edge			448	448	448	448	448
C.L			448		448	448	448
Edge			448	448	448	448	448
25'(+/-)			448	448	448	448	448
50'(+/-)			448	448	448	448	448

PIER 22 N.B.

FLOW DIR.: ↓

TOP PILE CAP
ELEVATION : 444.0

BOT. PILE CAP
ELEVATION: 439.0

PIER 22 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: NA

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050-0191
INSPECTION DATE: 06-03-02
INSPECTED BY: PTW, SKP, MJM

WATER ELEVATION: 447.4

DETAIL/DIM./ELEV.: B/16'/463.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	437	441	442	444	445		
25'(+/-)	436	441	442	443	445		
Edge	435	440	439	443	444		
C.L.	436	440	441		444		
Edge	436	441	441	444	444		
25'(+/-)	436	440	442	443	445		
50'(+/-)	436	439	442	442	444		

PIER 33 N.B.

FLOW DIR.: ↓

TOP PILE CAP
ELEVATION:434.0

BOT. PILE CAP
ELEVATION: 428.0

PIER 33 S.B.

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: 421.25

BANK

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050-0191
INSPECTION DATE: 06-03-02
INSPECTED BY: PTW, SKP, MJM

WATER ELEVATION: 447.4

DETAIL/DIM./ELEV.: B/16'/463.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	432	432	433	433	433	433	434
25'(+/-)	432	432	432	405	433	433	434
Edge	432	432	426	426	426	430	433
C.L.	431	430	426		431	434	433
Edge	429	427	428	434	436	436	436
25'(+/-)	428	427	429	429	431	437	438
50'(+/-)	428	427	429	429	430	432	436

PIER 34.

FLOW DIR. : ↓

TOP PILE CAP
ELEVATION: 425.0

BOT. PILE CAP
ELEVATION: 419.0

DESIGN S.B.
ELEVATION: UNKNOWN

BOT. SEALCOAT
ELEVATION: 406.0

UNDERWATER INVESTIGATION

STRUCTURE NUMBER: 050-0191
INSPECTION DATE: 06-03-02
INSPECTED BY: PTW, SKL, MJM

WATER ELEVATION: 447.4

DETAIL/DIM./ELEV.: B/16'/463.4

	50'	25'	Edge	Center Line	Edge	25'	50'
50'(+/-)	439	438	437	436	436	433	427
25'(+/-)	439	437	432	430	427	433	427
Edge	440	431	431	426	431	426	428
C.L.	441	439	439		431	429	428
Edge	441	438	432	433	433	433	429
25'(+/-)	441	439	436	436	436	434	430
50'(+/-)	441	440	437	439	439	435	430

PIER 35

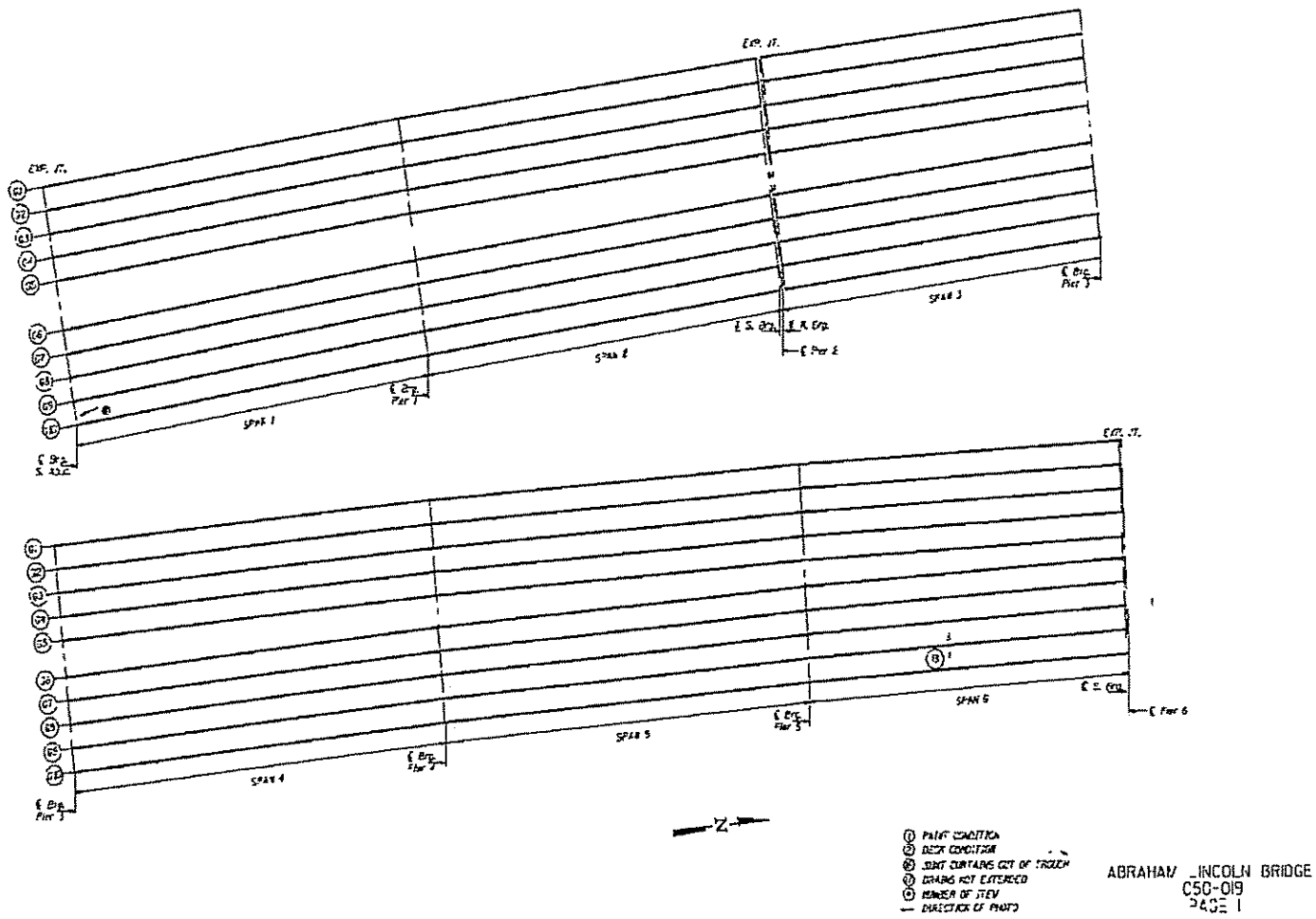
FLOW DIR: ↓

TOP PILE CAP
ELEVATION: 430.0

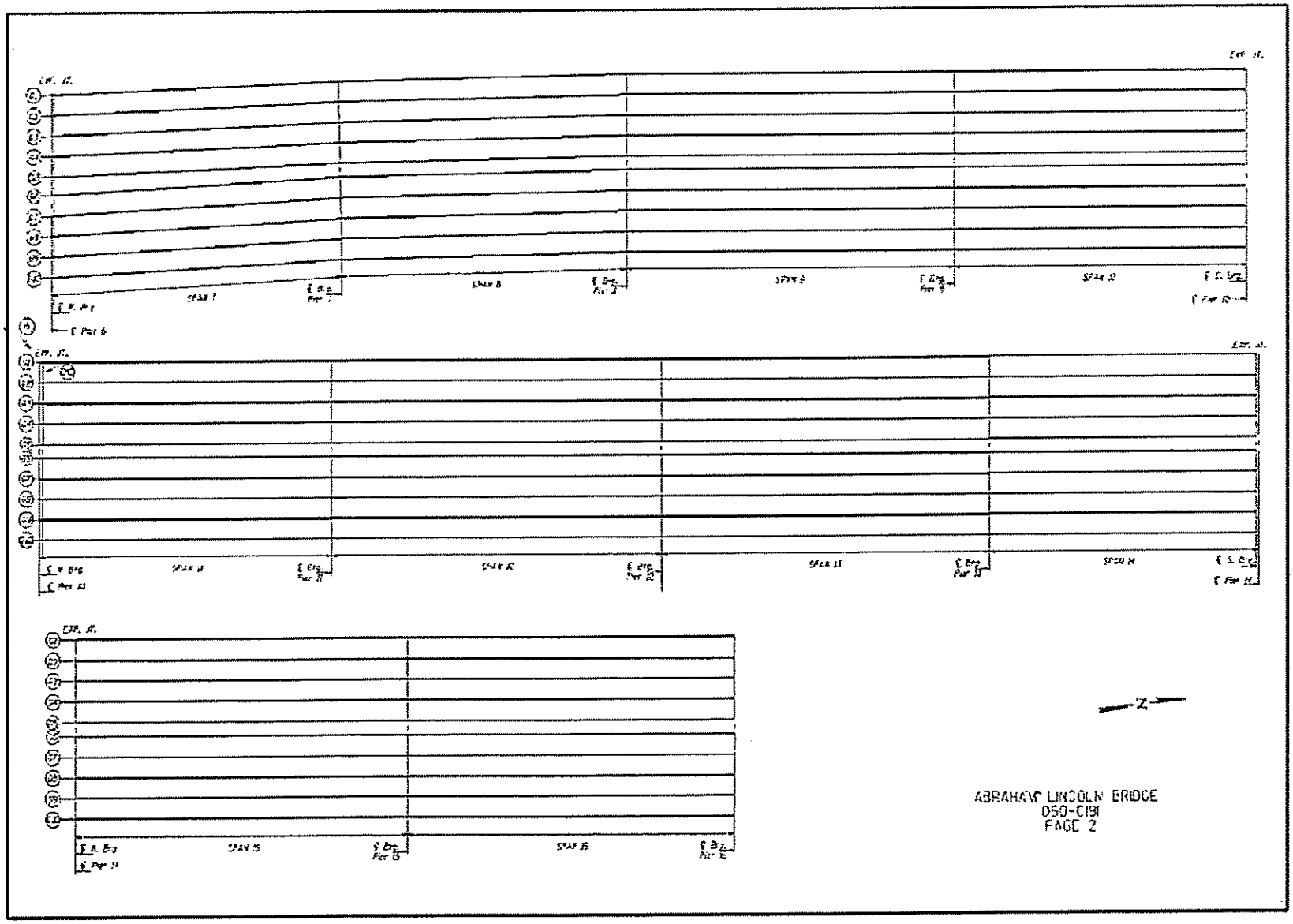
BOT. PILE CAP
ELEVATION: 422.0

DESIGN S.B.
ELEVATION: UNKNOWN

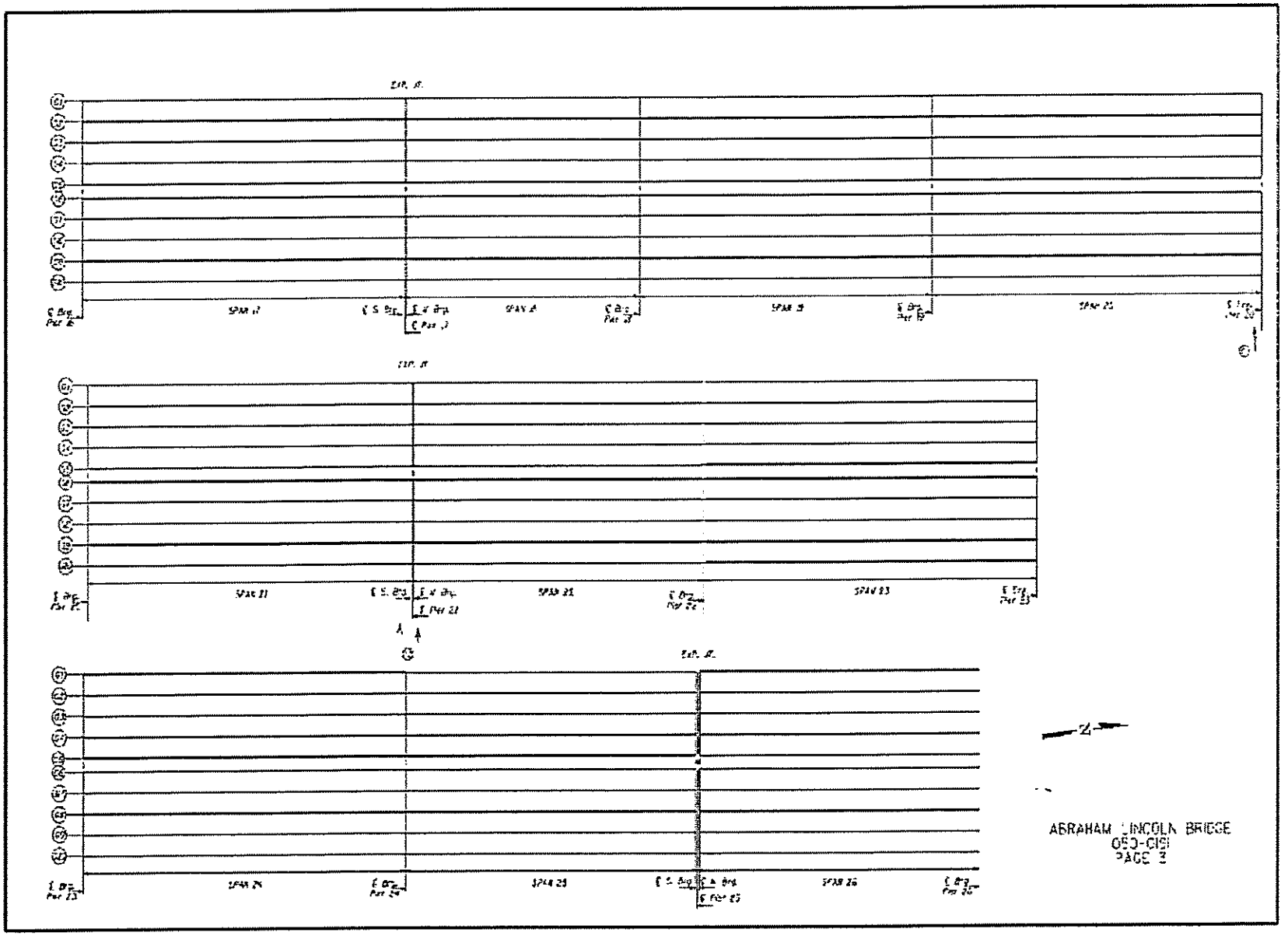
BOT. SEALCOAT
ELEVATION: 407.0

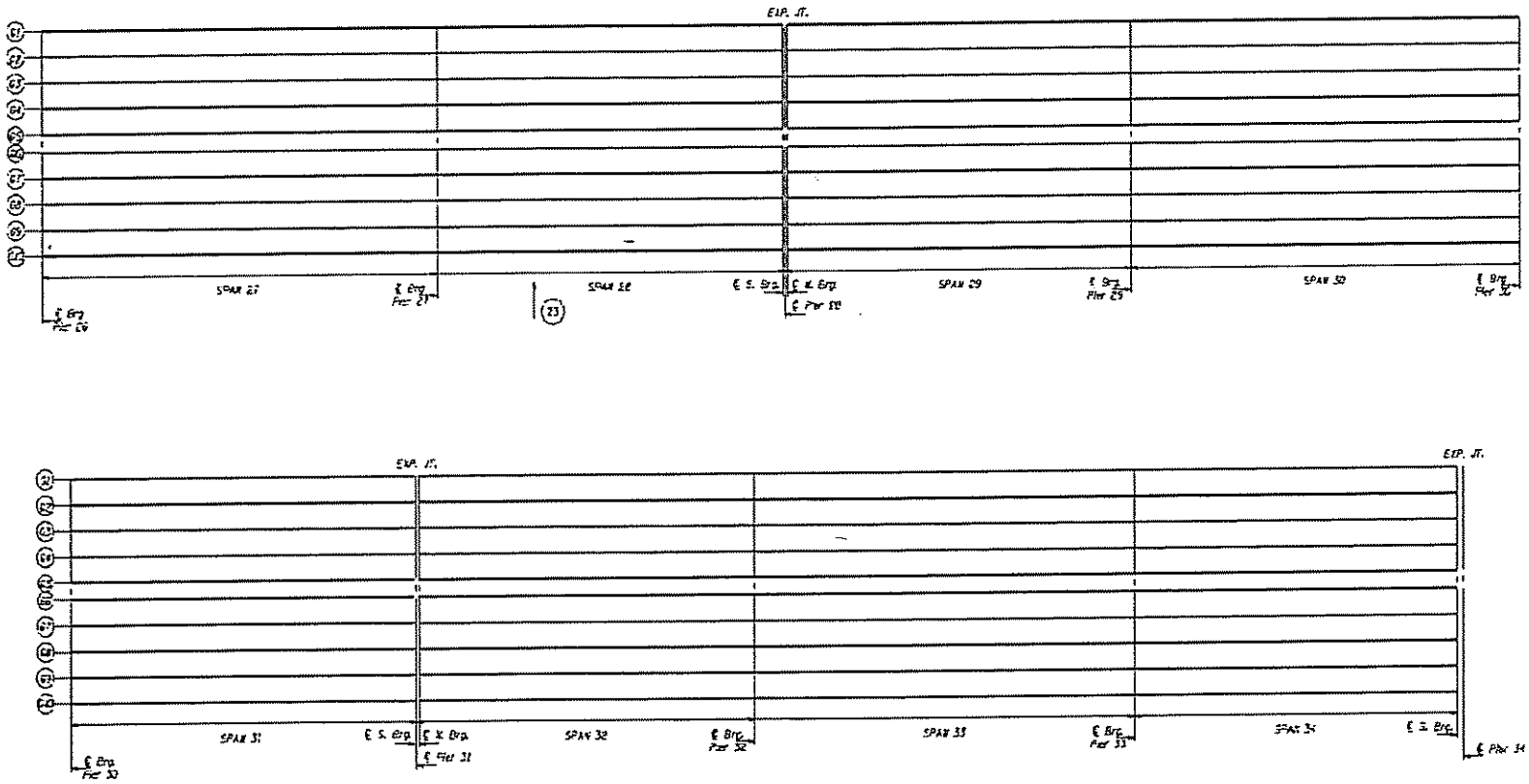


ABRAHAM LINCOLN BRIDGE
C50-019
PAGE 1

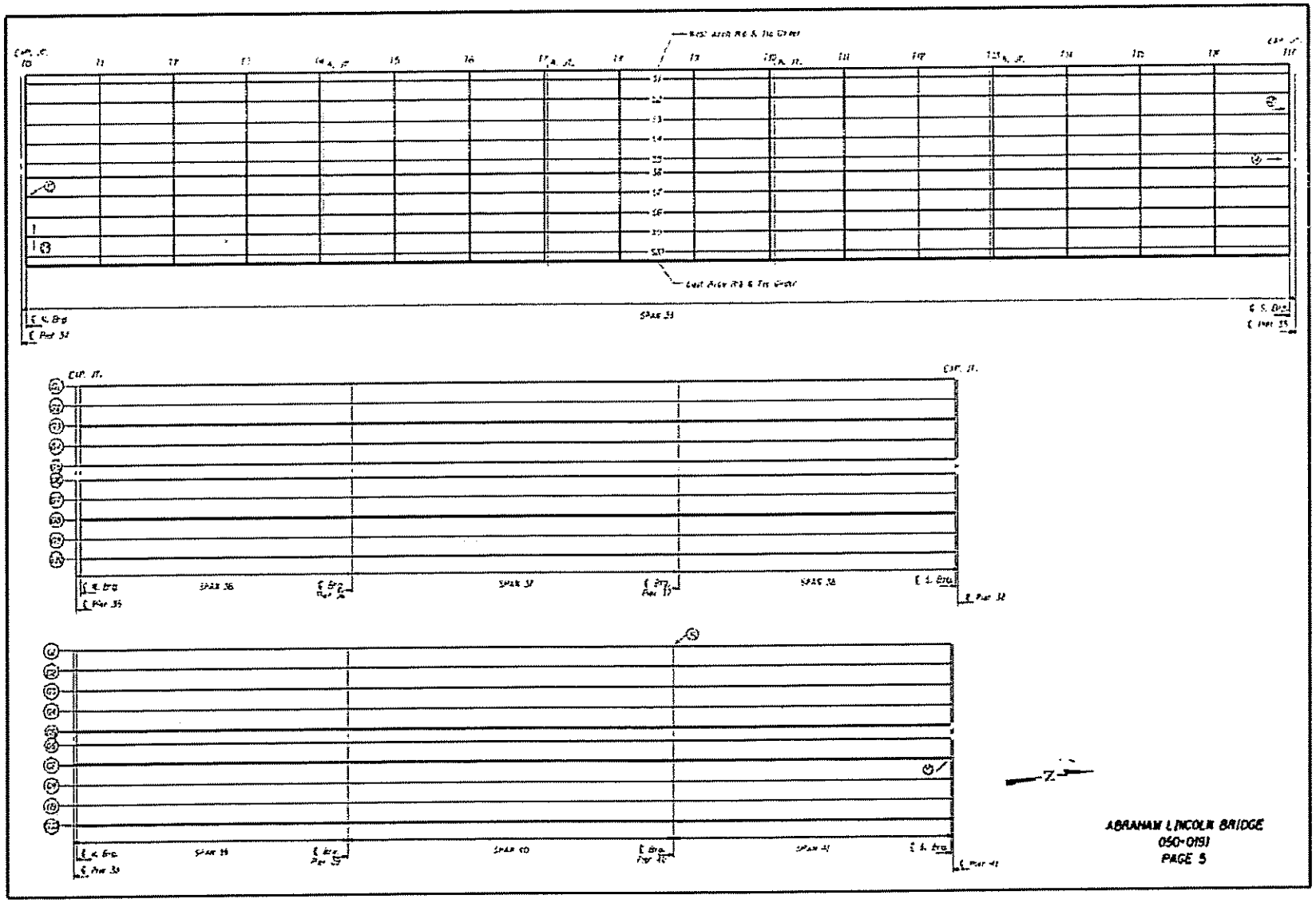


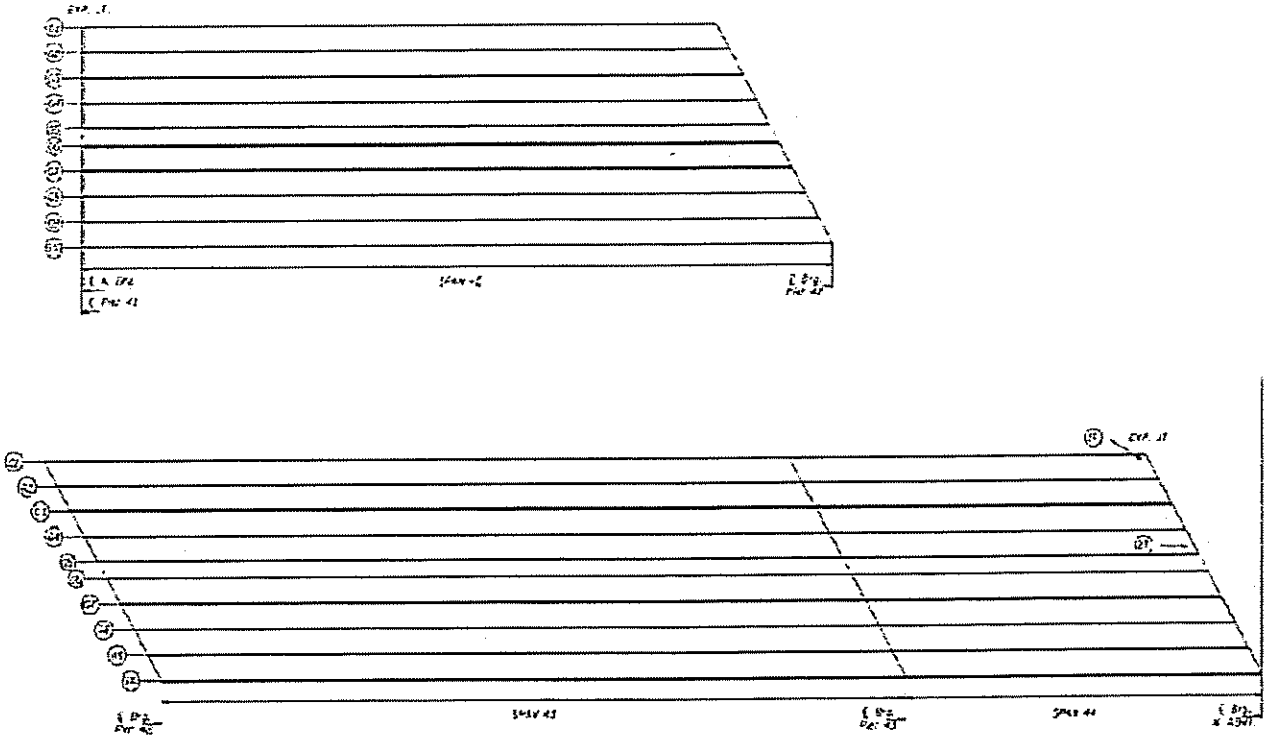
ABRAHAM LINCOLN BRIDGE
050-0191
PAGE 2


ABRAHAM LINCOLN BRIDGE
050-0151
PAGE 3



ABRAHAM LINCOLN BRIDGE
050-0191
PAGE 4


ABRAHAM LINCOLN BRIDGE
050-0151
PAGE 5



ABRAHAM LINCOLN BRIDGE
050-0191
PAGE 6

TABLE OF DEFICIENCIES
SN:050-0191
YEAR:2004

ITEM #	SPAN	MEMBER	LOCATION	PHOTO	DEFICIENCY	RECOMMENDATION BY SPN	YEAR
1	ALL	PAINT	THROUGH OUT	1,2,3,12,13, 14,16,20	CS1= 93% CS3=7%	MONITOR	2002, 2004
2	ALL	CONC. DECK	TYP. THROUGH ALL SP.	4,5,6,7, 21,22	CS3=85% CS5= 15 % W/ TRANS. AND LONG. CRKS.	MONITOR	1998, 2002, 2004
~~3~~	~~ALL~~	~~TROUGH~~	~~AT ALL FINGER JNT.~~	-	~~TORN AND MISSING~~	~~REPAIRED~~	~~2000, 2002~~
4	1	S ABUT. BACKWALL	S E CORNER OF ABUT.	8	LARGE CRK. W/ SPALLING	MONITOR	1998, 2002, 2004
~~5~~	~~3,4~~	~~P3~~	~~N. B. P3, EAST SIDE~~	~~9~~	~~EROSION ONE. SIDE (+/-) 1' FROM NORMAL GRADE~~	~~REPAIRED~~	~~2000, 2002, 2004~~
~~6~~	4	~~BRG. PIN NUT~~	~~P. 4 AT STR. 7~~	-	~~E. NUT LOOSE~~	~~TIGHTEN~~	~~2000, 2002~~
18	**6**	**OVERLAY**	**N BOUND DRIVING LANE 30' N OF P 5**	**23**	**2' X 2' & 1' X 1' SPALLS**	**REPAIR**	**2004**
~~7~~	~~10~~	~~BRG.~~	~~P. 10~~	-	~~MISSING ANCHOR BOLTS ON S. B. SIDE~~	~~REPAIR~~	~~2000, 2002~~
19	**10**	**BRG.**	**@ P 10, GIR. 1**	**24**	**MISSING ANCHOR BOLT**	**REPAIR**	**2004**
20	**10,11**	**JNT.**	**@ P 10 BTWN. GIR. 1 & GIR. 2**	**25**	**TROUGH BRKT. MISSING BOLTS & FELL DOWN**	**REPAIR**	**2004**
~~8~~	~~15~~	~~DECK~~	~~BTWN. GIR 1 AND GIR 2 MIDSPAN~~	~~10~~	~~3' X 3' SPALLING~~	~~REPAIRED~~	~~2000, 2002, 2004~~
~~9~~	~~16~~	~~TREE~~	~~BTWN. P15 & P16 EAST SIDE~~	~~11~~	~~TREE RUBBING BRIDGE~~	~~REPAIRED~~	~~2002, 2004~~
~~10~~	~~16~~	~~P 16 (S)~~	~~W. SIDE OF P.~~	-	~~EROSION CAUSING LARGE HOLE~~	~~RIP RAP~~	~~1998, 2002~~

TABLE OF DEFICIENCIES
SN:050-0191
YEAR:2004

21	20,21	@ P 20	N BOUND LANES SE & NE CORNER	26	1' X 3' & 1' X 1' SPALLS	MONITOR	2004
22	21,22	P 21	E FACE OF P 21	27,28	6' X 35' SPALL WITH EXP. REBAR. SPALLED UP TO 3" BELOW TOP LAYER OF REBAR	MONITOR	2004
23	28	LIGHT POLE BASE	20' N OF P 27	29	1' X 2' SPALL WITH EXP. REBAR IN BASE	MONITOR	2004
24	**34,35**	**JNT.**	**@ P 34 N BOUND**	**30**	**10' SECTION LOOSE @ CENTERLINE**	~~REPAIR~~ REPLACED	**2004**
11	35	P34	T.OF CRASH WALL	15	MAP CRK. ON T. SURFACE OF CRASH WALL	MONITOR	1998, 2002, 2004
12	**35**	**PIN AND LINK LIVE LOAD SUPPORT**	**P35 (W) FB17**	**17**	**1 MISSING PL. 11 OF 16 WELDS CRACKED**	**REPAIR**	**2002, 2004**
~~13~~	~~35~~	~~PIN AND LINK BEARING~~	~~P35 (E) FB17~~	~~18~~	~~1 MISSING PL. 6 OF 16 WELDS CRACKED~~	~~REPAIRED~~	~~2002, 2004~~
14	35	P35	T. OF CRASH WALL	31	MAP CRK. ON T. AND SIDE SURFACE OF CRASH WALL	MONITOR	1998, 2002, 2004
15	41	P40 S.B.	W END OF P CAP	19	3' X 2' SPALLING AT P. CAP	MONITOR	2000, 2002
25	**41,42**	**TROUGH**	**@ P 41 N BOUND LANES**	**32**	**TROUGH BRKT. MISSING BOLTS & FELL DOWN**	**REPAIR**	**2004**
26	44	N ABUT.	N W CORNER OF BACKWALL	33	2' X 2' SPALL	MONITOR	2004
27	44	N APPR.	S BOUND LANES	34	1" SETTLEMENT	MONITOR	2004
16	**ALL**	**JOINTS**	**THROUGHOUT**	**-**	**RUBBER CURTAIN OUT OF TROUGH**	**PLACE STRIP OF METAL ON BOTTOM OF CURTAIN**	**2000, 2002**
17	**ALL**	**DRAINS**	**ALL DRAINS**	**3**	**NOT EXTENDED PAST STEEL**	**EXTEND DRAINS**	**2002**

S.N.050-0191

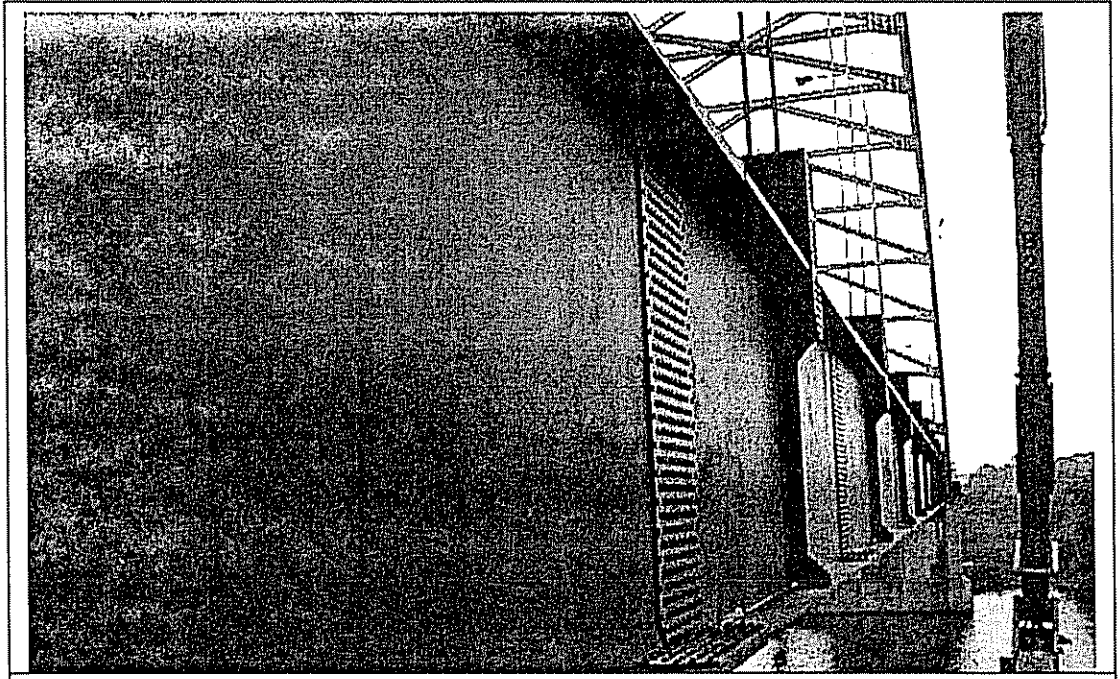


PHOTO 1 SPAN 35 E. LOOKING N BTWN. T-0 & T-1

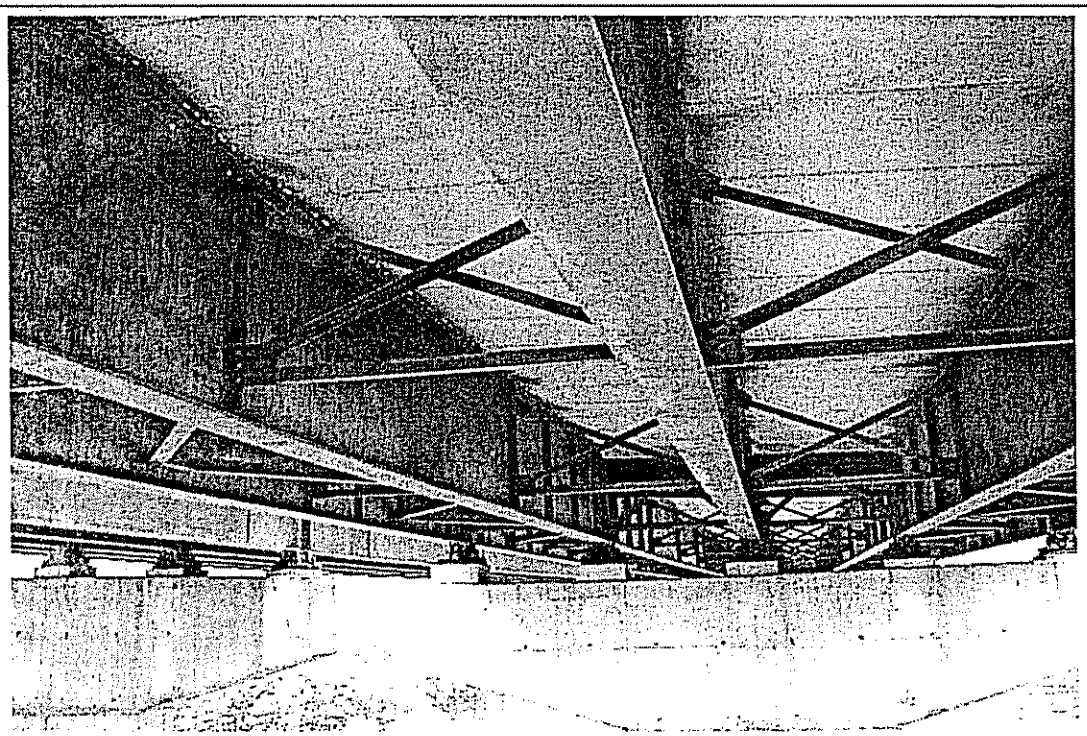


PHOTO 2 SPAN 6E LOOKING N BAY 7

S.N.050-0191

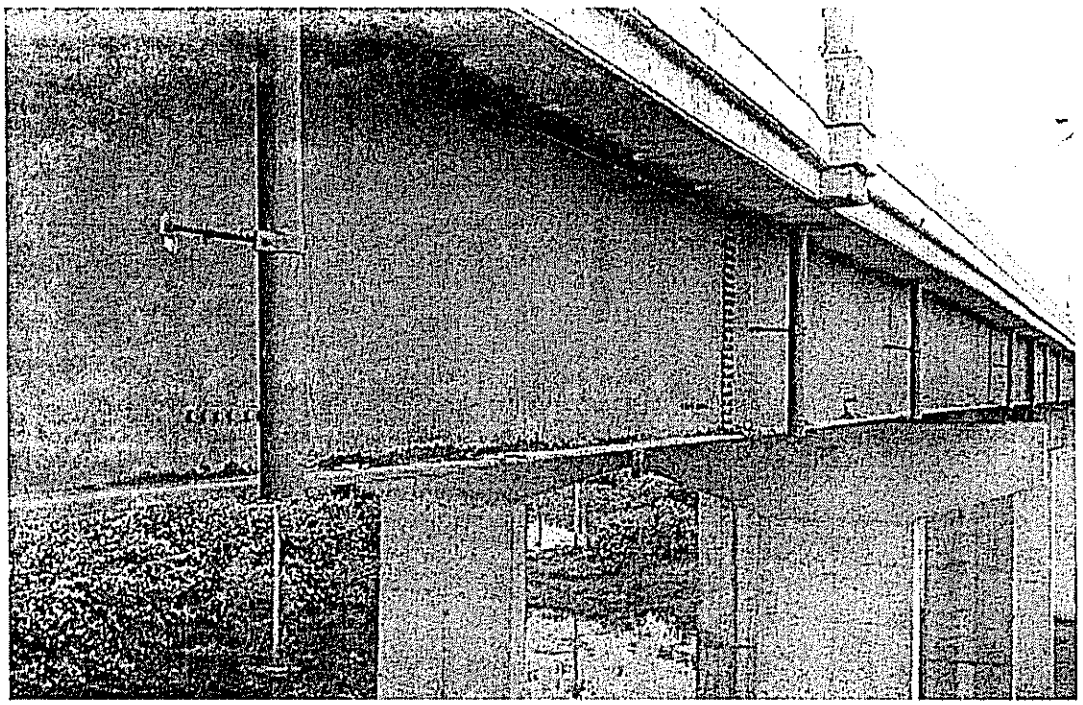


PHOTO 3 SPAN 9E LOOKING N

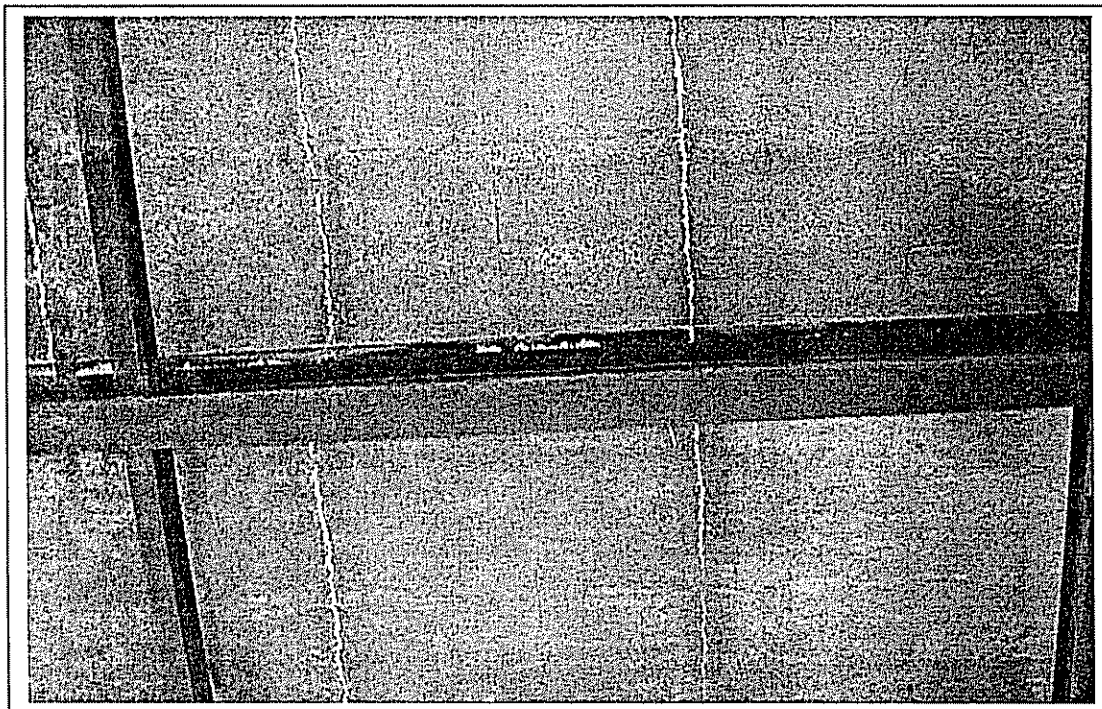


PHOTO 4 SPAN 35E LOOKING N

S.N.050-0191

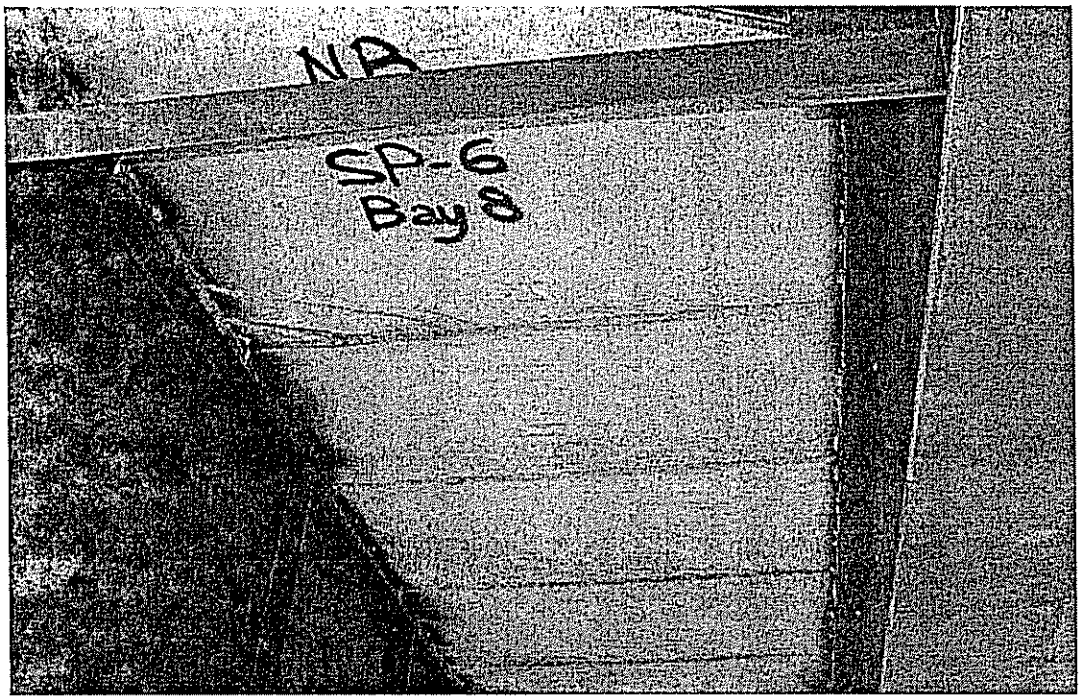


PHOTO 5 SPAN 6E LOOKING S BAY 8

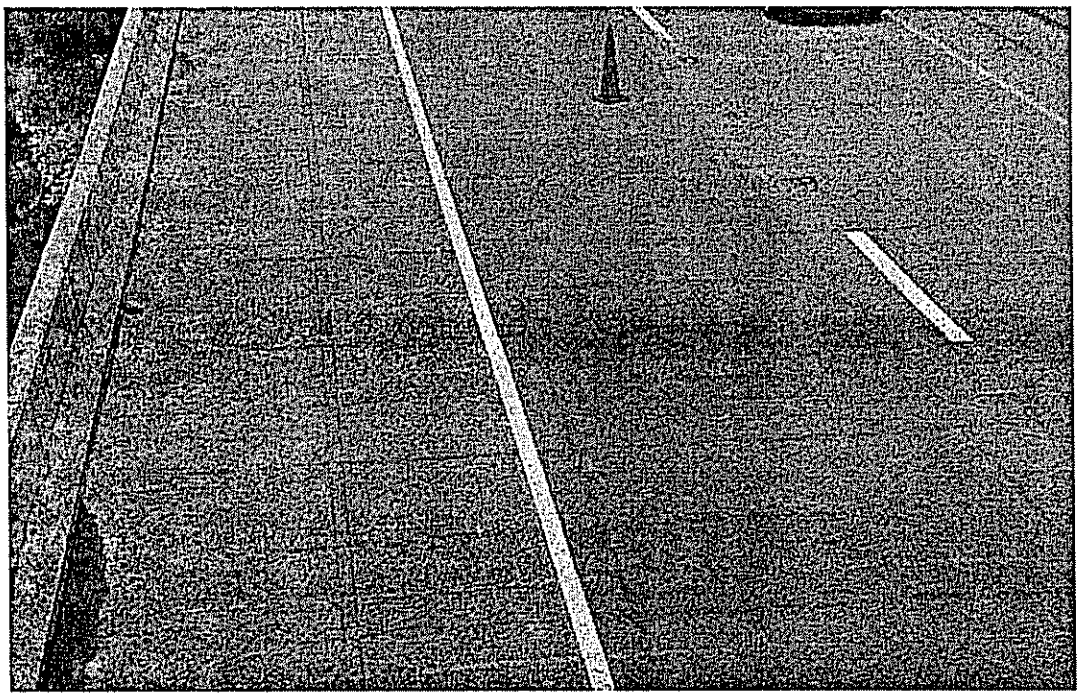


PHOTO 6 SPAN 13E LOOKING S

S.N.050-0191

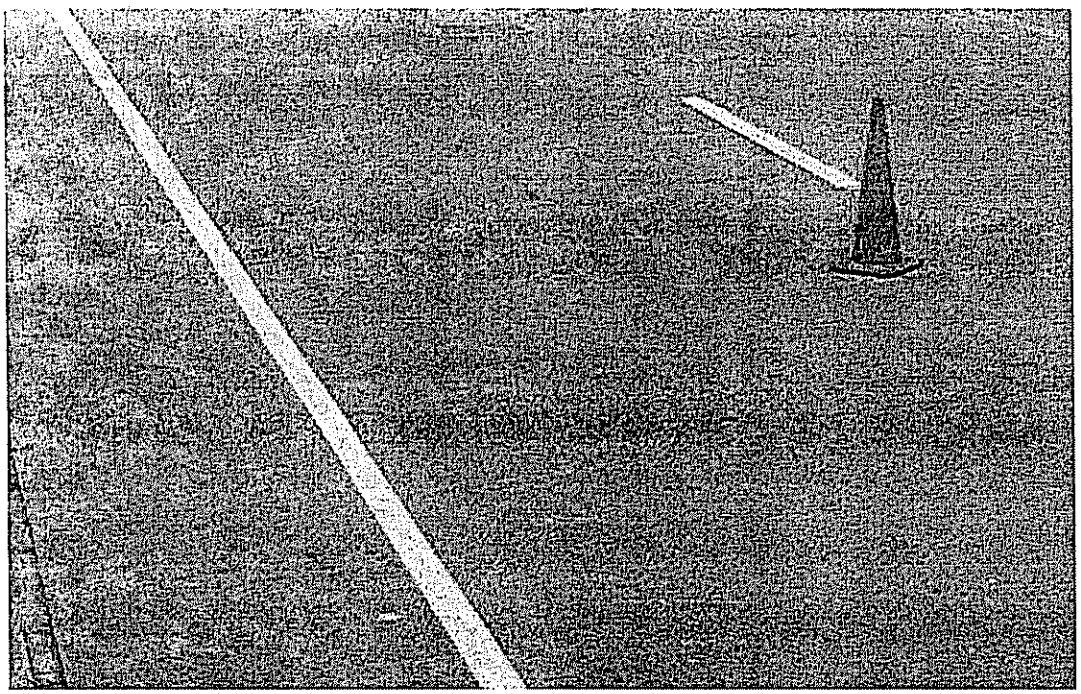


PHOTO 7 SPAN 6E LOOKING S

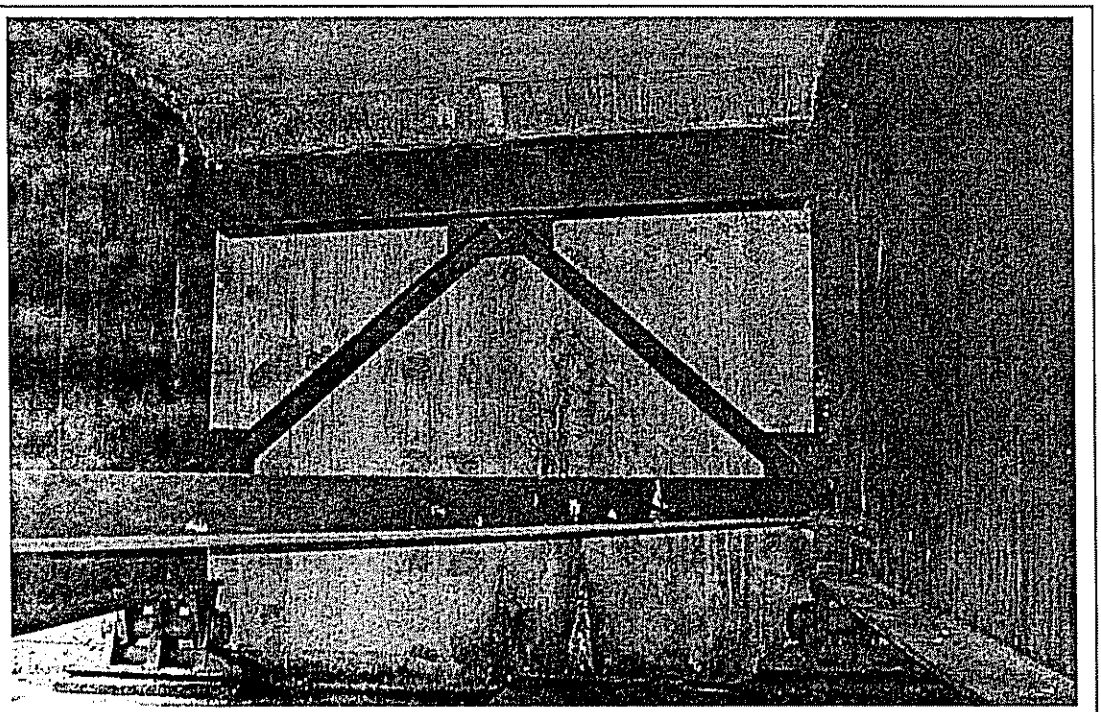


PHOTO 8

S.N.050-0191

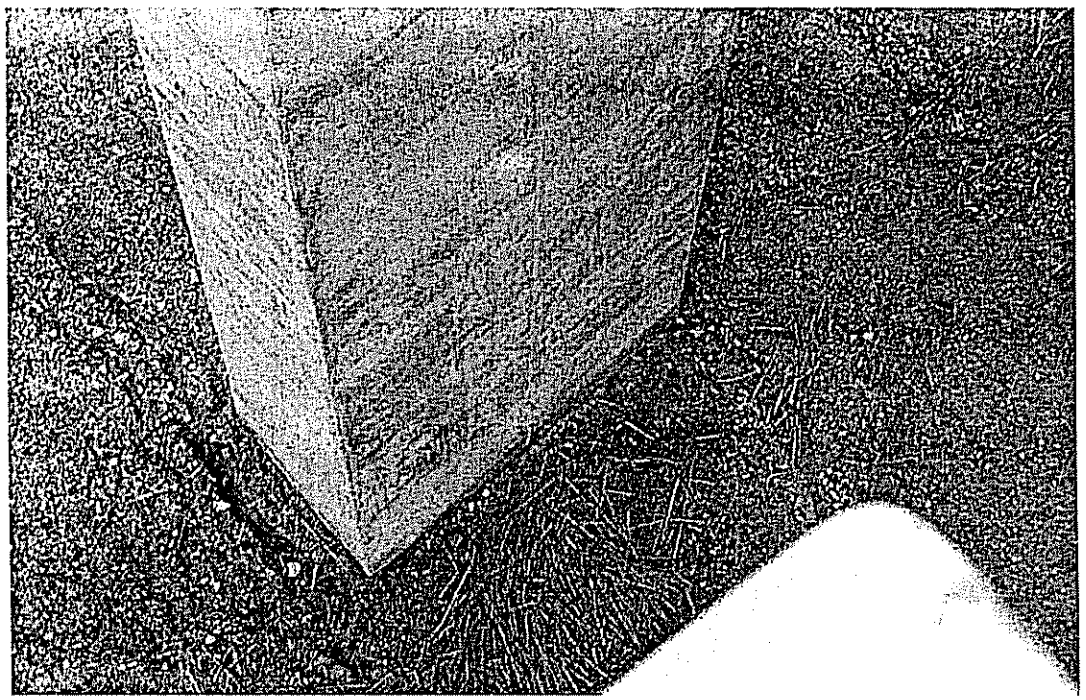


PHOTO 9

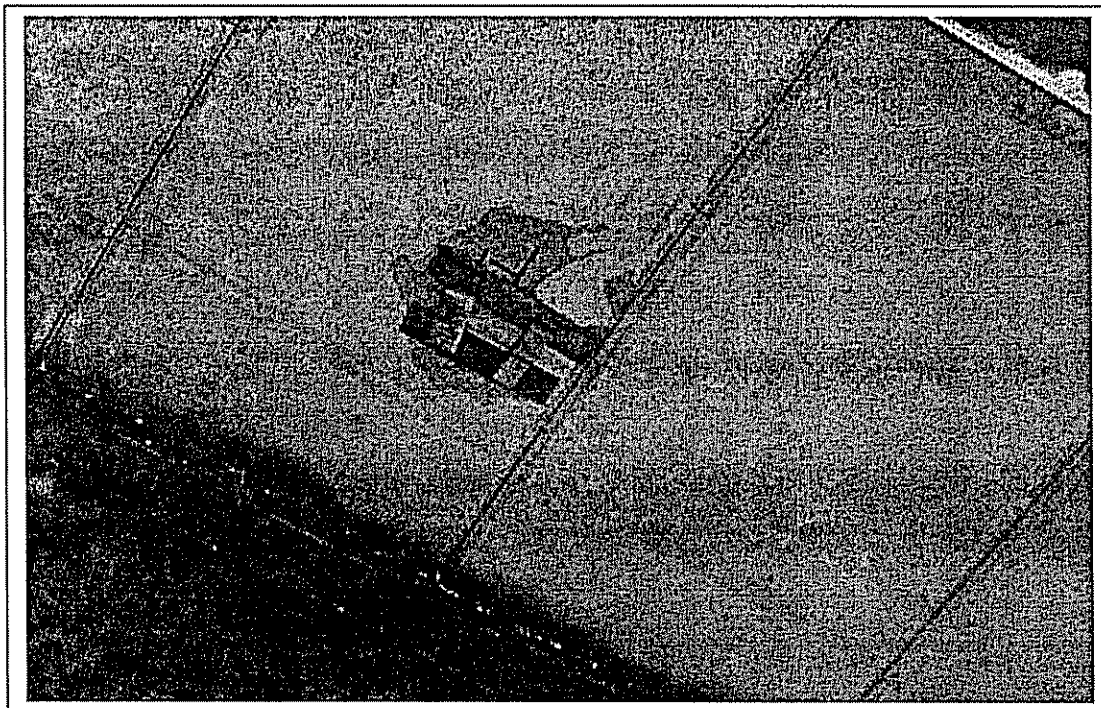


PHOTO 10 REPAIRED

S.N.050-0191

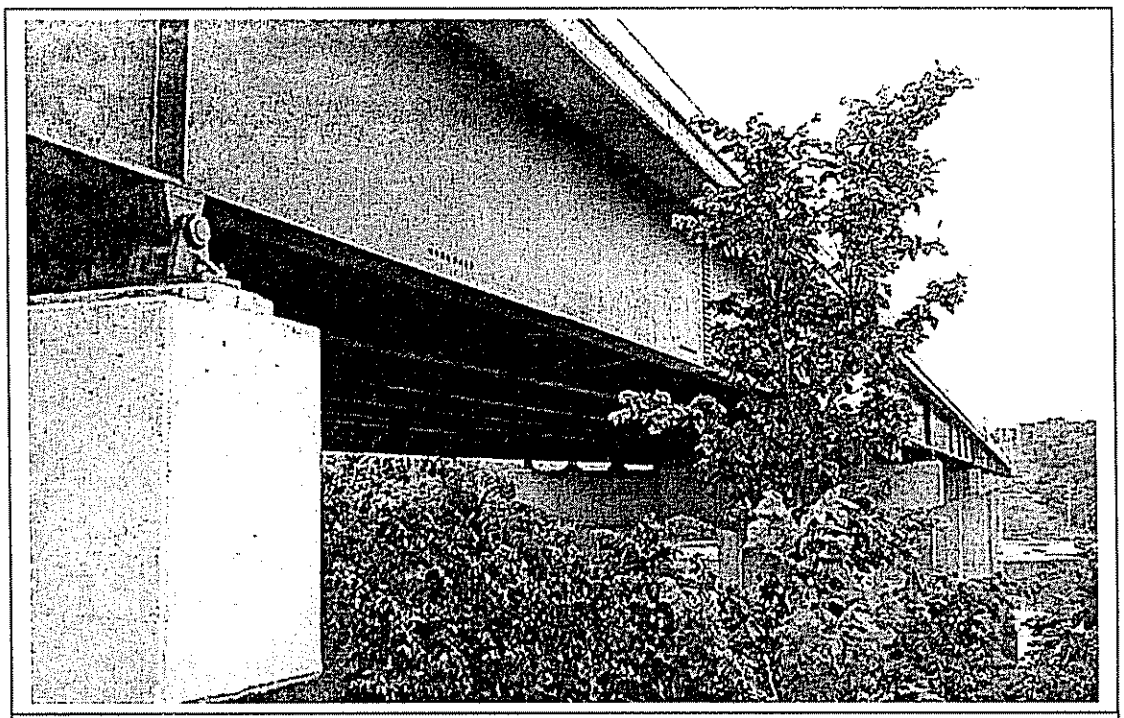


PHOTO 11 REPAIRED

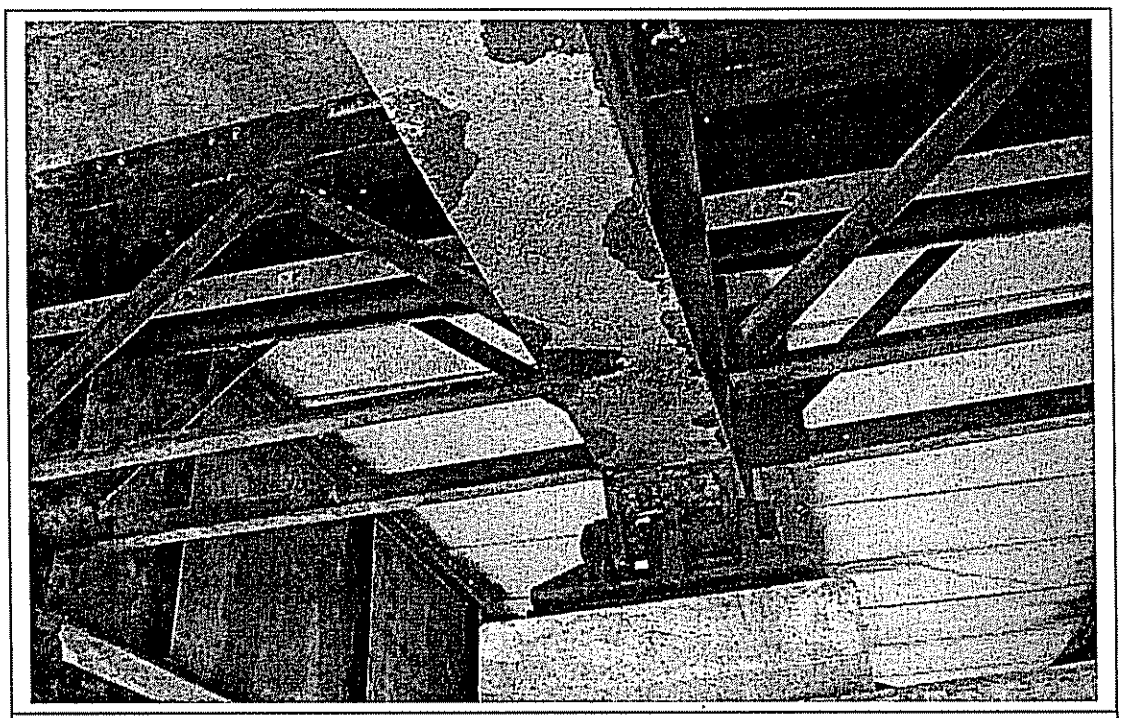


PHOTO 12 SP 6 @ P6 LOOKING E @ GIR. 7

S.N.050-0191

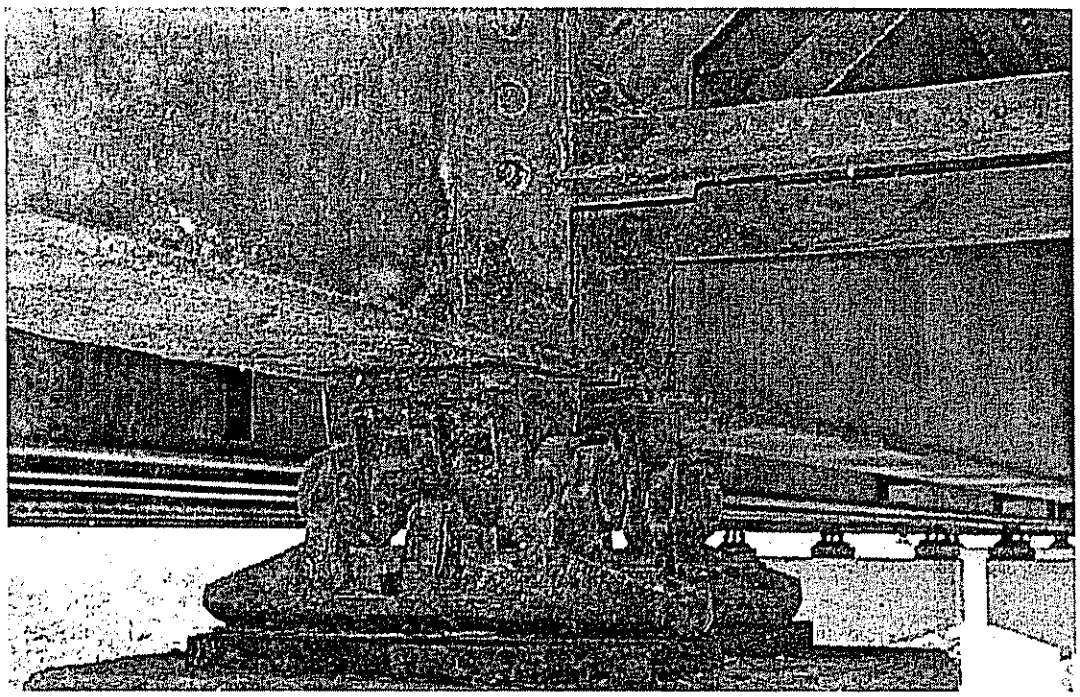


PHOTO 13 SP 17 @ P17 LOOKING E @ GIR. 8

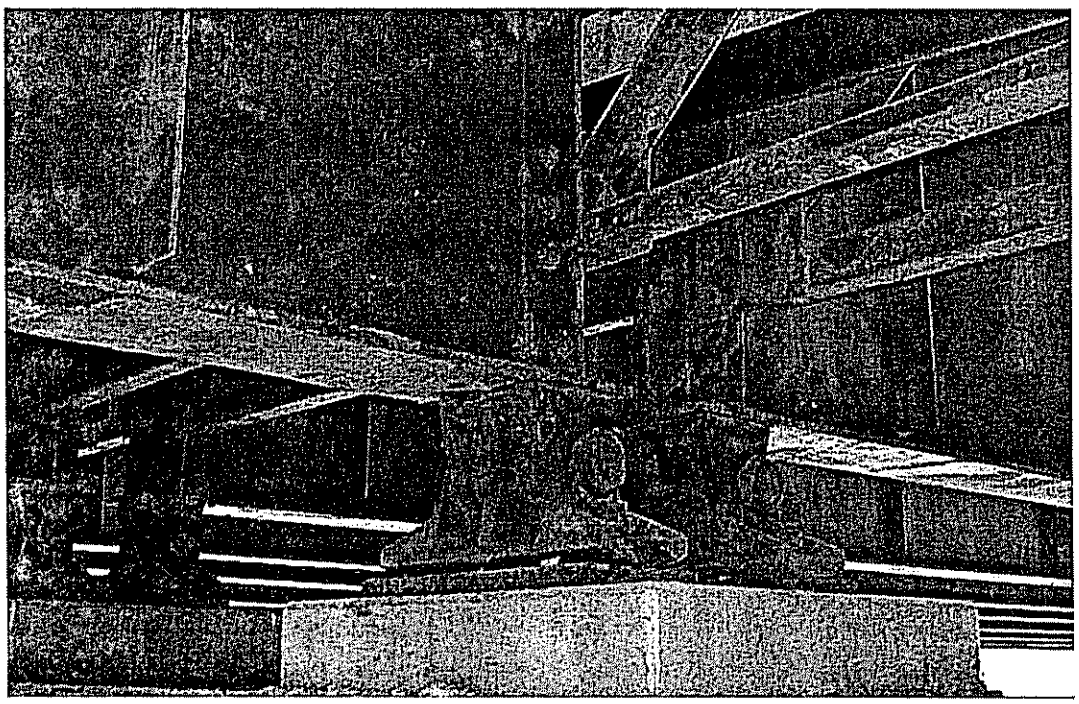


PHOTO 14 SP 22 @ P21 LOOKING W @ GIR. 3

S.N.050-0191

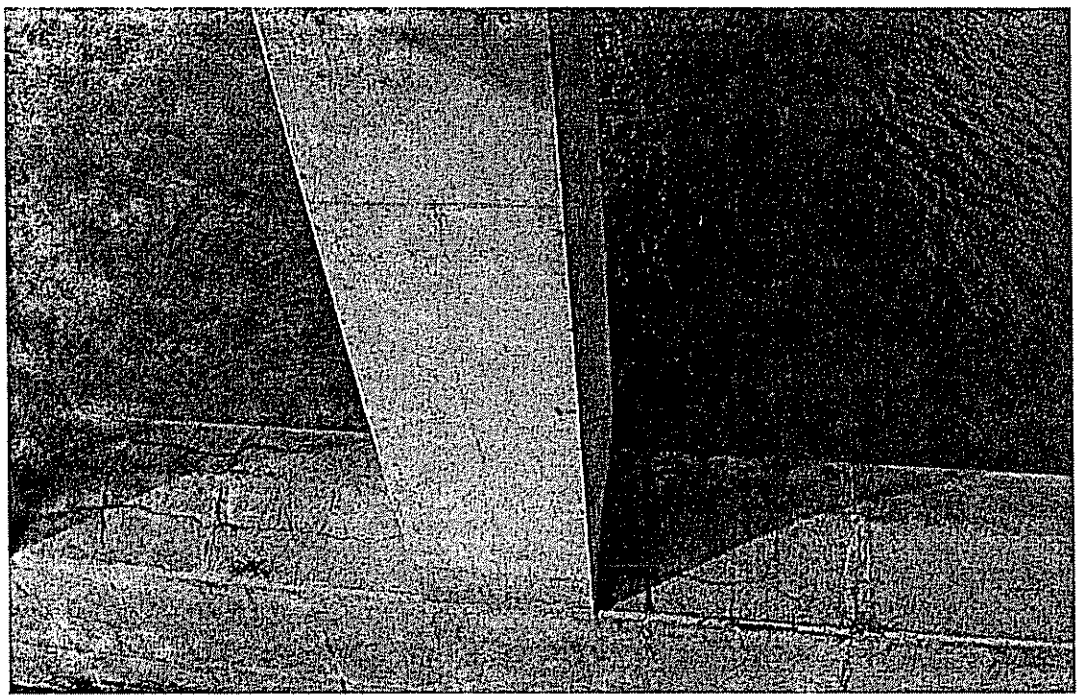


PHOTO 15

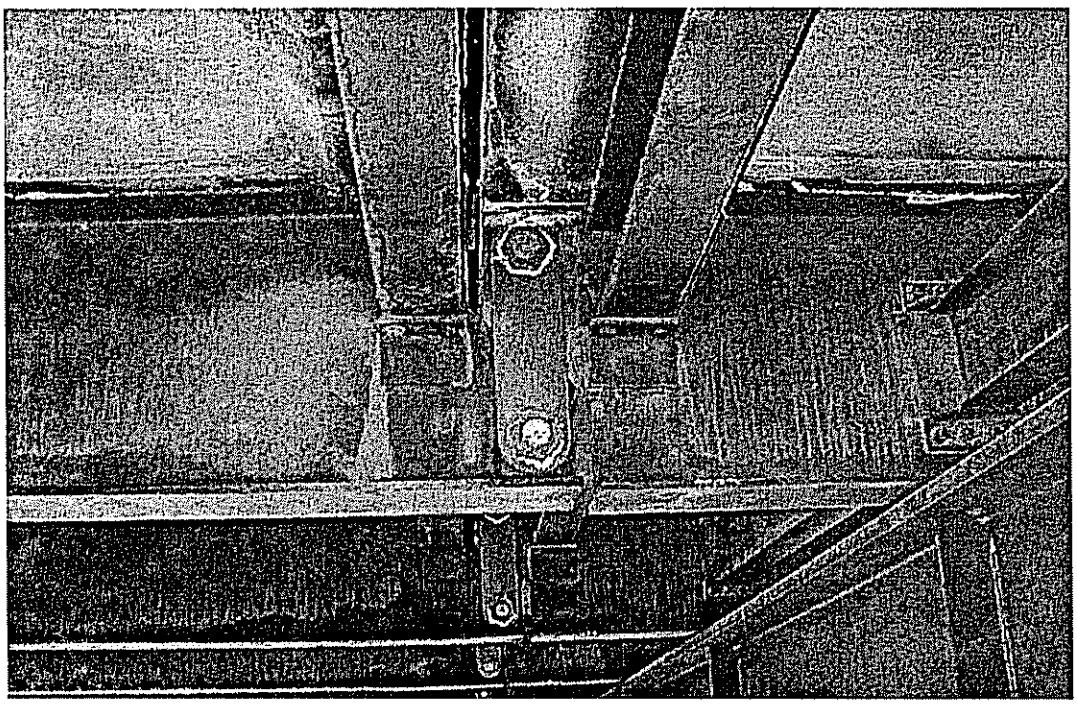


PHOTO 16 SP. 35 @ T-13

S.N.050-0191

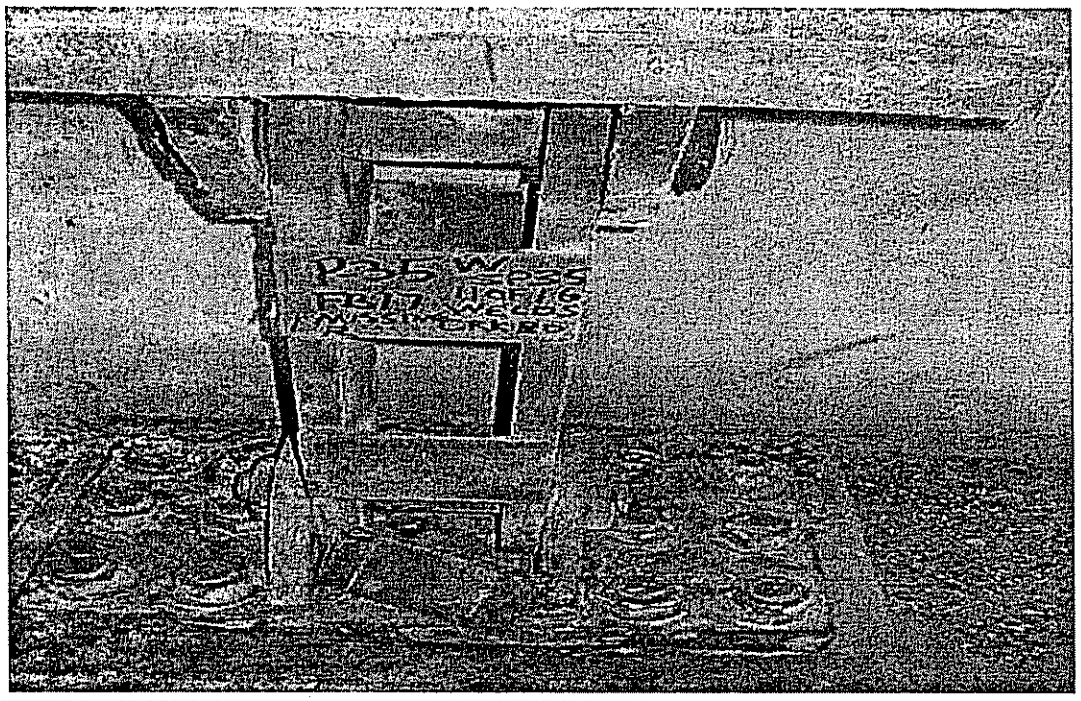


PHOTO 17

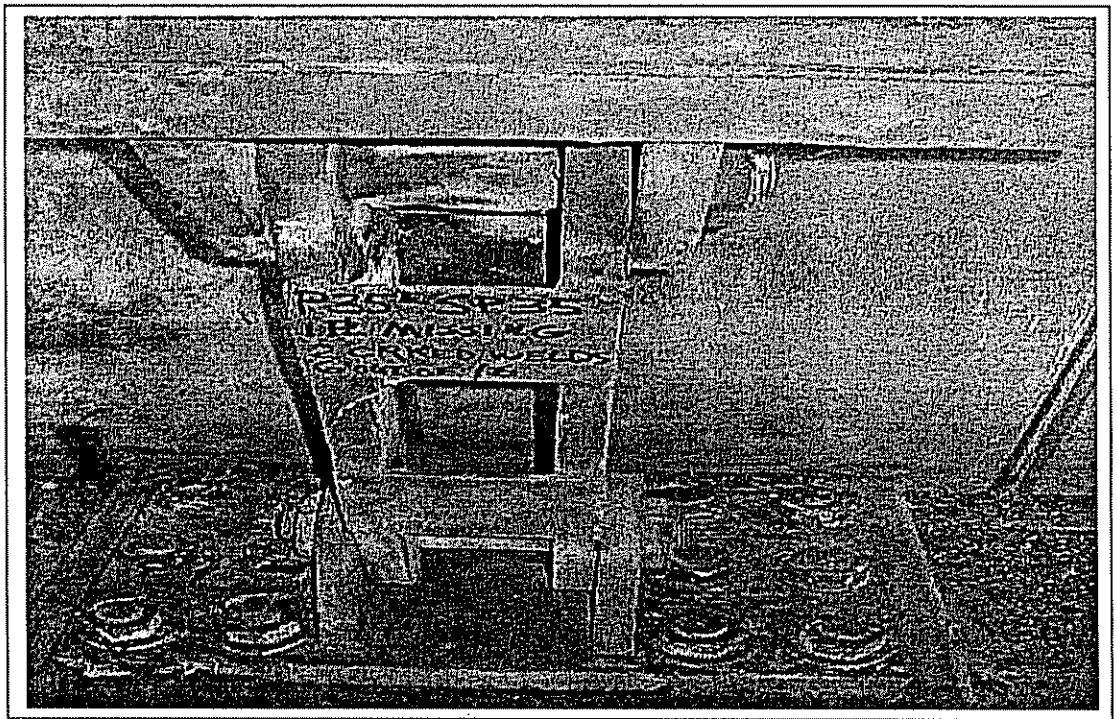


PHOTO 18 REPAIRED

S.N.050-0191

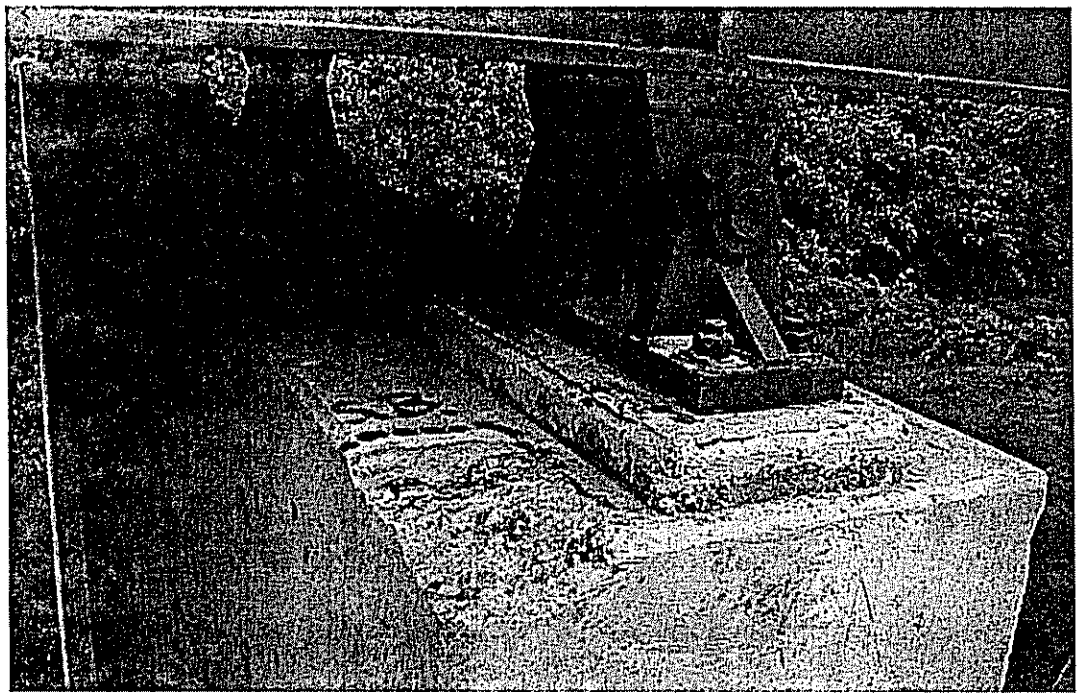


PHOTO 19

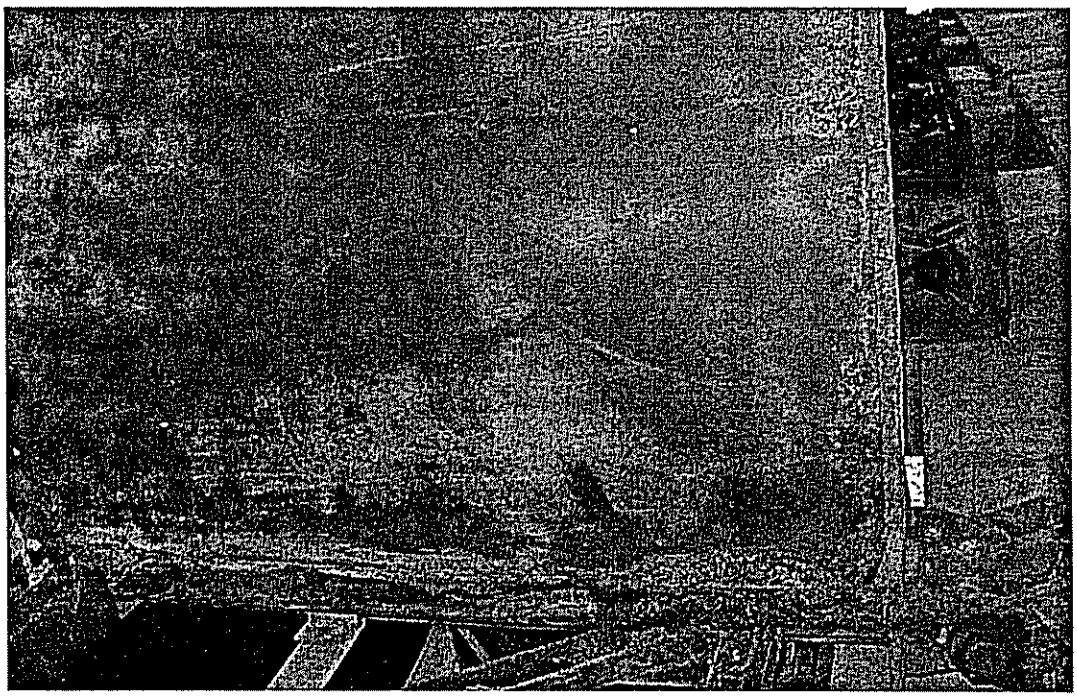


PHOTO 20 @ P 41 E

S.N.050-0191

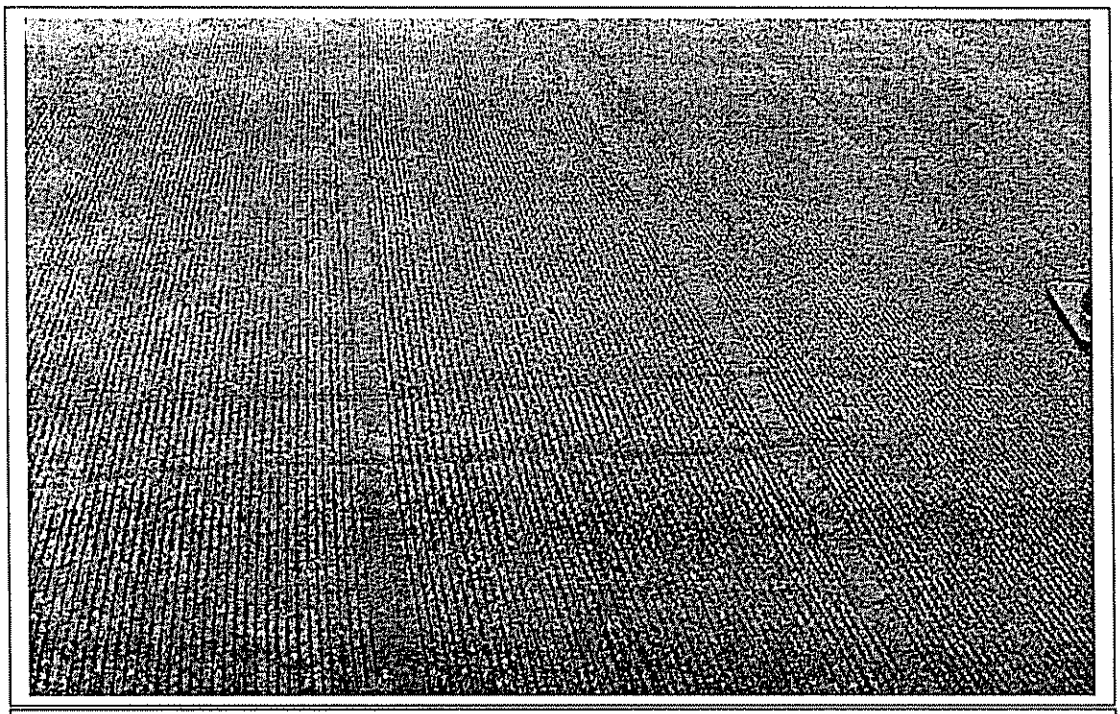


PHOTO 21 SPAN 44 S BOUND LANE LOOKING EAST

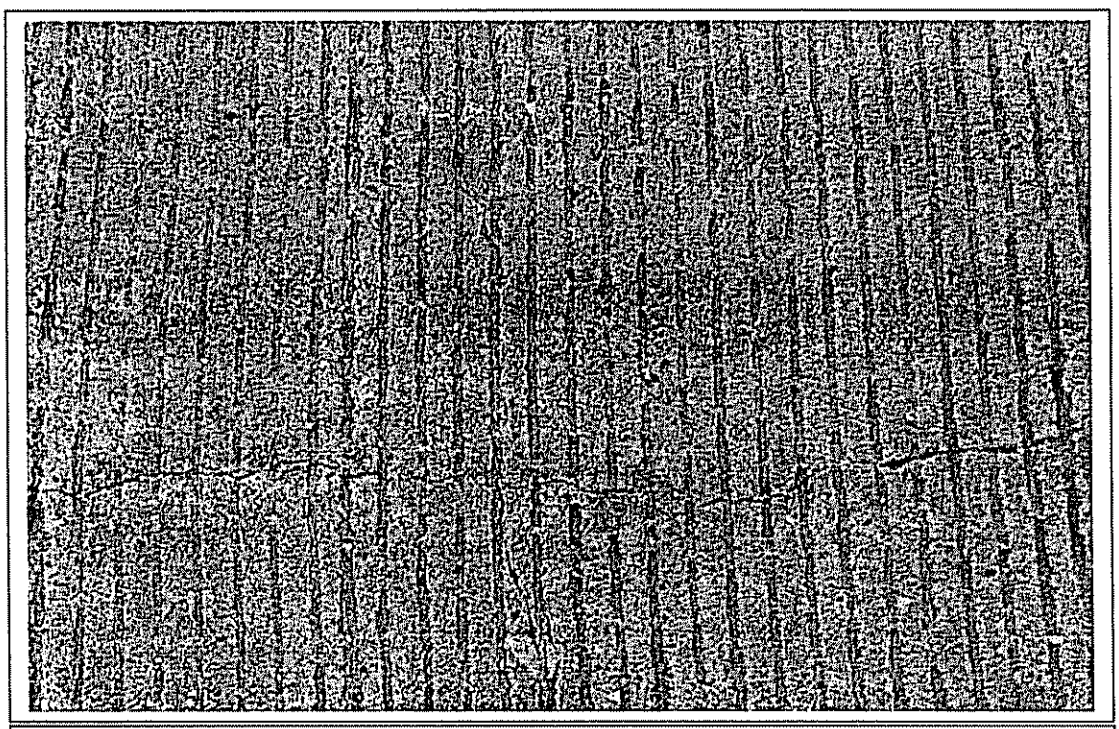


PHOTO 22 SPAN 5 N BOUND LANE LOOKING WEST

S.N.050-0191

PHOTO 23

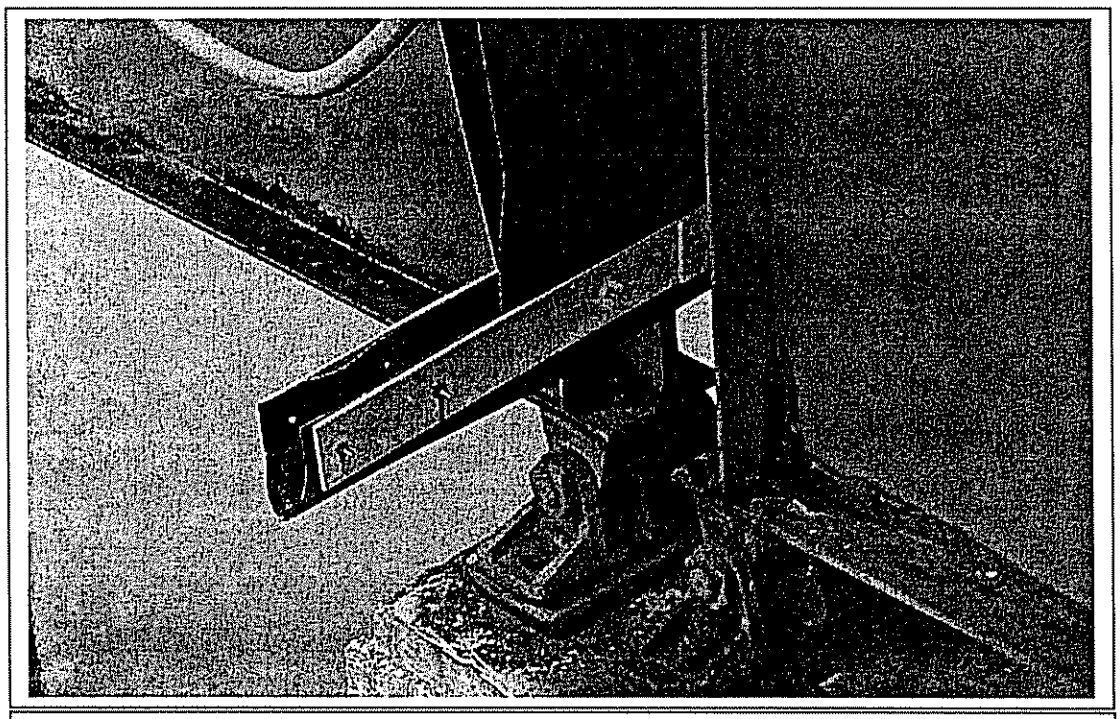


PHOTO 24

S.N.050-0191

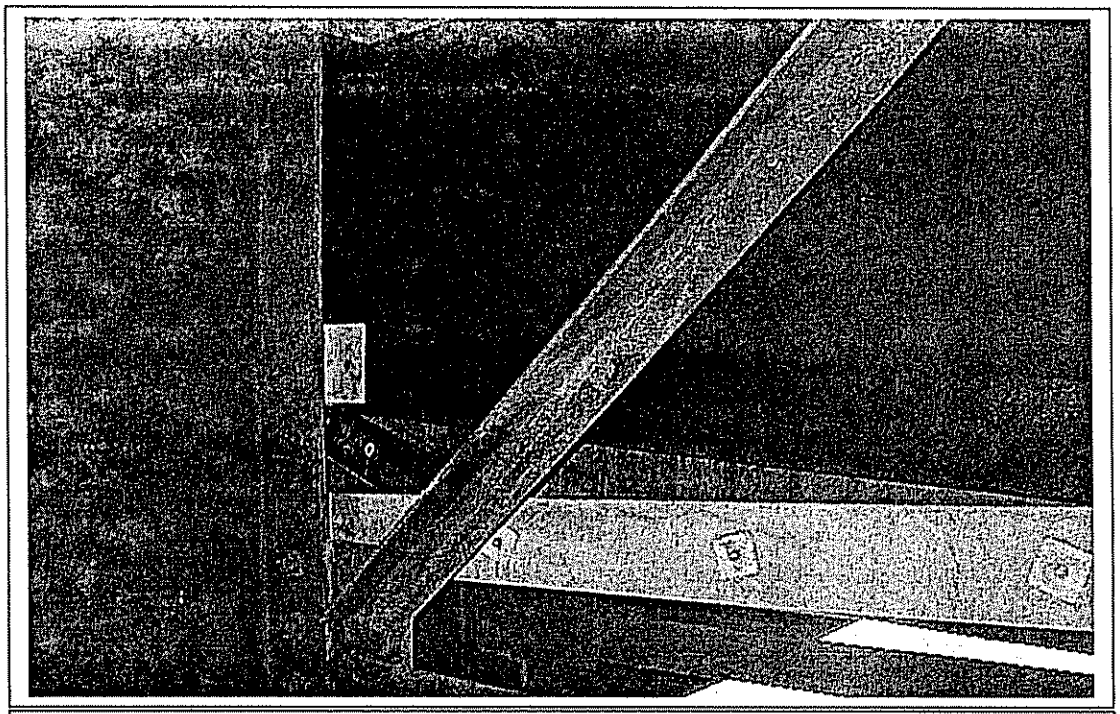


PHOTO 25

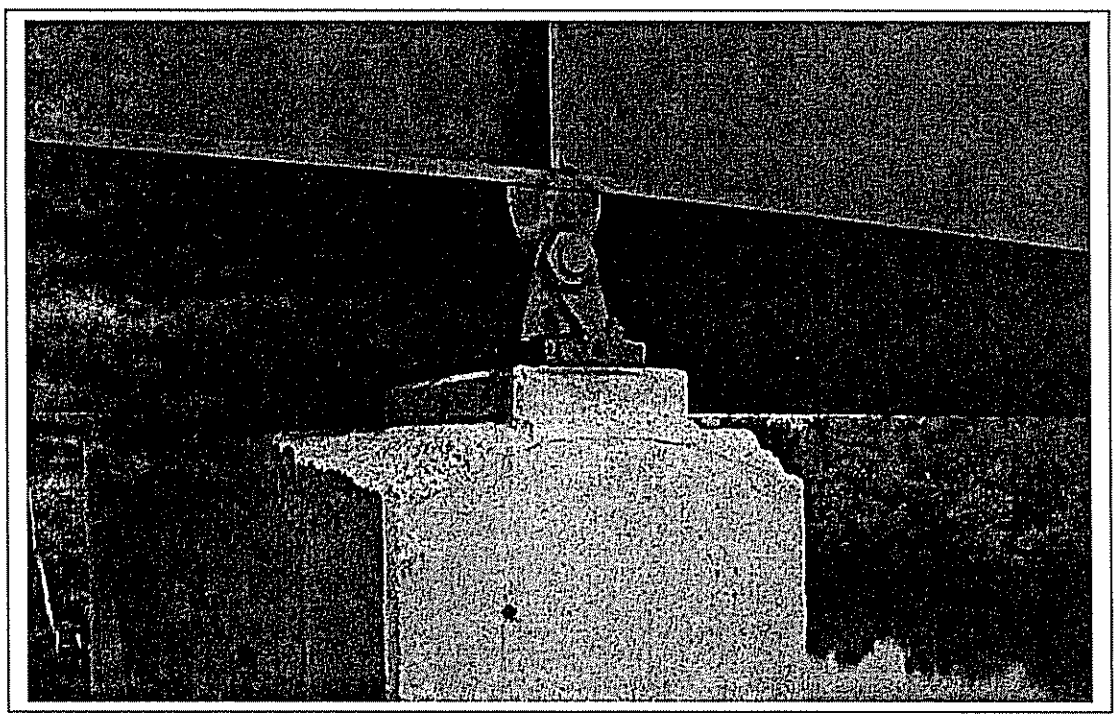


PHOTO 26

S.N.050-0191

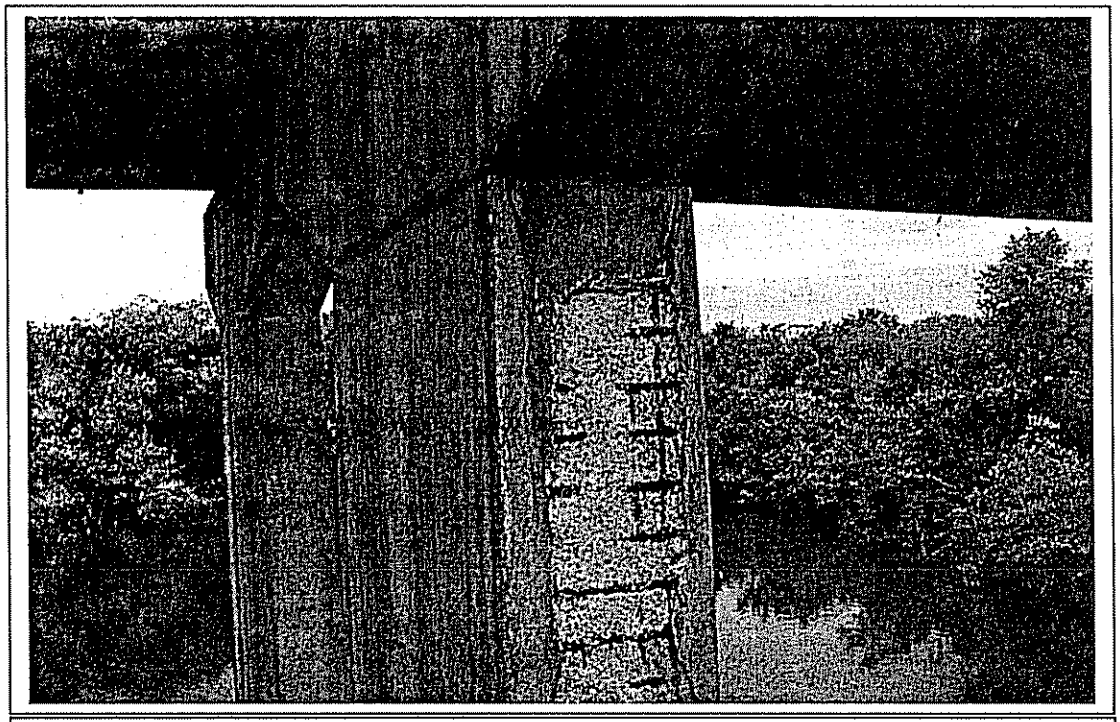


PHOTO 27

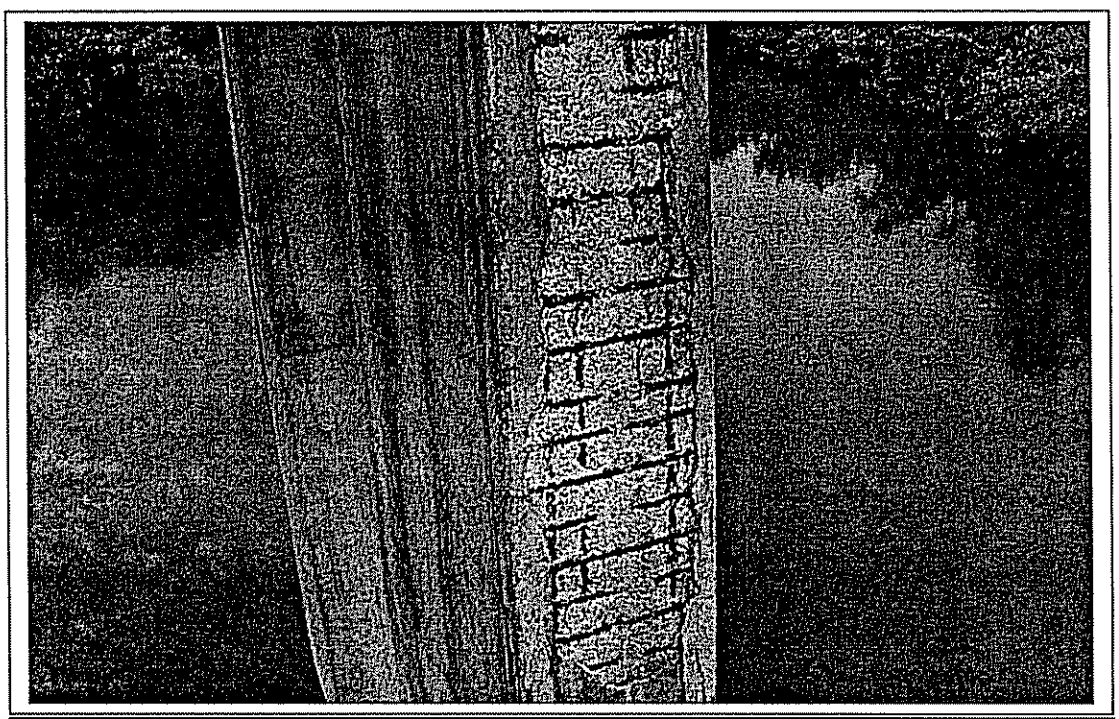


PHOTO 28

S.N.050-0191

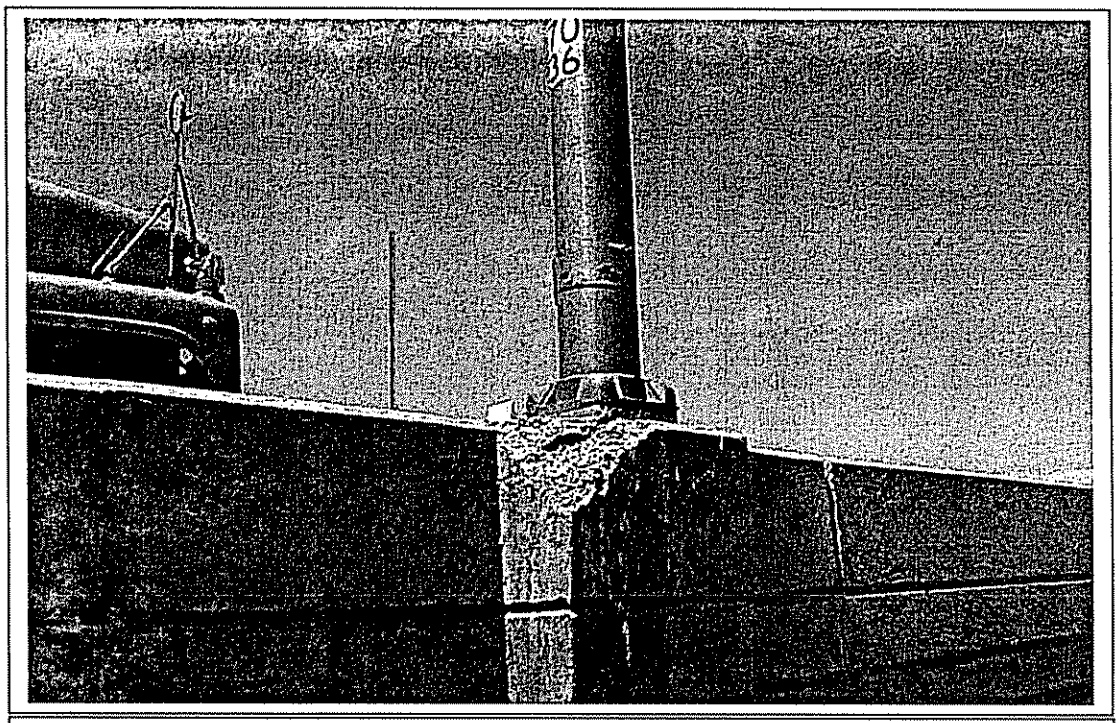


PHOTO 29

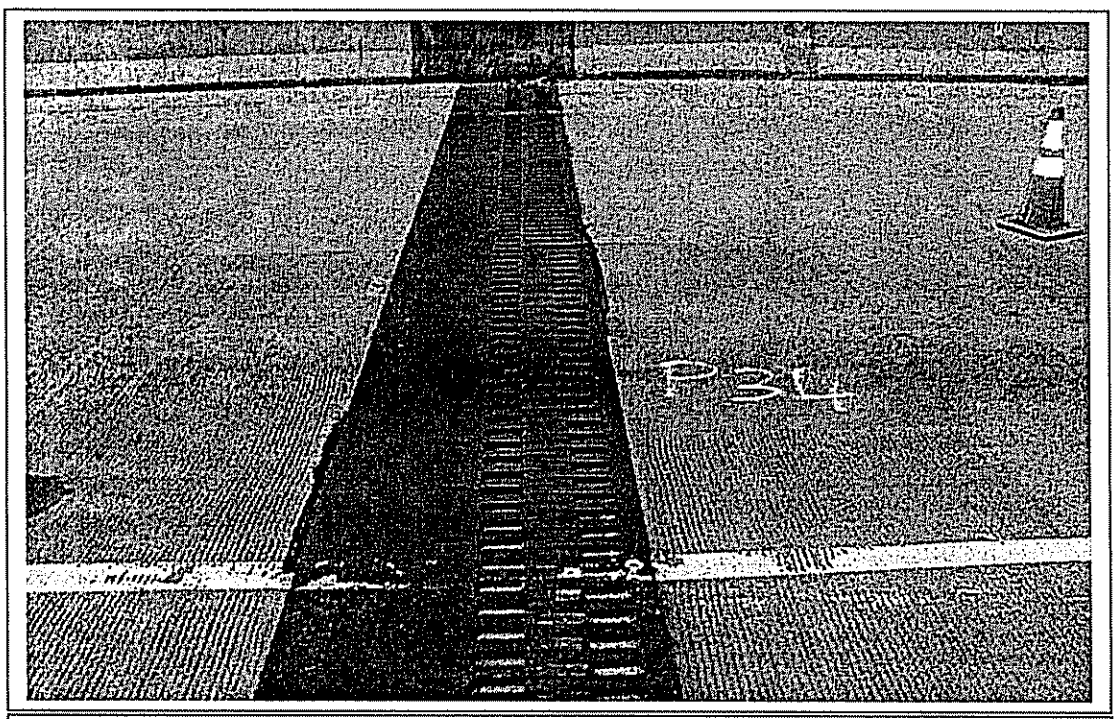


PHOTO 30

S.N.050-0191

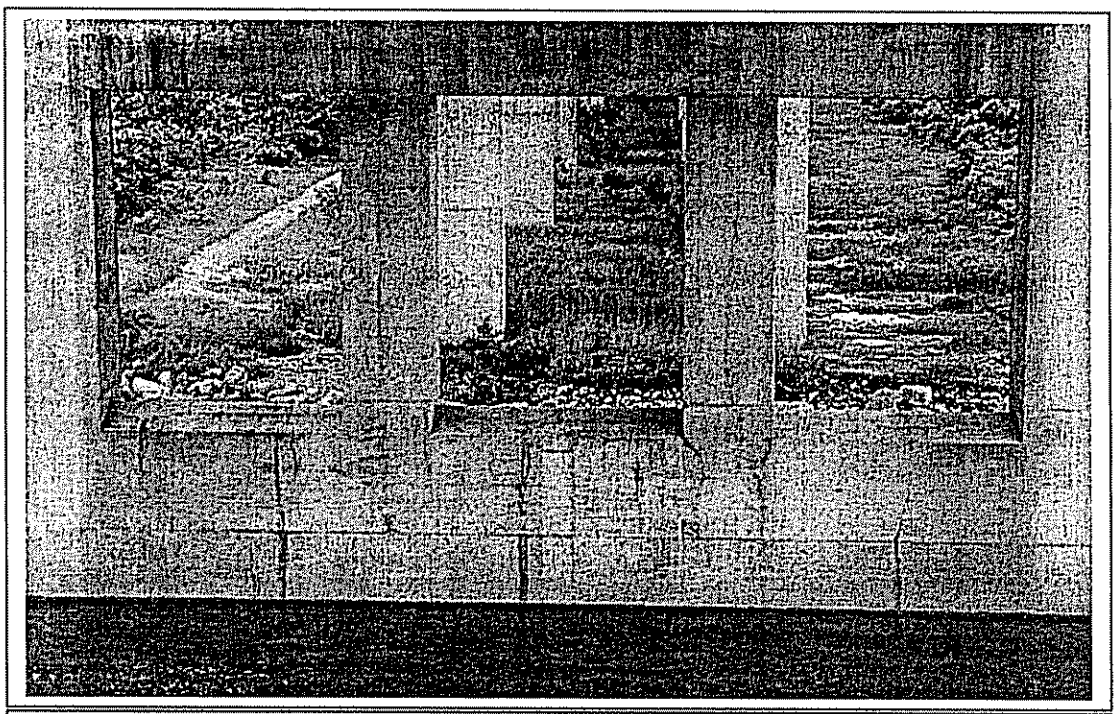


PHOTO 31

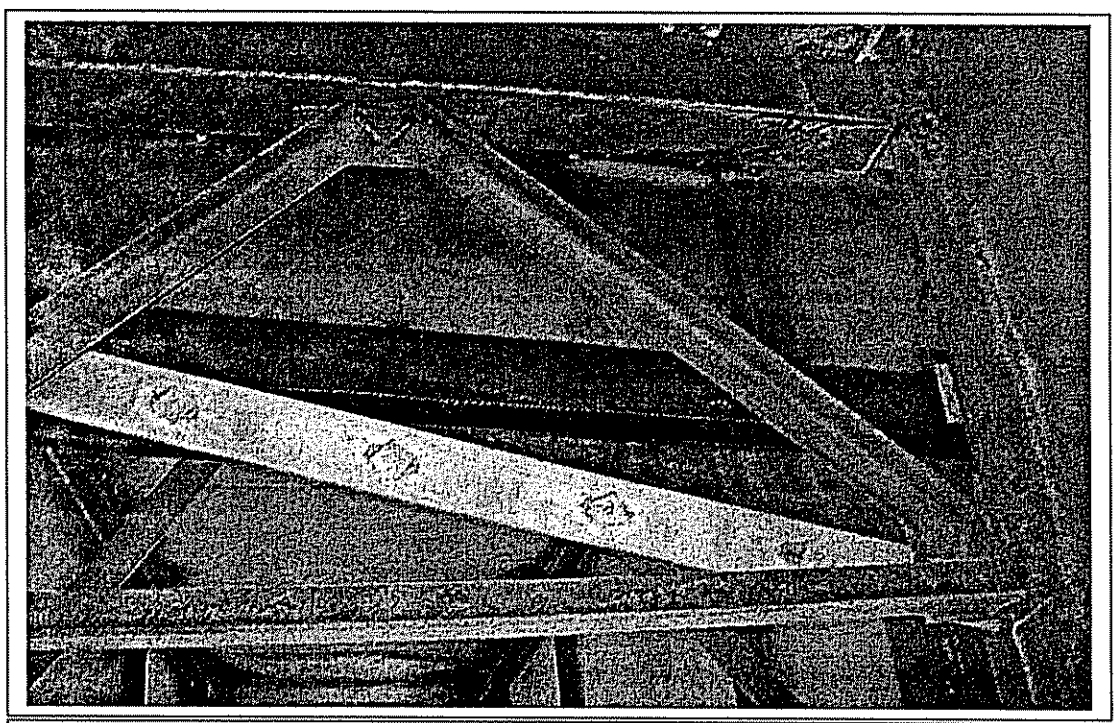


PHOTO 32

S.N.050-0191

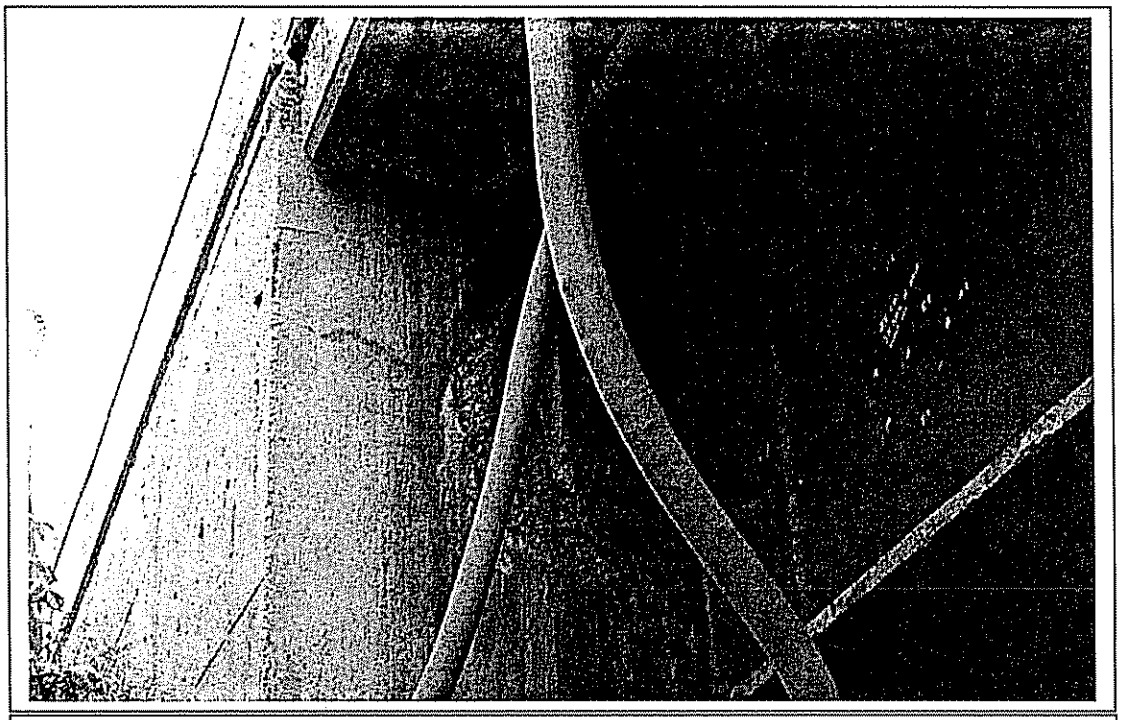


PHOTO 33

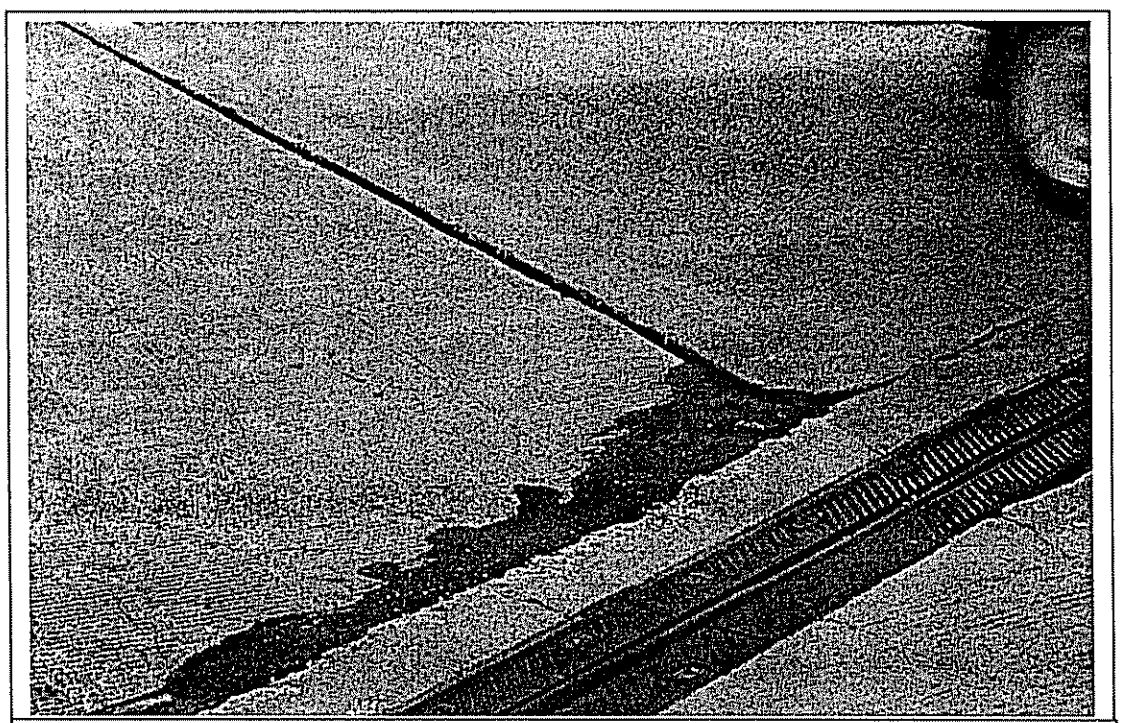
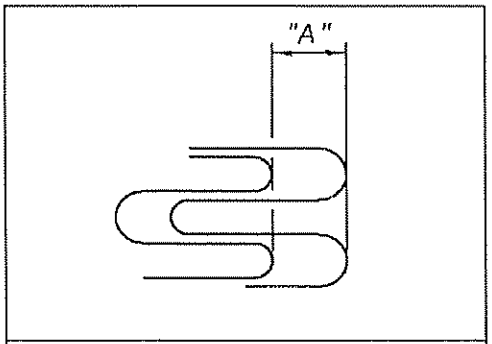


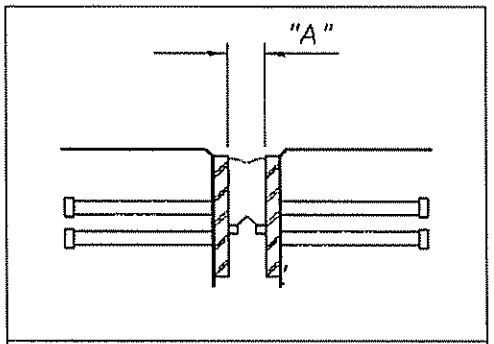
PHOTO 34

STRUCTURE NUMBER: 050-0191									
DATE: 06-05-2002					DATE:05-25-04				
BY:SKP, MJM					BY:PTW,JLF				
NORTH BOUND LANES									
LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.	LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.
S. ABUT	10 ¾"	60	(NJ)	E	S. ABUT	2"	68°	NJ	E
PIER 2	4 ½"	60	(FP)	E	PIER 2	4 ¼"	68°	FP	E
PIER 6	4"	60	(FP)	E	PIER 6	3 ¾"	68°	FP	E
PIER 10	4 ¼"	60	(FP)	E	PIER 10	4"	68°	FP	E
PIER 14	3 ¾"	60	(FP)	E	PIER 14	3 ½"	68°	FP	E
PIER 17	3 ½"	60	(FP)	E	PIER 17	3 ½"	50°	FP	E
PIER 21	3 ¾"	60	(FP)	E	PIER 21	4"	50°	FP	E
PIER 25	4"	60	(FP)	E	PIER 25	3 ½"	62°	FP	E
PIER 28	3 ½"	60	(FP)	E	PIER 28	3"	62°	FP	E
PIER 31	3 ¼"	60	(FP)	E	PIER 31	2 ¾"	66°	FP	E
PIER 34	5"	60	(FP)	E	PIER 34	4 ¾"	68°	FP	E
PIER 35	1 ½"	60	(FP)	E	PIER 35	1 ½"	68°	FP	E
PIER 38	2 ½"	60	(FP)	E	PIER 38	1 ¾"	68°	FP	E
PIER 41	3 ½"	60	(FP)	E	PIER 41	2 ¾"	68°	FP	E
PIER 43	2"	60	(FP)	E	PIER 43	3"	68°	FP	E
N. ABUT	2 ¾"	60	(NJ)	E	N. ABUT	2 ¾"	68°	NJ	E
ALL READINGS TAKEN 1' FROM PARAPET, CURB OR GUARD RAIL									

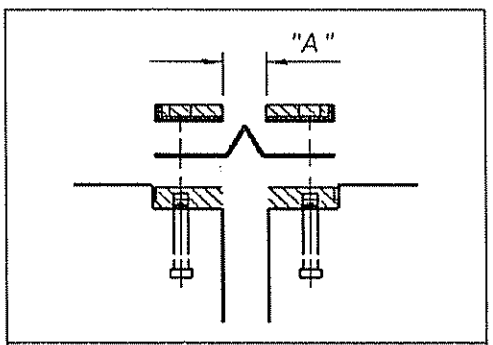
STRUCTURE NUMBER: 050-0191									
DATE: 06-05-2002					DATE:05-24-04				
BY:SKP,MJM					BY:PTW,JLF				
SOUTH BOUND LANES									
LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.	LOC.	READING	TEMP.	JT. TYP	LOC. MEAS.
S. ABUT	2 ¾"	65	(NJ)	W	S. ABUT	2 ¾"	60°	NJ	W
PIER 2	3 ¼"	65	(FP)	W	PIER 2	3 ¼"	60°	FP	W
PIER 6	4 ¼"	65	(FP)	W	PIER 6	4 ½"	50°	FP	W
PIER 10	3 ½"	65	(FP)	W	PIER 10	3 ¾"	50°	FP	W
PIER 14	3 5/8"	65	(FP)	W	PIER 14	3 ½"	50°	FP	W
PIER 17	3 ½"	65	(FP)	W	PIER 17	3 ¾"	50°	FP	W
PIER 21	3 ¼"	65	(FP)	W	PIER 21	2 ½"	72°	FP	W
PIER 25	4"	65	(FP)	W	PIER 25	3 ½"	68°	FP	W
PIER 28	2 7/8"	65	(FP)	W	PIER 28	2 5/8"	68°	FP	W
PIER 31	3 ½"	65	(FP)	W	PIER 31	3 ¼"	68°	FP	W
PIER 34	5"	65	(FP)	W	PIER 34	4 ¾"	68°	FP	W
PIER 35	1 ¾"	65	(FP)	W	PIER 35	1 ½"	68°	FP	W
PIER 38	2 ¼"	65	(FP)	W	PIER 38	1 ¾"	68°	FP	W
PIER 41	3 ¼"	65	(FP)	W	PIER 41	2 ¾"	62°	FP	W
PIER 43	2 7/8"	65	(FP)	W	PIER 43	3"	62°	FP	W
N. ABUT	2 ½"	65	(NJ)	W	N. ABUT	2 ¾"	62°	NJ	W
ALL READINGS TAKEN 1' FROM PARAPET, CURB OR GUARD RAIL									



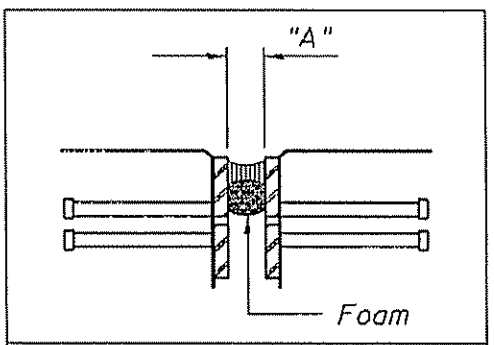
FINGER PLATE (FP)



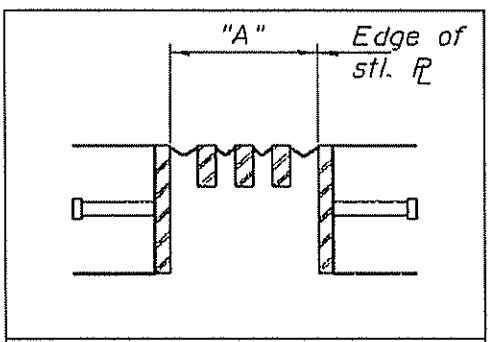
PREFORMED JOINT SEAL (PJS)



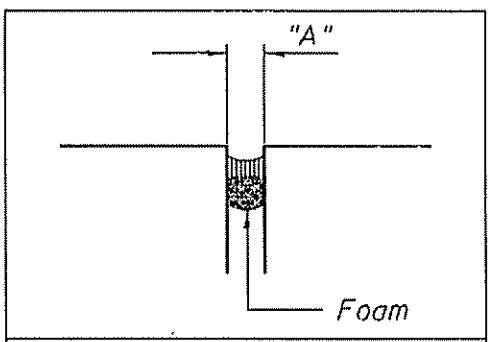
NEOPRENE JOINT (NJ)



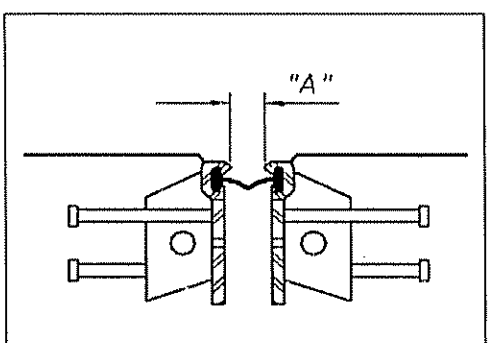
SILICONE JOINT W/ STEEL ℄ (SJS)



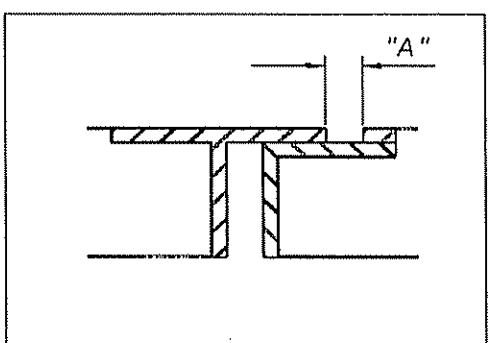
MODULAR JOINT (MJ)



SILICONE JOINT W/ CONCRETE ℄ (SJC)



STRIP SEAL JOINT (SSJ)



SLIDING STEEL JOINT (SJ)