

TRANSMITTAL SLIP

Date

4-16-01

TO: L. SCHAUB DIST #3

FROM: J. SCHNELLER BUR.
BR & STR.

SUBJECT: RETURN OF "AS BUILT PLANS"

ACTION

- | | |
|---|---|
| ☐ NOTE AND FILE | ☐ PREPARE REPLY FOR MY SIGNATURE |
| ☐ NOTE AND RETURN TO ME | ☐ TAKE APPROPRIATE ACTION |
| ☐ RETURN WITH MORE DETAILS | ☒ PER YOUR REQUEST |
| ☐ NOTE AND SEE ME ABOUT THIS | ☐ SIGNATURE |
| ☐ PLEASE ANSWER | ☐ FOR YOUR INFORMATION |
| ☐ FOR YOUR APPROVAL | ☐ INVESTIGATE AND REPORT |
| ☐ PER OUR CONVERSATION | |

COMMENTS:

RETURNING PLAN
CONT # 86919
IROQUOIS CO.



Illinois Department of Transportation

Memorandum

DEP
JFS

To: Ralph Anderson Attn: Todd Ahren
From: James J. Jereb By: Dan Mestelle
Subject: As-Built Bridge Plans
Date: January 23, 2001

Route: FAI 57 I-57
Section: (38-8B,7B-1,7B,6B-1,6B)I
County: Iroquois
Project Number: IM-57-6(166)268
Contract No: 86919
Structure No. 038-0147 038-0148 038-0149 038-0151
 038-0152 038-0153 038-0154 0155/0156

In accordance with Thomas R. Bright's memorandum dated
March 27, 1972, I am forwarding the as-built plans for processing.

RECEIVED
BUREAU OF HIGHWAYS
AND STREETS

JAN 24 2001

~~TJE
TEA
JAM~~

DEF
BKJ

DISC
CIRC
POST

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
HIGHWAY

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY

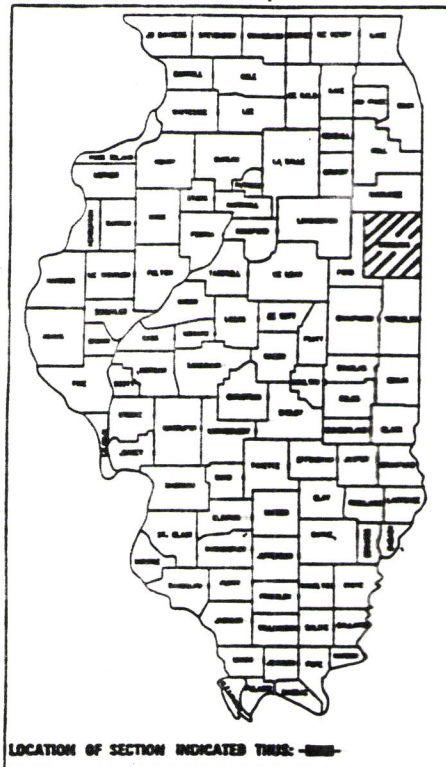
C - 93 - 082 - 99

PROJ. IM-57-6(166)268

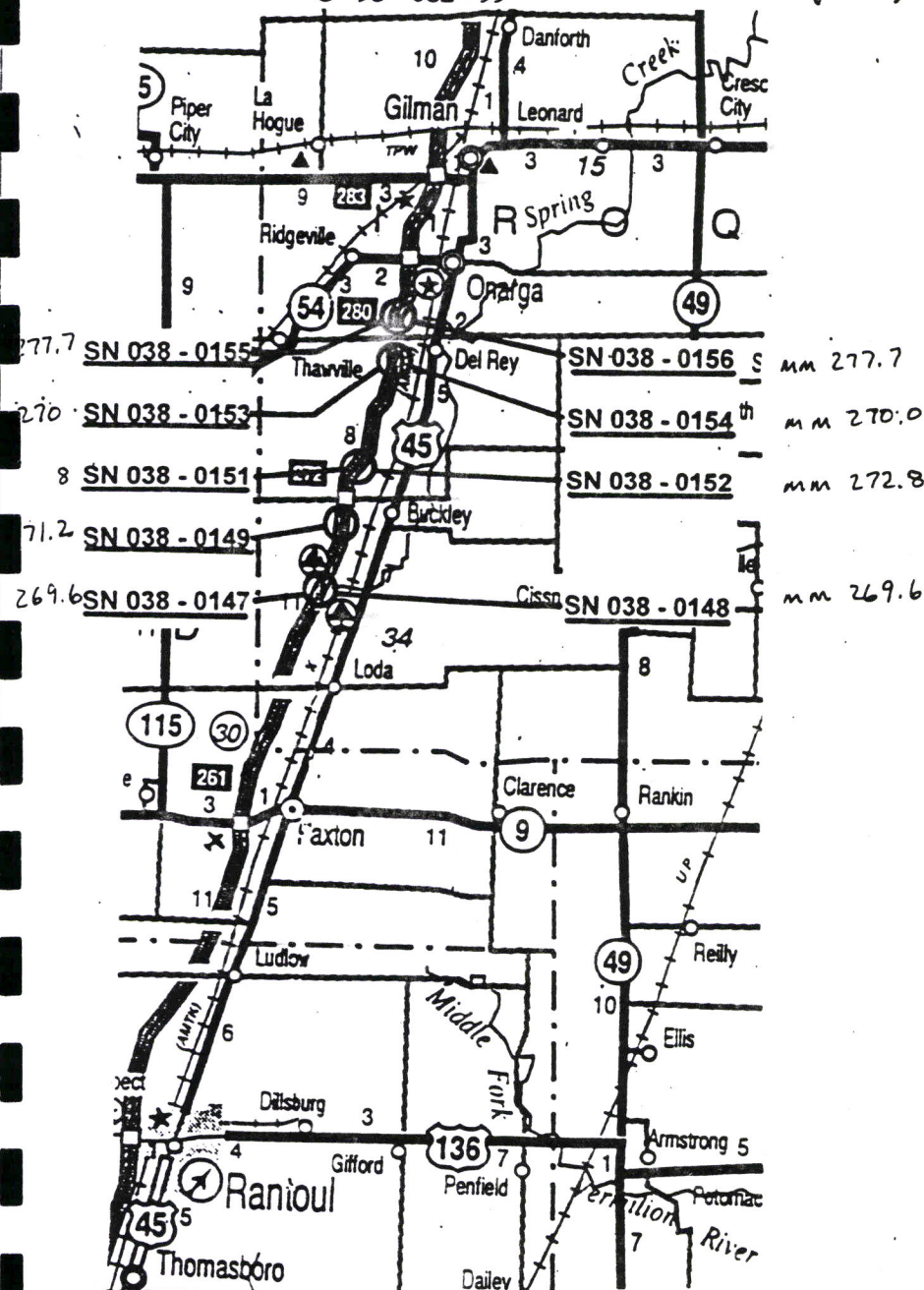
FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 1 OF 110

D - 93 - 068 - 99

N



1999 ADT 16700



O.T. Dist.#3: (815) 434-6131

TULIE (800) 892-0123

PROJECT ENGINEER: TOM SCHAEFER

AD CHIEF: ROYCE DAVIS (815) 434-8419

OWNSHIP: VARIOUS

CONTRACT NO. 86919

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STANDARDS

- 420001 -01 PAVEMENT JOINTS
- 442001 -01 CLASS A PATCH
- 701101 OFF-RD OPERATIONS, MULTILANE LESS THAN 4.5 m (15')
AWAY FOR SPEEDS > 45 MPH
- 701401 LANE CLOSURE, MULTILANE FOR SPEEDS > 45 MPH
- 701411 -01 LANE CLOSURE, MULTILANE AT ENTRANCE OR
EXIT RAMP FOR SPEEDS >= 45 MPH
- 702001 TRAFFIC CONTROL DEVICES
- 780001 -01 TYPICAL PAVEMENT MARKINGS

Rev.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 22, 1999

[Signature]
DISTRICT ENGINEER

April 2, 1999

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

April 2, 1999

[Signature]
DIRECTOR, DIVISION OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY:

[Signature]
DISTRICT OPERATIONS ENGINEER

DATE:

3/22/99

EXAMINED BY:

[Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT STUDIES & PLANS ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

SIGNATURE BLOCK

90% FED/
10% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TYPE: SFTY 2A									
				SEC 38-8B STR. #	SEC 38-7B STR. #	SEC 38-7B STR. #	SEC 38-7B STR. #	SEC 38-6B-1 STR. #	SEC 38-6B-1 STR. #	SEC 38-6B STR. #	SEC 38-6B STR. #	SEC 38-6B STR. #	SEC 38-6B STR. #
50300516	ELASTOMERIC BEARING ASSEMBLY, TYPE I (SPECIAL)	EACH	24	12									
50300517	ELASTOMERIC BEARING ASSEMBLY, TYPE II (SPECIAL)	EACH	24										
50300530	FLOOR DRAIN EXTENSION	EACH	352	56									
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	48	12									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	0.5									
67100100	MOBILIZATION	L SUM	1	0.1									
70100060	TRAFFIC CONTROL AND PROTECTION, STANDARD 70-401	L SUM	1	0.1									
70400300	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	1	1									
78200405	GUARDRAIL MARKERS	EACH	81	9									
78300500	BARRIER WALL MARKERS	EACH	344	56									
78300520	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	70	8									
M2070110	POROUS GRANULAR EMBANKMENT	M TON	104	21									
M4205050	BITUMINOUS MATERIALS (PRIME COAT)	LITER	7338	811									
M4205050	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ M	894	149									
M4205050	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ M	312	52									
M4400040	BITUMINOUS SURFACE REMOVAL 40mm	SQ M	3204	325.8									
M4400050	BITUMINOUS SURFACE REMOVAL 50mm	SQ M	21051	2323									
M4402060	APPROACH SLAB REMOVAL	SQ M	723	120.5									
M4402110	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ M	3192	378.4									
M4402120	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ M	493	80.5									
M4920000	BITUMINOUS SHOULDERS	M TON	2518	278.7									
M5010240	CONCRETE REMOVAL	CUM	57	11.4									
M5020100	STRUCTURE EXCAVATION	CUM	26.8	5.7									
M5030350	CONCRETE STRUCTURES	SQ M	6167	685.5									
M5030390	BRIDGE DECK GROOVING	SQ M	176	28									
M5030710	FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 125mm)	KG	5908	881									
M5050405	FURNISHING AND ERECTING STRUCTURAL STEEL	KG	7098	1144									
M5080205	REINFORCEMENT BARS, EPOXY COATED	METER	138	23									
M6300810	REMOVE AND RE-ERECT STEEL PLATE BEARING GUARD RAIL	METER	12482	1394									
M7030220	TEMPORARY PAVEMENT MARKING - LINE 100MM	SQ M	1960	221									
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	METER	1278	211									
M7040100	TEMPORARY CONCRETE BARRIER	METER	1290	213									
M7040200	RELOCATE TEMPORARY CONCRETE BARRIER	METER	1290	213									
M7800205	PAINT PAVEMENT MARKING - LINE 100MM	METER	208	24									
M7800215	PAINT PAVEMENT MARKING - LINE 150MM	METER	9361	933									
M7830105	PAVEMENT MARKING REMOVAL	METER	210	25.9									
MX030089	SILICONE JOINT SEALER	CUM	0.38	0.18									
MX032077	POLYMER CONCRETE	M TON	2519	278.7									
MX080900	OC/OA BITUMINOUS CONCRETE	SQ M	6329	744.2									
MZ000110	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ M	3189	383.5									
MZ000200	BRIDGE DECK SCARIFICATION	SQ M	15	325.8									
MZ001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ M	3204.1	325.8									
MZ012000	CONCRETE PAVEMENT SCARIFICATION	SQ M	170	19									
MZ010000	DECK SLAB REPAIR (PARTIAL)	EACH	60	19									
Z0002000	BAN PLOUGH												

* SPECIALTY IT 15

GENERAL NOTES

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.

NEW REINFORCEMENT BARS SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF AASHTO M-31m, M-42m, OR M-53m, GRADE 400.

THE COST OF SAW CUTTING THE EXISTING PAVEMENT AND BITUMINOUS SHOULDERS AT LIMITS OF REMOVAL SHALL BE INCLUDED IN THE RELATED CONSTRUCTION ITEMS. MINIMUM DEPTH SHALL BE 32mm UNLESS SPECIFIED ELSEWHERE IN THE PLANS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK COMPLETED.

UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 50 mm FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 50 mm FROM THE EDGE OF PAVEMENT, SEE SECTION T502 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH THE ZINC-SILICATE PRIMER PER AASHTO M300-921, TYPE 1A.

ALL STRUCTURAL STEEL EXPANSION PLATES AND ATTACHED BARS SHALL BE AASHTO M 270M GRADE 250.

BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNED ELEVATIONS WITHIN A TOLERANCE OF 3 mm. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR BY SHIMMING THE BEARING. TWO 3 mm ADJUSTING SHIMS, OF THE DIMENSIONS OF THE PEDESTAL, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS. FOR TYPE I AND TYPE II ELASTOMERIC BEARINGS, SHIM PLATES, WHEN REQUIRED, SHALL BE PLACED BETWEEN THE BEARING AND THE PEDESTAL.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY OPERATIONS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN RELATED CONSTRUCTION ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.

FINAL QUANTITIES

CODE NO.	PAY ITEM	UNIT	FINAL QUANTITY	SN # 038-0147	SN # 038-0148	SN # 038-0149	SN # 038-0151	SN # 038-0152	SN # 038-0153	SN # 038-0154	SN # 038-0155	SN # 038-0156
50300516	ELASTOMERIC BEARING ASSEMBLY, TYPE I (SPECIAL)	EACH	24 00	12.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
50300517	ELASTOMERIC BEARING ASSEMBLY, TYPE II (SPECIAL)	EACH	24 00	0.00		0.00	0.00	0.00	0.00	0.00	12.00	12.00
50300530	FLOOR DRAIN EXTENSION	EACH	158 00	32.00		0.00	0.00	0.00	28.00	28.00	19.00	19.00
50500715	JACK & REMOVE EXISTING BEARINGS	EACH	48 00	12.00		0.00	0.00	0.00	0.00	0.00	12.00	12.00
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7 00									
67100100	MOBILIZATION	L SUM	1 00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15
70100800	TRAFFIC CONTROL & PROTECTION - STANDARD 701401	L SUM	1 00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15
70400300	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	6 00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
78200405	GUARDRAIL MARKERS	EACH	27 00	0.00	6.00	9.00	6.00	6.00	0.00	0.00	0.00	0.00
78200500	BARRIER WALL MARKERS	EACH	434 00	68.00	66.00	4.00	65.00	62.00	8.00	10.00	75.00	75.00
78300200	RAISED REFLECTIVE MARKER REMOVAL	EACH	43 00	7.00	4.00	4.00	4.00	4.00	6.00	2.00	4.00	8.00
M2070110	POURIOUS GRANULAR EMBANKMENT	M TON	108 02	21.97	20.67	0.00	8.19	8.19	0.00	0.00	24.29	24.71
M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITERS	8953 99	660.51	650.54	794.34	3220.30	529.10	813.65	813.65	735.95	735.95
M4205050	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ M	903 64	150.60	150.60	0.00	150.60	150.60	0.00	0.00	150.62	150.62
M4206100	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ M	315 60	52.60	52.60	0.00	52.60	52.60	0.00	0.00	52.60	52.60
M4400040	BITUMINOUS SURFACE REMOVAL 40 MM	SQ M	3359 89	325.74	325.74	732.05	546.68	327.98	450.22	0.00	325.74	325.74
M4400050	BITUMINOUS SURFACE REMOVAL 50 MM	SQ M	19024 86	1968.90	2268.22	2352.16	1767.04	1419.90	2352.20	2352.20	2272.12	2272.12
M4402060	APPROACH SLAB REMOVAL	SQ M	722 88	120.48	120.48	0.00	120.48	120.48	0.00	0.00	120.48	120.48
M4402110	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ M	3104 70	363.40	102.42	329.64	329.64	329.67	340.60	348.10	462.00	450.80
M4402120	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ M	5952 60	938.36	968.48	333.06	918.28	413.38	555.10	555.10	635.42	635.42
M4820000	BITUMINOUS SHOULDERS	M TON	2867 32	282.65	348.04	297.64	369.28	209.94	307.98	307.99	371.90	371.90
M5010240	CONCRETE REMOVAL	CUM	59 85	10.99	11.21	0.00	6.27	6.52	0.08	0.00	12.43	12.34
M5020100	STRUCTURE EXCAVATION	CUM	83 39	14.93	15.70	0.00	7.83	8.14	0.00	0.00	18.06	18.73
M5030350	CONCRETE STRUCTURES	CUM	60 75	11.18	11.21	0.00	6.27	6.52	0.09	0.00	12.64	12.84
M5030390	BRIDGE DECK GROOVING	SQ M	4447 77	587.29	587.19	102.03	545.35	545.35	369.60	371.80	669.58	669.58
M5030710	FORMED CONCRETE REPAIR (DEPTH <= 125)	SQ M	54 18	6.95	6.35	0.00	0.00	0.00	7.09	6.79	11.81	15.19
M5050405	FURNISHING & ERECTING STRUCTURAL STEEL	KG	7169 47	1046.30	1778.28	0.00	764.60	764.60	0.00	0.00	1322.90	1582.79
M5080205	REINFORCEMENT BARS (EPOXY COATED)	KG	7204 00	1172.00	1172.00	0.00	998.00	998.00	0.00	0.00	1432.00	1432.00
M6330610	REMOVE & RE-ERECT STEEL PLATE BEAM GUARDRAIL	METER	134 97	25.60	21.33	0.00	23.66	23.66	0.00	0.00	20.36	20.36
M7030220	TEMPORARY PAVEMENT MARKING - LINE 100MM	METER	4795 00	540.00	536.00	493.00	532.00	532.00	535.00	535.00	546.00	546.00
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	479 50	54.00	53.60	49.30	53.20	53.20	53.50	53.50	54.60	54.60
M7040100	TEMPORARY CONCRETE BARRIER	METER	1256 70	207.40	210.50	0.00	201.30	201.30	0.00	0.00	219.60	216.60
M7040200	RE-LOCATE TEMPORARY CONCRETE BARRIER	METER	1269 40	209.53	212.60	0.00	203.43	203.43	0.00	0.00	221.73	218.68
M7800205	PAINT PAVEMENT MARKING LINE 100 MM	METER	9288 00	1026.00	1036.00	989.00	1080.00	1039.00	1025.00	1018.00	1048.00	1027.00
M7800215	PAINT PAVEMENT MARKING LINE 150 MM	METER	314 15	30.50	33.55	27.45	61.00	33.55	30.50	30.50	33.55	33.55
M7830105	PAVEMENT MARKING REMOVAL	METER	1319 00	287.00	1032.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX030069	SILICONE JOINT SEALER	METER	154 40	25.60	25.60	0.00	26.00	26.00	0.00	0.00	25.60	25.60
MX032077	POLYMER CONCRETE	CUM	0 50	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.09
MX040690	QC/QA BITUMINOUS CONCRETE	M TON	6844 11	808.93	987.53	653.44	908.56	455.78	801.07	725.20	767.36	736.24
M2006110	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ M	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M2006200	BRIDGE DECK SCARIFICATION	SQ M	3104 57	378.07	363.14	102.41	329.86	329.67	340.60	348.00	462.02	450.80
M2001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ M	4 25	0.00	0.00	0.00	0.00	0.00	4.25	0.00	0.00	0.00
M2012800	CONCRETE PAVEMENT SCARIFICATION	SQ M	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M2016200	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ M	154 39	35.04	29.93	3.92	13.33	5.20	9.94	13.13	25.28	18.62
Z0002600	BAR SPLICERS	EACH	92 00	16.00	16.00	0.00	14.00	14.00	0.00	0.00	16.00	16.00
FR001000	BITUMINOUS SHOULDERS 220MM	DOLLAR	18647 81									
FR004000	ADDITIONAL OVERLAY THICKNESS	DOLLAR	3557 31									
FR005000	MOTORIST CAUSED DAMAGE REPAIR	DOLLAR	7445 74									
X9302001	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ M	3103 93	378.07	363.21	102.41	329.67	329.67	340.63	348.07	461.70	450.50
X9302002	BITUMINOUS CONCRETE SURFACE COURSE MIX D. CLASS I TYPE I	M TON	691 31	77.10	77.40	152.19	97.68	37.64	133.39	0.00	57.85	57.86
X9303001	DECK SLAB REPAIR (FULL DEPTH TYPE I)	SQ M	5 87	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.58	3.29
X9303002	TRAFFIC CONTROL & PROTECTION - STANDARD 701411	L SUM	1 00	0.00	0.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00
X9303003	EXPANSION JOINT REPAIR	METER	29 28	0.00	0.00	14.64	0.00	0.00	14.64	0.00	0.00	0.00

BARRIER SCHEDULE						
LOCATION		TEMPORARY CONCRETE BARRIER TERMINAL SECTION	GUARDRAIL MARKER	BARRIER WALL MARKER	REMOVE AND RE-ERECT SPBON	RELOCATE TEMPORARY CONCRETE BARRIER
		EACH	EACH	EACH	METER	METER
SN 038-0147 (SB)	STAGE I	1	5	28	11.5	211
	STAGE II		4	28	11.5	213
SN 038-0148 (NB)	STAGE I	1	5	28	11.5	211
	STAGE II		4	28	11.5	213
SN 038-0149 (SB)	STAGE I		5			
	STAGE II		4			
SN 038-0151 (SB)	STAGE I	1	5	28	11.5	208
	STAGE II		4	28	11.5	210
SN 038-0152 (NB)	STAGE I	1	5	28	11.5	208
	STAGE II		4	28	11.5	210
SN 038-0153 (SB)	STAGE I		5			
	STAGE II		4			
SN 038-0154 (NB)	STAGE I		5			
	STAGE II		4			
SN 038-0155 (SB)	STAGE I	1	5	30	11.5	228
	STAGE II		4	30	11.5	222
SN 038-0156 (NB)	STAGE I	1	5	30	11.5	228
	STAGE II		4	30	11.5	222
TOTAL		8	81	344	138	1278

TRAFFIC CONTROL & PROTECTION SCHEDULE									
LOCATION		TRAFFIC CONTROL & PROTECTION STANDARD 701401	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	TEMPORARY PAVEMENT MARKING LINE 100 mm		WORK ZONE PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING LINE 100 mm	
		LUMP SUM	EACH	METER		SO M	METER	METER	
				YELLOW	WHITE			YELLOW	WHITE
SN 038-0147 (SB)	STAGE I	0.05	8	184	513	110.5	513		
	STAGE II	0.05		513	184	110.5	420	513	513
SN 038-0148 (NB)	STAGE I	0.08	8	184	513	110.8	513		
	STAGE II	0.05		513	184	110.5	420	513	513
SN 038-0149 (SB)	STAGE I	0.05	8	182	491	108	491		
	STAGE II	0.05		491	182	106	420	491	491
SN 038-0151 (SB)	STAGE I	0.05	8	181	510	110	510		
	STAGE II	0.05		510	181	110	420	510	510
SN 038-0152 (NB)	STAGE I	0.05	8	181	510	110	510		
	STAGE II	0.05		510	181	110	420	510	510
SN 038-0153 (SB)	STAGE I	0.05	8	183	512	111	512		
	STAGE II	0.05		512	183	110	420	512	512
SN 038-0154 (NB)	STAGE I	0.05	8	188	512	111	512		
	STAGE II	0.05		512	188	110	420	512	512
SN 038-0155 (SB)	STAGE I	0.05	8	191	520	108	520		
	STAGE II	0.05		520	191	108	420	520	520
SN 038-0156 (NB)	STAGE I	0.05	8	191	520	108	520		
	STAGE II	0.05		520	191	108	420	520	520
TOTAL		1	70	6241	6241	1800	6381	4601	4601

BITUMINOUS SCHEDULE							
LOCATION		BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS SURFACE REMOVAL 40mm	BITUMINOUS SURFACE REMOVAL 50mm	BITUMINOUS CONCRETE REMOVAL (DECK)	CONCRETE SHOULDER REMOVAL	OC/OA BITUMINOUS CONCRETE
		LITER	SO METER	SO METER	SO METER	SO METER	M TON
SN 038-0147 (SB)	STAGE I	514.0	182.9	1478.0	188.2	30.3	178.4
	STAGE II	287.0	182.9	853.0	188.2	30.3	102.3
SN 038-0148 (NB)	STAGE I	514.0	182.9	1478.0	188.2	30.3	178.4
	STAGE II	287.0	182.9	853.0	188.2	30.3	102.3
SN 038-0149 (SB)	STAGE I	515.0	223.0	1470.0	51.1		176.4
	STAGE II	388.0	223.0	801.0	51.1		105.9
SN 038-0151 (SB)	STAGE I	514.0	182.9	1478.0	184.9	30.3	178.4
	STAGE II	287.0	182.9	853.0	164.9	30.3	102.3
SN 038-0152 (NB)	STAGE I	514.0	182.9	1478.0	164.9	30.3	178.4
	STAGE II	287.0	182.9	853.0	164.9	30.3	102.3
SN 038-0153 (SB)	STAGE I	515.0	223.1	1470.0	170.3		176.4
	STAGE II	388.0	223.1	801.0	178.3		105.9
SN 038-0154 (NB)	STAGE I	515.0	178.5	1478.0	174.0		176.4
	STAGE II	388.0	178.5	801.0	174.0		105.9
SN 038-0155 (SB)	STAGE I	514.0	182.9	1478.0	231.0	30.3	178.4
	STAGE II	287.0	182.9	853.0	231.0	30.3	102.3
SN 038-0156 (NB)	STAGE I	514.0	182.9	1478.0	231.0	30.3	178.4
	STAGE II	287.0	182.9	853.0	231.0	30.3	102.3
TOTAL		7288	3204	21051	3131	483	2519

SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 5A OF 110

MICROSILICA CONCRETE OVERLAY SCHEDULE

LOCATION		BRIDGE DECK MICROSILICA CONCRETE OVERLAY	BRIDGE DECK SCAFFOLDING	CONCRETE PAYMENT SCAFFOLDING	BRIDGE DECK GROOVING
		SQ METER	SQ METER	SQ METER	SQ METER
SN 038-0147 (SB)	STAGE I	333.3	170.2	102.9	323.8
	STAGE II	371.9	208.1	102.9	301.7
SN 038-0148 (NB)	STAGE I	328.5	163.8	102.9	317.5
	STAGE II	362.8	198.9	102.9	353.9
SN 038-0149 (SB)	STAGE I	289.1	46.0	223.0	266.6
	STAGE II	279.3	50.2	223.0	276.8
SN 038-0151 (SB)	STAGE I	311.4	148.5	102.9	303.3
	STAGE II	344.3	181.4	102.9	336.2
SN 038-0152 (NB)	STAGE I	311.4	148.5	102.9	303.3
	STAGE II	344.3	181.4	102.9	336.2
SN 038-0153 (SB)	STAGE I	375.5	153.3	223.1	368.8
	STAGE II	410.5	187.3	223.1	402.1
SN 038-0154 (NB)	STAGE I	335.2	153.3	178.5	326.3
	STAGE II	308.8	187.3	178.5	301.3
SN 038-0155 (SB)	STAGE I	370.8	207.9	102.9	359.4
	STAGE II	417.0	284.1	102.9	403.6
SN 038-0156 (NB)	STAGE I	370.8	207.9	102.9	359.4
	STAGE II	417.0	284.1	102.9	403.6
TOTAL		6320	3100	3304	6107

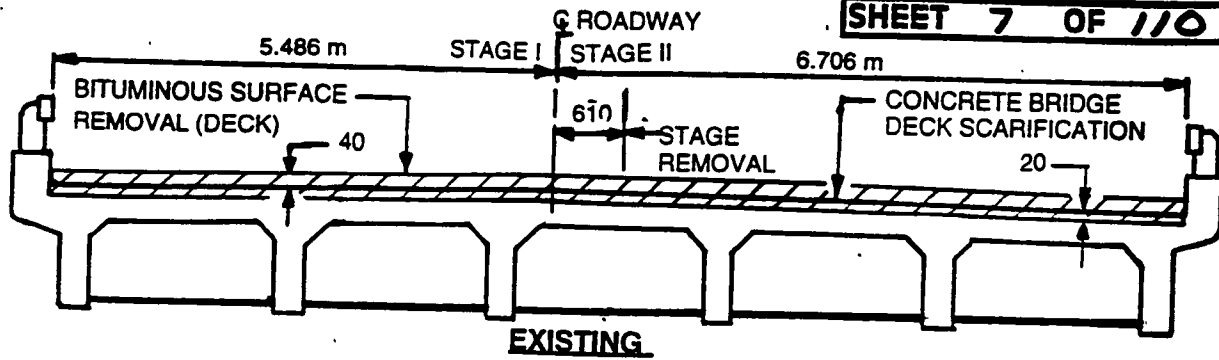
CONCRETE STRUCTURE SCHEDULE

LOCATION		POROUS GRANULAR EMBANKMENT	CONCRETE REMOVAL	STRUCTURE EXCAVATION	CONCRETE STRUCTURE	FURNISHING & ERECTING STRUCTURAL STEEL	JACK & REMOVE BEARINGS	ELASTOMERIC BEARING ASSEMBLY TYPE I (SPECIAL) EACH	ELASTOMERIC BEARING ASSEMBLY TYPE II (SPECIAL) EACH	SILICONE JOINT SEALER	POLYMER CONCRETE
		CU METER	CU METER	CU METER	CU METER	KG	EACH	EACH	EACH	METER	CU METER
SN 038-0147 (SB)	STAGE I	11.0	5.7	2.9	5.2	340	8	6		11.7	0.00
	STAGE II	10.0	5.7	2.8	6.2	340	8	6		14.2	0.11
SN 038-0148 (NB)	STAGE I	11.0	5.7	2.8	5.2	840	6	6		11.7	
	STAGE II	10.0	5.7	2.8	6.2	716	6	6		14.2	
SN 038-0149 (SB)	STAGE I										
	STAGE II										
SN 038-0151 (SB)	STAGE I	6.0	3.1	1.6	2.9	311				11.8	
	STAGE II	5.0	3.1	1.5	3.3	300				14.0	
SN 038-0152 (NB)	STAGE I	6.0	3.1	1.6	2.9	311				11.8	
	STAGE II	6.0	3.1	1.5	3.3	300				14.0	
SN 038-0153 (SB)	STAGE I									12.2	
	STAGE II									14.8	
SN 038-0154 (NB)	STAGE I									12.2	
	STAGE II									14.8	
SN 038-0155 (SB)	STAGE I	10.0	5.48	2.8	4.9	490	6		6	11.7	0.00
	STAGE II	10.0	5.45	2.7	6.0	490	6		6	14.2	0.11
SN 038-0156 (NB)	STAGE I	10.0	5.45	2.8	4.9	757	6		6	11.7	0.00
	STAGE II	10.0	5.45	2.7	6.0	825	6		6	14.2	0.11
TOTAL		104	57	28.0	57	5908	48	24	24	210	0.87

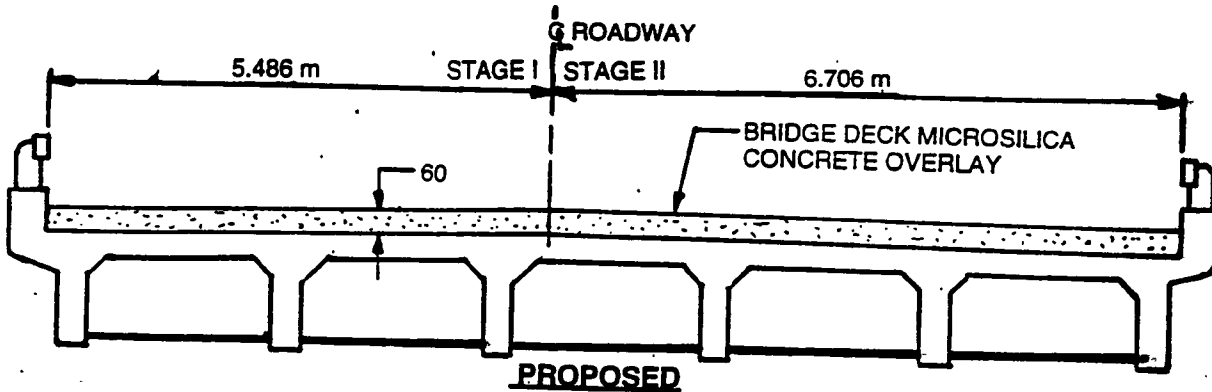
BRIDGE APPROACH SCHEDULE

LOCATION		APPROACH SLAB REMOVAL	APPROACH PAYMENT (SPECIAL)	APPROACH PAYMENT CONNECTOR (PCC)
		SQ METER	SQ METER	SQ METER
SN 038-0147 (SB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
SN 038-0148 (NB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
SN 038-0149 (SB)	STAGE I			
	STAGE II			
SN 038-0151 (SB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
SN 038-0152 (NB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
SN 038-0153 (SB)	STAGE I			
	STAGE II			
SN 038-0154 (NB)	STAGE I			
	STAGE II			
SN 038-0155 (SB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
SN 038-0156 (NB)	STAGE I	60.2	67.0	23.4
	STAGE II	60.3	62.0	28.0
TOTAL		723	804	312

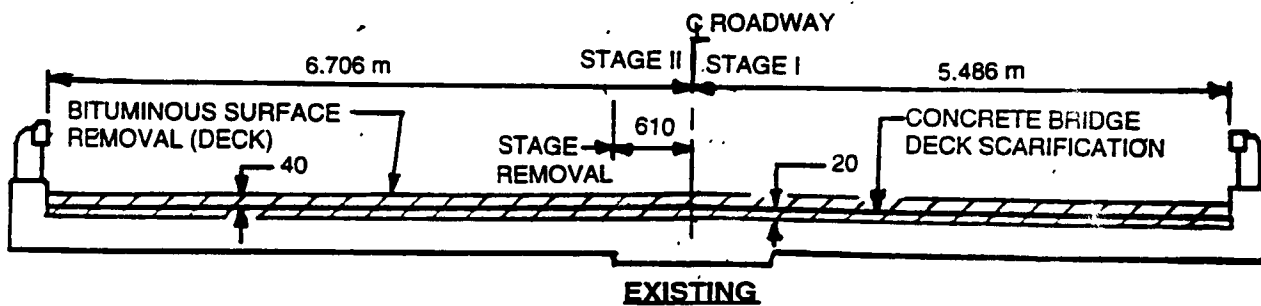
Revised 03/25/99



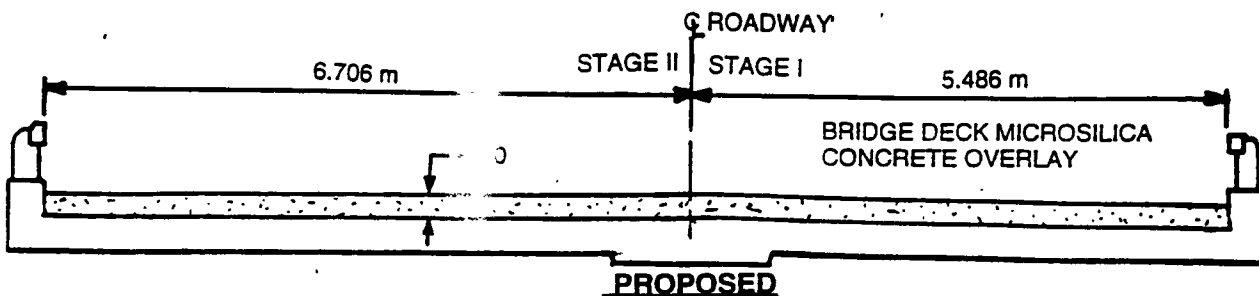
 BITUMINOUS SURFACE REMOVAL (DECK)
 CONCRETE BRIDGE DECK SCARIFICATION



TYPICAL STRUCTURE SECTION
S.N. 038-0147 (SB) S.N. 038-0148 (NB)
S.N. 038-0153 (SB) S.N. 038-0154 (NB)
S.N. 038-0155 (SB) S.N. 038-0156 (NB)



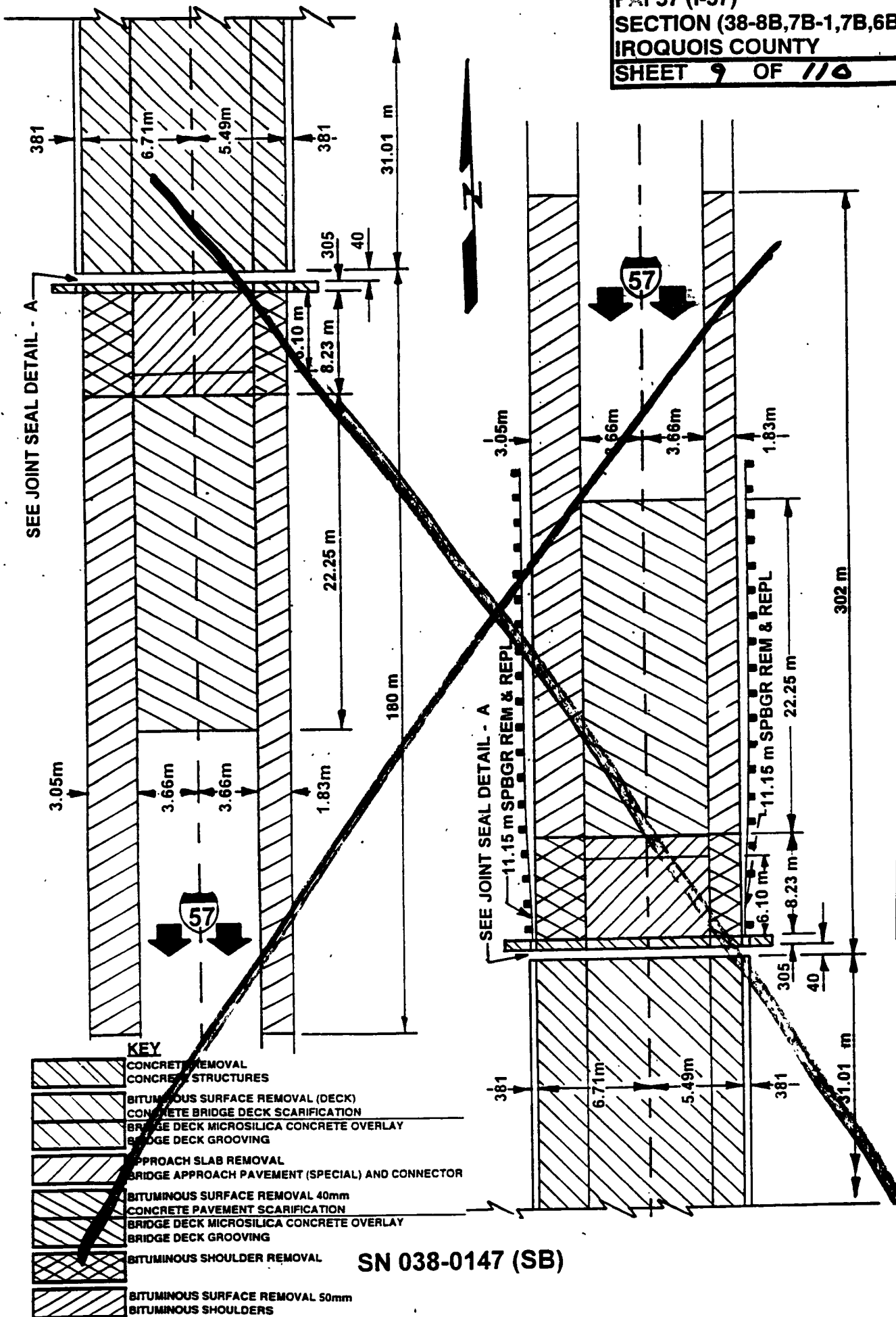
 BITUMINOUS SURFACE REMOVAL (DECK)
 CONCRETE BRIDGE DECK SCARIFICATION



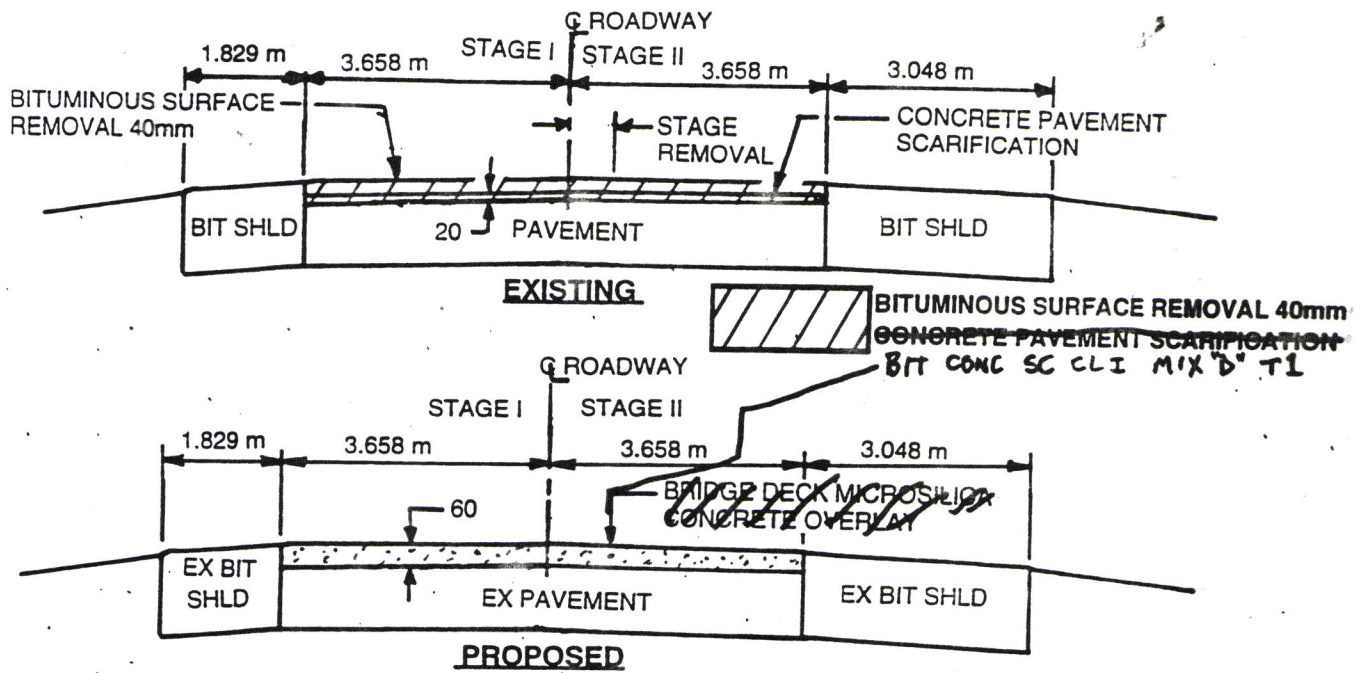
TYPICAL STRUCTURE SECTION
S.N. 038-0149 (SB)
S.N. 038-0151 (SB) S.N. 038-0152 (NB)

REINFORCEMENT SCHEDULE

S.N.	BAR	SIZE	NO.	LENGTH	SHAPE	WEIGHT	BAR	SIZE	NO.	LENGTH	SHAPE	WEIGHT
				METER		Kg				METER		Kg
SN 038-0147(SB)	NORTH ABUTMENT						SOUTH ABUTMENT					
	A(e)	#15	41	1.187		76	A(e)	#15	41	1.187		76
	A1(e)	#15	41	1.170		75	A1(e)	#15	41	1.170		75
	A2(e)	#15	8	5.330		67	A2(e)	#15	8	5.330		67
	A3(e)	#15	8	6.630		83	A3(e)	#15	8	6.630		83
	A4(e)	#15	41	1.107		71	A4(e)	#15	41	1.107		71
	A5(e)	#15	12	1.524		29	A5(e)	#15	12	1.524		29
	A6(e)	#15	28	1.296		57	A6(e)	#15	28	1.296		57
	A7(e)	#15	16	2.058		52	A7(e)	#15	16	2.058		52
	U(e)	#15	41	0.991		64	U(e)	#15	41	0.991		64
SN 038-0148(NB)	B(e)	#15	41	1.187		76	B(e)	#15	41	1.187		76
	B1(e)	#15	41	1.170		75	B1(e)	#15	41	1.170		75
	B2(e)	#15	8	5.330		67	B2(e)	#15	8	5.330		67
	B3(e)	#15	8	6.630		83	B3(e)	#15	8	6.630		83
	B4(e)	#15	41	1.107		71	B4(e)	#15	41	1.107		71
	B5(e)	#15	12	1.524		29	B5(e)	#15	12	1.524		29
	B6(e)	#15	28	1.296		57	B6(e)	#15	28	1.296		57
	B7(e)	#15	16	2.058		52	B7(e)	#15	16	2.058		52
	U(e)	#15	41	0.991		64	U(e)	#15	41	0.991		64
	C(e)	#15	82	0.733		94	C(e)	#15	82	0.733		94
SN 038-0151(SB)	C1(e)	#15	6	5.886		55	C1(e)	#15	6	5.886		55
	C2(e)	#15	6	7.220		68	C2(e)	#15	6	7.220		68
	C3(e)	#15	16	1.753		44	C3(e)	#15	16	1.753		44
	C4(e)	#15	12	1.524		29	C4(e)	#15	12	1.524		29
	C5(e)	#15	41	0.809		52	C5(e)	#15	41	0.809		52
	C6(e)	#15	24	1.753		66	C6(e)	#15	24	1.753		66
	C7(e)	#15	1	5.886		9	C7(e)	#15	1	5.886		9
	C8(e)	#15	1	7.220		11	C8(e)	#15	1	7.220		11
	U(e)	#15	41	0.991		64	U(e)	#15	41	0.991		64
	C(e)	#15	82	0.733		94	C(e)	#15	82	0.733		94
SN 038-0152(NB)	C1(e)	#15	6	5.886		55	C1(e)	#15	6	5.886		55
	C2(e)	#15	6	7.220		68	C2(e)	#15	6	7.220		68
	C3(e)	#15	16	1.753		44	C3(e)	#15	16	1.753		44
	C4(e)	#15	12	1.524		29	C4(e)	#15	12	1.524		29
	C5(e)	#15	41	0.809		52	C5(e)	#15	41	0.809		52
	C6(e)	#15	24	1.753		66	C6(e)	#15	24	1.753		66
	C7(e)	#15	1	5.886		9	C7(e)	#15	1	5.886		9
	C8(e)	#15	1	7.220		11	C8(e)	#15	1	7.220		11
	U(e)	#15	41	0.991		64	U(e)	#15	41	0.991		64
	D(e)	#15	40	1.118		70	D(e)	#15	40	1.118		70
SN 038-0155(SB)	D1(e)	#15	40	1.485		93	D1(e)	#15	40	1.485		93
	D2(e)	#15	40	0.851		53	D2(e)	#15	40	0.851		53
	D3(e)	#15	36	2.744		155	D3(e)	#15	36	2.744		155
	D4(e)	#15	8	5.791		73	D4(e)	#15	8	5.791		73
	D5(e)	#15	8	7.011		88	D5(e)	#15	8	7.011		88
	D6(e)	#15	16	1.524		38	D6(e)	#15	16	1.524		38
	D7(e)	#15	10	2.134		34	D7(e)	#15	10	2.134		34
	D8(e)	#15	10	2.744		43	D8(e)	#15	10	2.744		43
	U(e)	#20	40	0.991		62	U(e)	#20	40	0.991		62
	D(e)	#15	40	1.118		70	E(e)	#15	40	1.118		70
SN 038-0156(NB)	D1(e)	#15	40	1.485		93	E1(e)	#15	40	1.485		93
	D2(e)	#15	40	0.851		53	E2(e)	#15	40	0.851		53
	D3(e)	#15	36	2.744		155	E3(e)	#15	36	2.744		155
	D4(e)	#15	8	5.791		73	E4(e)	#15	8	5.791		73
	D5(e)	#15	8	7.011		88	E5(e)	#15	8	7.011		88
	D6(e)	#15	16	1.524		38	E6(e)	#15	16	1.524		38
	D7(e)	#15	10	2.134		34	E7(e)	#15	10	2.134		34
	D8(e)	#15	10	2.744		43	E8(e)	#15	10	2.744		43
	U(e)	#20	40	0.991		62	U(e)	#20	40	0.991		62
	U(e)	#20	40	0.991		62	U(e)	#20	40	0.991		62
TOTAL WEIGHT						3548						

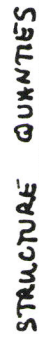


MIX	AC	MAX % RAP**	DESIGN
SHOULDER	AC-10	30%	AIR Voids 2.0%



TYPICAL PAVEMENT SECTION

↑



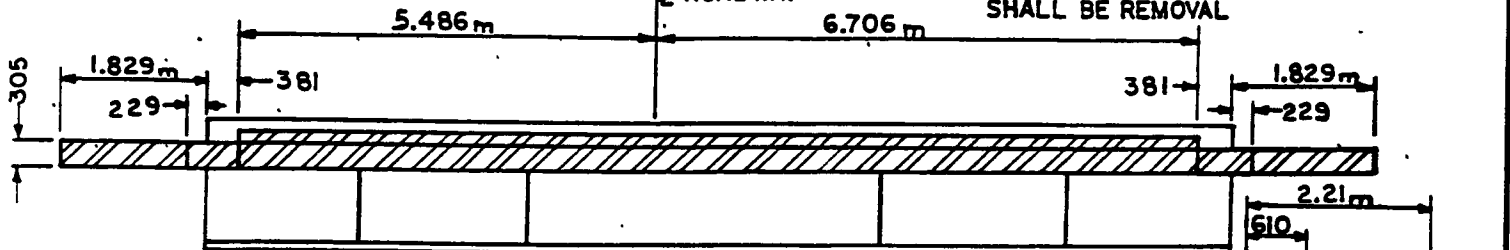
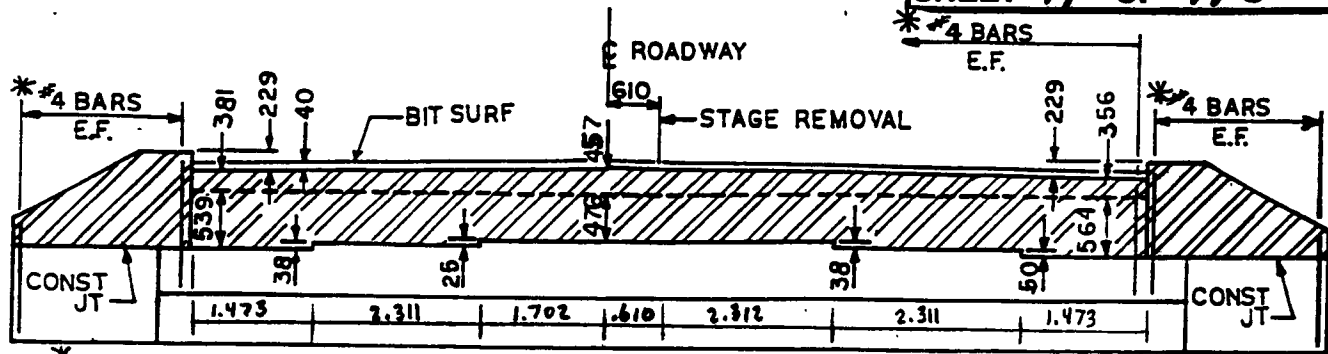
BRIDGE APPROACH PAVEMENT (SPECIAL)	149 m ²
BRIDGE APPROACH PAVT. CONNECTOR (POL)	52 m ²
BRIDGE DECK GROOVING	580 m ²
BRIDGE DECK MICROSILICA OVERLAY	378.3 m ²
BRIDGE SCABIFICATION	378.3 m ²
CONCRETE PAVEMENT SCABIFICATION	325.8 m ²
BIT. CONC. SUBB. GRB. MIX D. C.U.T. TYPE	50 MTN
BITUMINOUS SURFACE REMOVAL 40MM	325.8 m ²
BITUMINOUS CONCRETE REMOVAL (DECK)	378.3 m ²

KEY



CONCRETE REMOVAL

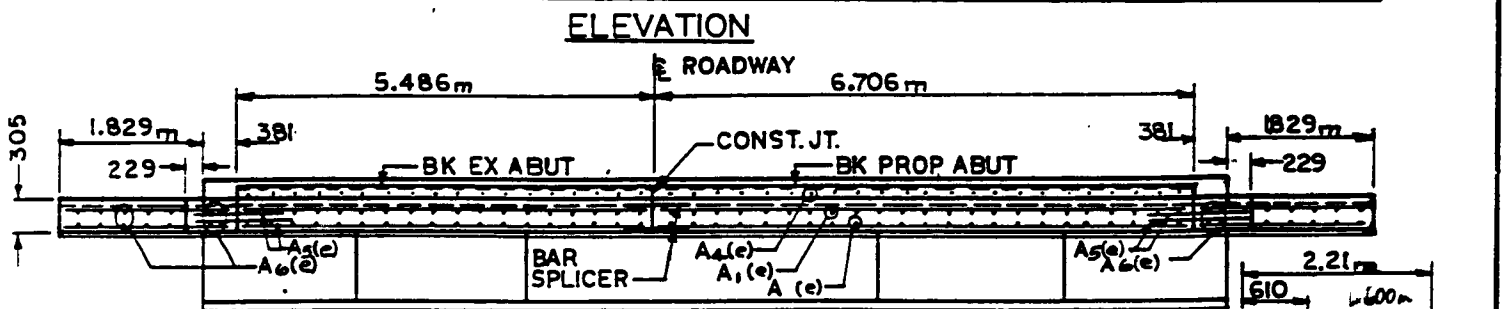
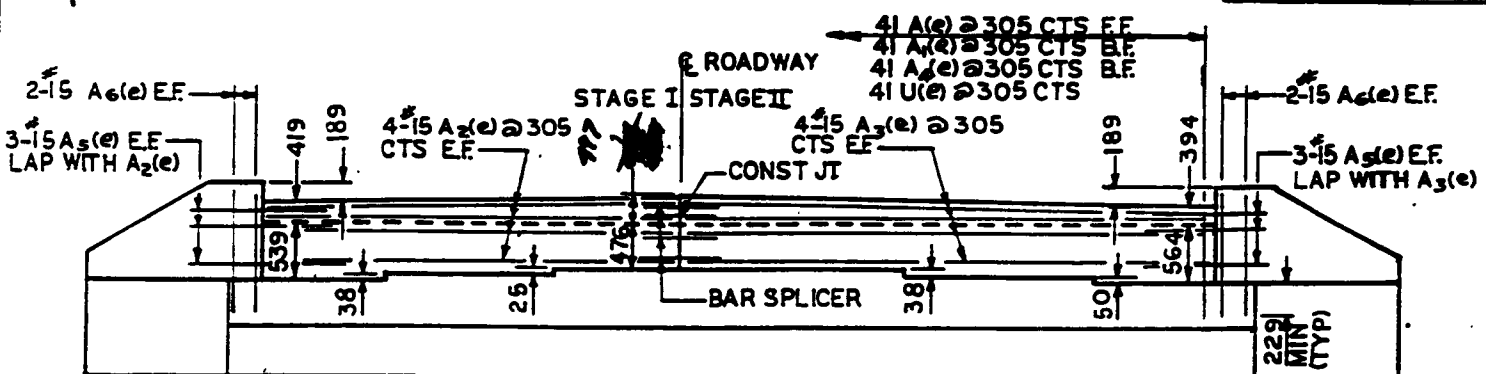
FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET // OF // 0



EXISTING ABUTMENT DETAILS

SN 038-0147 (SB)
NORTH AND SOUTH ABUTMENTS

WINGWALL ELE.

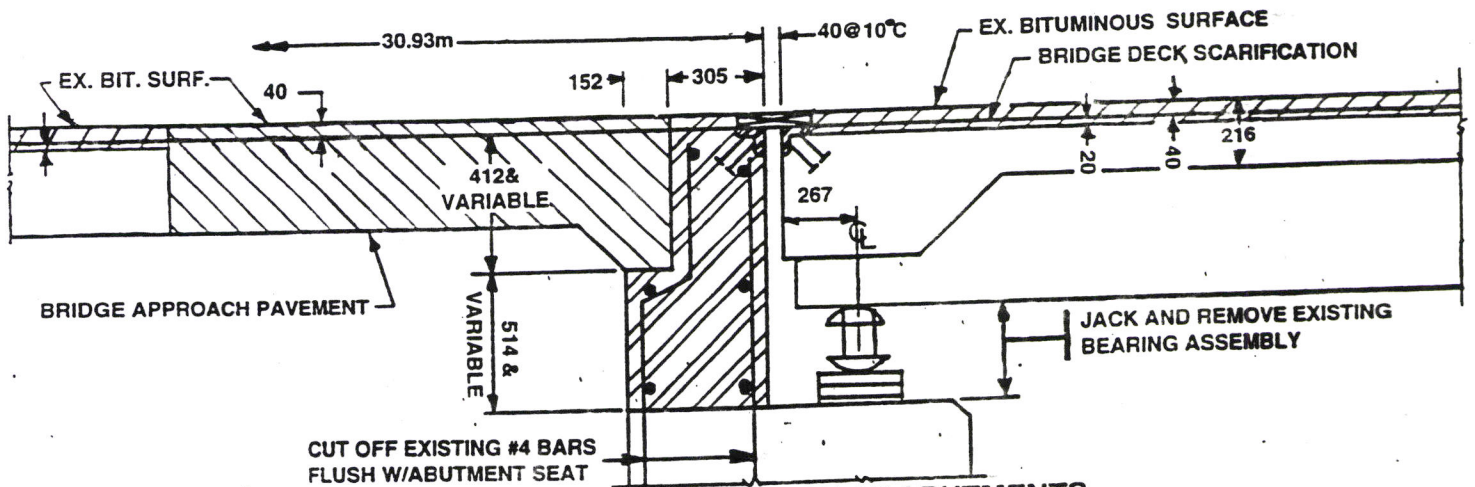


PROPOSED ABUTMENT DETAILS

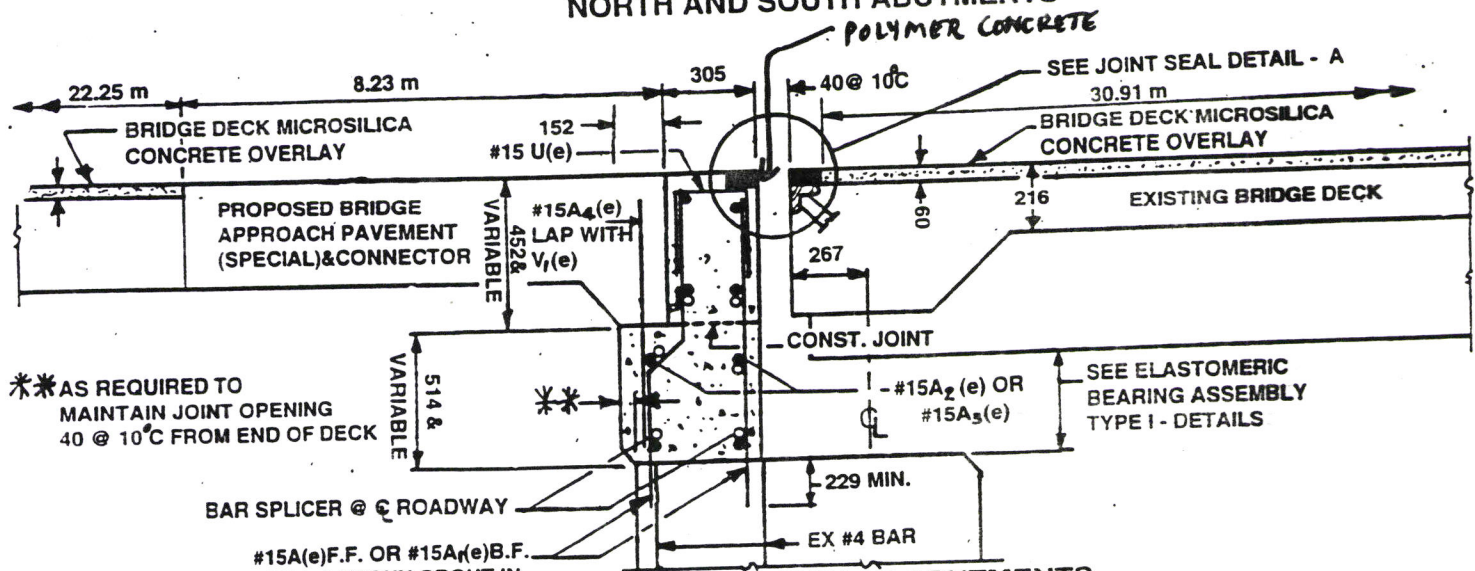
SN 038-0147 (SB)
NORTH AND SOUTH ABUTMENTS

WINGWALL ELEV.

S.N. 038-0147 (SB)



EXISTING SECTION AT ABUTMENTS
SN 038-0147 (SB)
NORTH AND SOUTH ABUTMENTS

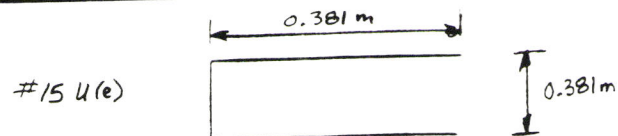
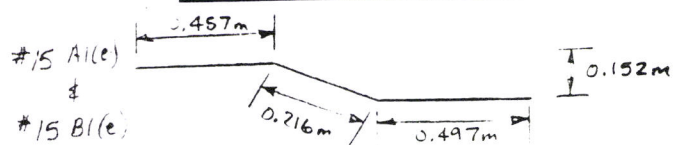


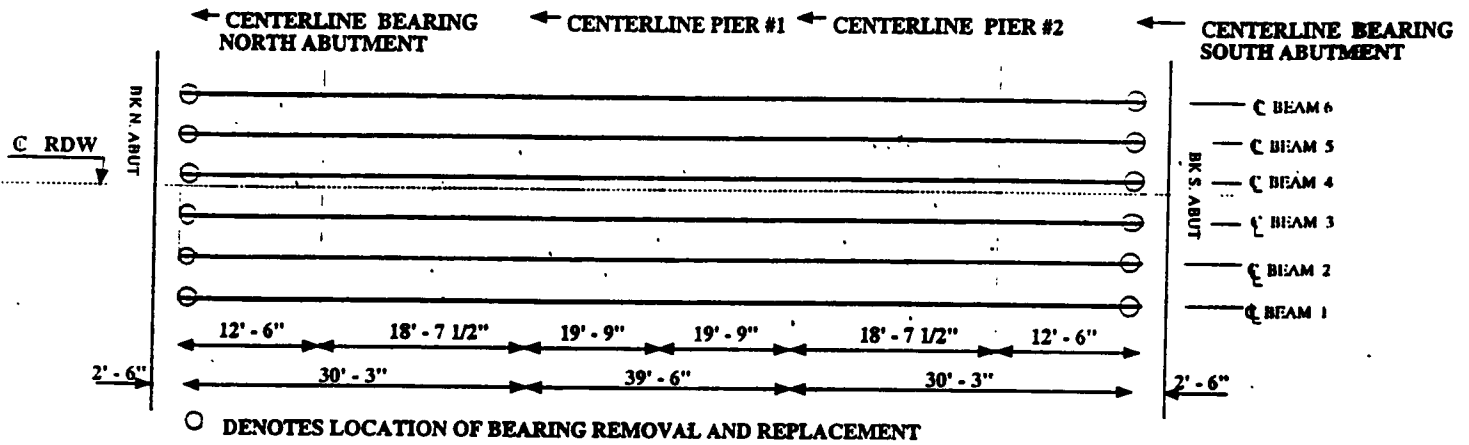
PROPOSED SECTION AT ABUTMENTS
SN 038-0147 (SB)
NORTH AND SOUTH ABUTMENTS

KEY	
	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING

REINFORCEMENT SCHEDULE (CORRECTED)

REINFORCEMENT SCHEDULE (CORRECTED)													
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
STRUCT. NUMBER	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	
SN 038-0147 (SB) NORTH ABUTMENT													
	A(e)	#15	19	1.187		35	A(e)	#15	22	1.187		41	
	A1(e)	#15	19	1.170		35	A1(e)	#15	22	1.170		40	
	A2(e)	#15	8	* 5.406		68							
	A4(e)	#15	19	1.107		33	A3(e)	#15	8	6.630		83	
	A5(e)	#15	6	1.524		14	A4(e)	#15	22	1.107		38	
	A6(e)	#15	14	* 1.338		29	A5(e)	#15	6	1.524		14	
	A7(e)	#15	8	* 2.110		27	A6(e)	#15	14	* 1.338		29	
	U(e)	#15	19	0.991		30	A7(e)	#15	8	* 2.110		27	
						U(e)	#15	22	0.991		34		
SN 038-0147 (SB) SOUTH ABUTMENT													
	A(e)	#15	19	1.187		35	A(e)	#15	22	1.187		41	
	A1(e)	#15	19	1.170		35	A1(e)	#15	22	1.170		40	
	A2(e)	#15	8	* 5.406		68							
	A4(e)	#15	19	1.107		33	A3(e)	#15	8	6.630		83	
	A5(e)	#15	6	1.524		14	A4(e)	#15	22	1.107		38	
	A6(e)	#15	14	* 1.338		29	A5(e)	#15	6	1.524		14	
	A7(e)	#15	8	* 2.110		27	A6(e)	#15	14	* 1.338		29	
	U(e)	#15	19	0.991		30	A7(e)	#15	8	* 2.110		27	
						U(e)	#15	22	0.991		34		
REINFORCEMENT BARS (EPOXY)						542	REINFORCEMENT BARS (EPOXY)						615





FRAMING PLAN SN 038 - 0147

INTERIOR GIRDER REACTION TABLE SN 038 - 0147			
		NORTH ABUT.	SOUTH ABUT.
DEAD LOAD	(KIPS)	11.5	11.5
LIVE LOAD	(KIPS)	28.6	28.6
IMPACT	(KIPS)	8.5	8.5
TOTAL REACTION	(KIPS)	48.6	48.6

REQUIRED SHIMS SN 038 - 0147		
	NORTH ABUT.	SOUTH ABUT.
GIRDER 1	-	-
GIRDER 2	-	-
GIRDER 3	-	-
GIRDER 4	1/4"	1/4"
GIRDER 5	3/8"	3/8"
GIRDER 6	-	-

NOTES:

All Bearing Details are in English Units

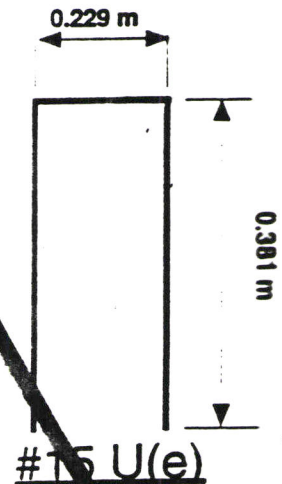
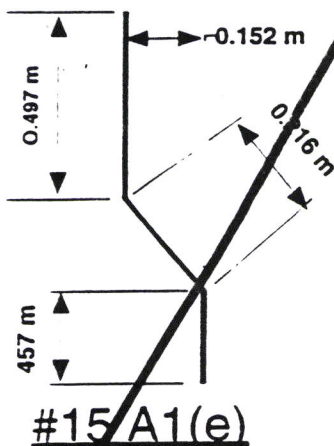
Additional Shim Plates if required will be placed as directed by the Engineer.

New bearings shall be ELASTOMERIC TYPE I with Steel Pedestal.

See ELASTOMERIC BEARING TYPE I /w PEDESTAL DETAILS

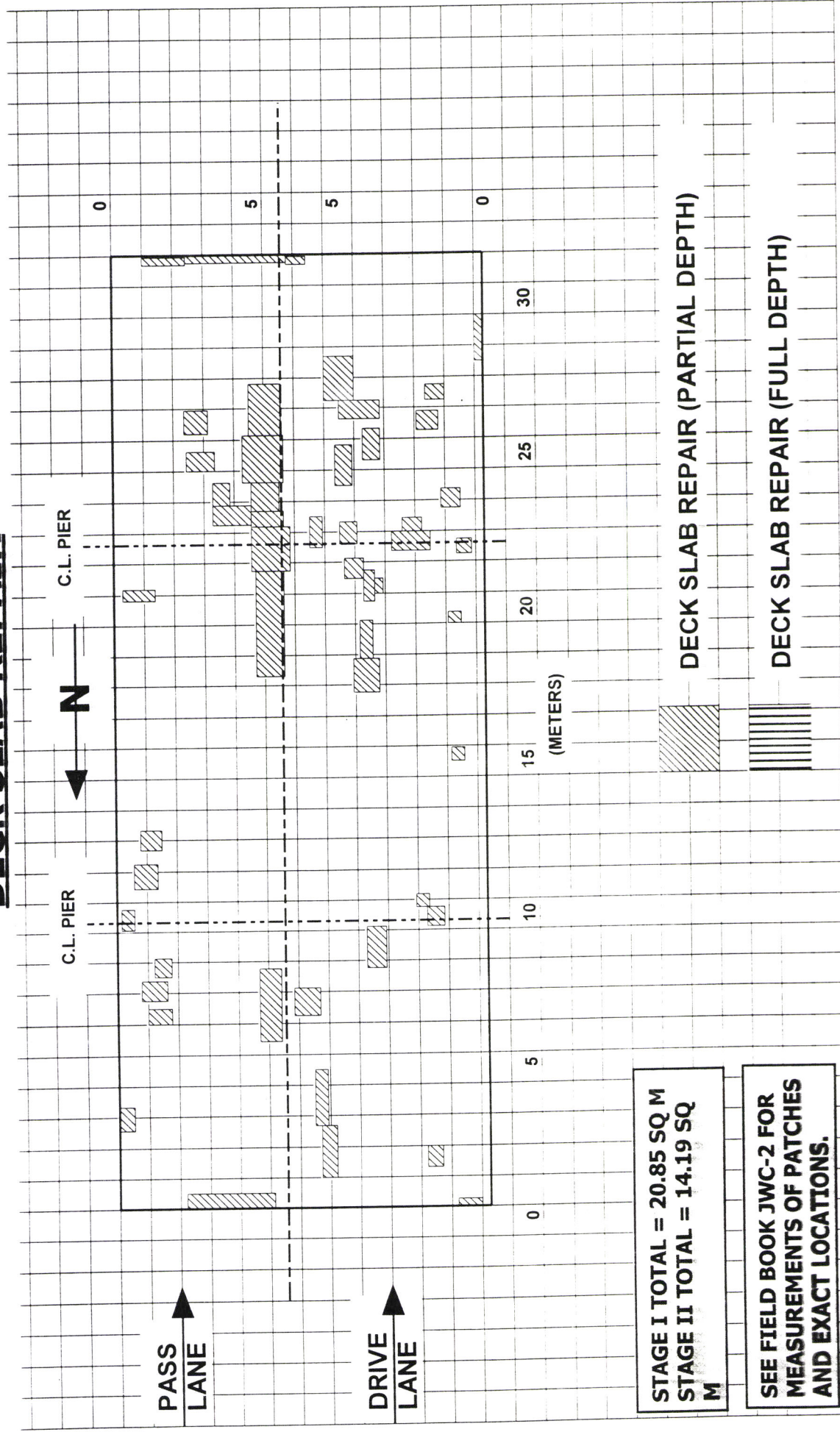
REINFORCEMENT SCHEDULE

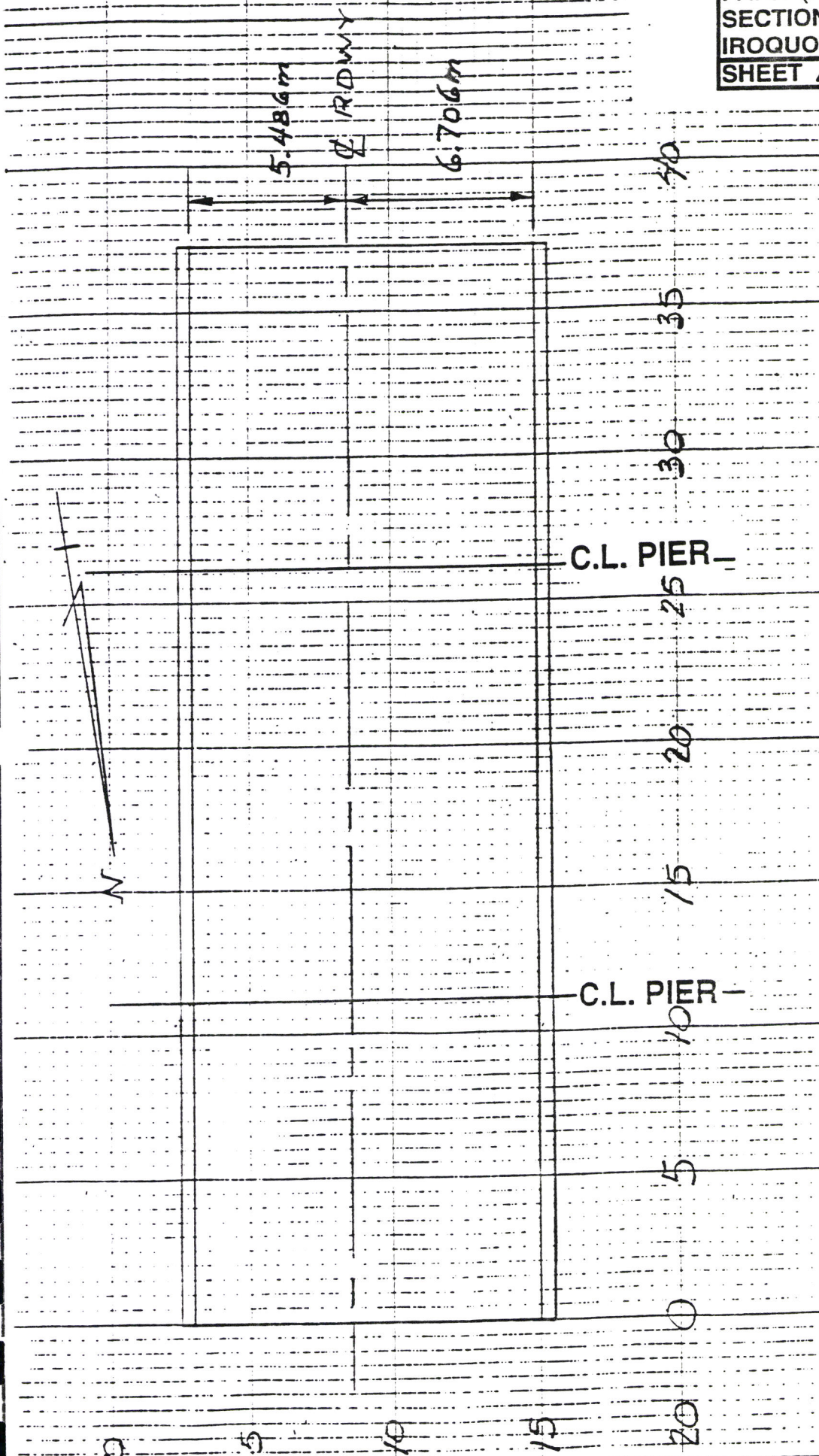
S.N.	BAR	SIZE	NO.	LENGTH METER	SHAPE	WEIGHT Kg	BAR	SIZE	NO.	LENGTH METER	SHAPE	WEIGHT Kg
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION					
SN 038-0147(SB) NORTH ABUTMENT	A(e)	#15	19	1.187		35	A(e)	#15	22	1.187		41
	A1(e)	#15	9	1.170		35	A1(e)	#15	22	1.170		40
	A2(e)	#15		5.330		67						
	A4(e)	#15	19	1.107		33	A3(e)	#15	8	6.630		83
	A5(e)	#15	6	1.524		14	A4(e)	#15	22	1.107		38
	A6(e)	#15	14	1.296		28	A5(e)	#15	6	1.524		14
	A7(e)	#15	8	2.058		26	A6(e)	#15	14	1.296		28
	U(e)	#15	19	0.991		30	A7(e)	#15	8	2.058		26
SN 038-0147(SB) SOUTH ABUTMENT	A(e)	#15	19	1.187		35	U(e)	#15	22	0.991		34
	A1(e)	#15	19	1.170		35	A(e)	#15	22	1.187		41
	A2(e)	#15	8	5.330		67	A1(e)	#15	22	1.170		40
	A4(e)	#15	19	1.107		33	A3(e)	#15	8	6.630		83
	A5(e)	#15	6	1.524		14	A4(e)	#15	22	1.107		38
	A6(e)	#15	14	1.296		28	A5(e)	#15	6	1.524		14
	A7(e)	#15	8	2.058		26	A6(e)	#15	14	1.296		28
	U(e)	#15	19	0.991		30	A7(e)	#15	8	2.058		26
REINFORCEMENT BARS (EPOXY COATED)							REINFORCEMENT BARS (EPOXY COATED)					
BAR SPLICER							BAR SPLICER					
F & E STRUCTURAL STEEL							F & E STRUCTURAL STEEL					
CONCRETE STRUCTURES							CONCRETE STRUCTURES					



SN 038-0147 (SB)

DECK SLAB REPAIR





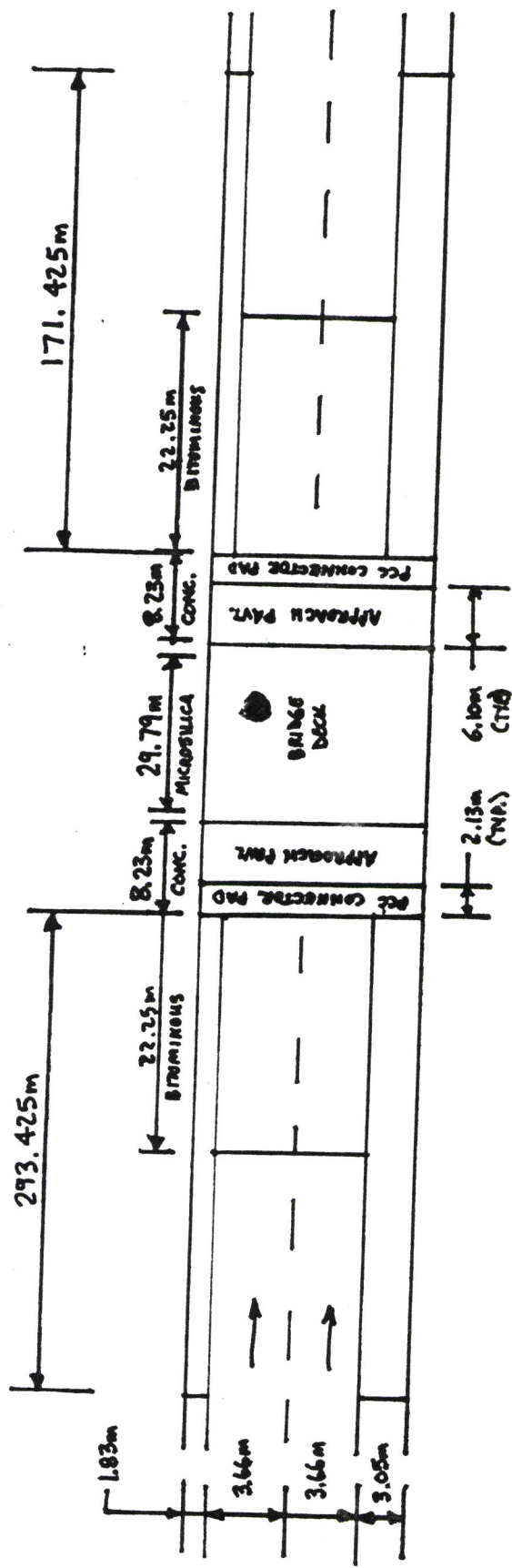
SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs.
 These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay.
 20 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0147.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0147(S.B.)

SN 038-0148 (NB)



STRUCTURE QUANTITIES

BRIDGE APPR. PAVT. (SPECIAL)	149 m ²
BRIDGE APPR. PAVT. CONNECTOR (PCC)	52 m ²
BRIDGE DECK GROOVING	564.4 m ²
BRIDGE DECK MICROSILICA OVERLAY	363.5 m ²
BRIDGE SCABRICATION	363.5 m ²
CONCRETE PAVT. SCABRICATION	325.8 m ²
BIT. CONC. SURF. CSE. MIX D, CLASS I, TT I	50 MTON
BITUMINOUS SURFACE REM 40 mm	325.8 m ²
BITUMINOUS CONCRETE REM (DECK)	363.5 m ²

SHEET 18 OF 110

CONCRETE REMOVAL



**NOTE: ALL REINFORCEMENT BARS IN
CONCRETE REMOVAL AREA
SHALL BE REMOVAL**



SN 038-0148 (NB)

NORTH AND SOUTH ABUTMENTS

WINGWALL ELEV.



ROADWAY



PROPOSED ABUTMENT DETAILS

SN 038-0148 (NB)

NORTH AND SOUTH ABUTMENTS

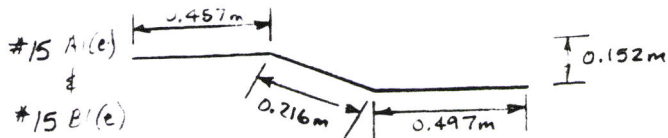
4-15 B₇(e) E.F.
@ 305 CTS
EACH WING
ORDER FULL
LENGTH

BEND IN FIELD
CUT TO FIT —

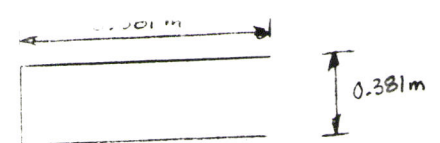
5-45 B₆(e)2 —
305 CTS E.F.
EACH WING
ORDER FULL
LENGTH AND
CUT TO FIT W

WINGWALL ELEV.

S.N. 038-0148 (NB)

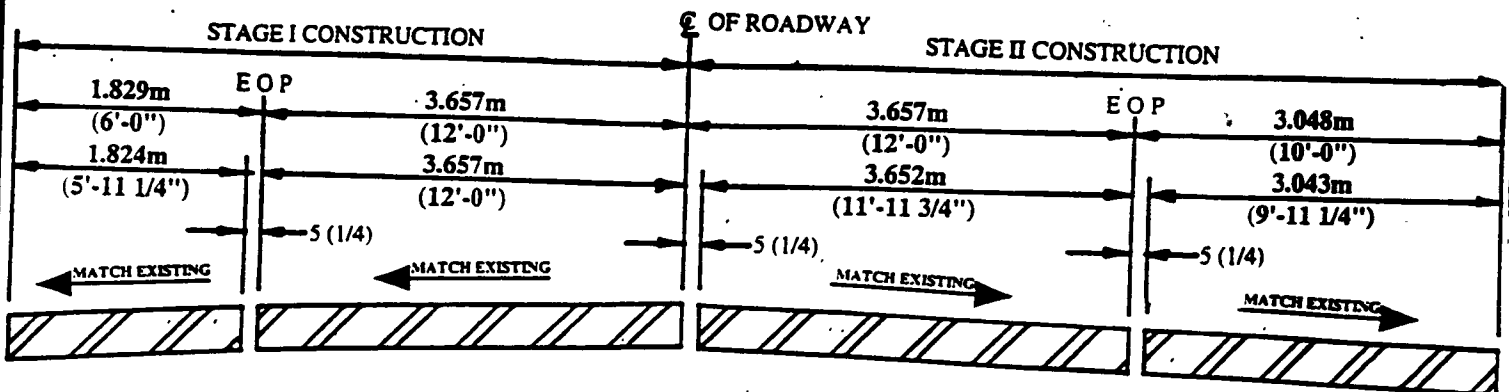
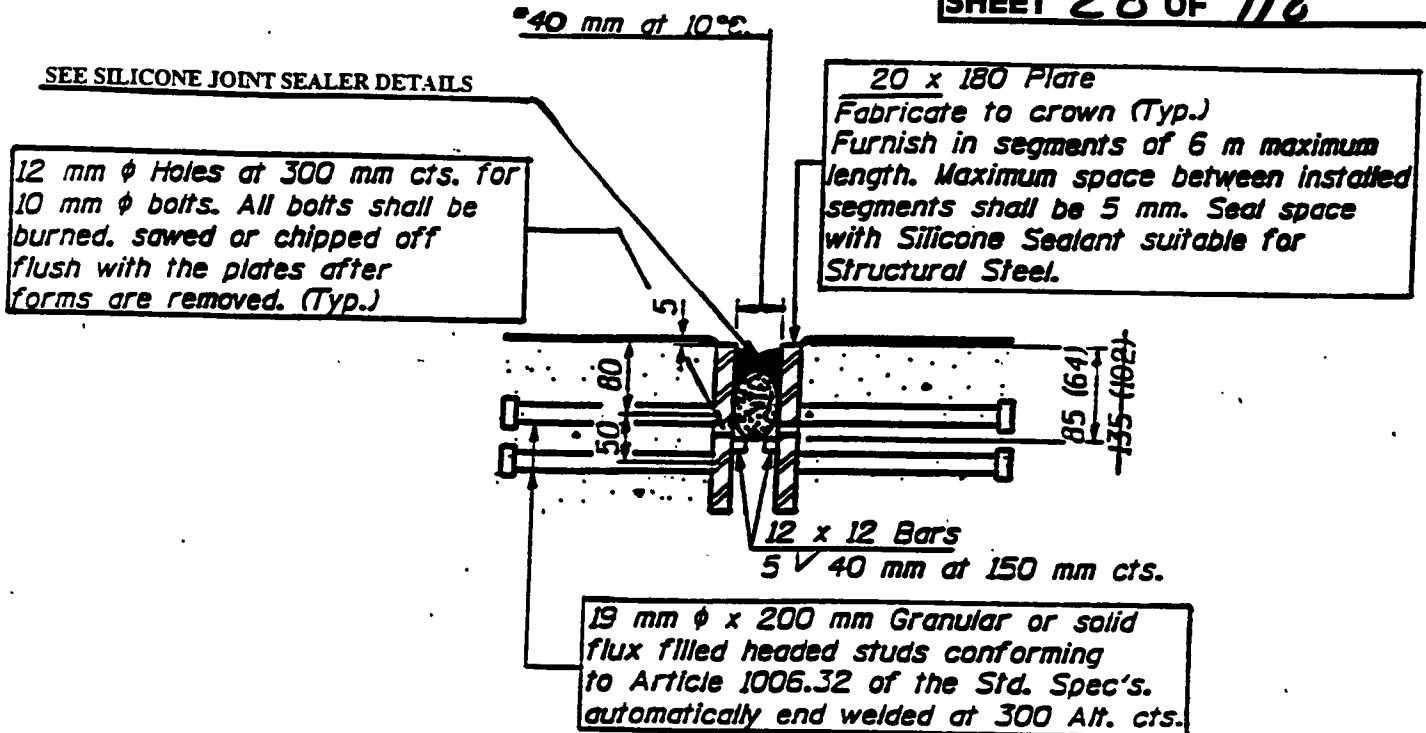


#15 U(e)



REINFORCEMENT SCHEDULE (CORRECTED)												
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION					
STRUCT. NUMBER	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg
SN 038-0148 (NB) NORTH ABUTMENT	B(e)	#15	19	1.187		35	B(e)	#15	22	1.187		41
	B1(e)	#15	19	1.170		35	B1(e)	#15	22	1.170		40
	B2(e)	#15	8	★ 5.406		68						
							B3(e)	#15	8	6.630		83
	B4(e)	#15	19	1.107		33	B4(e)	#15	22	1.107		38
	B5(e)	#15	6	1.524		14	B5(e)	#15	6	1.524		14
	B6(e)	#15	14	★ 1.338		29	B6(e)	#15	14	★ 1.338		29
	B7(e)	#15	8	★ 2.110		27	B7(e)	#15	8	★ 2.110		27
	U(e)	#15	19	0.991		30	U(e)	#15	22	0.991		34
SN 038-0148 (NB) SOUTH ABUTMENT	B(e)	#15	19	1.187		35	B(e)	#15	22	1.187		41
	B1(e)	#15	19	1.170		35	B1(e)	#15	22	1.170		40
	B2(e)	#15	8	★ 5.406		68						
							B3(e)	#15	8	6.630		83
	B4(e)	#15	19	1.107		33	B4(e)	#15	22	1.107		38
	B5(e)	#15	6	1.524		14	B5(e)	#15	6	1.524		14
	B6(e)	#15	14	★ 1.338		29	B6(e)	#15	14	★ 1.338		29
	B7(e)	#15	8	★ 2.110		27	B7(e)	#15	8	★ 2.110		27
	U(e)	#15	19	0.991		30	U(e)	#15	22	0.991		34
REINFORCEMENT BARS (EPOXY)						542	REINFORCEMENT BARS (EPOXY)					615

* NOTE: LENGTH WAS INCREASED.



NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) PARALLEL TO JOINT UNLESS OTHERWISE NOTED.

AFTER FABRICATION ALL SURFACES OF STEEL PLATES SHALL BE GIVEN ONE SHOP COAT OF PAINT SPECIFIED FOR STRUCTURAL STEEL. NO FIELD PAINTING WILL BE REQUIRED.

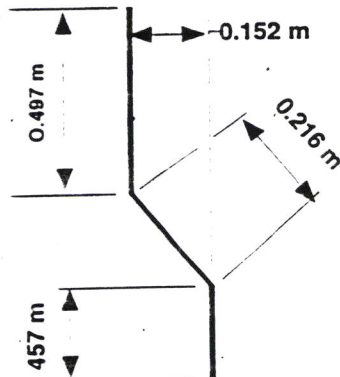
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK COMPLETED.

STRUCTURAL STEEL DETAILS

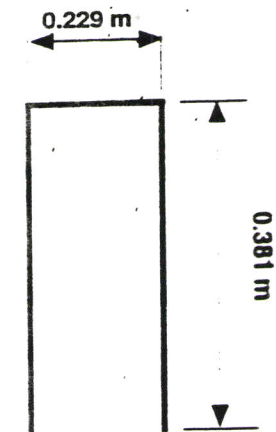
SN 038-0148 NORTH ABUTMENT
SN 038-0148 SOUTH ABUTMENT

REINFORCEMENT SCHEDULE

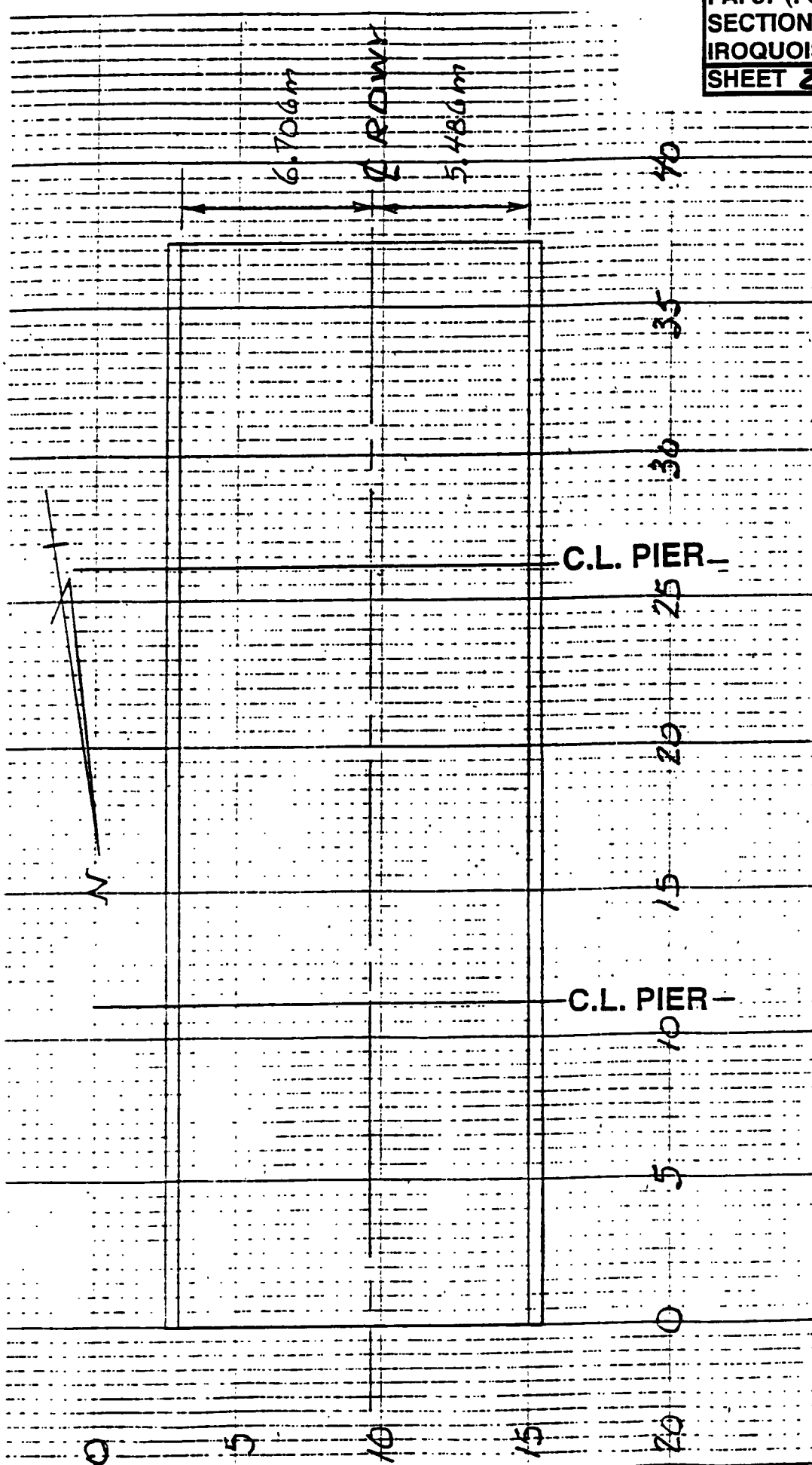
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
SN 038-0148(NB) NORTH ABUTMENT	B(e)	#15	19	1.187		35	B(e)	#15	22	1.187		41	
	B1(e)	#15	19	1.170		35	B1(e)	#15	22	1.170		40	
	B2(e)	#15	8	5.330		67							
	B4(e)	#15	19	1.107		33	B3(e)	#15	8	6.630		83	
	B5(e)	#15	6	1.524		14	B4(e)	#15	22	1.107		38	
	B6(e)	#15	14	1.296		28	B5(e)	#15	6	1.524		14	
	B7(e)	#15	8	2.058		26	B6(e)	#15	14	1.296		28	
	U(e)	#15	19	0.991		30	B7(e)	#15	8	2.058		26	
SN 038-0148(NB) SOUTH ABUTMENT	B(e)	#15	19	1.187		35	U(e)	#15	22	0.991		34	
	B1(e)	#15	19	1.170		35	B(e)	#15	22	1.187		41	
	B2(e)	#15	8	5.330		67	B1(e)	#15	22	1.170		40	
	B4(e)	#15	19	1.107		33							
	B5(e)	#15	6	1.524		14	B3(e)	#15	8	6.630		83	
	B6(e)	#15	14	1.296		28	B4(e)	#15	22	1.107		38	
	B7(e)	#15	8	2.058		26	B5(e)	#15	6	1.524		14	
	U(e)	#15	19	0.991		30	B6(e)	#15	14	1.296		28	
REINFORCEMENT BARS (EPOXY COATED)							536	REINFORCEMENT BARS (EPOXY COATED)					608
BAR SPLICER							8	BAR SPLICER					8
F & E STRUCTURAL STEEL							341	F & E STRUCTURAL STEEL					341
CONCRETE STRUCTURES							5.2	CONCRETE STRUCTURES					5.2



#15 B1(e)



#15 U(e)

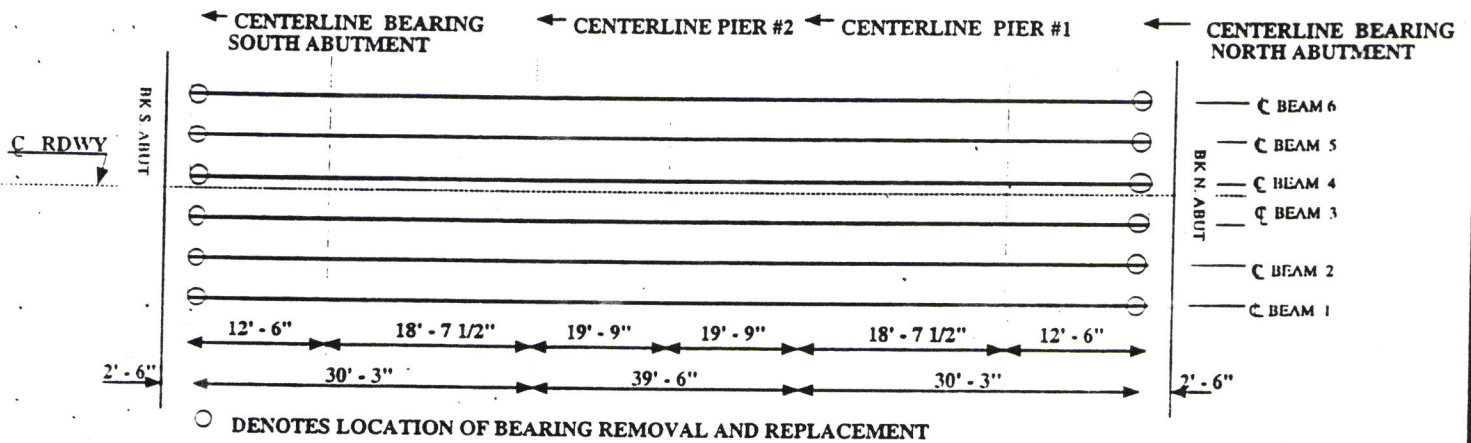


SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs. These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay. 20 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0148.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0148(N.B.)



FRAMING PLAN SN 038 - 0148

INTERIOR GIRDER REACTION TABLE SN 038 - 0148			
		NORTH ABUT.	SOUTH ABUT.
DEAD LOAD	(KIPS)	11.5	11.5
LIVE LOAD	(KIPS)	28.6	28.6
IMPACT	(KIPS)	8.5	8.5
TOTAL REACTION	(KIPS)	48.6	48.6

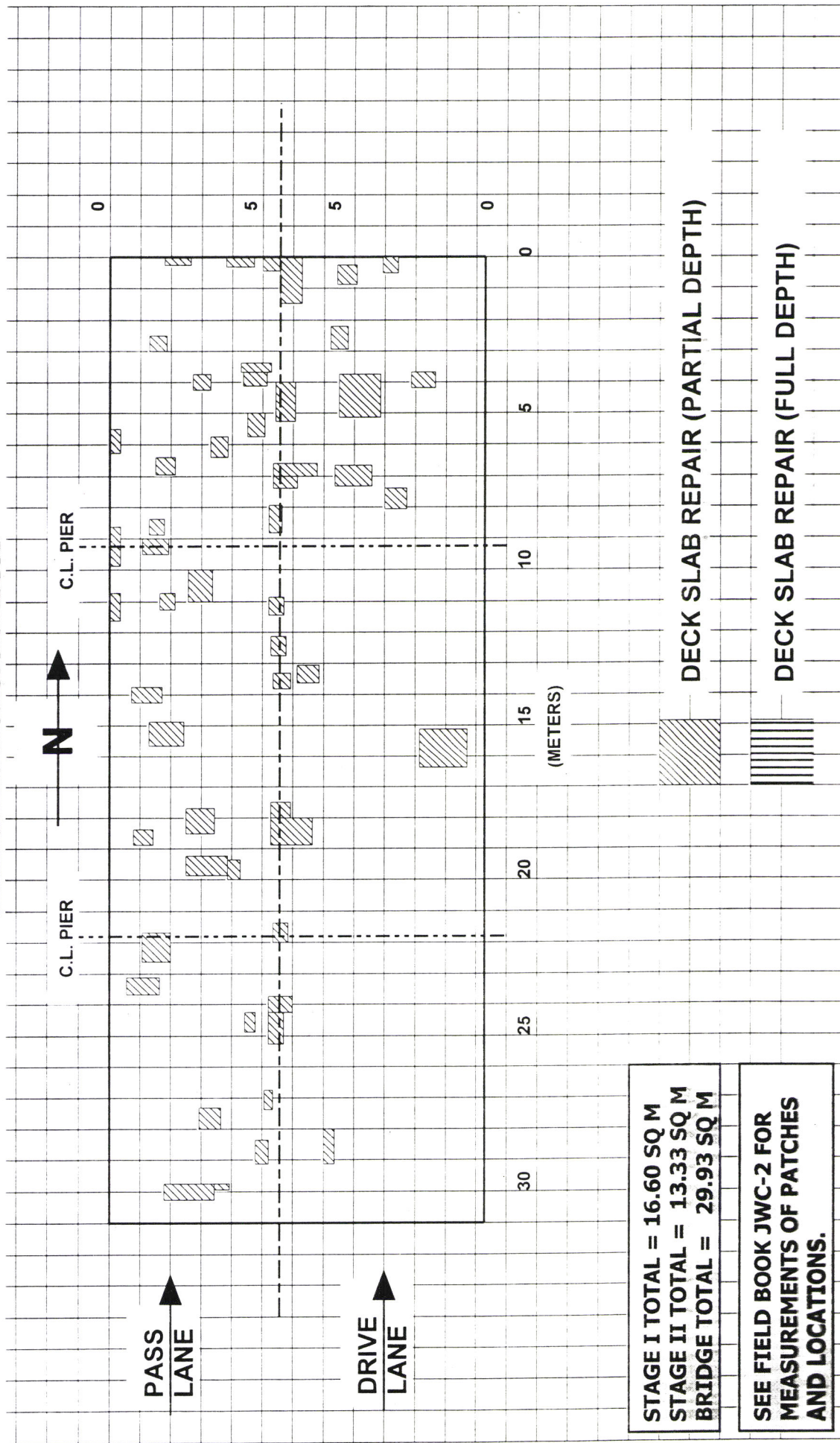
REQUIRED SHIMS SN 038 - 0148		
	NORTH ABUT.	SOUTH ABUT.
GIRDER 1	-	-
GIRDER 2	-	-
GIRDER 3	-	-
GIRDER 4	1/4"	1/4"
GIRDER 5	3/8"	3/8"
GIRDER 6	-	-

NOTES:

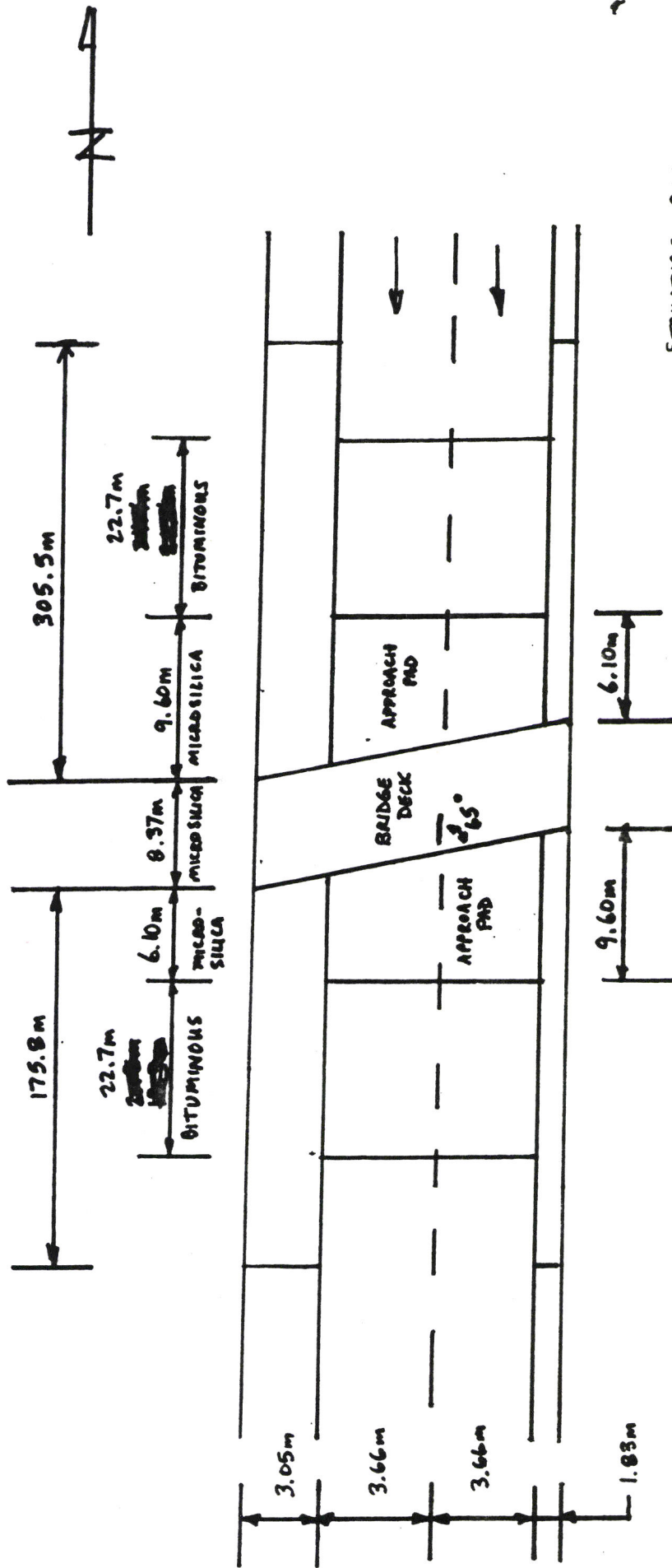
All Bearing Details are in English Units
Additional Shim Plates if required will be placed as directed by the Engineer.
New bearings shall be ELASTOMERIC TYPE I with Steel Pedestal.
See ELASTOMERIC BEARING TYPE I /w PEDESTAL DETAILS

SN 038-0148 (NB)

DECK SLAB REPAIR

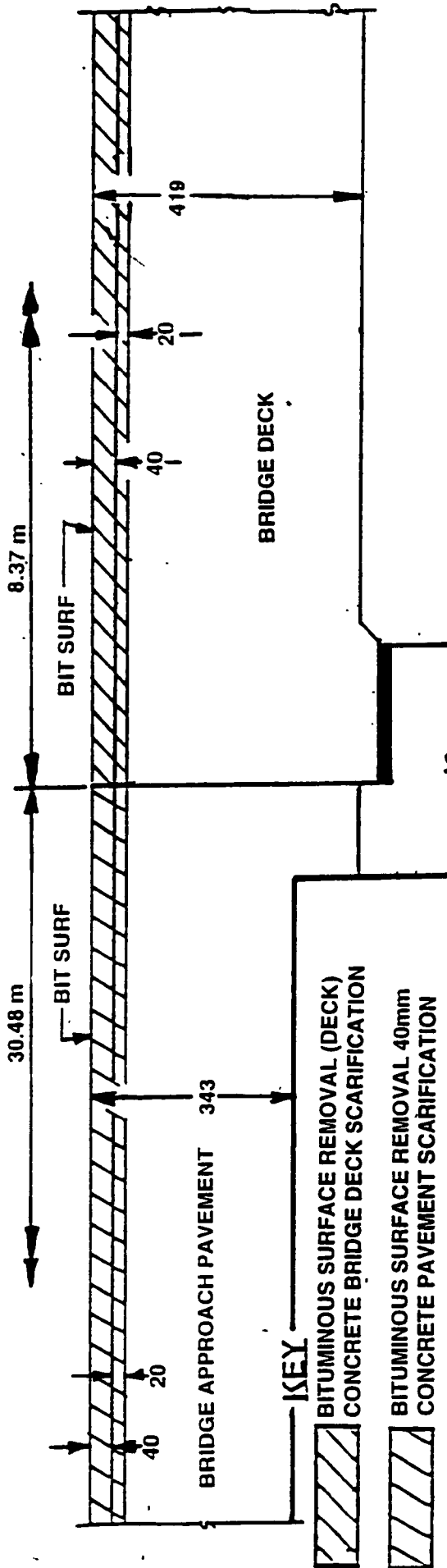


SN 038-0149 (SB)

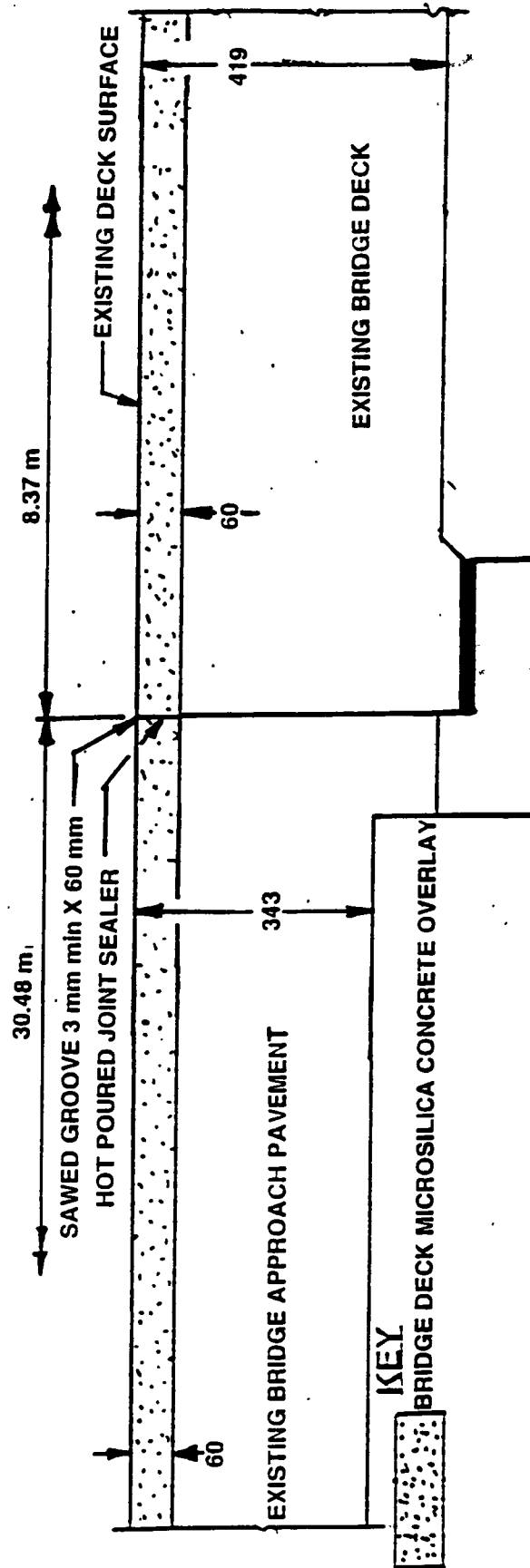


STRUCTURE QUANTITIES

BRIDGE DECK GROUTING	217.0 m ²
BRIDGE DECK MICRO-SILICA OVERLAY	217.0 m ²
BRIDGE SCARIFICATION	102.2 m ²
CONCRETE PAVEMENT SCARIFICATION	447.3 m ²
BIT. CONC. SURF. CSE, MIX B, C, E, TYL	50 TONS
BITUMINOUS SURF. REMOVAL 40 MM	447.3 m ²
BITUMINOUS CONCRETE REMOVAL DECK	102.2 m ²



EXISTING SECTION AT ABUTMENTS
SN 038-0149 (SB)
NORTH AND SOUTH ABUTMENTS



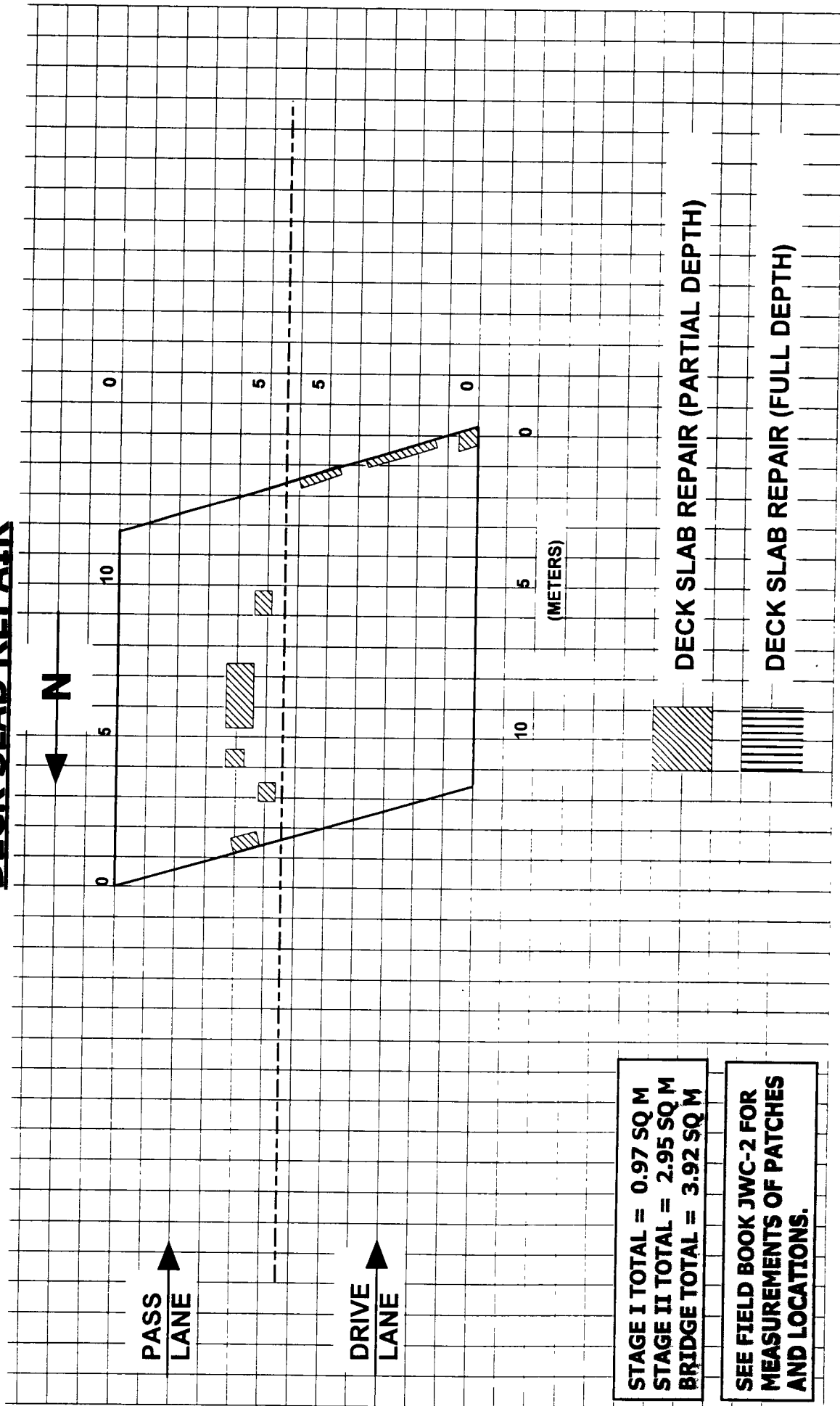
PROPOSED SECTION AT ABUTMENTS
SN 038-0149 (SB)
NORTH AND SOUTH ABUTMENTS

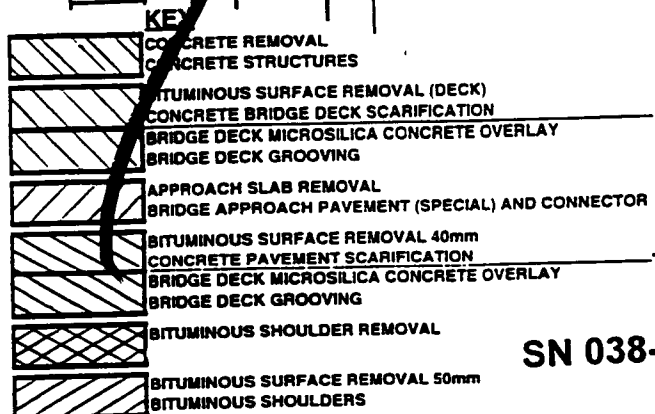
SHEET 23 OF 110



SN 038-0149 (SB)

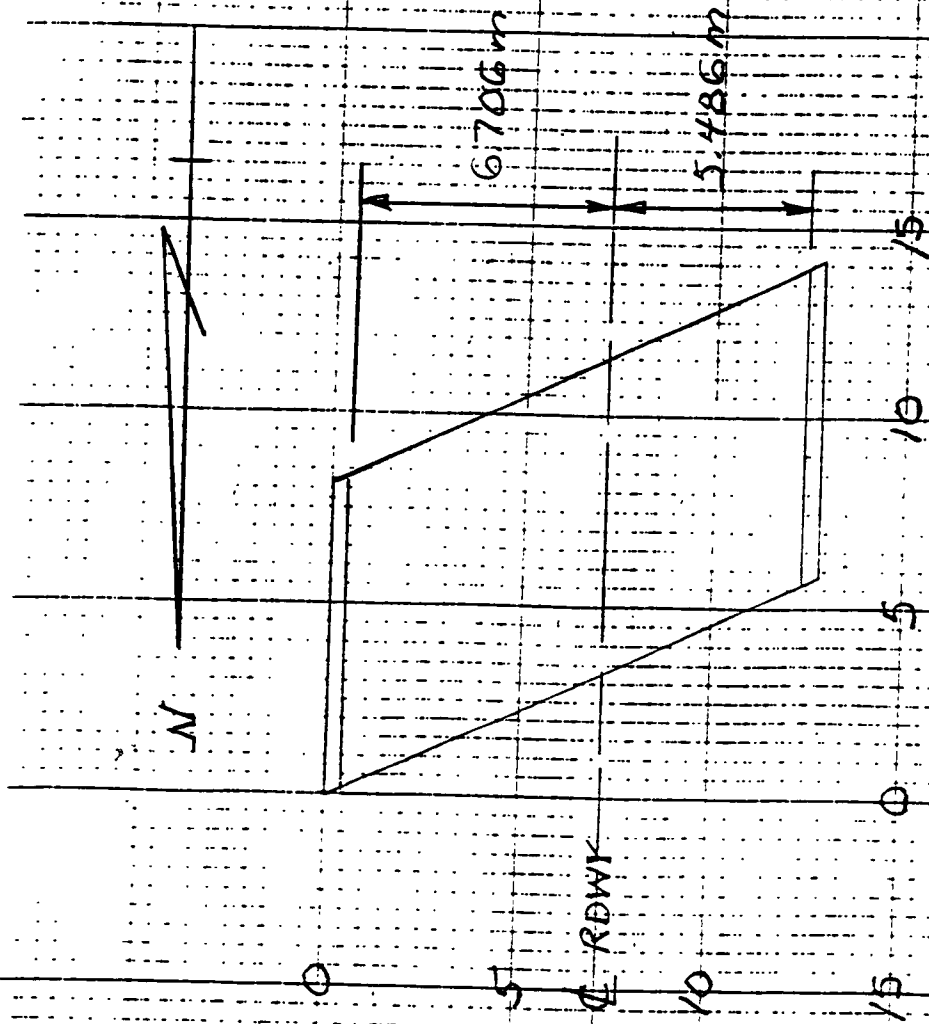
DECK SLAB REPAIR





	AC GRADE	MAX % RAP** ALLOWABLE	DESIGN AIR VOIDS
MIX			
SHOULDER	AC-10	30%	2.0%

SN 038-0151 (SB)



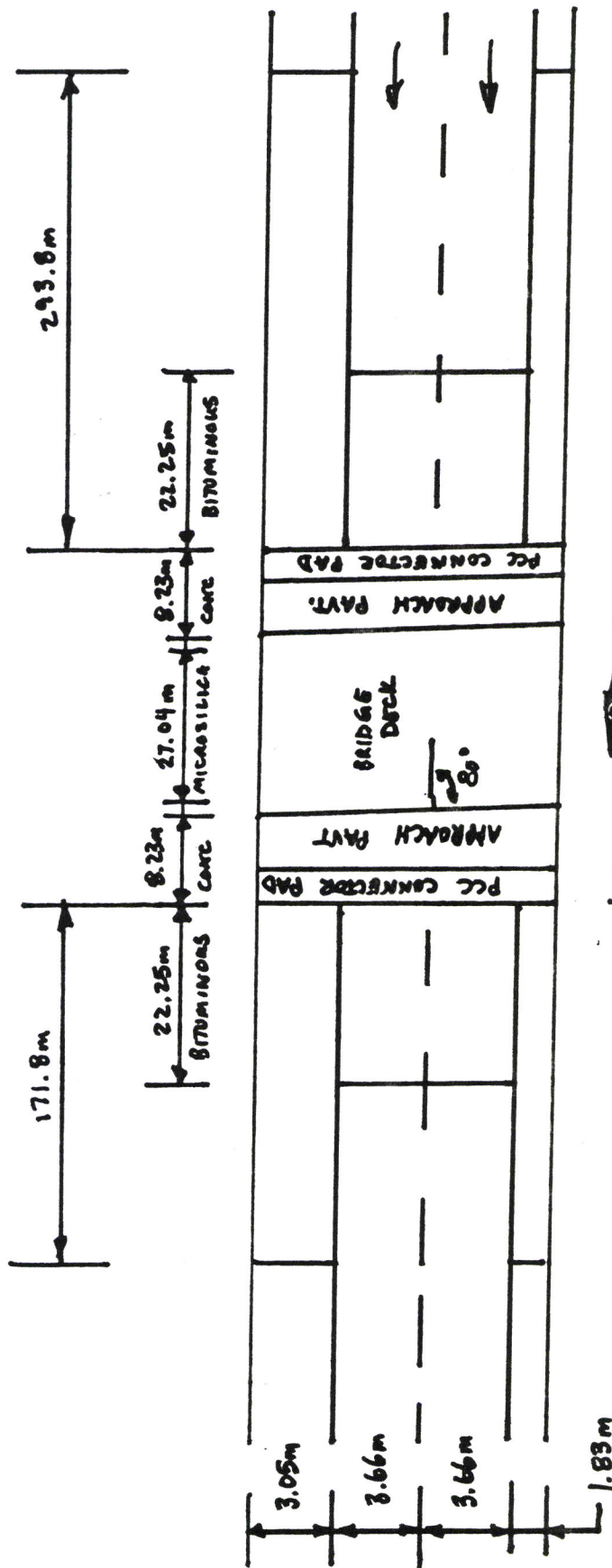
SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs. These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay. 6 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0149.

PARTIAL DEPTH DECK REPAIR RECORD

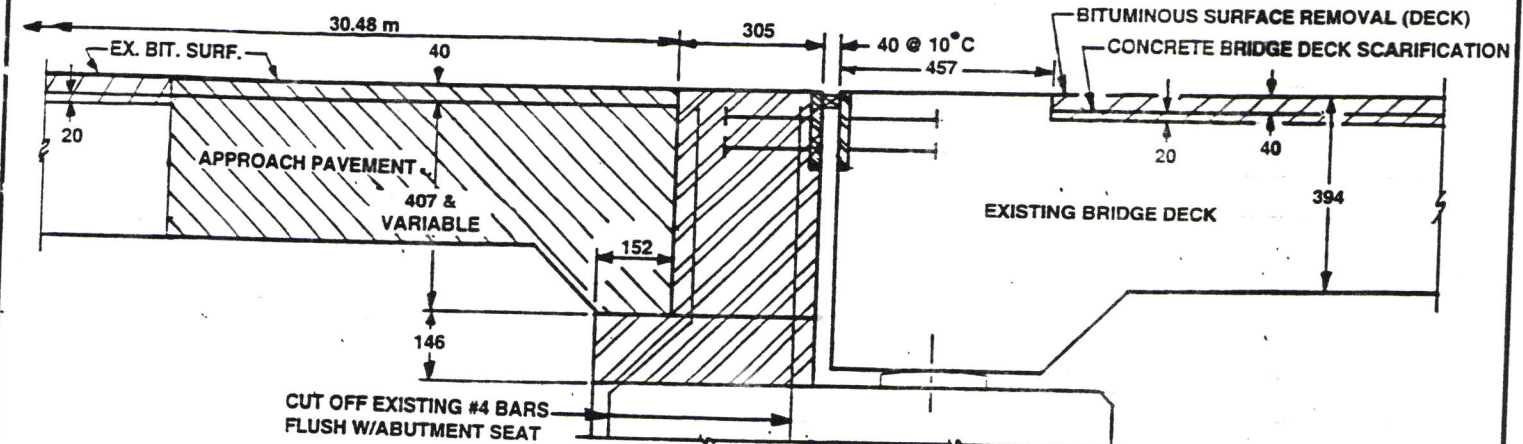
S.N. 038-0149(SB)

5N 038-0151 (SB)

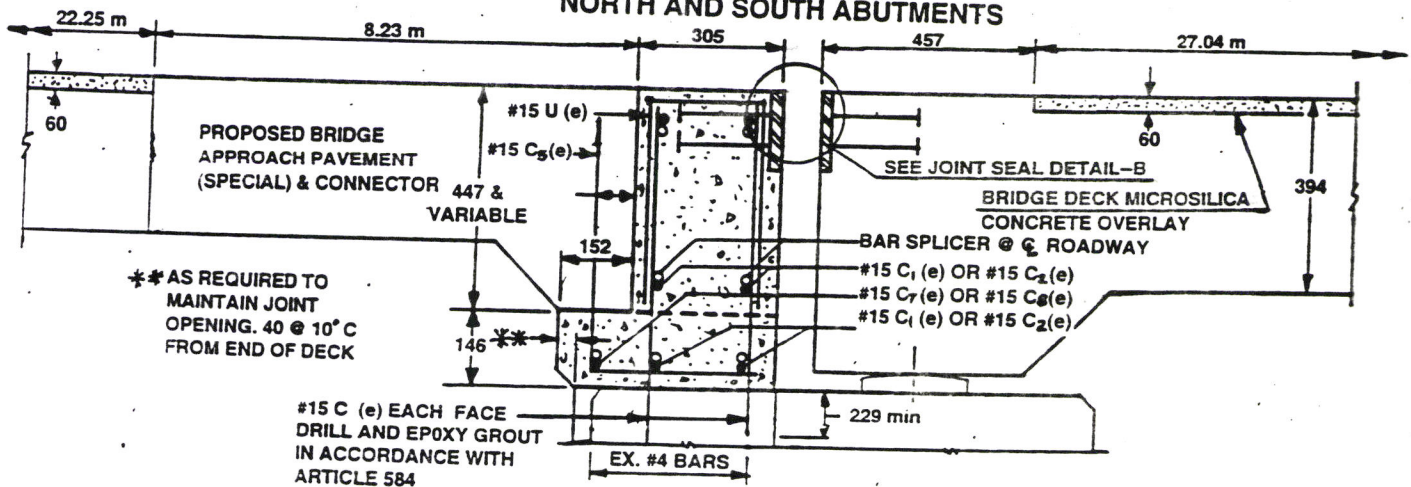


STRUCTURE QUANTITIES

BRIDGE APPROACH PAVEMENT (SPECIAL)	149m ²
BRIDGE APPROACH PAVT. CONNECTOR (PCC)	52m ²
BRIDGE DECK GROOVING	531m ²
BRIDGE DECK MICROSIDICA OVERLAY	330m ²
BRIDGE SCARIFICATION	330m ²
CONCRETE PAVEMENT SCARIFICATION	325.8m ²
BIT. CONC. SUPP. LSE. MIX'D, CLASS 2, TYPE 1	50 MTON
BITUMINOUS SURFACE REMOVAL 40 MM	325.8m ²
BITUMINOUS CONCRETE RUM (DECK)	330m ²



EXISTING SECTION AT ABUTMENTS
SN 038-0151 (SB)
NORTH AND SOUTH ABUTMENTS

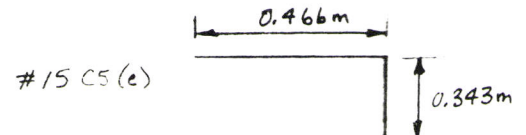
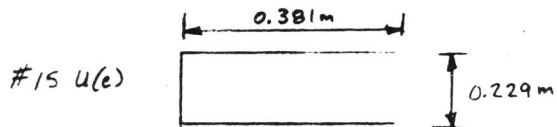


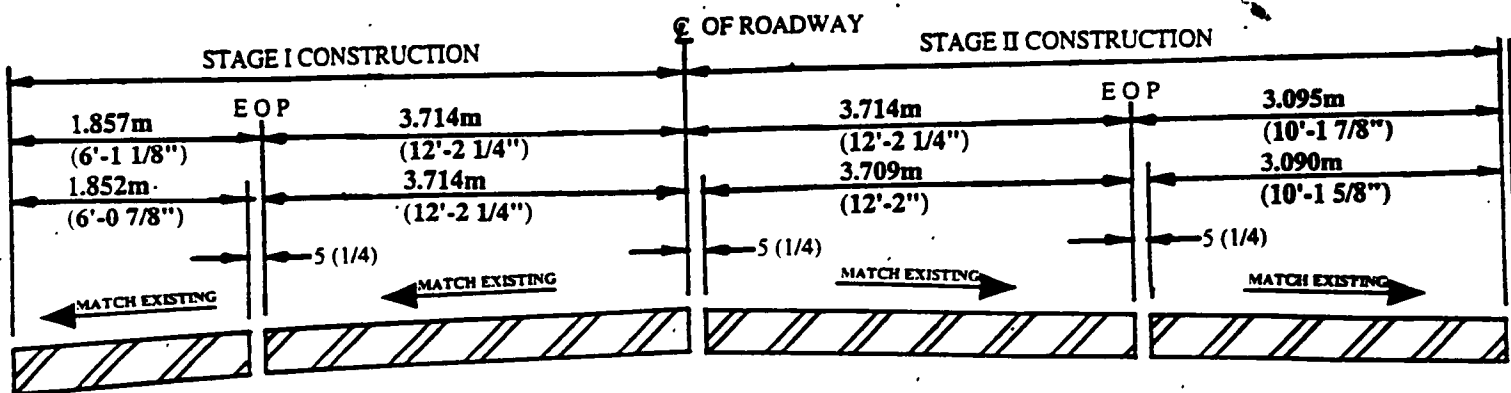
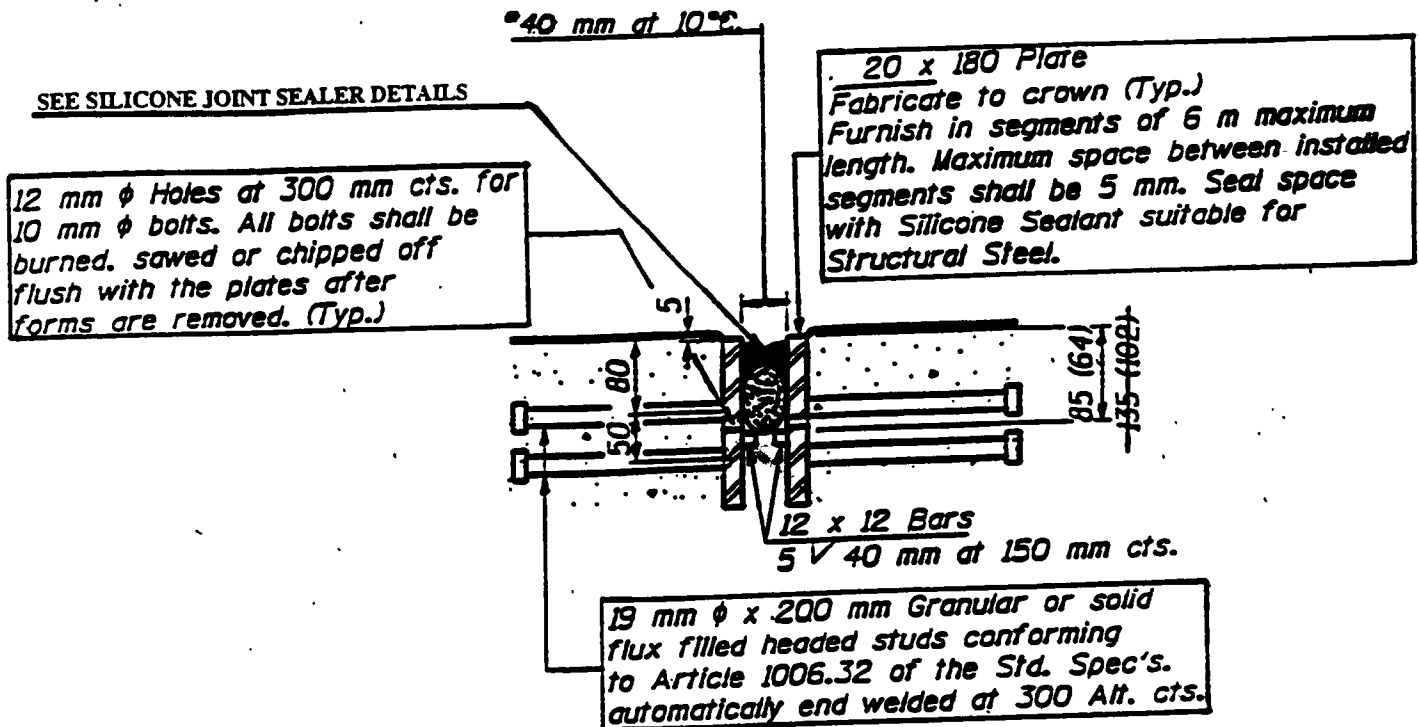
PROPOSED SECTION AT ABUTMENTS
SN 038-0151 (SB)
NORTH AND SOUTH ABUTMENTS

KEY	
	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING

REINFORCEMENT SCHEDULE (CORRECTED)

STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
STRUCT. NUMBER	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	
SN 038-0151 (SB) NORTH ABUTMENT													
	C(e)	#15	38	✱ 0.796	————	47	C(e)	#15	44	✱ 0.796	————	55	
	C1(e)	#15	6	5.886	————	55							
							C2(e)	#15	6	7.220	————	68	
	C3(e)	#15	8	1.753	————	22	C3(e)	#15	8	1.753	————	22	
	C4(e)	#15	6	1.524	————	14	C4(e)	#15	6	1.524	————	14	
	C5(e)	#15	19	0.809	————	24	C5(e)	#15	22	0.809	————	28	
	C6(e)	#15	12	1.753	————	33	C6(e)	#15	12	1.753	————	33	
	C7(e)	#15	1	5.886	————	9	C7(e)	#15	1	7.220	————	11	
U(e)	#15	19	0.991	————	30	U(e)	#15	22	0.991	————	34		
SN 038-0151 (SB) SOUTH ABUTMENT													
	C(e)	#15	38	✱ 0.796	————	47	C(e)	#15	44	✱ 0.796	————	55	
	C1(e)	#15	6	5.886	————	55							
							C2(e)	#15	6	7.220	————	68	
	C3(e)	#15	8	1.753	————	22	C3(e)	#15	8	1.753	————	22	
	C4(e)	#15	6	1.524	————	14	C4(e)	#15	6	1.524	————	14	
	C5(e)	#15	19	0.809	————	24	C5(e)	#15	22	0.809	————	28	
	C6(e)	#15	12	1.753	————	33	C6(e)	#15	12	1.753	————	33	
	C7(e)	#15	1	5.886	————	9	C7(e)	#15	1	7.220	————	11	
U(e)	#15	19	0.991	————	30	U(e)	#15	22	0.991	————	34		
REINFORCEMENT BARS (EPOXY)						471	REINFORCEMENT BARS (EPOXY)						532





NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) PARALLEL TO JOINT UNLESS OTHERWISE NOTED.

AFTER FABRICATION ALL SURFACES OF STEEL PLATES SHALL BE GIVEN ONE SHOP COAT OF PAINT SPECIFIED FOR STRUCTURAL STEEL. NO FIELD PAINTING WILL BE REQUIRED.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK COMPLETED.

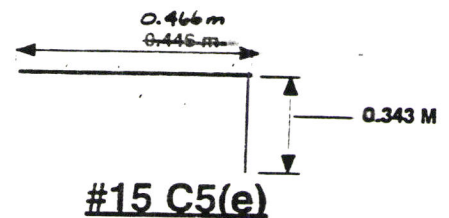
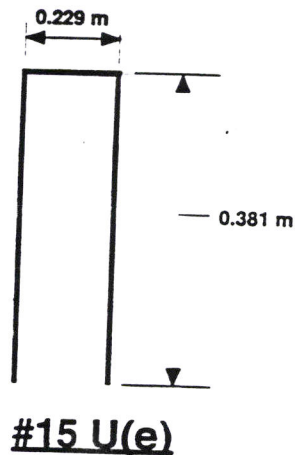
STRUCTURAL STEEL DETAILS

SN 038-0151 NORTH ABUTMENT
SN 038-0151 SOUTH ABUTMENT

S.N. 038-0151 (SB)

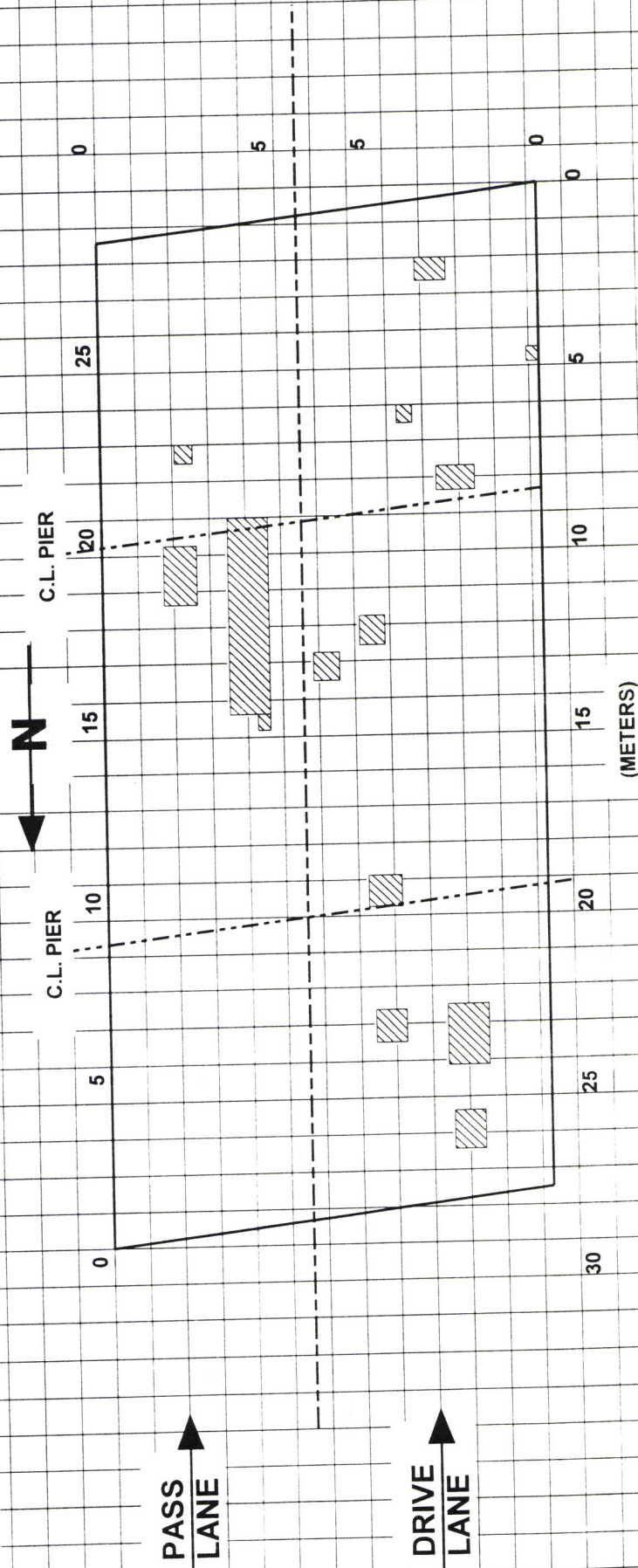
REINFORCEMENT SCHEDULE

S.N.	BAR	SIZE	NO.	LENGTH	SHAPE	WEIGHT	BAR	SIZE	NO.	LENGTH	Kg/M	SHAPE	WEIGHT
				METER		Kg				METER			Kg
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
SN 038-0151(SB) NORTH ABUTMENT	C(e)	#15	38	0.733	—	44	C(e)	#15	44	0.733	1.570	—	51
	C1(e)	#15	6	5.886	—	55	C2(e)	#15	6	7.220	1.570	—	68
	C3(e)	#15	8	1.753	—	22	C3(e)	#15	8	1.753	1.570	—	22
	C4(e)	#15	6	1.524	—	14	C4(e)	#15	6	1.524	1.570	—	14
	C5(e)	#15	19	0.809	—	24	C5(e)	#15	22	0.809	1.570	—	28
	C6(e)	#15	12	1.753	—	33	C6(e)	#15	12	1.753	1.570	—	33
	C7(e)	#15	1	5.886	—	9	C8(e)	#15	1	7.220	1.570	—	11
	U(e)	#15	19	0.991	—	30	U(e)	#15	22	0.991	1.570	—	34
SN 038-0151(SB) SOUTH ABUTMENT	C(e)	#15	38	0.733	—	44	C(e)	#15	44	0.733	1.570	—	51
	C1(e)	#15	6	5.886	—	55	C2(e)	#15	6	7.220	1.570	—	68
	C3(e)	#15	8	1.753	—	22	C3(e)	#15	8	1.753	1.570	—	22
	C4(e)	#15	6	1.524	—	14	C4(e)	#15	6	1.524	1.570	—	14
	C5(e)	#15	19	0.809	—	24	C5(e)	#15	22	0.809	1.570	—	28
	C6(e)	#15	12	1.753	—	33	C6(e)	#15	12	1.753	1.570	—	33
	C7(e)	#15	1	5.886	—	9	C8(e)	#15	1	7.220	1.570	—	11
	U(e)	#15	19	0.991	—	30	U(e)	#15	22	0.991	1.570	—	34
REINFORCEMENT BARS (EPOXY COATED)							REINFORCEMENT BARS (EPOXY COATED)						
BAR SPLICER							BAR SPLICER						
F & E STRUCTURAL STEEL							F & E STRUCTURAL STEEL						
CONCRETE STRUCTURES							CONCRETE STRUCTURES						



SN 038-0151 (SB)

DECK SLAB REPAIR

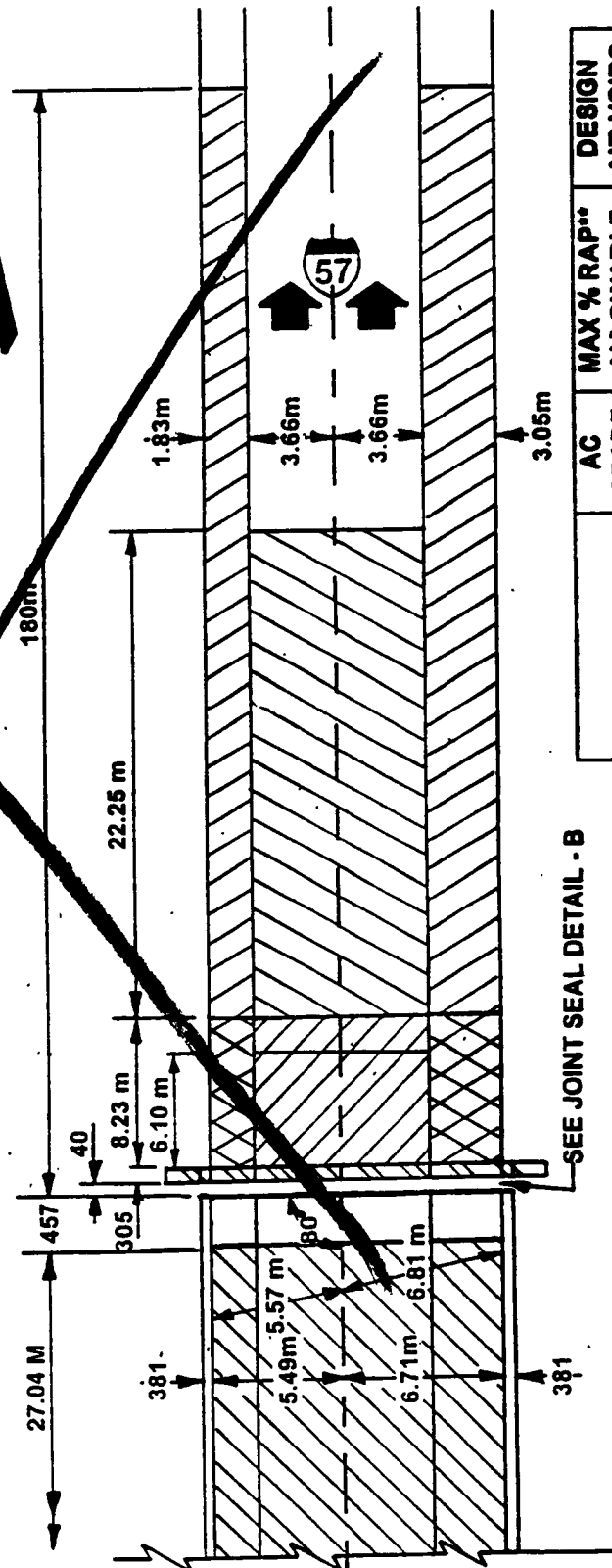
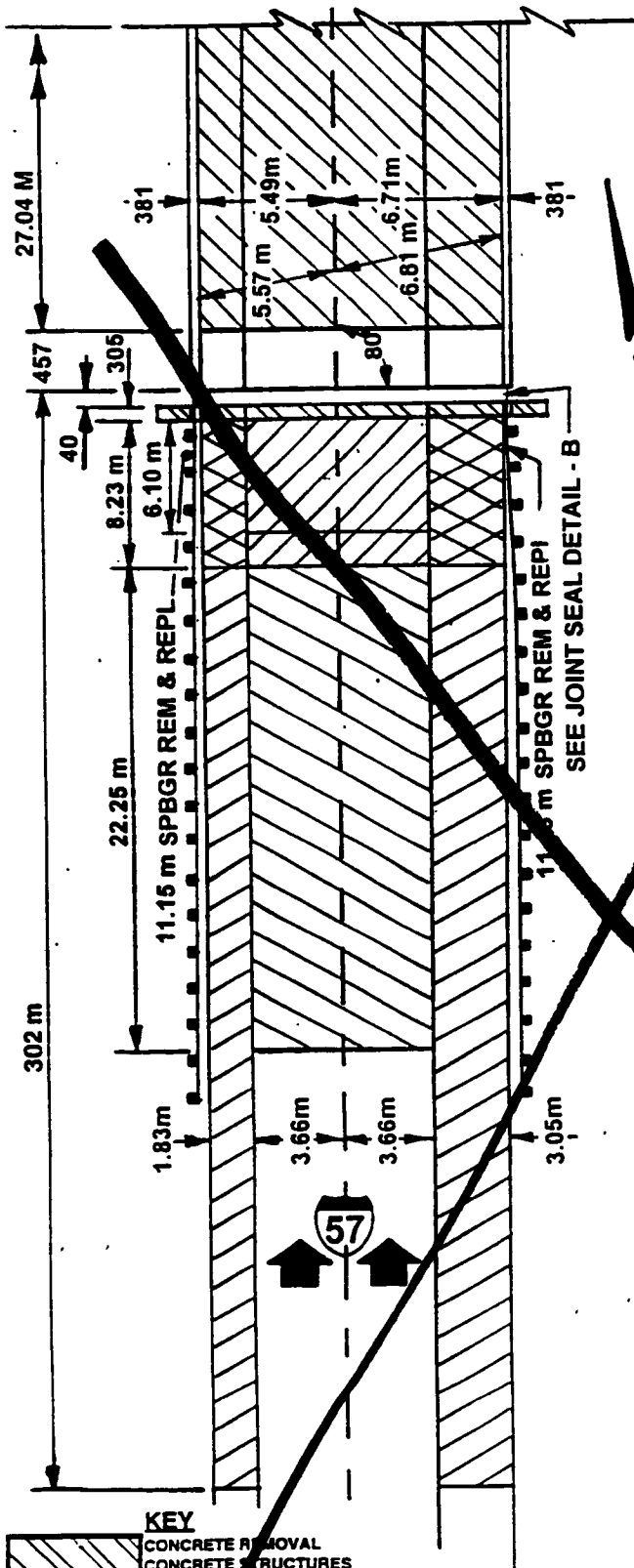


STAGE I TOTAL = 6.32 SQ M
 STAGE II TOTAL = 7.01 SQ M
 BRIDGE TOTAL = 13.33 SQ M

SEE FIELD BOOK JWC-2 FOR
 MEASUREMENTS OF PATCHES
 AND LOCATIONS.

DECK SLAB REPAIR (PARTIAL DEPTH)

DECK SLAB REPAIR (FULL DEPTH)



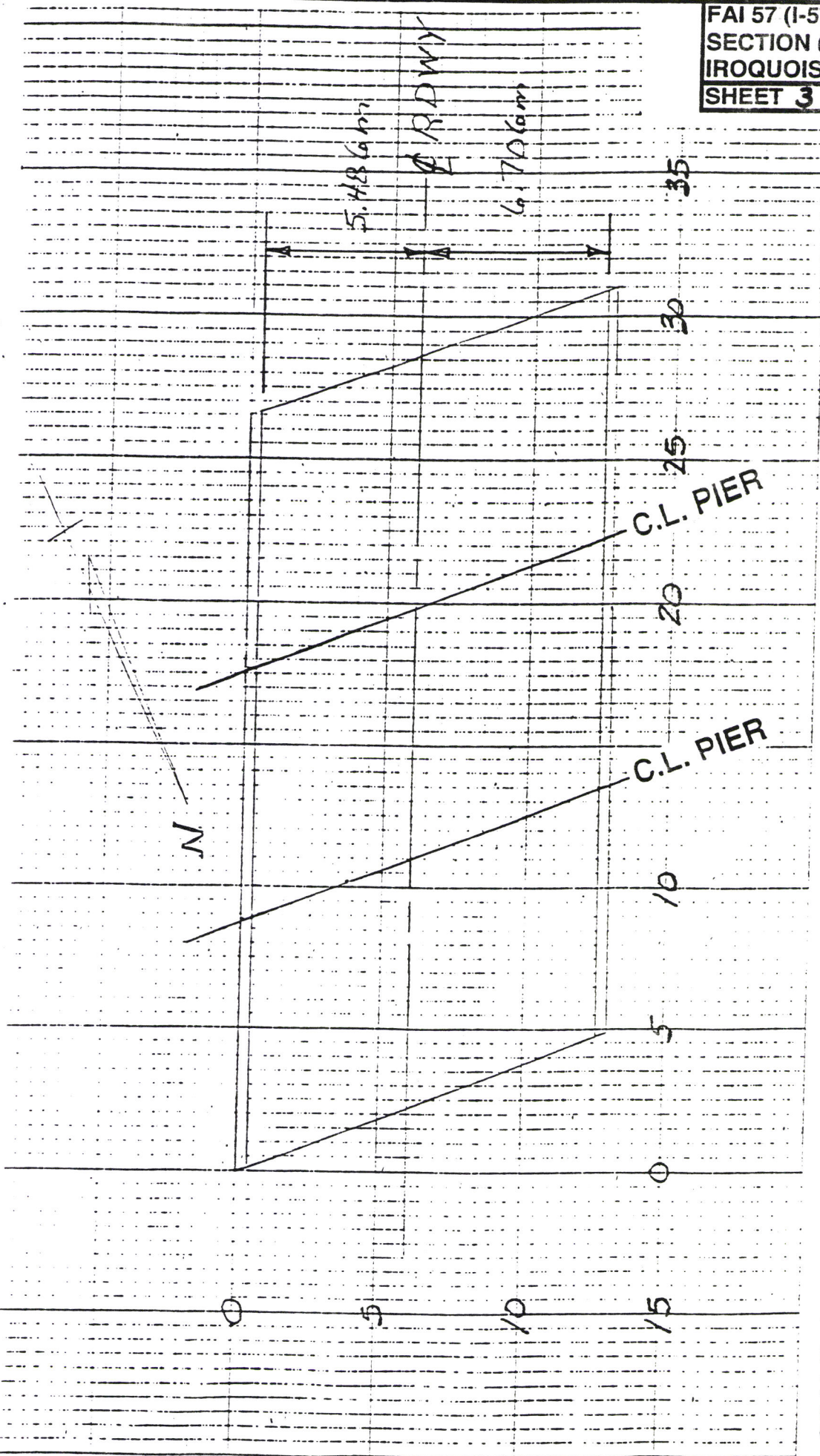
MIX	AC	MAX % RAP**	DESIGN
SHOULDER	AC-10	30%	AIR VOIDS 2.0%

KEY

	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	BITUMINOUS SHOULDER REMOVAL
	BITUMINOUS SURFACE REMOVAL 50mm
	BITUMINOUS SHOULDERS

SN 038-0152 (NB)

SN 038-0152 (NB)



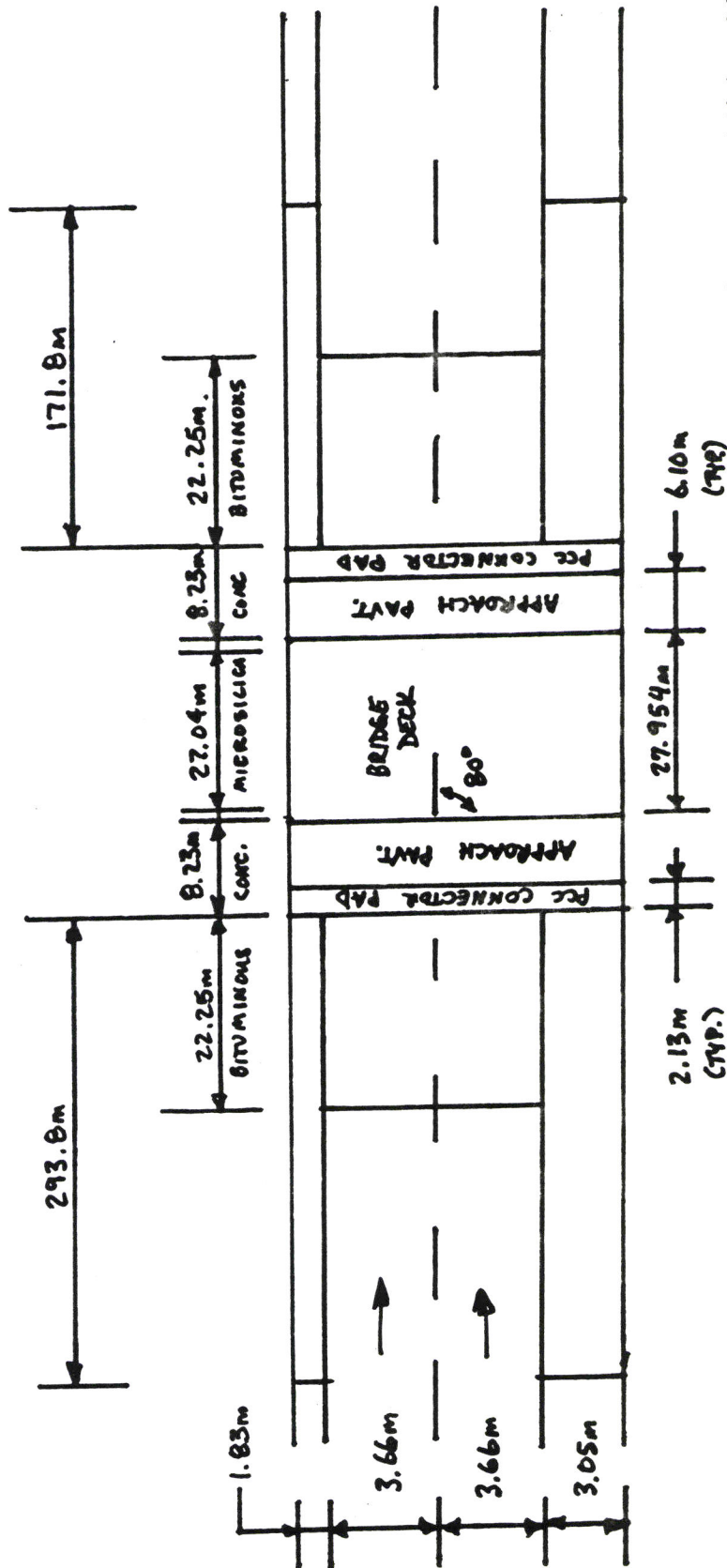
SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs.
These repairs shall be performed after Bridge Deck Scarification and prior to Microsilica Overlay.
18 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0151.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0151(SB)

SN 038-0152 (NB)



STRUCTURE QUANTITIES

BRIDGE APPROACH PAVT (SPECIAL)	149 m ²
BRIDGE APPROACH PAVT. CONNECTOR (PCC)	52 m ²
BRIDGE DECK GROOVING	531 m ²
BRIDGE DECK MICROSILICA OVERLAY	330 m ²
BRIDGE SCRAFFICATION	330 m ²
CONCRETE PAVEMENT SCRAFFICATION	325.8 m ²
BIT CONC SURF CSE, MIX D, CLI, TY 1	50 MTON
BITUMINOUS SURFACE REM 40mm	325.8 m ²
BITUMINOUS CONCRETE REM (DECK)	330 m ²

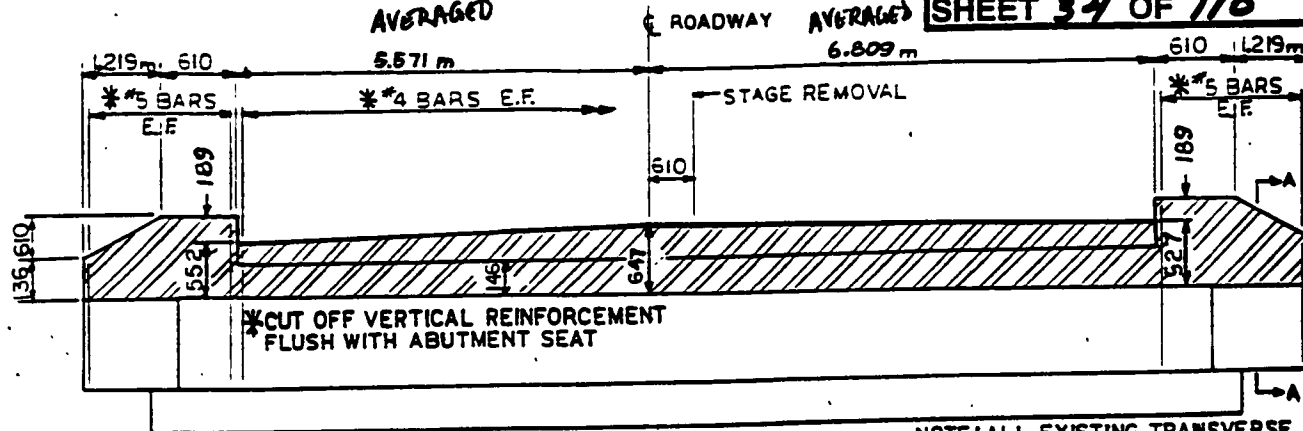
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6.728

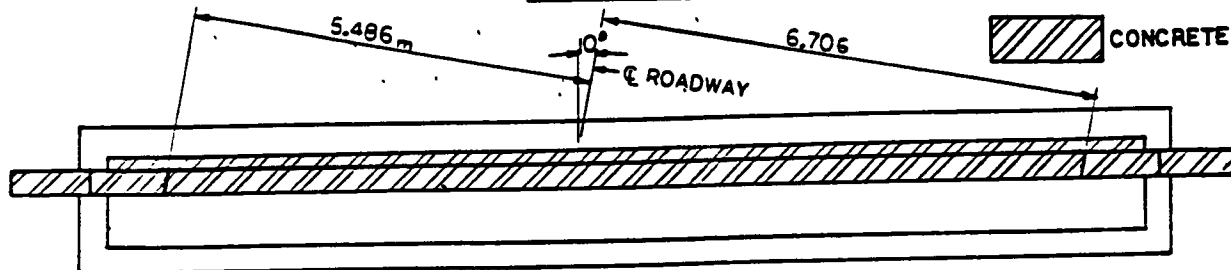
6.887

N & S
AVERAGEDN & S
AVERAGED

FAI 57(1-57)
SECTION (38-8B,7B-1,7B,6B-1,6B)
IROQUOIS COUNTY
SHEET 34 OF 110



ELEVATION

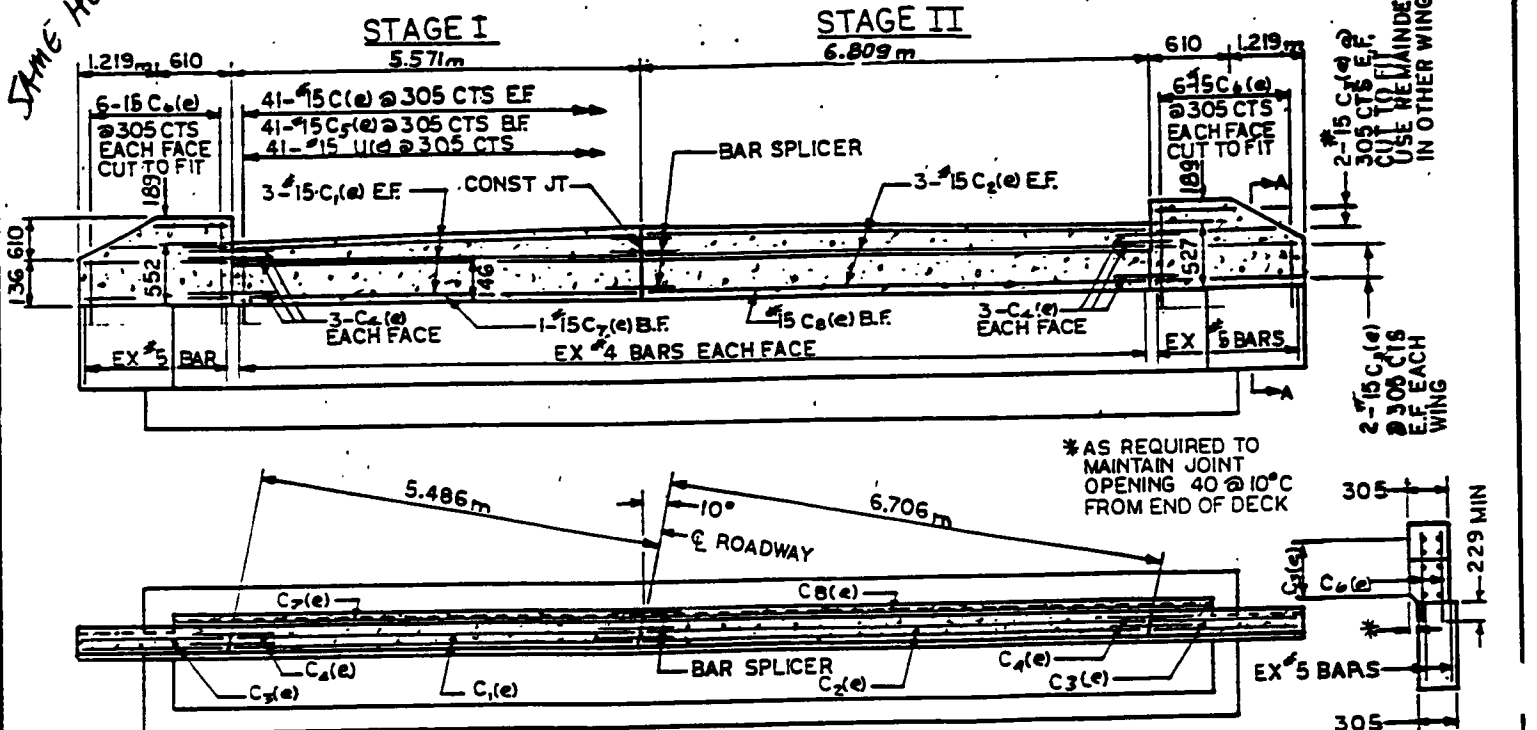
NOTE: ALL EXISTING TRANSVERSE
REINFORCEMENT SHALL BE REMOVED

PLAN

SECTION A-A

EXISTING ABUTMENT DETAILS
SN 038-0152 (NB)
NORTH AND SOUTH ABUTMENTS

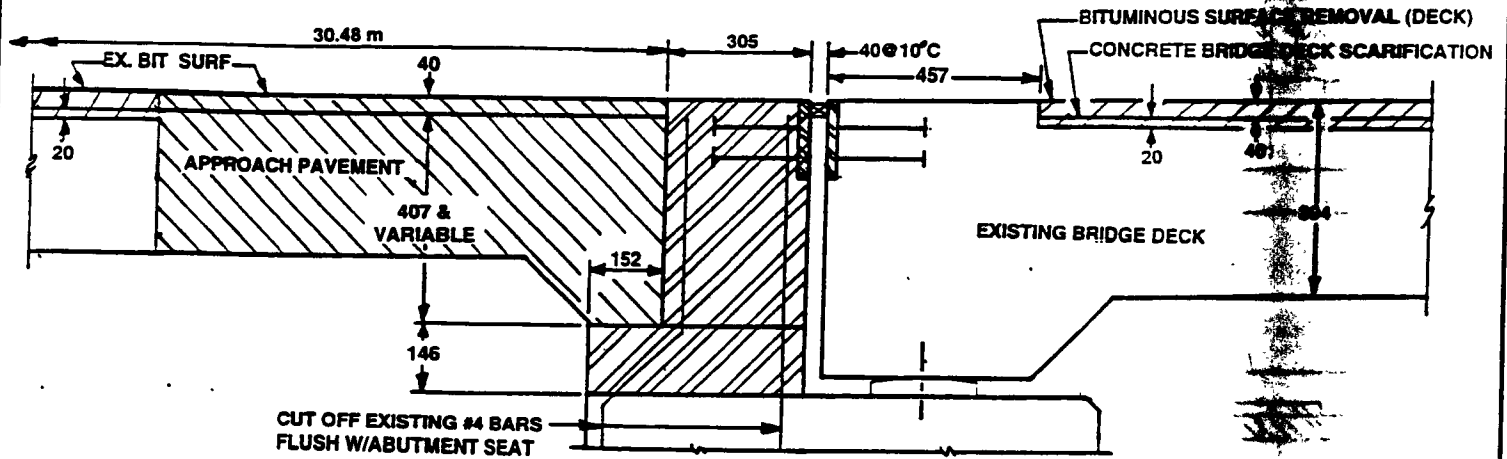
SAME HEIGHT



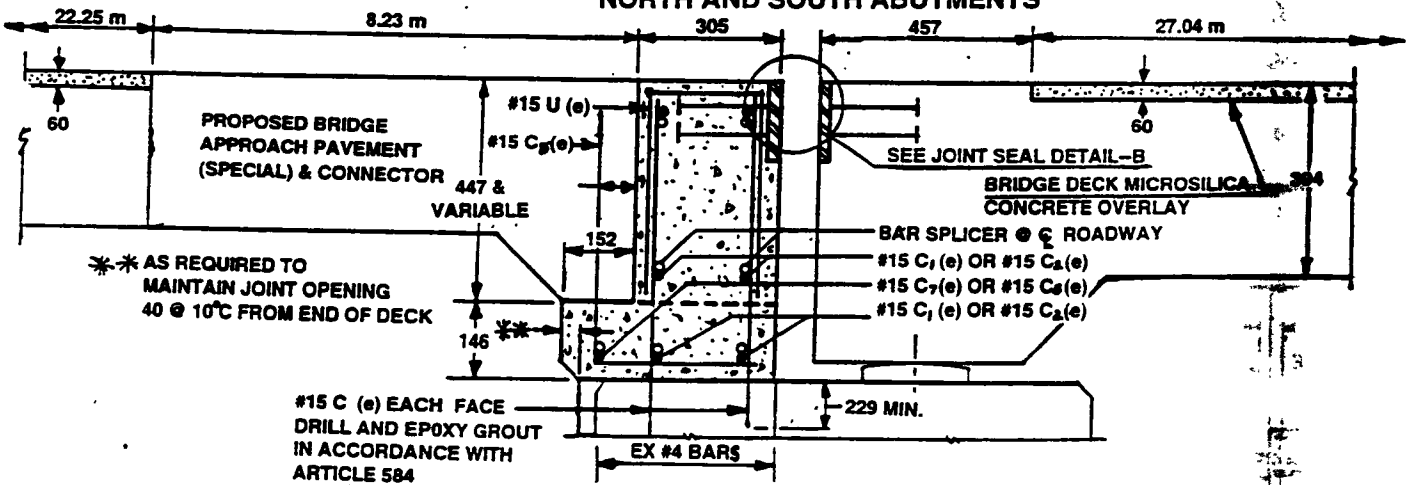
PROPOSED ABUTMENT DETAILS:
SN 038-0152 (NB)
NORTH AND SOUTH ABUTMENTS

SECTION A-A

SN 038-0152 (NR)



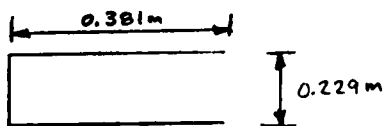
EXISTING SECTION AT ABUTMENTS
SN 038-0152 (NB)
NORTH AND SOUTH ABUTMENTS



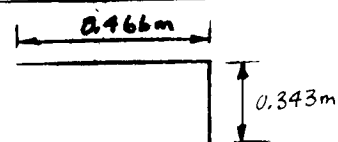
PROPOSED SECTION AT ABUTMENTS
SN 038-0152 (NB)
NORTH AND SOUTH ABUTMENTS

KEY	
	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING

#15 U(e)



#15 C5(e)



REINFORCEMENT SCHEDULE (CORRECTED)												
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION					
STRUCT. NUMBER	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg
SN 038-0152 (NB) NORTH ABUTMENT	C(e)	#15	38	★ 0.796	————	47	C(e)	#15	44	★ 0.796	————	55
	C1(e)	#15	6	5.886	————	55						
	C3(e)	#15	8	1.753	————	22	C2(e)	#15	6	7.220	————	68
	C4(e)	#15	6	1.524	————	14	C3(e)	#15	8	1.753	————	22
	C5(e)	#15	19	0.809	————┐	24	C4(e)	#15	6	1.524	————	14
	C6(e)	#15	12	1.753	————	33	C5(e)	#15	22	0.809	————┐	28
	C7(e)	#15	1	5.886	————	9	C6(e)	#15	12	1.753	————	33
	U(e)	#15	19	0.991	————┐	30	C7(e)	#15	1	7.220	————	11
							U(e)	#15	22	0.991	————┐	34
SN 038-0152 (NB) SOUTH ABUTMENT	C(e)	#15	38	★ 0.796	————	47	C(e)	#15	44	★ 0.796	————	55
	C1(e)	#15	6	5.886	————	55						
	C3(e)	#15	8	1.753	————	22	C2(e)	#15	6	7.220	————	68
	C4(e)	#15	6	1.524	————	14	C3(e)	#15	8	1.753	————	22
	C5(e)	#15	19	0.809	————┐	24	C4(e)	#15	6	1.524	————	14
	C6(e)	#15	12	1.753	————	33	C5(e)	#15	22	0.809	————┐	28
	C7(e)	#15	1	5.886	————	9	C6(e)	#15	12	1.753	————	33
	U(e)	#15	19	0.991	————┐	30	C7(e)	#15	1	7.220	————	11
							U(e)	#15	22	0.991	————┐	34
REINFORCEMENT BARS (EPOXY)						471	REINFORCEMENT BARS (EPOXY)					532

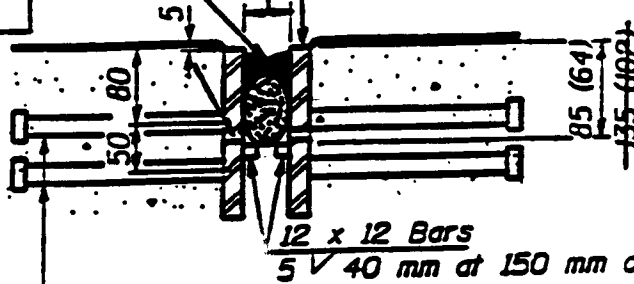
* NOTE: LENGTH WAS INCREASED.

*40 mm at 10°c.

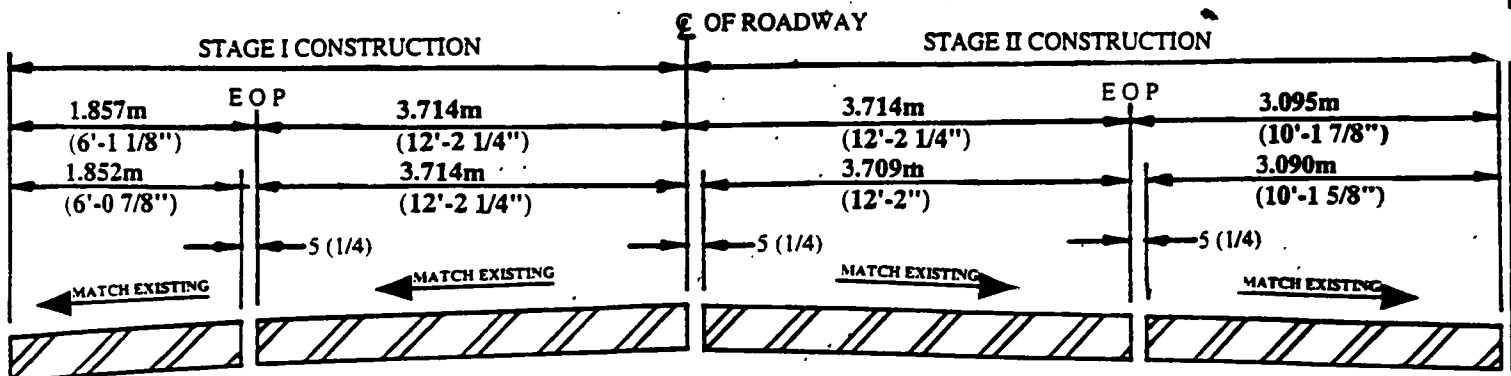
SEE SILICONE JOINT SEALER DETAILS

12 mm ϕ Holes at 300 mm cts. for 10 mm ϕ bolts. All bolts shall be burned, sawed or chipped off flush with the plates after forms are removed. (Typ.)

20 x 180 Plate
Fabricate to crown (Typ.)
Furnish in segments of 6 m maximum length. Maximum space between installed segments shall be 5 mm. Seal space with Silicone Sealant suitable for Structural Steel.



19 mm ϕ x 200 mm Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Spec's. automatically end welded at 300 Alt. cts.



NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) PARALLEL TO JOINT UNLESS OTHERWISE NOTED.

AFTER FABRICATION ALL SURFACES OF STEEL PLATES SHALL BE GIVEN ONE SHOP COAT OF PAINT SPECIFIED FOR STRUCTURAL STEEL. NO FIELD PAINTING WILL BE REQUIRED.

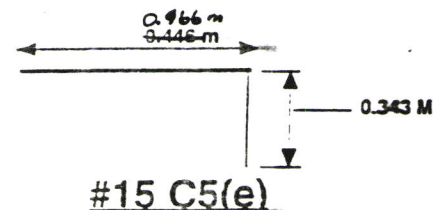
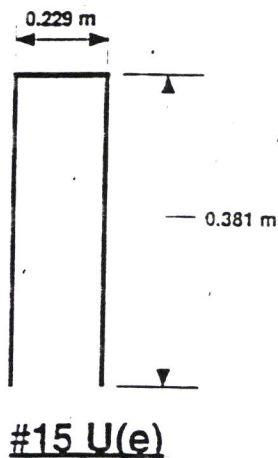
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK COMPLETED.

STRUCTURAL STEEL DETAILS

SN 038-0152 NORTH ABUTMENT
SN 038-0152 SOUTH ABUTMENT

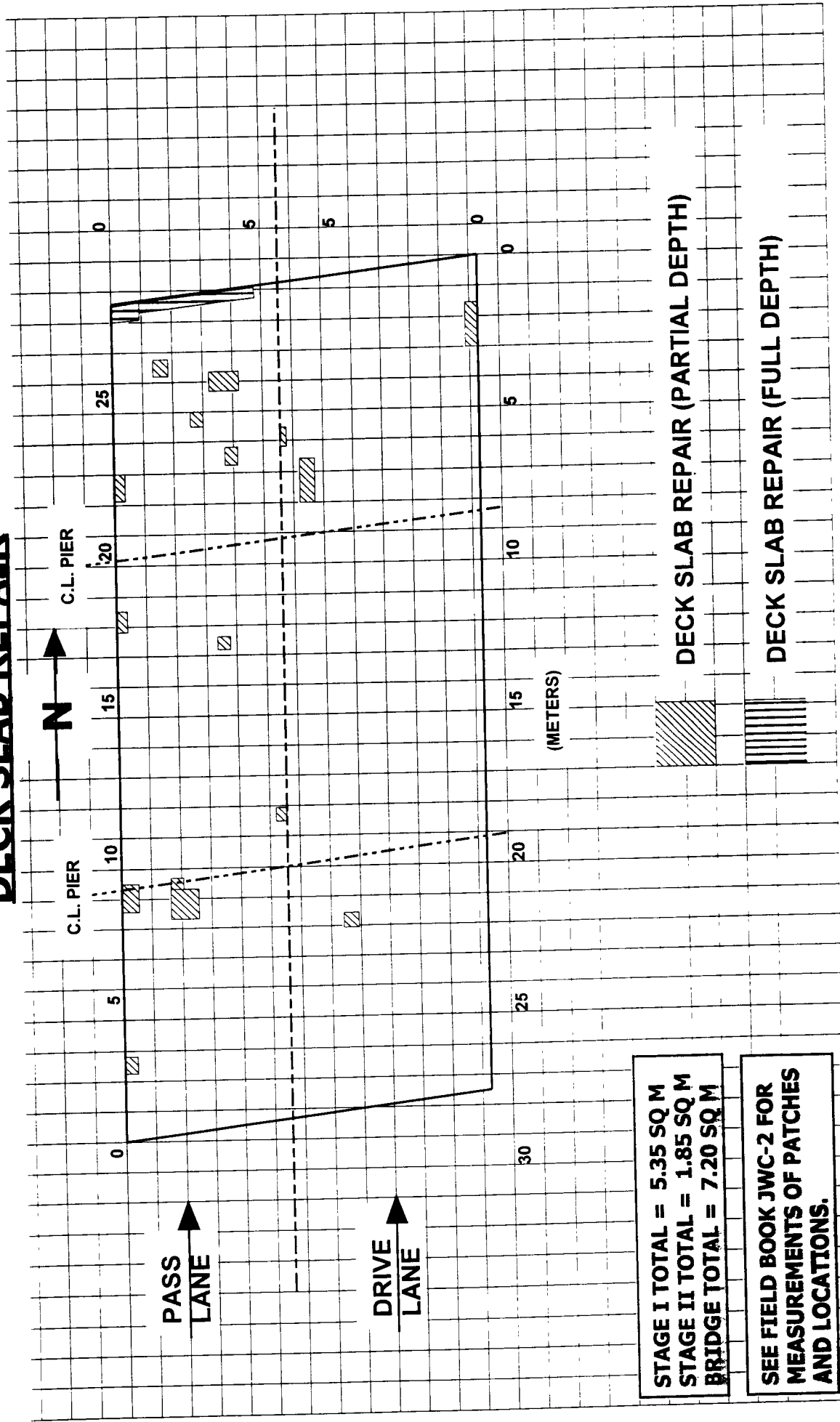
REINFORCEMENT SCHEDULE

S.N.	BAR	SIZE	NO.	LENGTH	SHAPE	WEIGHT	BAR	SIZE	NO.	LENGTH	Kg/M	SHAPE	WEIGHT
				METER		Kg				METER			Kg
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
SN 038-0152 (NB) SOUTH ABUTMENT	C(e)	#15	38	0.733	=====	44	C(e)	#15	44	0.733	1.570	=====	51
	C1(e)	#15	6	5.886	=====	55	C2(e)	#15	6	7.220	1.570	=====	68
	C3(e)	#15	8	1.753	=====	22	C3(e)	#15	8	1.753	1.570	=====	22
	C4(e)	#15	6	1.524	=====	14	C4(e)	#15	6	1.524	1.570	=====	14
	C5(e)	#15	19	0.809	=====	24	C5(e)	#15	22	0.809	1.570	=====	28
	C6(e)	#15	12	1.753	=====	33	C6(e)	#15	12	1.753	1.570	=====	33
	C7(e)	#15	1	5.886	=====	9	C8(e)	#15	1	7.220	1.570	=====	11
	U(e)	#15	19	0.991	=====	30	U(e)	#15	22	0.991	1.570	=====	34
SN 038-0152 (NB) NORTH ABUTMENT	C(e)	#15	38	0.733	=====	44	C(e)	#15	44	0.733	1.570	=====	51
	C1(e)	#15	6	5.886	=====	55	C2(e)	#15	6	7.220	1.570	=====	68
	C3(e)	#15	8	1.753	=====	22	C3(e)	#15	8	1.753	1.570	=====	22
	C4(e)	#15	6	1.524	=====	14	C4(e)	#15	6	1.524	1.570	=====	14
	C5(e)	#15	19	0.809	=====	24	C5(e)	#15	22	0.809	1.570	=====	28
	C6(e)	#15	12	1.753	=====	33	C6(e)	#15	12	1.753	1.570	=====	33
	C7(e)	#15	1	5.886	=====	9	C8(e)	#15	1	7.220	1.570	=====	11
	U(e)	#15	19	0.991	=====	30	U(e)	#15	22	0.991	1.570	=====	34
REINFORCEMENT BARS (EPOXY COATED)							REINFORCEMENT BARS (EPOXY COATED)						
BAR SPLICER							BAR SPLICER						
F & E STRUCTURAL STEEL							F & E STRUCTURAL STEEL						
CONCRETE STRUCTURES							CONCRETE STRUCTURES						

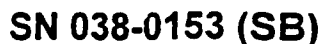


SN 038-0152 (NB)

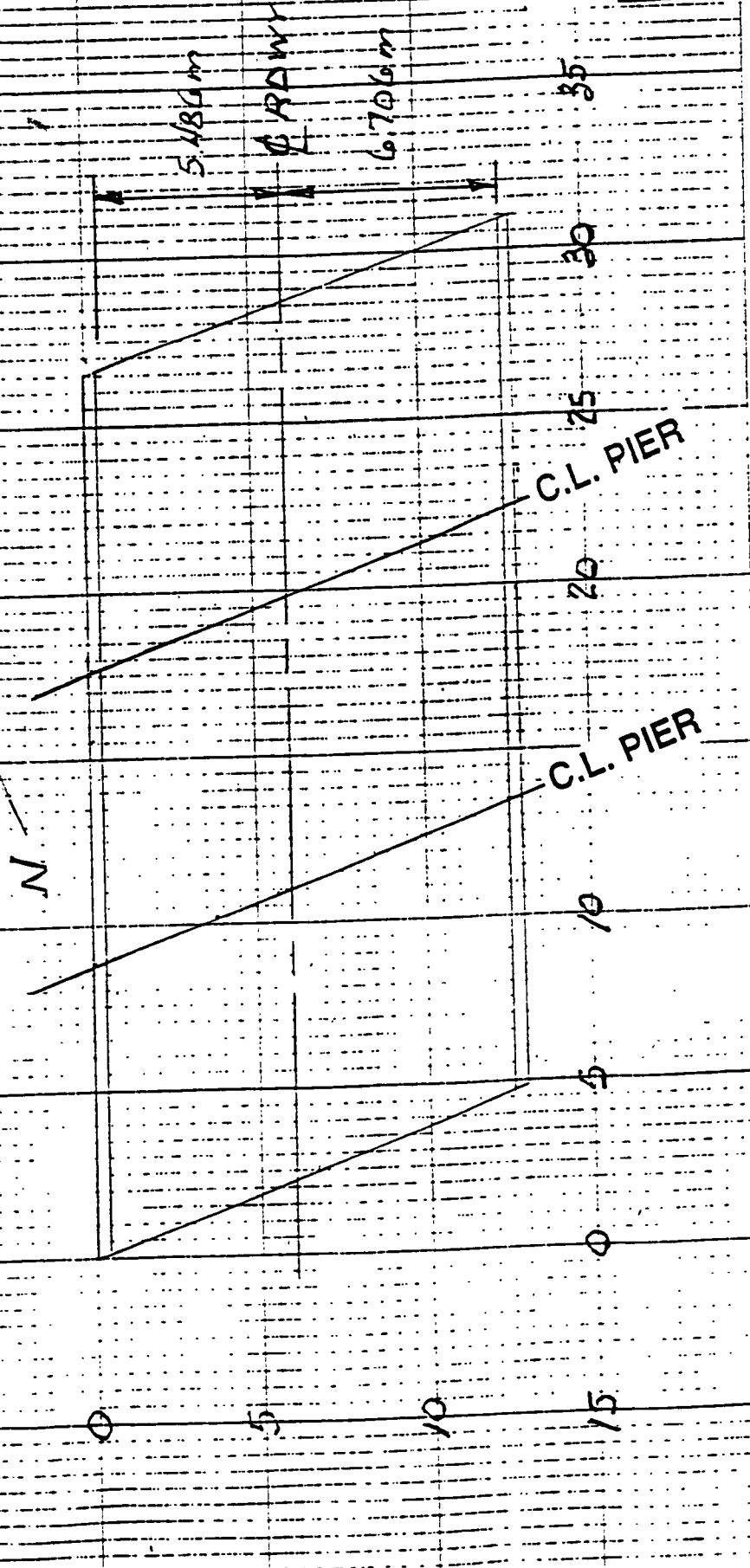
DECK SLAB REPAIR



SHEET 38 OF 110



	MIX	AC GRADE	MAX % RAP** ALLOWABLE	DESIGN AIR VOIDS
	SHOULDER	AC-10	30%	2.0%



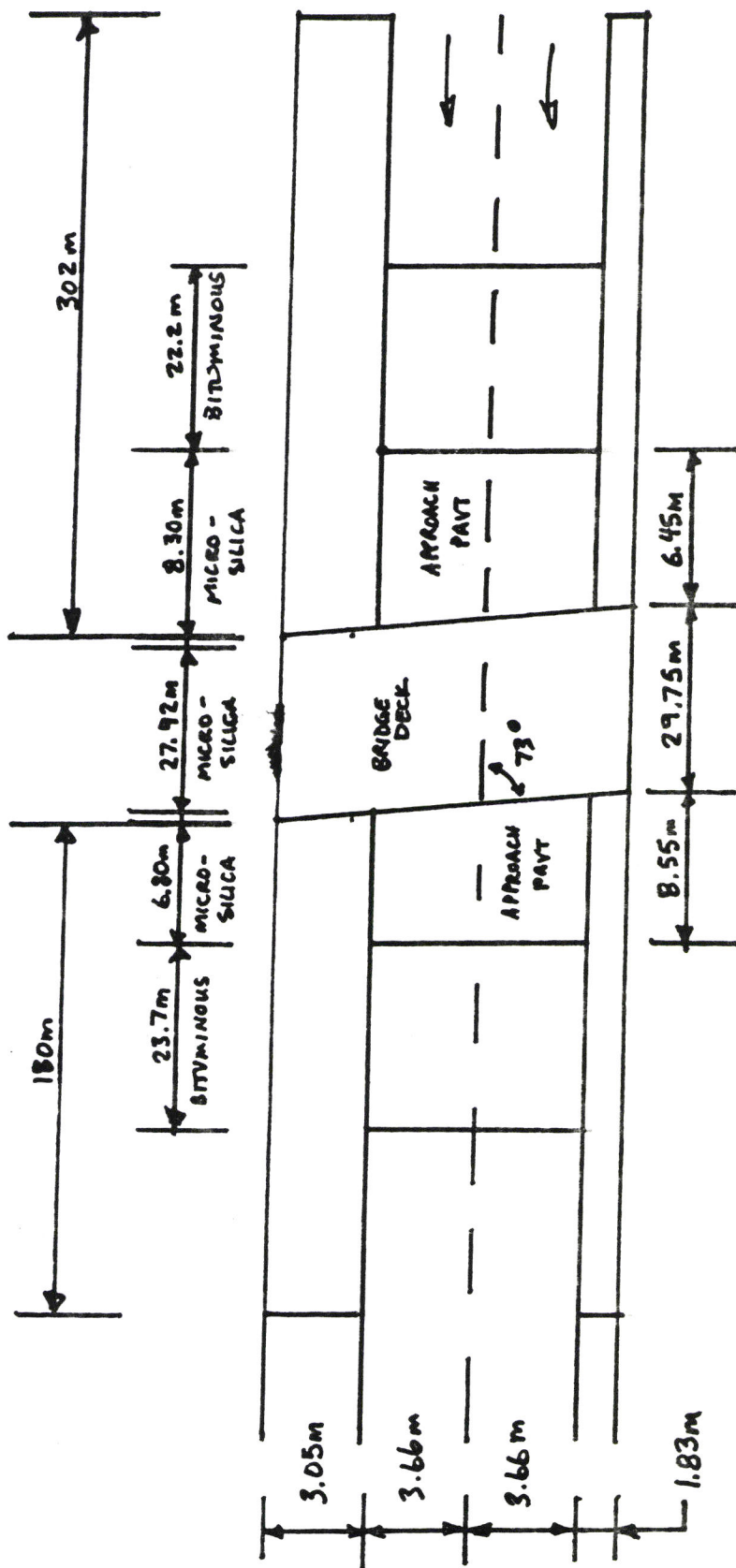
SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs.
 These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay.
 18 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0152.

PARTIAL DEPTH DECK REPAIR RECORD

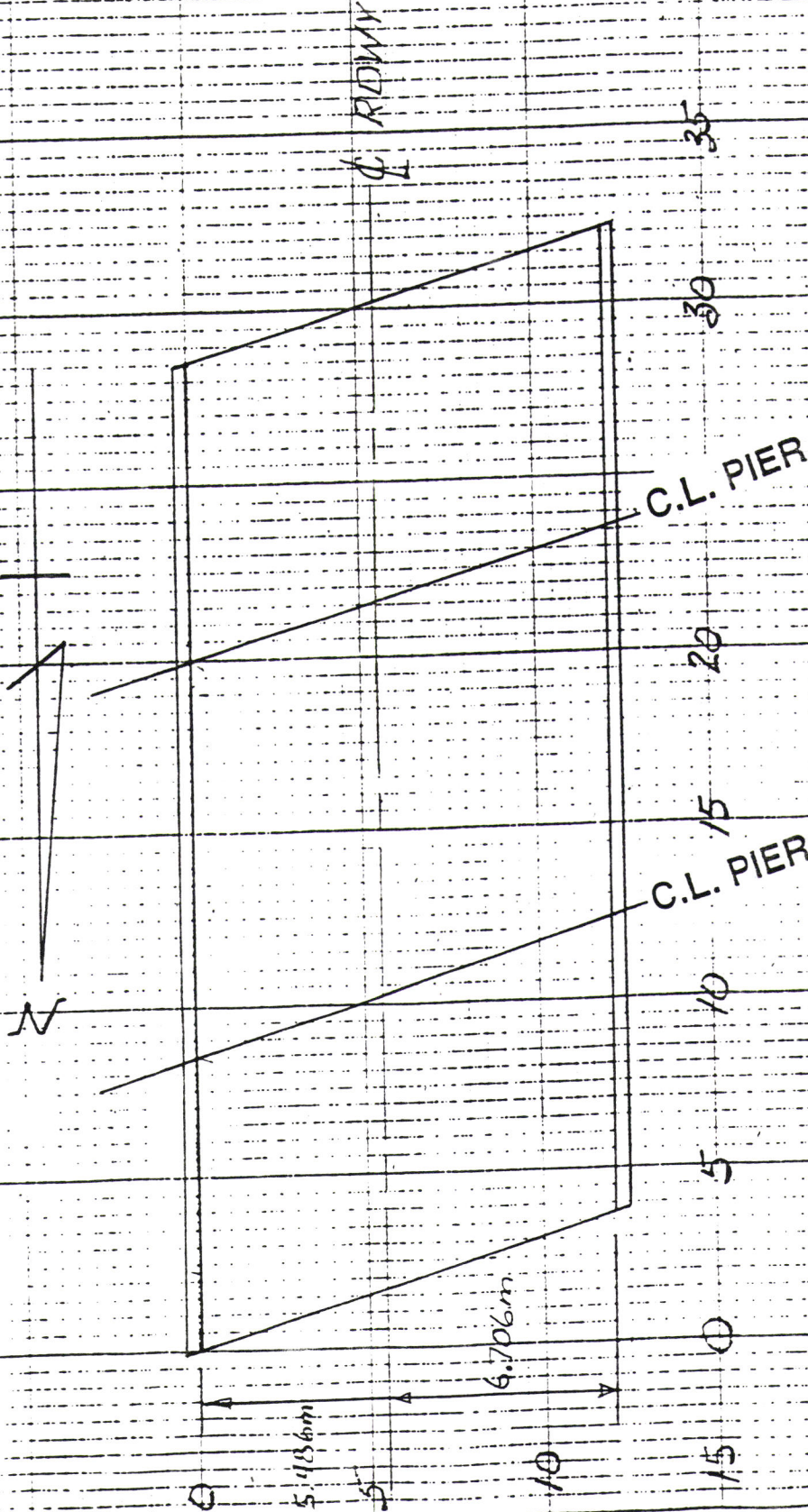
S.N. 038-0152(N.B.)

SN 038 - 0153 (SB)



STRUCTURE QUANTITIES

BRIDGE DECK GROOVING	524.2 m ²
BRIDGE DECK MICRO-SILICA OVERLAY	524.2 m ²
BRIDGE SCARIFICATION	340.6 m ²
CONCRETE PAVEMENT SCARIFICATION	519.6 m ²
BIT. CONC. SURF. 55%, MIX D, CLASS I, TYPE I	50 MTON
BITUMINOUS SURFACE REMOVAL 40MM	519.6 m ²
BITUMINOUS CONCRETE ASP (DECK)	340.6 m ²

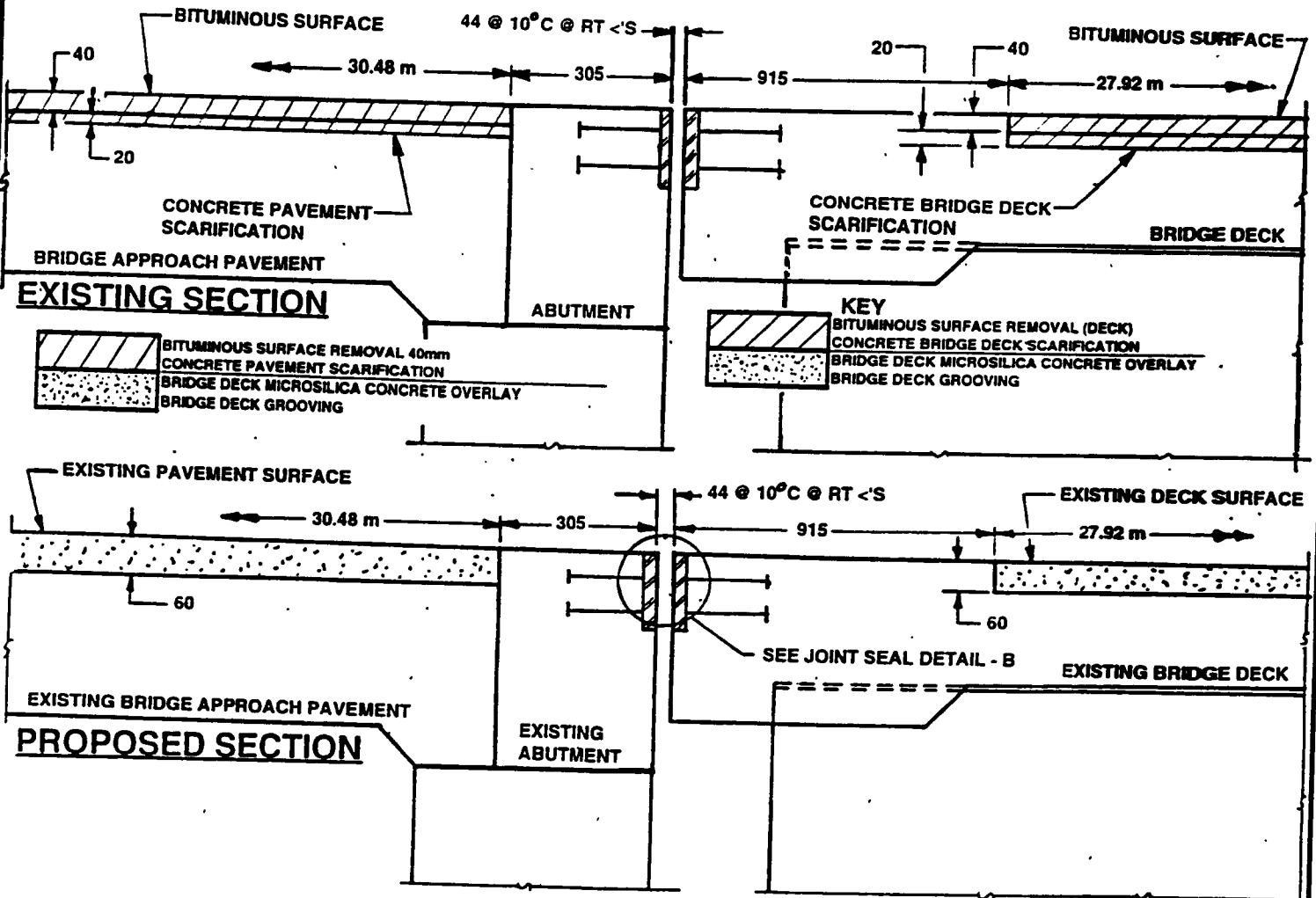


SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs.
These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay.
19 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0153.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0153(SB)

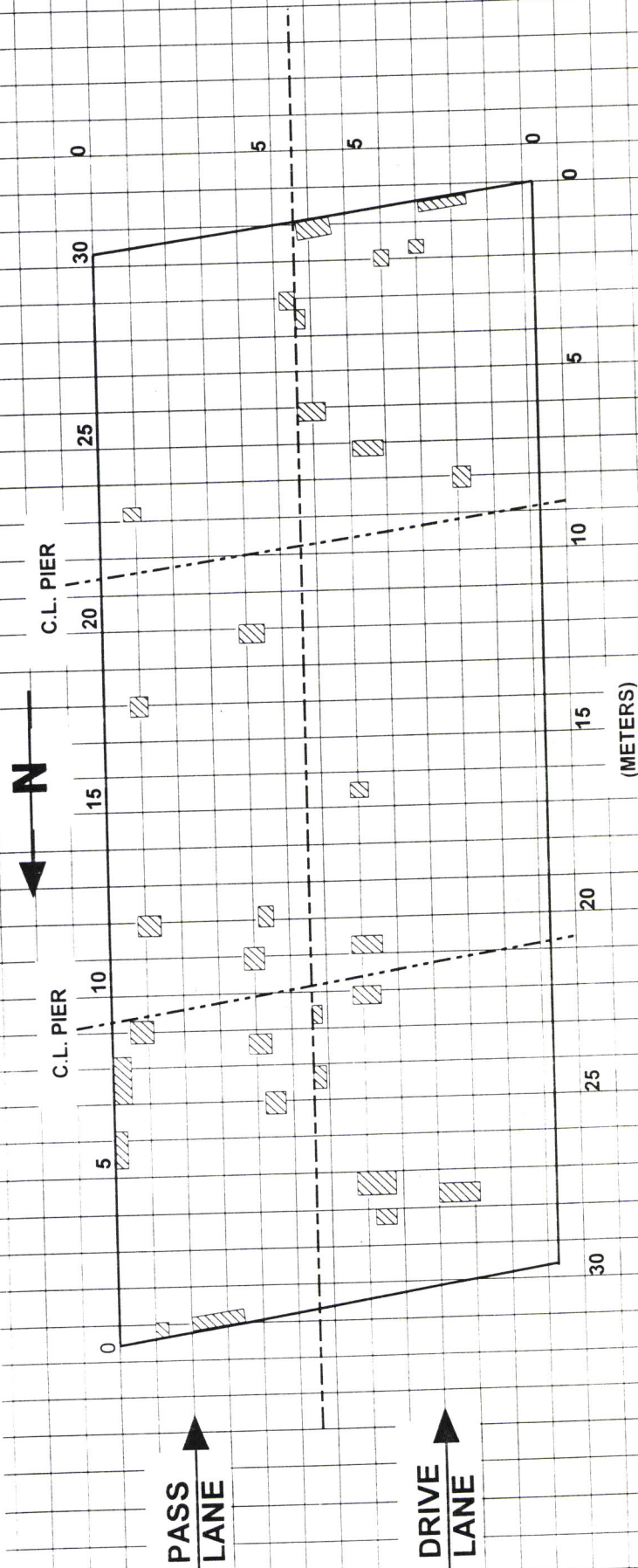


SECTION AT ABUTMENTS

SN 038-0153 (SB)
NORTH AND SOUTH ABUTMENTS

SN 038-0153 (SB)

DECK SLAB REPAIR



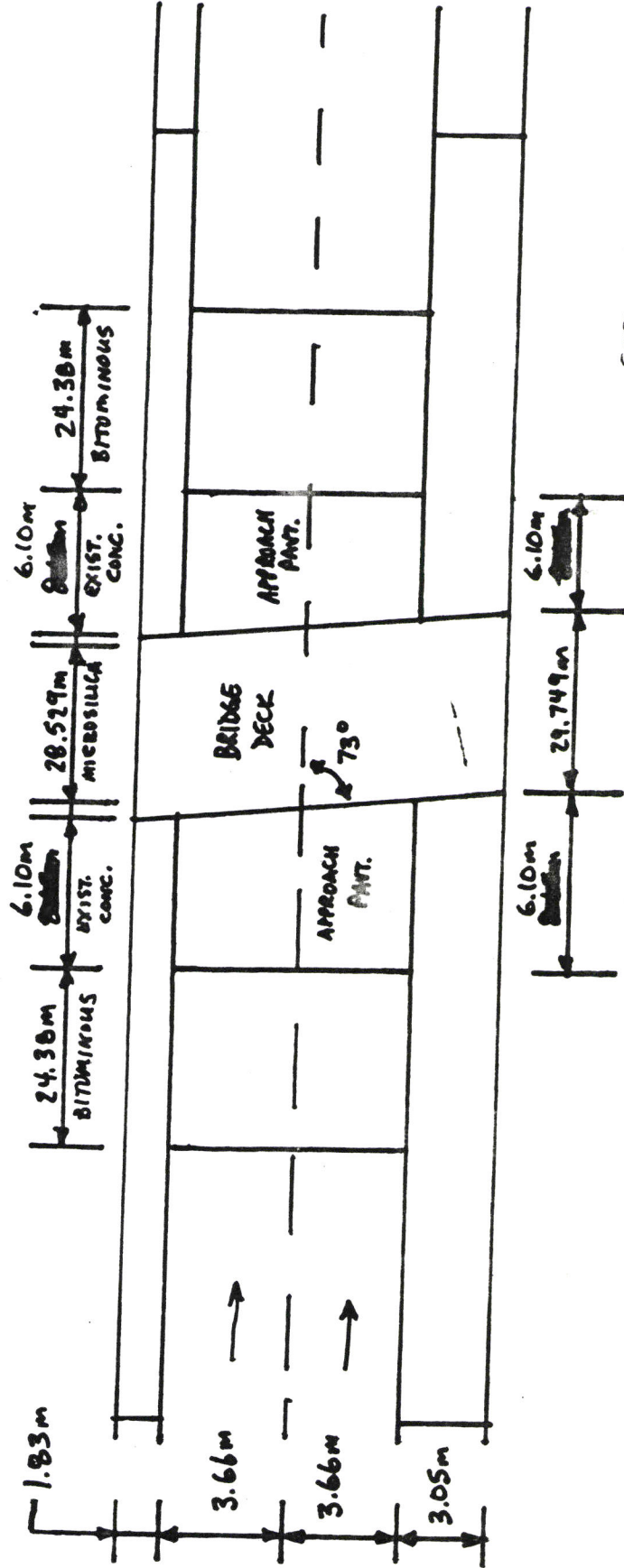
STAGE I TOTAL = 5.28 SQ M
 STAGE II TOTAL = 4.66 SQ M
 BRIDGE TOTAL = 9.94 SQ M

SEE FIELD BOOK JWC-2 FOR
 MEASUREMENTS OF PATCHES
 AND LOCATIONS.

DECK SLAB REPAIR (PARTIAL DEPTH)

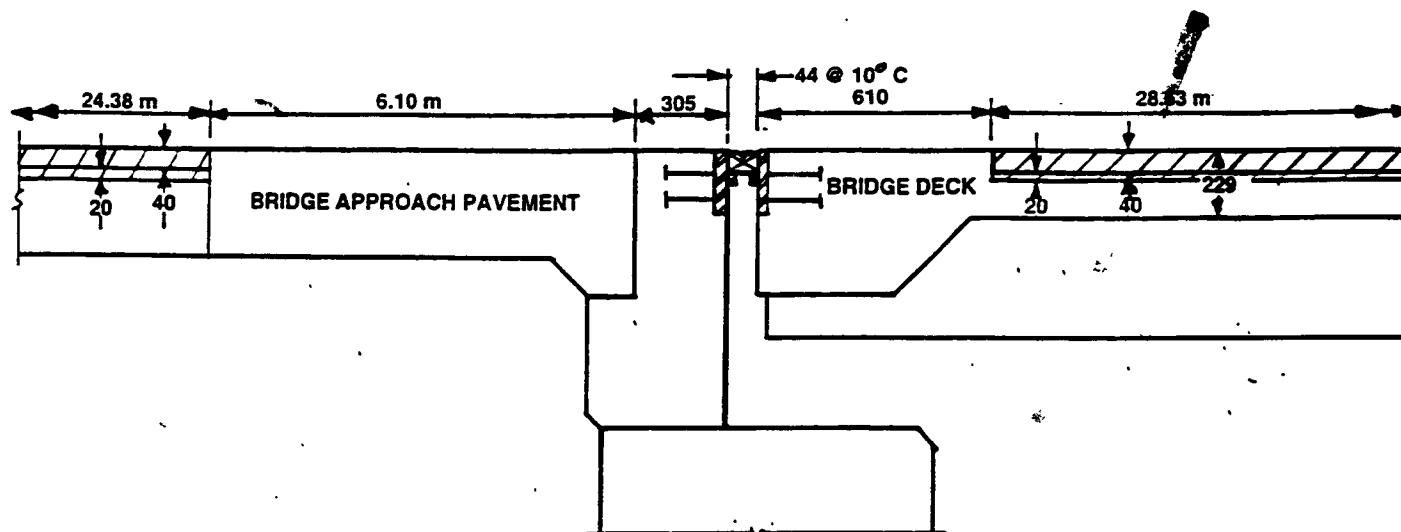
DECK SLAB REPAIR (FULL DEPTH)

A diagram of a vertical column. The column is represented by a vertical line with horizontal caps at both ends. A dimension line to the left of the column indicates a height of 180 m. A horizontal dimension line at the top of the column indicates a width of 7 m.

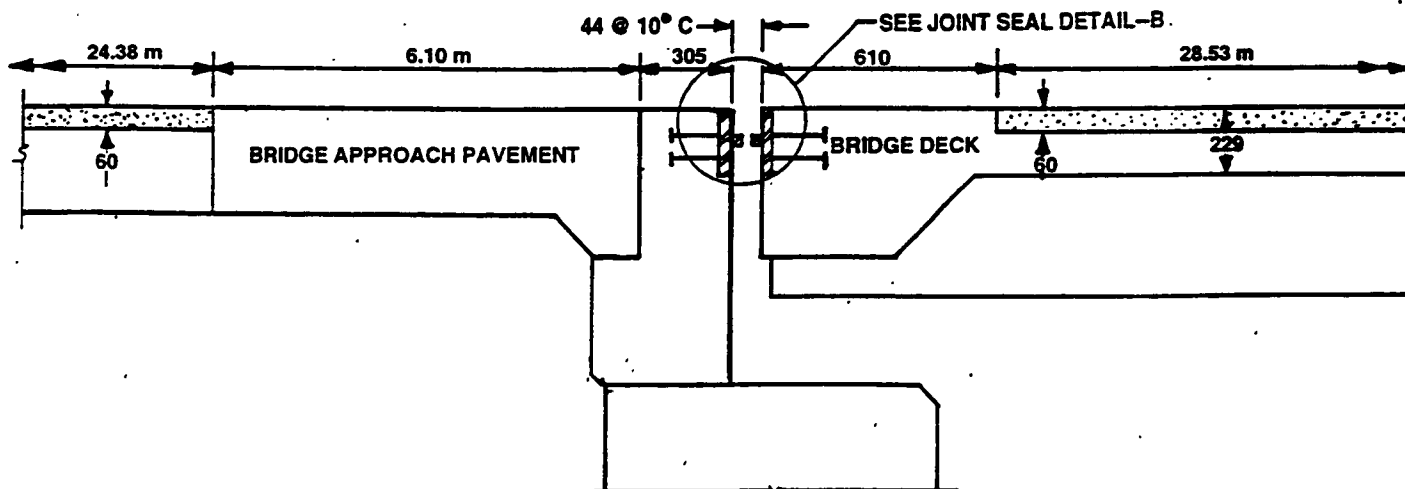


BRIDGE DECK GROOVING	348.1m ²
BRIDGE DECK MICROSILICA OVERLAY	348.1m ²
BRIDGE SCARIFICATION	348.1m ²
CONCRETE PAINT, SCARIFICATION	357.0m ²
BIT. CONC. SURF. SEAL, MIX D, CLASS I, TYPE 1	52m ²
BITUMINOUS SURFACE REMOVAL 40mm	357.0m ²
BITUMINOUS CONCRETE REM (DECK)	348.1m ²

BRIDGE DECK GROOVING	348.1m ²
BRIDGE DECK MICROSILICA OVERLAY	348.1m ²
BRIDGE SCARIFICATION	348.1m ²
CONCRETE PAINT, SCARIFICATION	357.0m ²
BIT. CONC. SURF. SEAL, MIX D, CLASS I, TYPE 1	52m ²
BITUMINOUS SURFACE REMOVAL 40mm	357.0m ²
BITUMINOUS CONCRETE REM (DECK)	348.1m ²



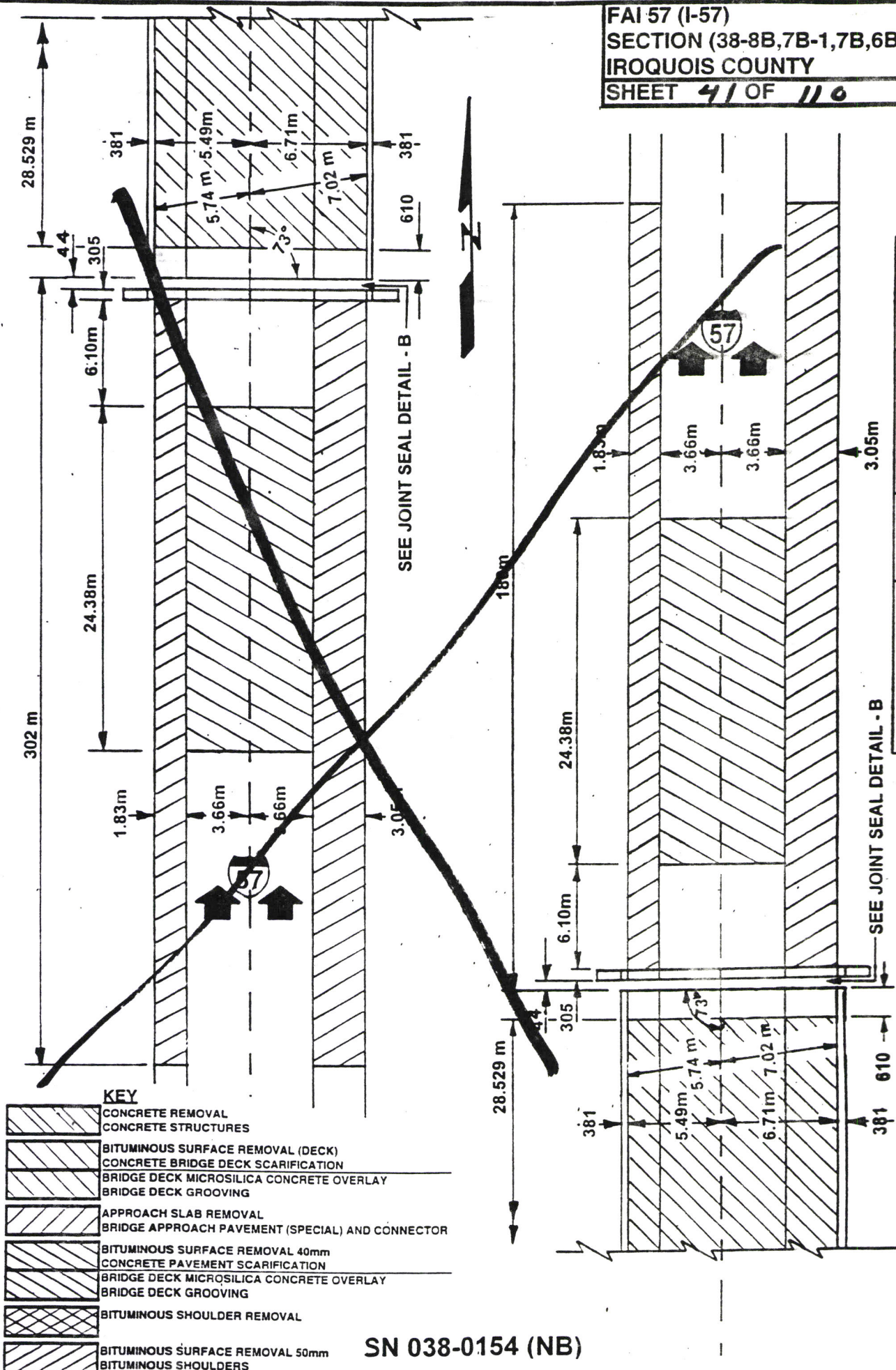
EXISTING SECTION AT ABUTMENTS
SN 038-0154 (NB)
NORTH AND SOUTH ABUTMENTS



PROPOSED SECTION AT ABUTMENTS
SN 038-0154 (NB)
NORTH AND SOUTH ABUTMENTS

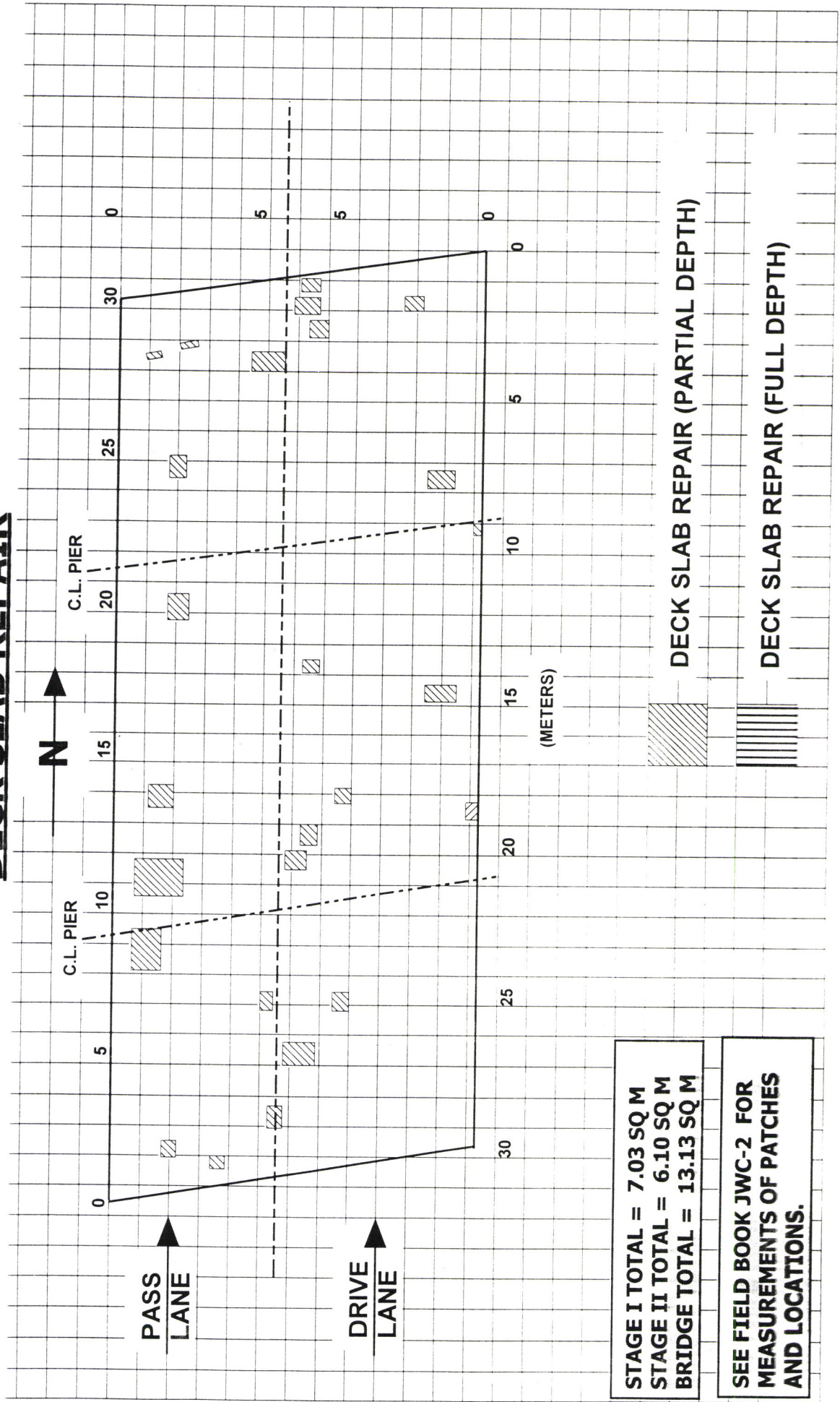
KEY	
	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING

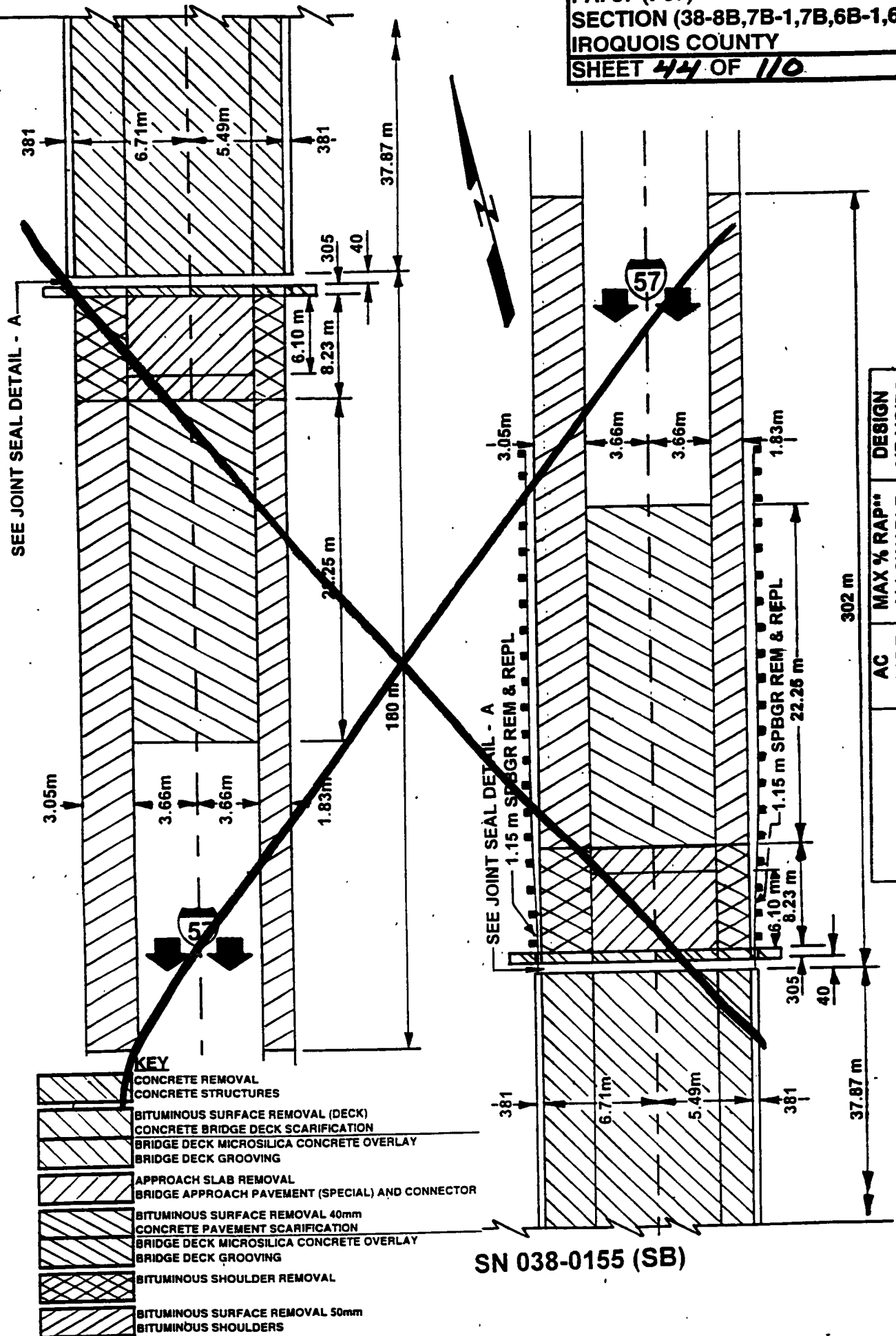
FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 41 OF 116

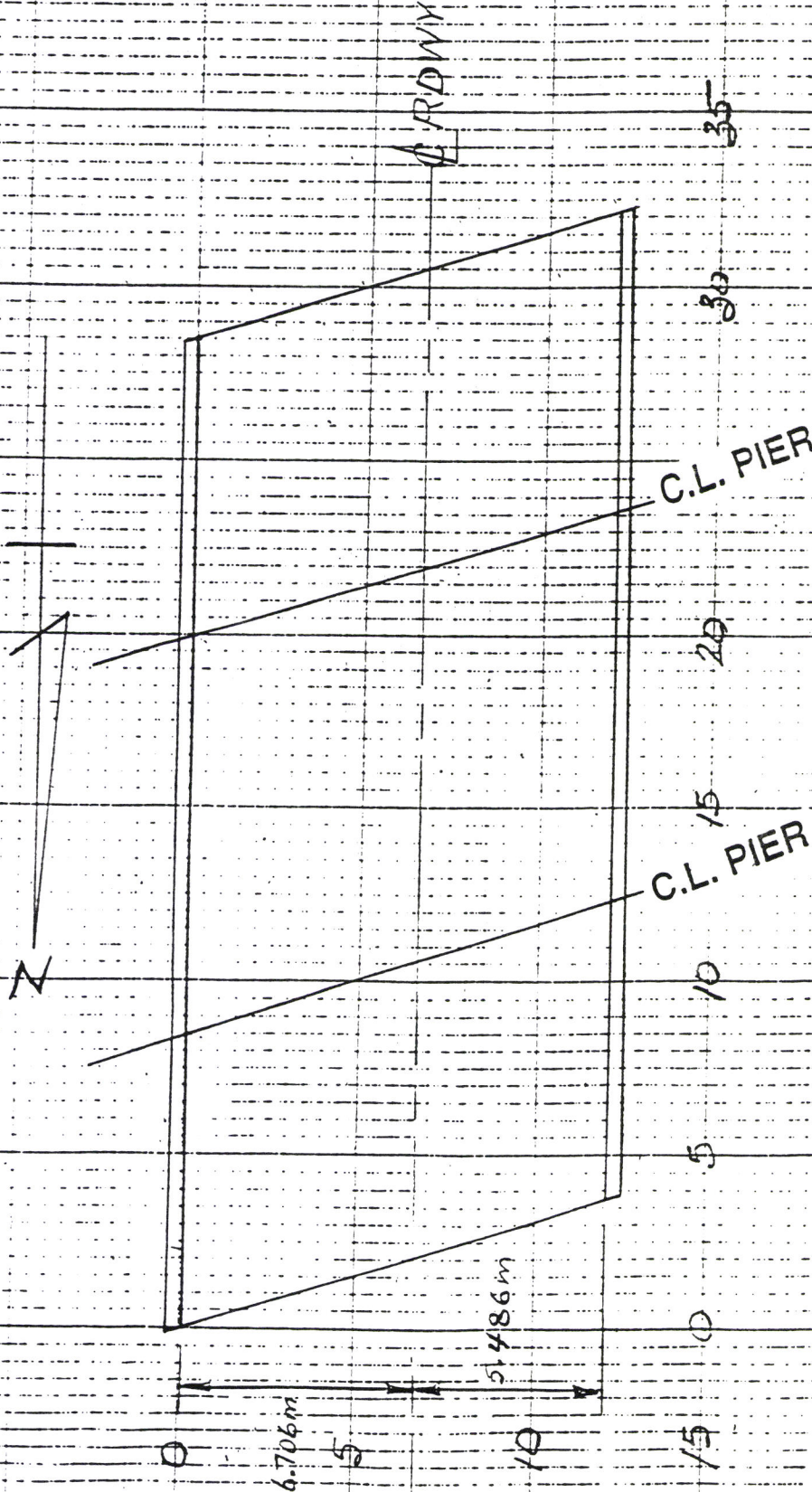


SN 038-0154 (NB)

DECK SLAB REPAIR







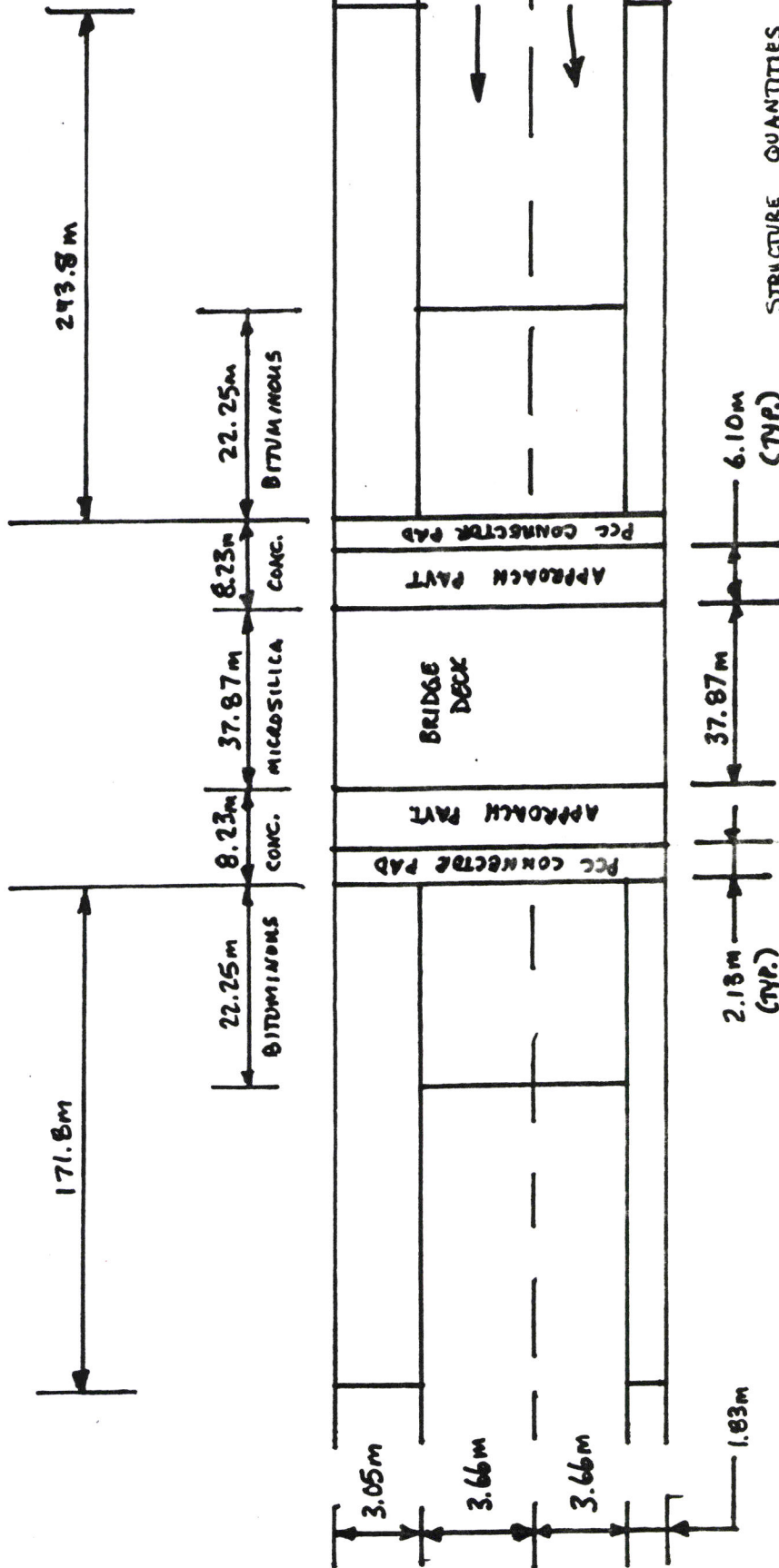
SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs.
These repairs shall be performed after Bridge Deck Scarification and prior to Micorcilica Overlay.
19 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0154.

PARTIAL DEPTH DECK REPAIR RECORD

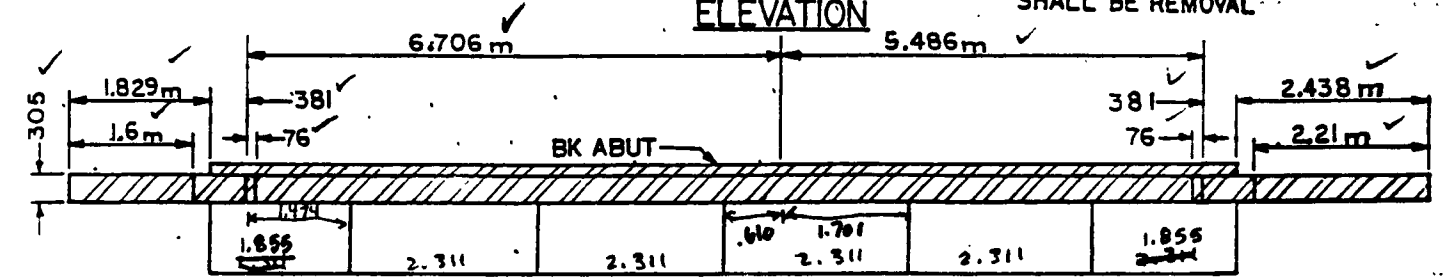
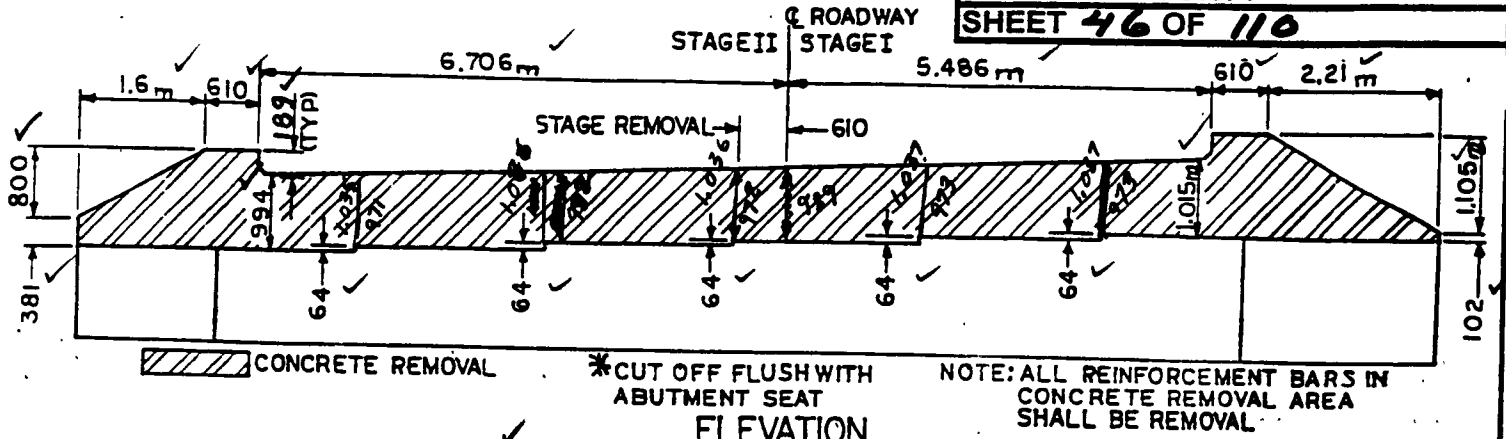
S.N.038-0154(NB)

SN 038-0155 (SB)

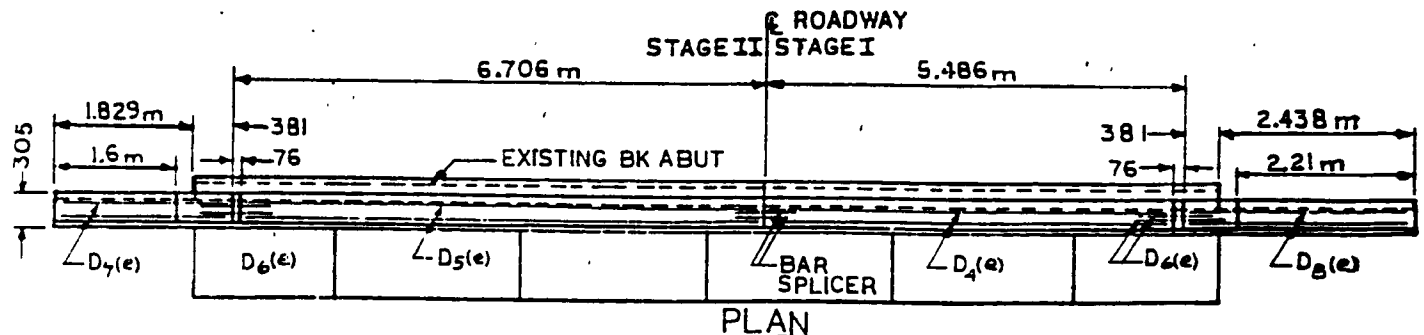
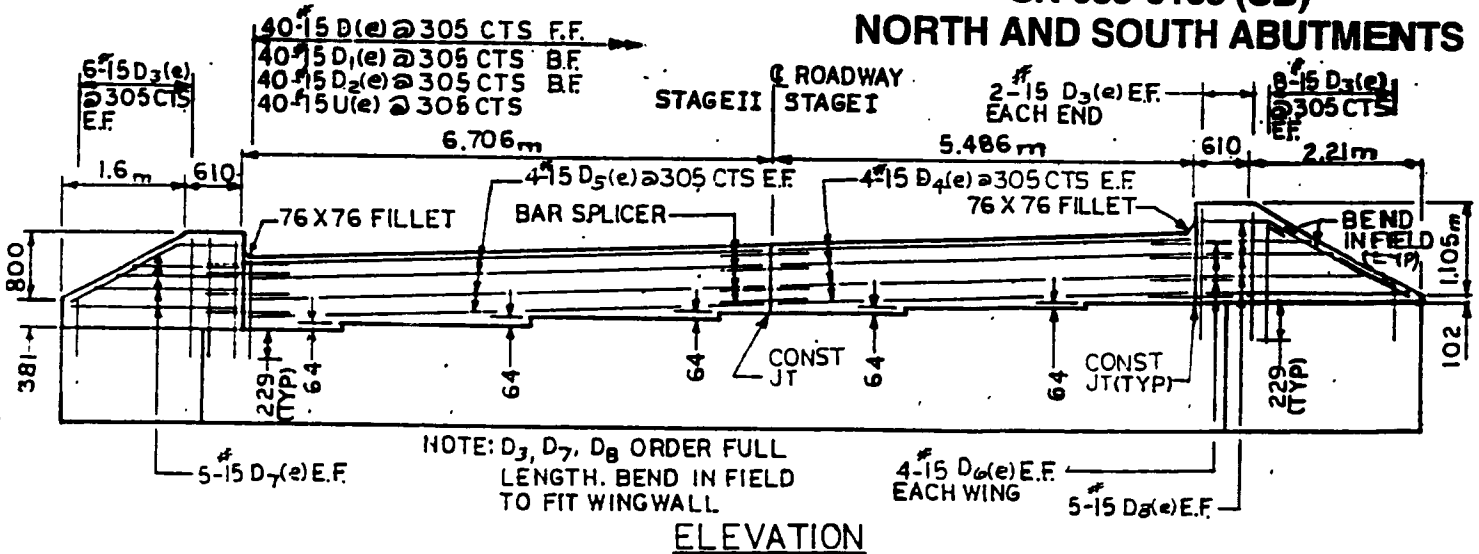


STRUCTURE QUANTITIES

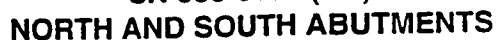
BRIDGE APPROACH PAVEMENT (SPECIAL)	149 m ²
BRIDGE APPROACH PAVT. CONNECTOR (PCC)	52 m ²
BRIDGE DECK GRADING	663 m ²
BRIDGE DECK MICROSILICA OVERLAY	462 m ²
BRIDGE SCARIFICATION	462 m ²
CONCRETE PAVEMENT SCARIFICATION	325.8 m ²
BIT. CONC. SURF. CGR. MIX D, CLASS I, T1A	50 MM
BITUMINOUS SURFACE REMOVAL 40 MM	925.8 m ²
BITUMINOUS CONCRETE REM (DECK)	462.0 m ²



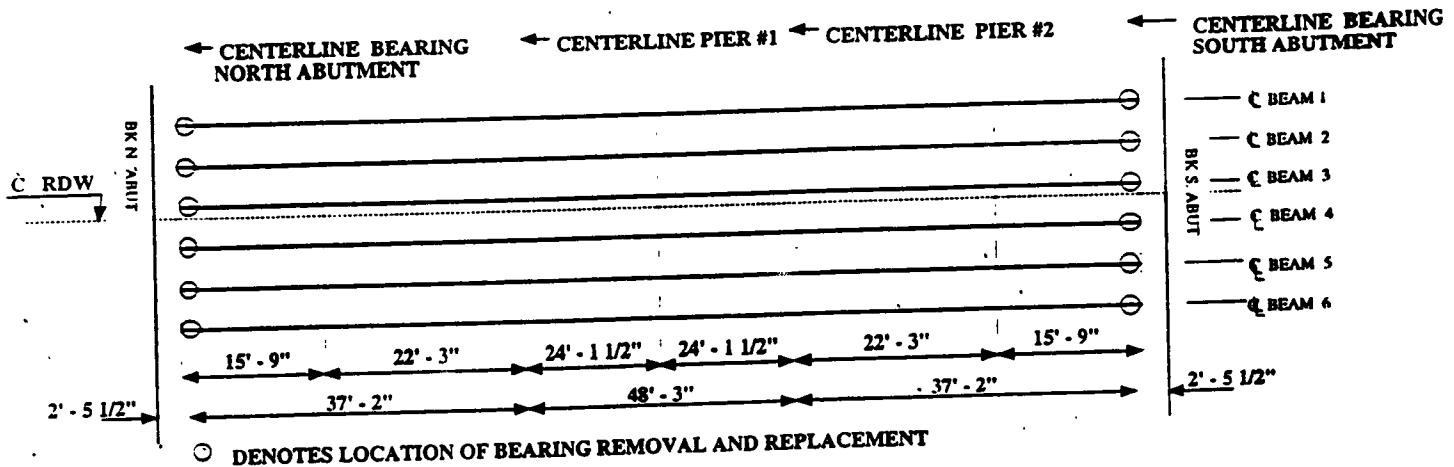
EXISTING ABUTMENT DETAILS
SN 038-0155 (SB)
NORTH AND SOUTH ABUTMENTS



PROPOSED ABUTMENT DETAILS
SN 038-0155 (SB)
NORTH AND SOUTH ABUTMENTS



7 BITUMINOUS SURFACE REMOVAL 40mm
CONCRETE PAVEMENT SCARIFICATION
BRIDGE DECK MICROSILICA CONCRETE OVERLAY
BRIDGE DECK GROOVING



FRAMING PLAN SN 038 - 0155

INTERIOR GIRDER REACTION TABLE SN 038 - 0155			
		NORTH ABUT.	SOUTH ABUT.
DEAD LOAD (KIPS)	15.3	15.3	
LIVE LOAD (KIPS)	30.9	30.9	
IMPACT (KIPS)	9.3	9.3	
TOTAL REACTION (KIPS)	55.5	55.5	

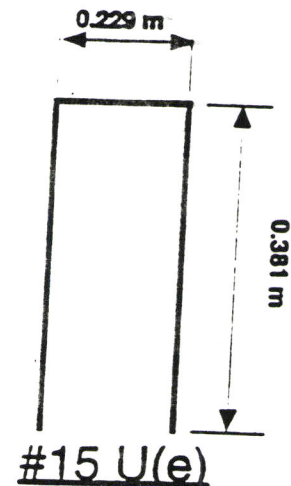
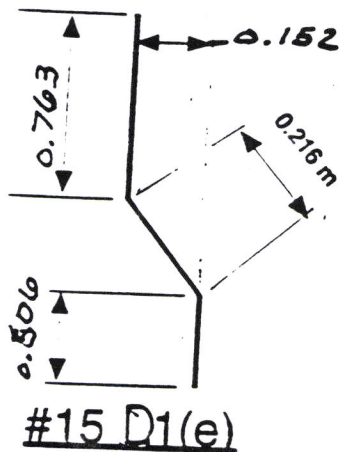
REQUIRED SHIMS SN 038 - 0155		
	NORTH ABUT.	SOUTH ABUT.
GIRDER 1	-	-
GIRDER 2	-	-
GIRDER 3	-	-
GIRDER 4	-	-
GIRDER 5	-	-
GIRDER 6	-	-

NOTES:

All Bearing Details are in English Units
Additional Shim Plates if required will be placed as directed by the Engineer.
New bearings shall be ELASTOMERIC TYPE II with Steel Pedestal.
See ELASTOMERIC BEARING-TYPE II /w PEDESTAL DETAILS

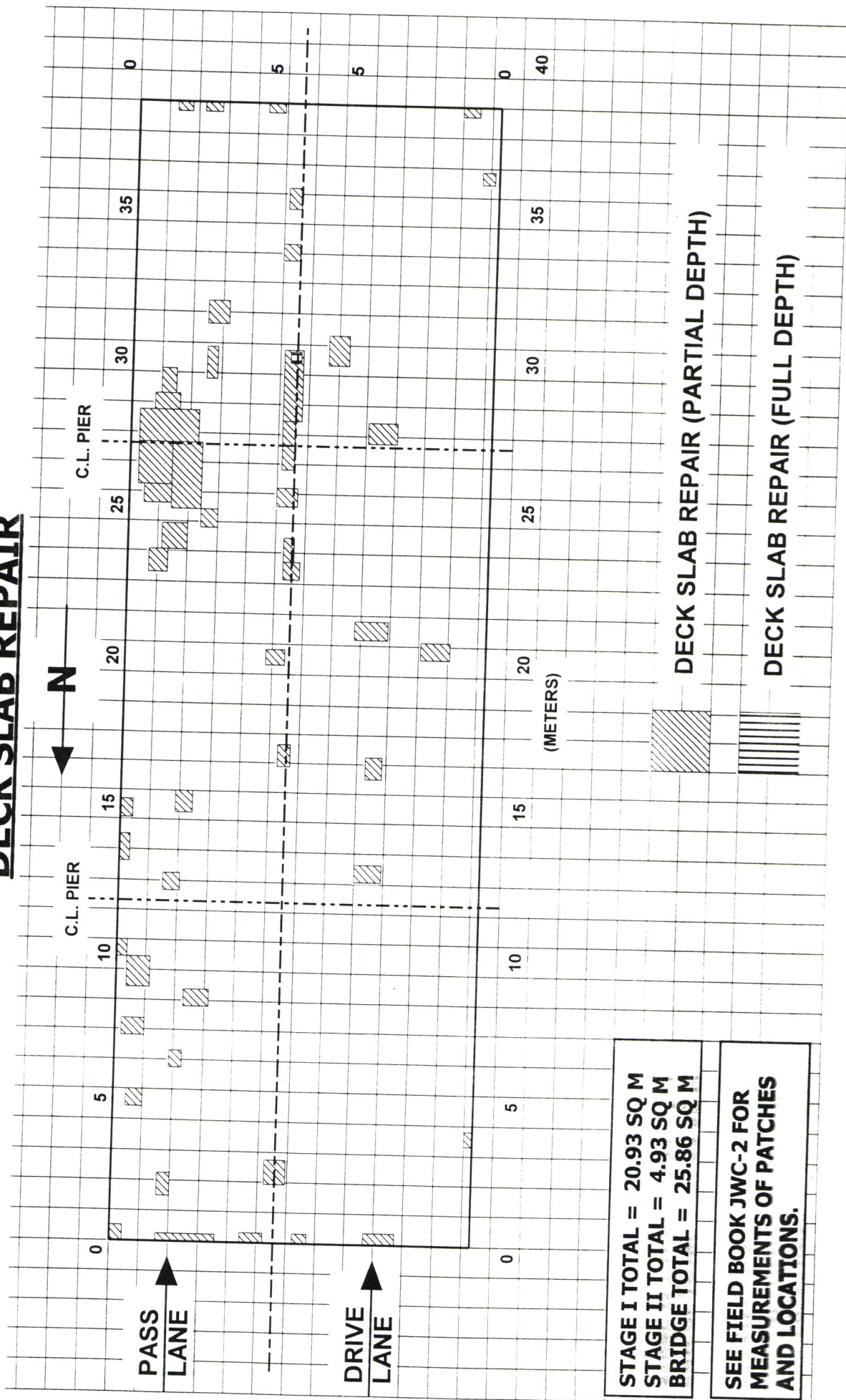
REINFORCEMENT SCHEDULE

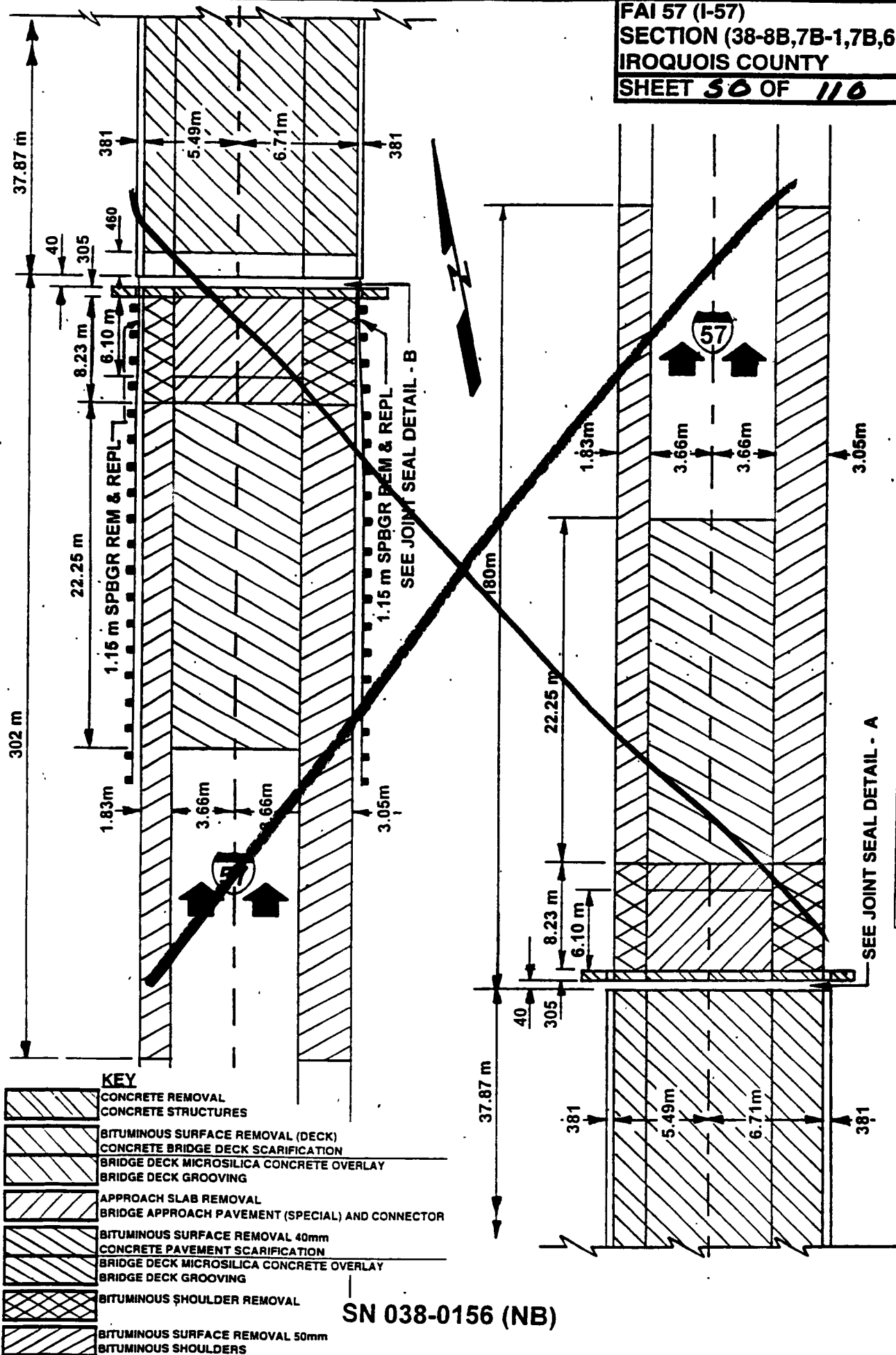
S.N.	BAR	SIZE	NO.	LENGTH METER	SHAPE	WEIGHT Kg	BAR	SIZE	NO.	LENGTH METER	SHAPE	WEIGHT Kg
SN 038-0155 (SB) NORTH ABUTMENT	STAGE I CONSTRUCTION						STAGE II CONSTRUCTION					
	D(e)	#15	19	1.118		33	D(e)	#15	21	1.118		37
	D1(e)	#15	19	1.485		44	D1(e)	#15	21	1.485		49
	D2(e)	#15	19	0.851		25	D2(e)	#15	21	0.851		28
	D3(e)	#15	20	2.744		86	D3(e)	#15	16	2.744		69
	D4(e)	#15	8	5.791		73						
	D6(e)	#15	8	1.524		19	D5(e)	#15	8	7.011		88
	D7(e)	#15	10	2.134		34	D6(e)	#15	8	1.524		19
	U(e)	#15	19	0.991		30	D8(e)	#15	10	2.744		43
							U(e)	#15	21	0.991		33
SN 038-0155 (SB) SOUTH ABUTMENT	D(e)	#15	19	1.118		33	D(e)	#15	21	1.118		37
	D1(e)	#15	19	1.485		44	D1(e)	#15	21	1.485		49
	D2(e)	#15	19	0.851		25	D2(e)	#15	21	0.851		28
	D3(e)	#15	20	2.744		86	D3(e)	#15	16	2.744		69
	D4(e)	#15	8	5.791		73						
	D6(e)	#15	8	1.524		19	D5(e)	#15	8	7.011		88
	D7(e)	#15	10	2.134		34	D6(e)	#15	8	1.524		19
	U(e)	#15	19	0.991		30	D8(e)	#15	10	2.744		43
							U(e)	#15	21	0.991		33
	REINFORCEMENT BARS (EPOXY COTED)						REINFORCEMENT BARS (EPOXY COTED)					
BAR SPLICER						688	BAR SPLICER					732
F & E STRUCTURAL STEEL						8	F & E STRUCTURAL STEEL					8
CONCRETE STRUCTURES						450	CONCRETE STRUCTURES					450
						4.9						6.0

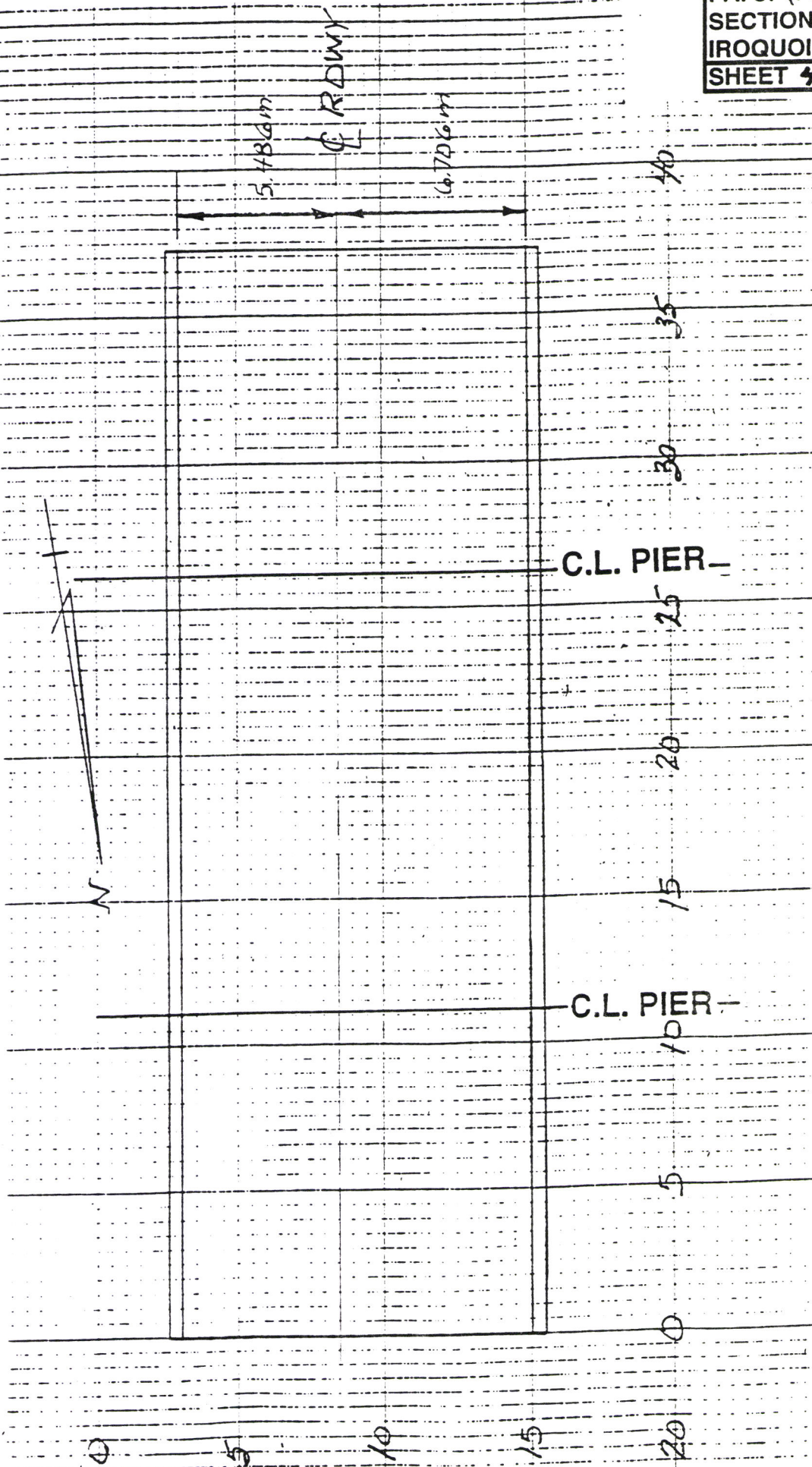


SN 038-0155 (SB)

DECK SLAB REPAIR







SCALE 1:200

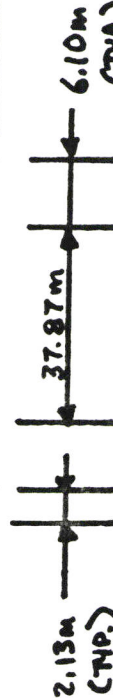
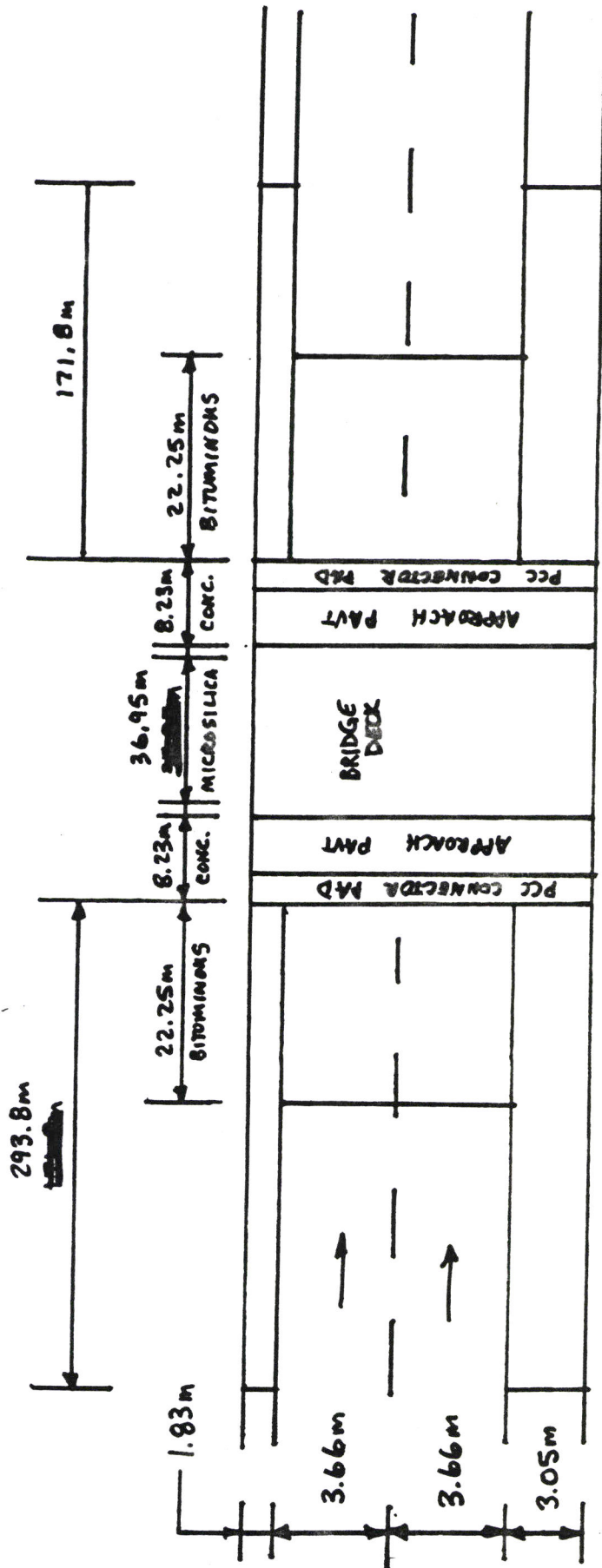
It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs. These repairs shall be performed after Bridge Deck Scarification and prior to Micorcllica Overlay. 25 square meters of Partial Depth Deck Repair have been included for Structure No. 038-0155.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0155(SB)

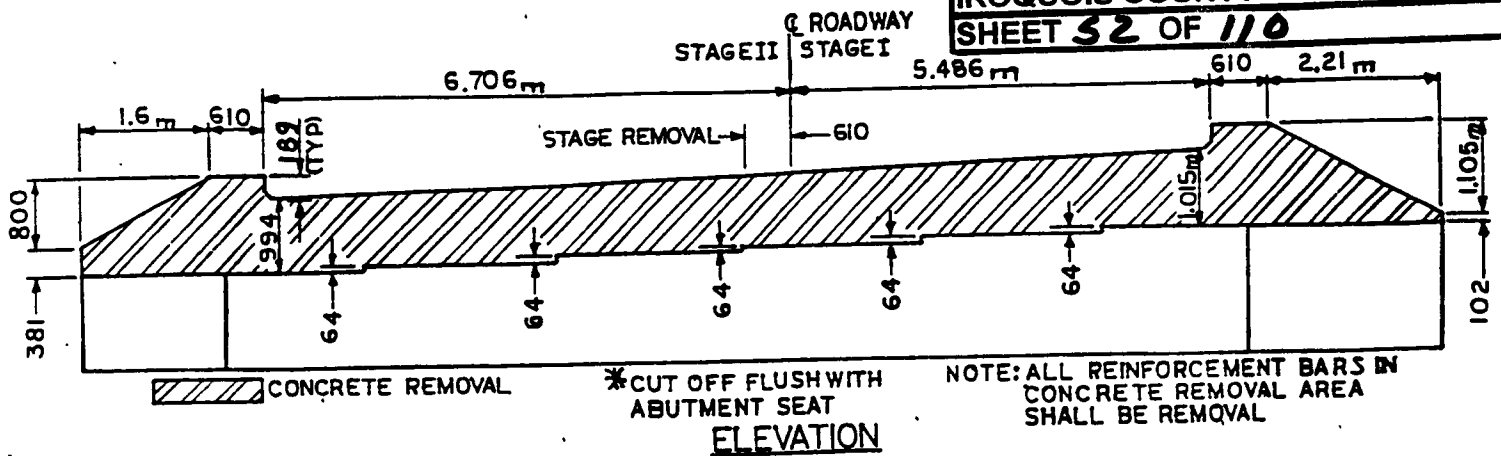
SN 038-0156 (NB)

A

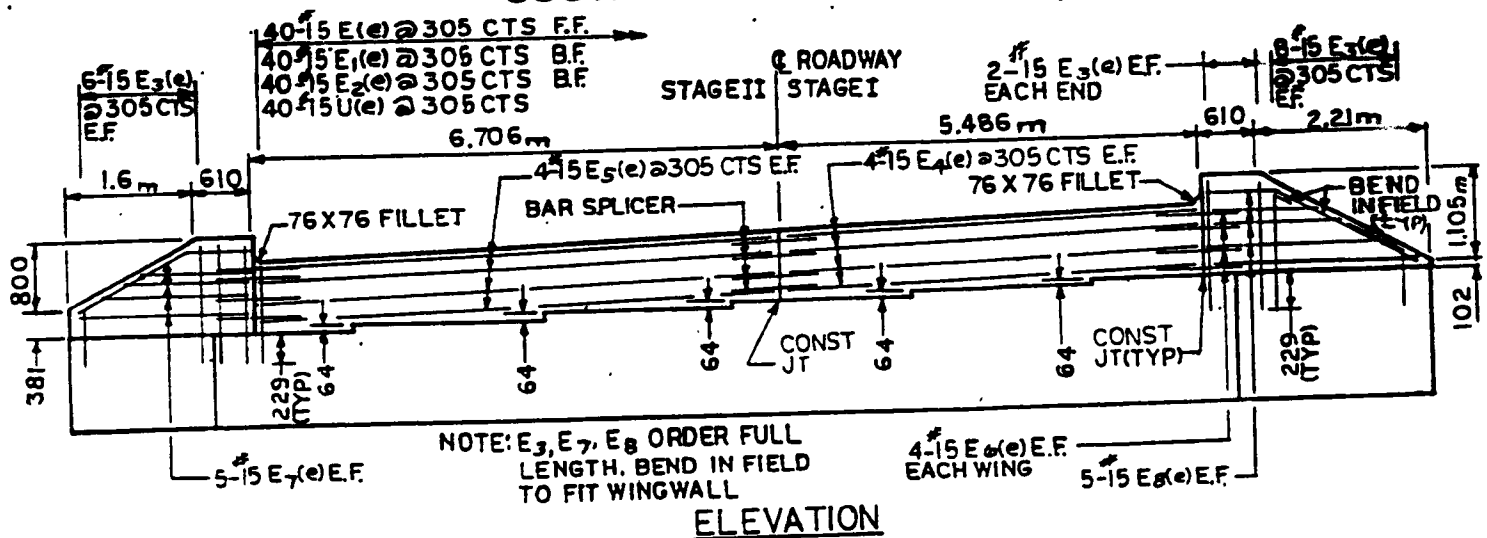


STRUCTURE QUANTITIES

BRIDGE APPROACH PAVEMENT (SPECIAL)	149 m ²
BRIDGE APPROACH PAVT. CONNECTOR (PCC)	52 m ²
BRIDGE DECK GROOVING	651.8 m ²
BRIDGE DECK MICROSILICA OVERLAY	450.8 m ²
BRIDGE SCRAFFICATION	450.8 m ²
CONC. PAVT. SCRAFFICATION	325.8 m ²
BIT. CONC. SURF, CSE, MIX D, CLASS I, TYPE 1	50 MTON
BITUMINOUS SURFACE REMOVAL 40MM	325.8 m ²



PLAN
EXISTING ABUTMENT DETAILS
SN 038-0156 (NB)
SOUTH ABUTMENT



PLAN
PROPOSED ABUTMENT DETAILS
SN 038-0156 (NB)
SOUTH ABUTMENT



KEY

CONCRETE REMOVAL

CONCRETE STRUCTURES

BITUMINOUS SURFACE REMOVAL: 100

CONCRETE BRIDGE DECK SCARIFICATION:

BRIDGE DECK MICROSILICA CONCRETE ON

BRIDGE DECK GROOVING

APPROACH SLAB REMOVAL

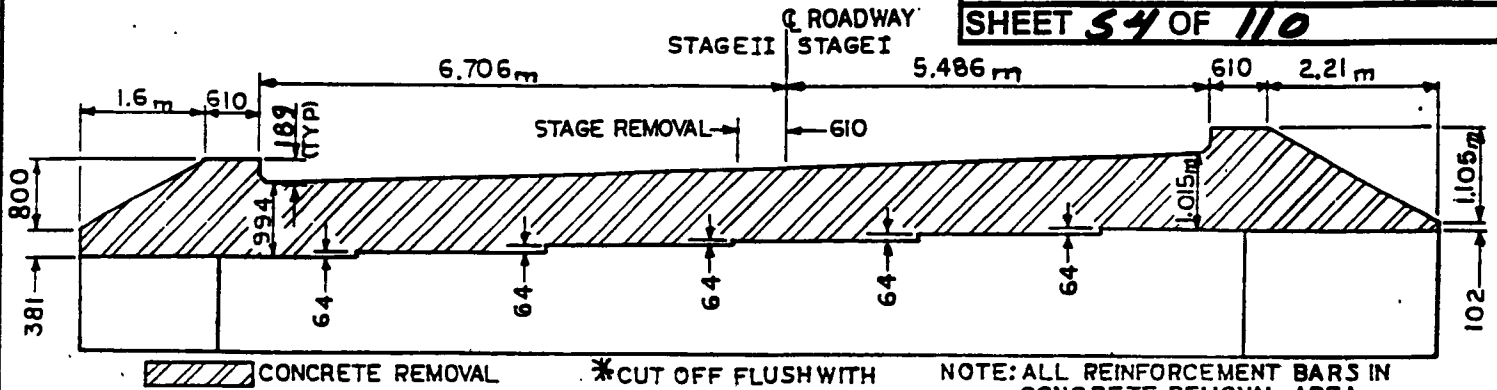
BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR

BITUMINOUS SURFACE REMOVAL 10-

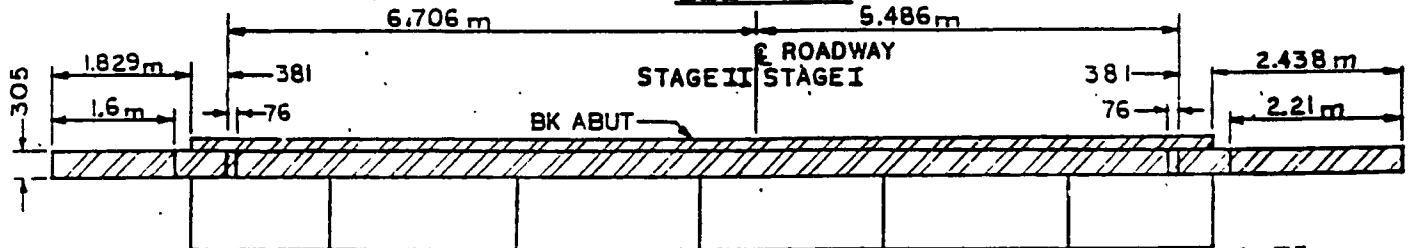
CONCRETE PAVEMENT SCARIFICATION

RIDGE DECK MICROSILICA CONCRETE OVERLAY

BRIDGE DECK GROOVING

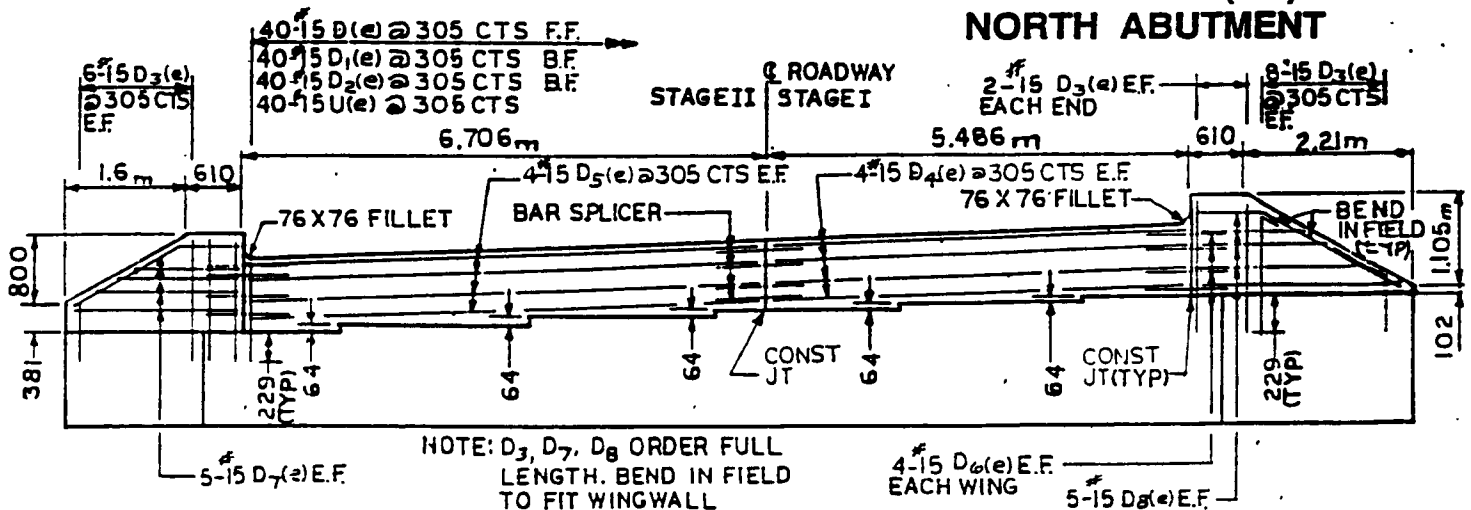


ELEVATION

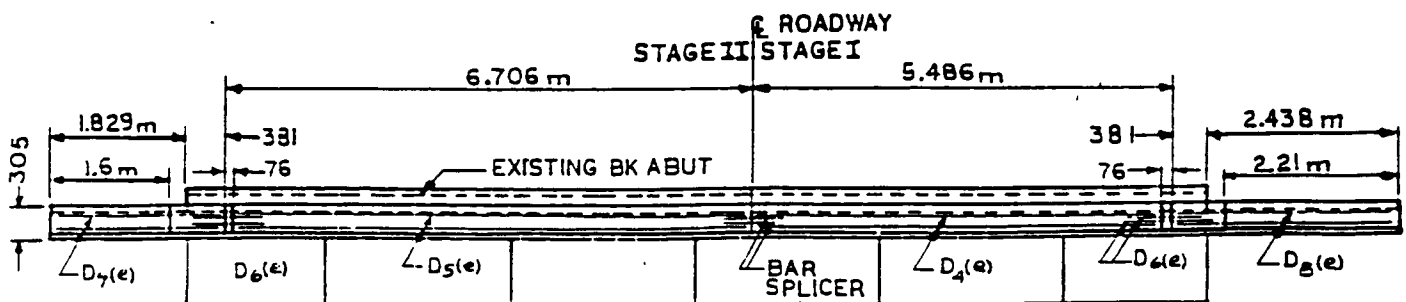


PLAN EXISTING ABUTMENT DETAILS

SN 038-0156 (NB)
NORTH ABUTMENT



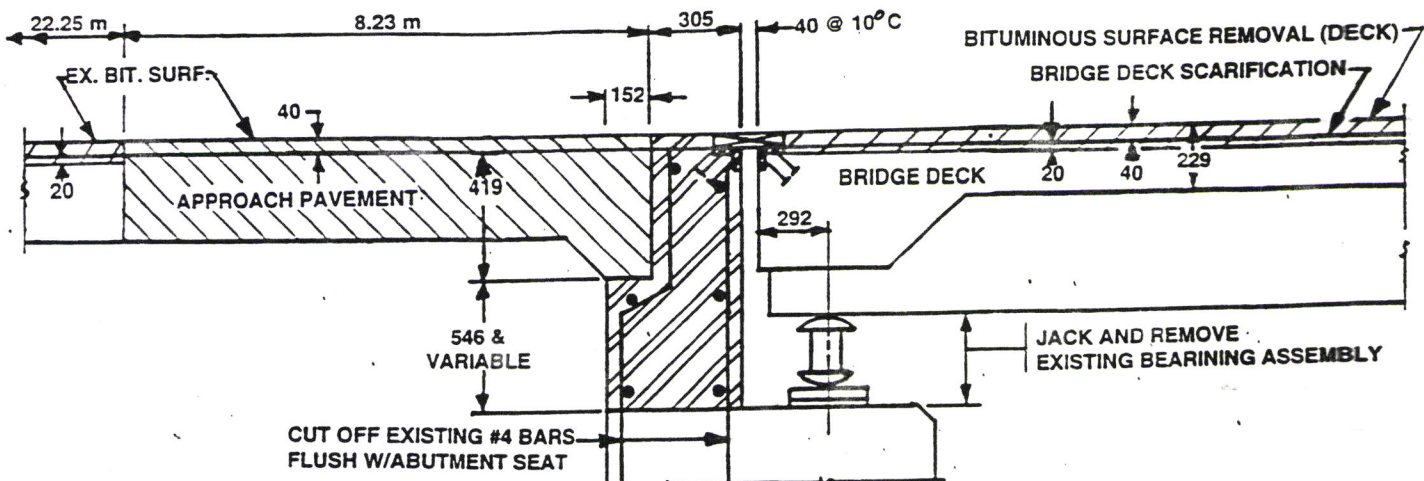
ELEVATION



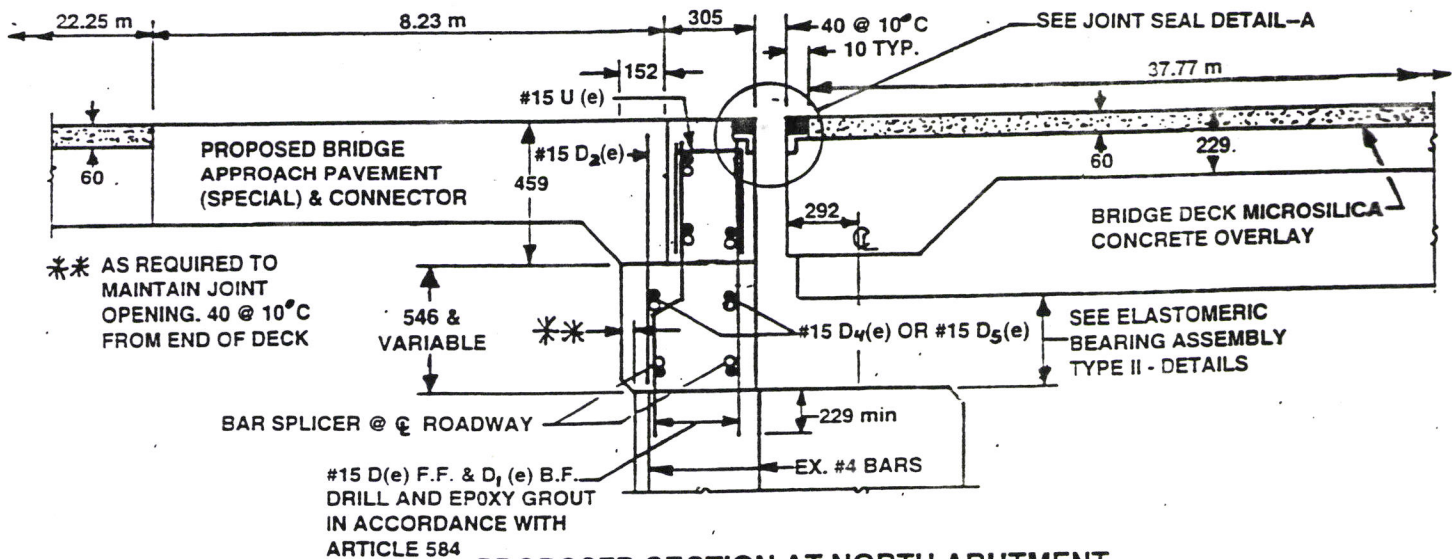
PLAN

PROPOSED ABUTMENT DETAILS

SN 038-0156 (NB)
NORTH ABUTMENT



EXISTING SECTION AT NORTH ABUTMENT
SN 038-0156 (NB)

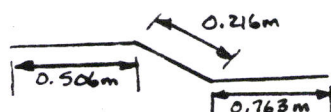


PROPOSED SECTION AT NORTH ABUTMENT
SN 038-0156 (NB)

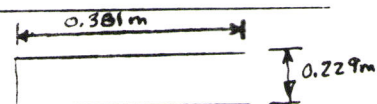
KEY	
	CONCRETE REMOVAL
	CONCRETE STRUCTURES
	BITUMINOUS SURFACE REMOVAL (DECK)
	CONCRETE BRIDGE DECK SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING
	APPROACH SLAB REMOVAL
	BRIDGE APPROACH PAVEMENT (SPECIAL) AND CONNECTOR
	BITUMINOUS SURFACE REMOVAL 40mm
	CONCRETE PAVEMENT SCARIFICATION
	BRIDGE DECK MICROSILICA CONCRETE OVERLAY
	BRIDGE DECK GROOVING

#15 D1(e)

#15 E1(e)



#15 U(e)



REINFORCEMENT SCHEDULE (CORRECTED)

0.763 m

REINFORCEMENT SCHEDULE (CORRECTED)													
STAGE I CONSTRUCTION							STAGE II CONSTRUCTION						
STRUCT. NUMBER	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	BAR	SIZE	NO.	LENGTH meter	SHAPE	WEIGHT kg	
SN 038-0156 (NB) NORTH ABUTMENT	D(e)	#15	19	1.118		33	D(e)	#15	22	1.118		39	
	D1(e)	#15	19	1.485		44	D1(e)	#15	22	1.485		51	
	D2(e)	#15	19	0.851		25	D2(e)	#15	22	0.851		29	
	D3(e)	#15	20	2.744		86	D3(e)	#15	16	2.744		69	
	D4(e)	#15	8	5.791		73							
							D5(e)	#15	8	7.011		88	
	D6(e)	#15	8	1.524		19	D6(e)	#15	8	1.524		19	
	D7(e)	#15	10	2.134		34							
	U(e)	#15	19	0.991		30	D8(e)	#15	10	2.744		43	
						U(e)	#15	22	0.991		34		
SN 038-0156 (NB) SOUTH ABUTMENT	E(e)	#15	19	1.118		33	E(e)	#15	22	1.118		39	
	E1(e)	#15	19	1.485		44	E1(e)	#15	22	1.485		51	
	E2(e)	#15	19	0.851		25	E2(e)	#15	22	0.851		29	
	E3(e)	#15	20	2.744		86	E3(e)	#15	16	2.744		69	
	E4(e)	#15	8	5.791		73							
							E5(e)	#15	8	7.011		88	
	E6(e)	#15	8	1.524		19	E6(e)	#15	8	1.524		19	
	E7(e)	#15	10	2.134		34							
							E8(e)	#15	10	2.744		43	
	U(e)	#15	19	0.991		30	U(e)	#15	22	0.991		34	
REINFORCEMENT BARS (EPOXY)						688	REINFORCEMENT BARS (EPOXY)						745

* NOTE: NUMBER WAS INCREASED.

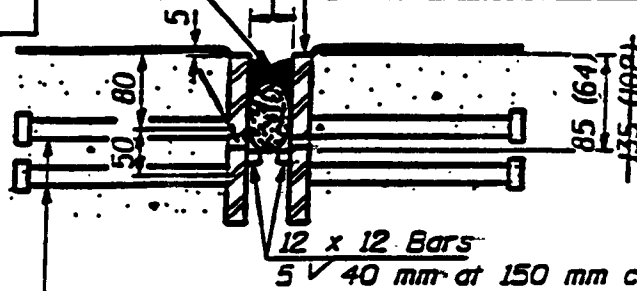
*50 mm @ 10°C

SEE SILICONE JOINT SEALER DETAILS

12 mm ϕ Holes at 300 mm cts. for 10 mm ϕ bolts. All bolts shall be burned, sawed or chipped off flush with the plates after forms are removed. (Typ.)

20 x 180 Plate

Fabricate to crown (Typ.)
Furnish in segments of 6 m maximum length. Maximum space between installed segments shall be 5 mm. Seal space with Silicone Sealant suitable for Structural Steel.

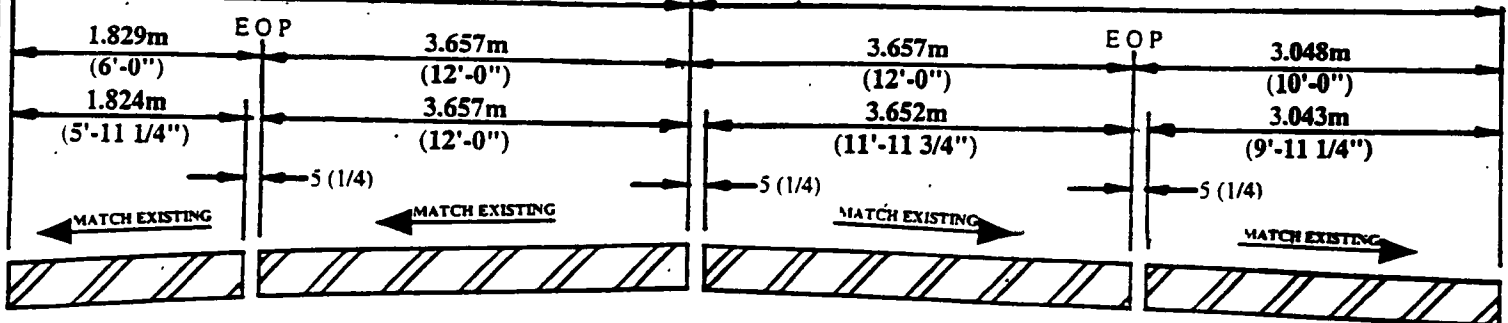


19 mm ϕ x 200 mm Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Spec's. automatically end welded at 300 Alt. cts.

STAGE I CONSTRUCTION

℄ OF ROADWAY

STAGE II CONSTRUCTION



NOTES:

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) PARALLEL TO JOINT UNLESS OTHERWISE NOTED.

AFTER FABRICATION ALL SURFACES OF STEEL PLATES SHALL BE GIVEN ONE SHOP COAT OF PAINT SPECIFIED FOR STRUCTURAL STEEL. NO FIELD PAINTING WILL BE REQUIRED.

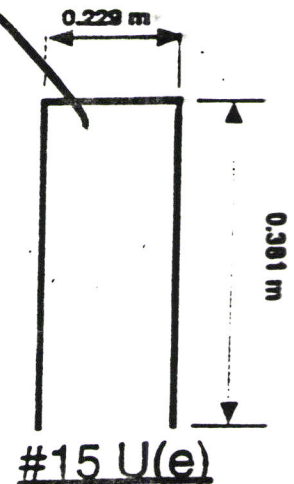
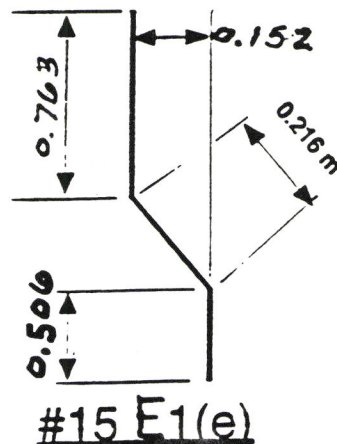
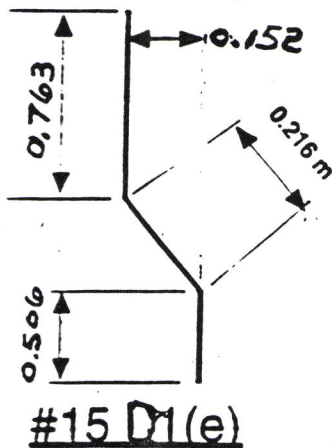
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK COMPLETED.

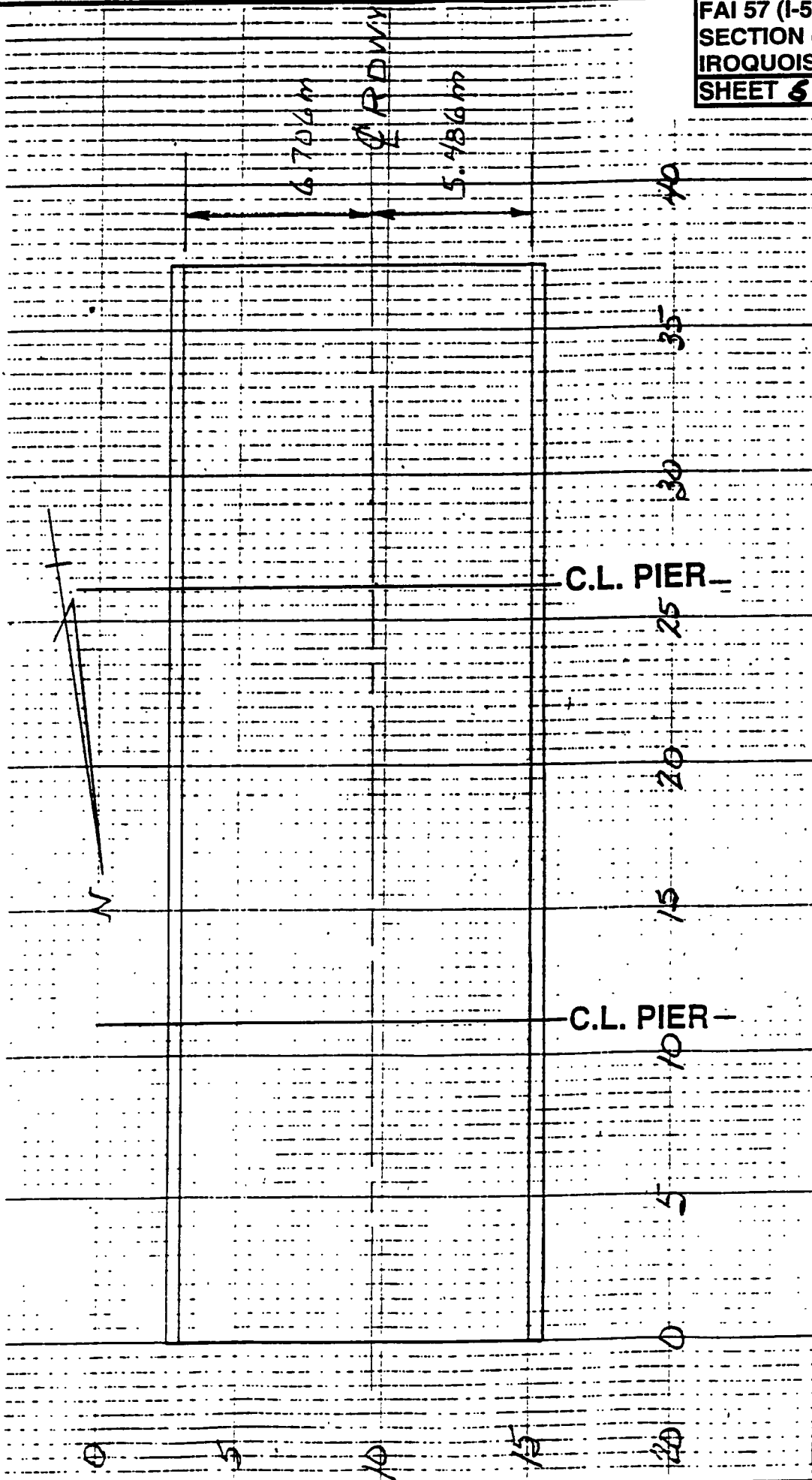
STRUCTURAL STEEL DETAILS

SN 038-0156 SOUTH ABUTMENT

REINFORCEMENT SCHEDULE

S.N.	BAR	SIZE	NO.	LENGTH	Kg/M	SHAPE	WEIGHT	BAR	SIZE	NO.	LENGTH	Kg/M	SHAPE	WEIGHT
				METER			Kg				METER			Kg
STAGE I CONSTRUCTION								STAGE II CONSTRUCTION						
SN 038-0156 (NB) NORTH ABUTMENT	D(e)	#15	19	1.118	1.570		33	D(e)	#15	21	1.118	1.570		37
	D1(e)	#15	19	1.485	1.570		44	D1(e)	#15	21	1.485	1.570		49
	D2(e)	#15	19	0.851	1.570		25	D2(e)	#15	21	0.851	1.570		28
	D3(e)	#15	20	2.744	1.570		86	D3(e)	#15	16	2.744	1.570		69
	D4(e)	#15	8	5.791	1.570		73							
	D6(e)	#15	8	1.524	1.570		19	D5(e)	#15	8	7.011	1.570		88
	D8(e)	#15	10	2.134	1.570		34	D6(e)	#15	8	1.524	1.570		19
	U(e)	#15	19	0.991	1.570		30	D8(e)	#15	10	2.744	1.570		43
SN 038-0156 (NB) SOUTH ABUTMENT	E(e)	#15	19	1.118	1.570		33	U(e)	#15	21	0.991	1.570		33
	E1(e)	#15	19	1.485	1.570		44	E(e)	#15	21	1.118	1.570		37
	E2(e)	#15	19	0.851	1.570		25	E1(e)	#15	21	1.485	1.570		49
	E3(e)	#15	20	2.744	1.570		86	E2(e)	#15	21	0.851	1.570		28
	E4(e)	#15	8	5.791	1.570		73	E3(e)	#15	16	2.744	1.570		69
	E6(e)	#15	8	1.524	1.570		19	E5(e)	#15	8	7.011	1.570		88
	E7(e)	#15	10	2.134	1.570		34	E6(e)	#15	8	1.524	1.570		19
	U(e)	#15	19	0.991	1.570		30	E7(e)	#15	10	2.744	1.570		43
688 REINFORCEMENT BARS (EPOXY COTED)								732						
REINFORCEMENT BARS (EPOXY COTED)								8						
BAR SPLICER								8						
F & E STRUCTURAL STEEL								0.25						
CONCRETE STRUCTURES								0.25						
7.57								6.0						
4.9														



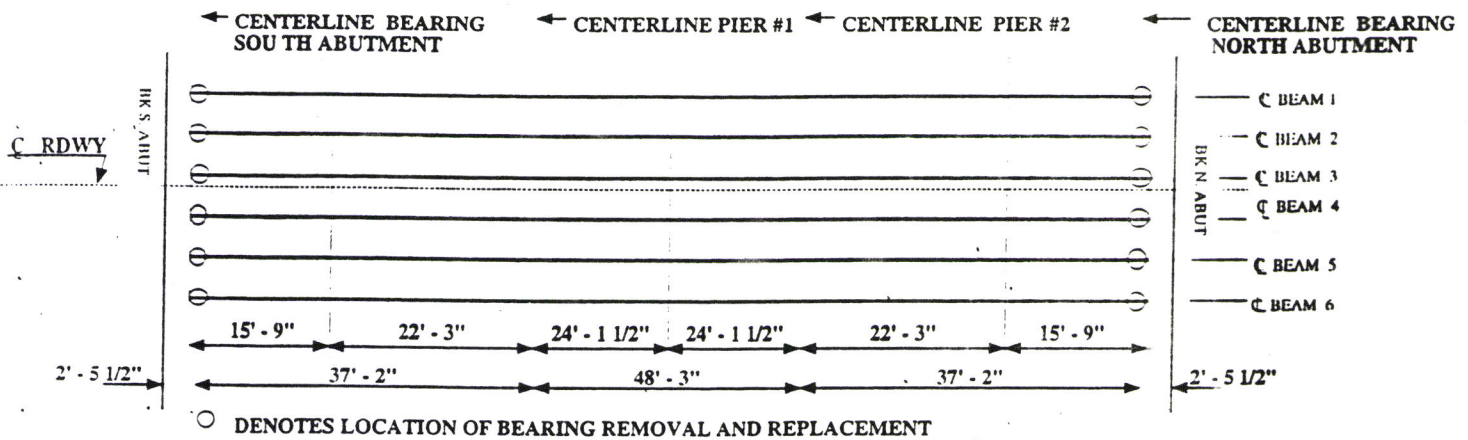


SCALE 1:200

It has been estimated that approximately 5% of the deck surface will require Partial Depth Deck Repairs. These repairs shall be performed after Bridge Deck Scarification and prior to Micorcllica Overlay. 25 square meters of Partial Depth Deck Repair have been Included for Structure No. 038-0156.

PARTIAL DEPTH DECK REPAIR RECORD

S.N.038-0156(N.B.)



FRAMING PLAN SN 038 - 0156

INTERIOR GIRDER REACTION TABLE SN 038 - 0156			
		NORTH ABUT.	SOUTH ABUT.
DEAD LOAD	(KIPS)	15.3	15.3
LIVE LOAD	(KIPS)	30.9	30.9
IMPACT	(KIPS)	9.3	9.3
TOTAL REACTION	(KIPS)	55.5	55.5

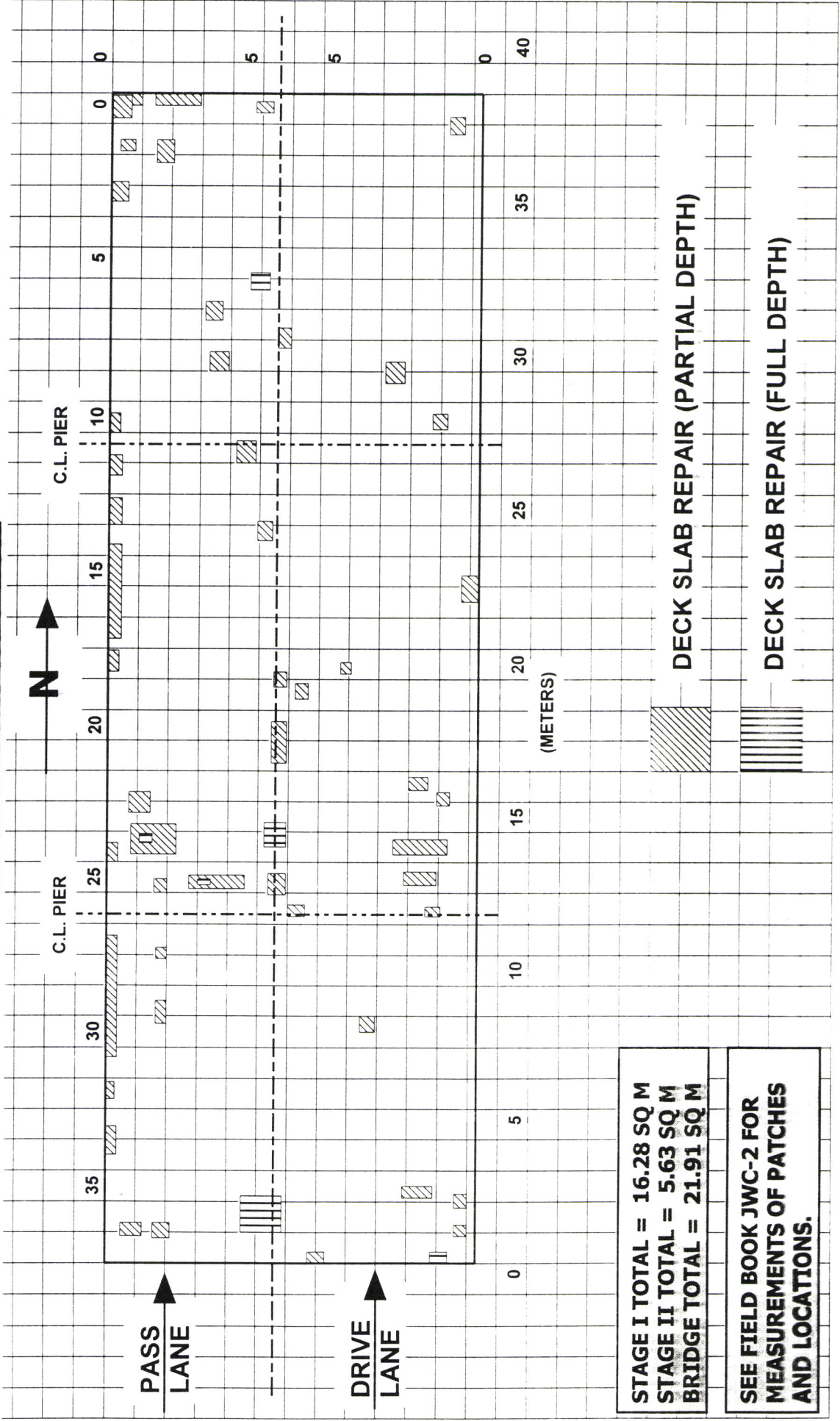
REQUIRED SHIMS SN 038 - 0156		
	NORTH ABUT.	SOUTH ABUT.
GIRDER 1	-	-
GIRDER 2	-	-
GIRDER 3	-	-
GIRDER 4	-	-
GIRDER 5	-	-
GIRDER 6	-	-

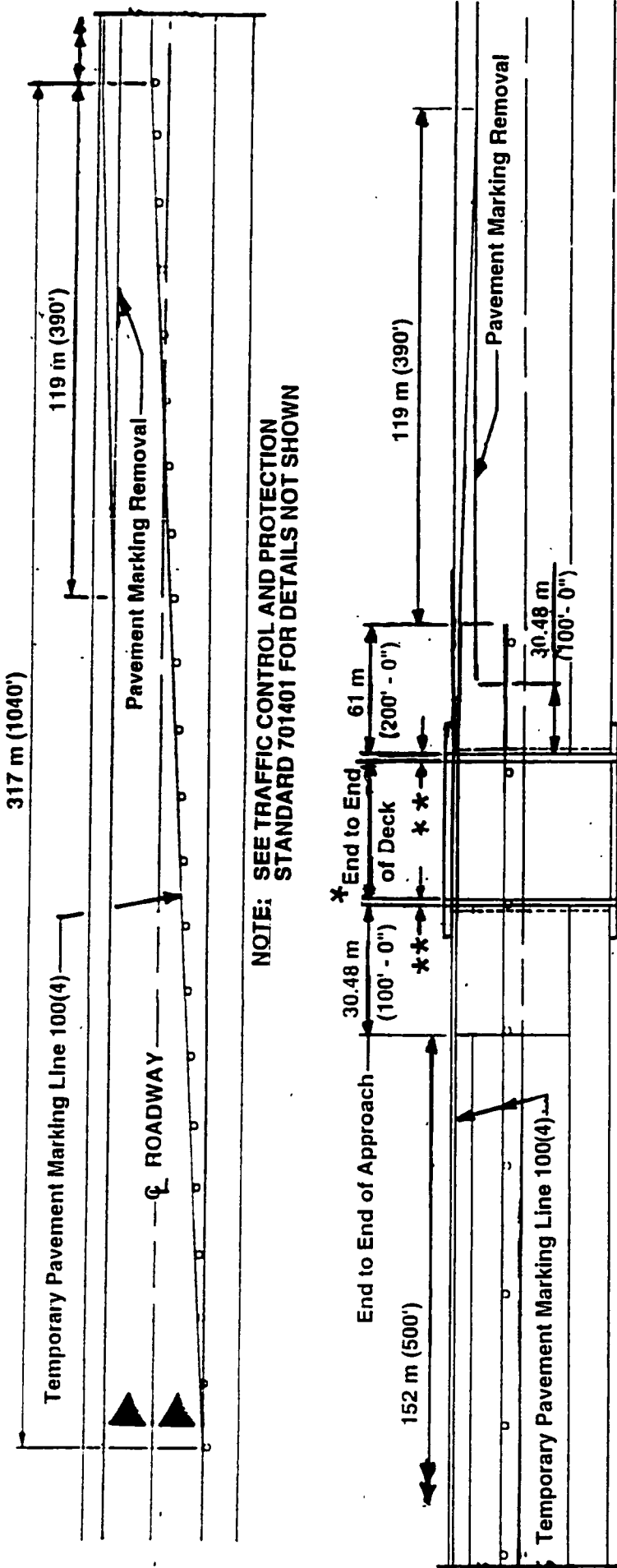
NOTES:

All Bearing Details are in English Units
Additional Shim Plates if required will be placed as directed by the Engineer.
New bearings shall be ELASTOMERIC TYPE II with Steel Pedestal.
See ELASTOMERIC BEARING TYPE II /w PEDESTAL DETAILS

SN 038-0156 (NB)

DECK SLAB REPAIR



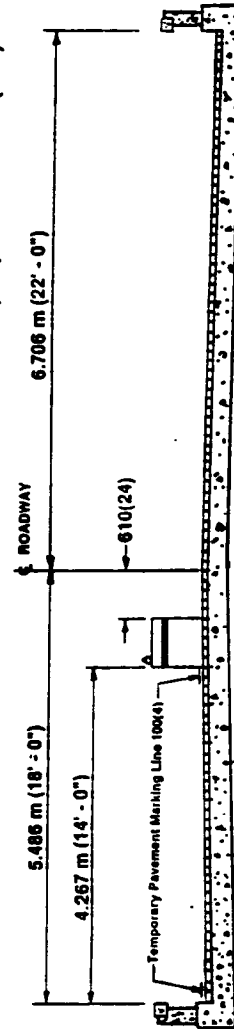


NOTE: SEE TRAFFIC CONTROL AND PROTECTION
STANDARD 701401 FOR DETAILS NOT SHOWN

○ DRUM WITH STEADY BURNING
MONODIRECTIONAL LIGHT

South Abutment * END TO END OF DECK

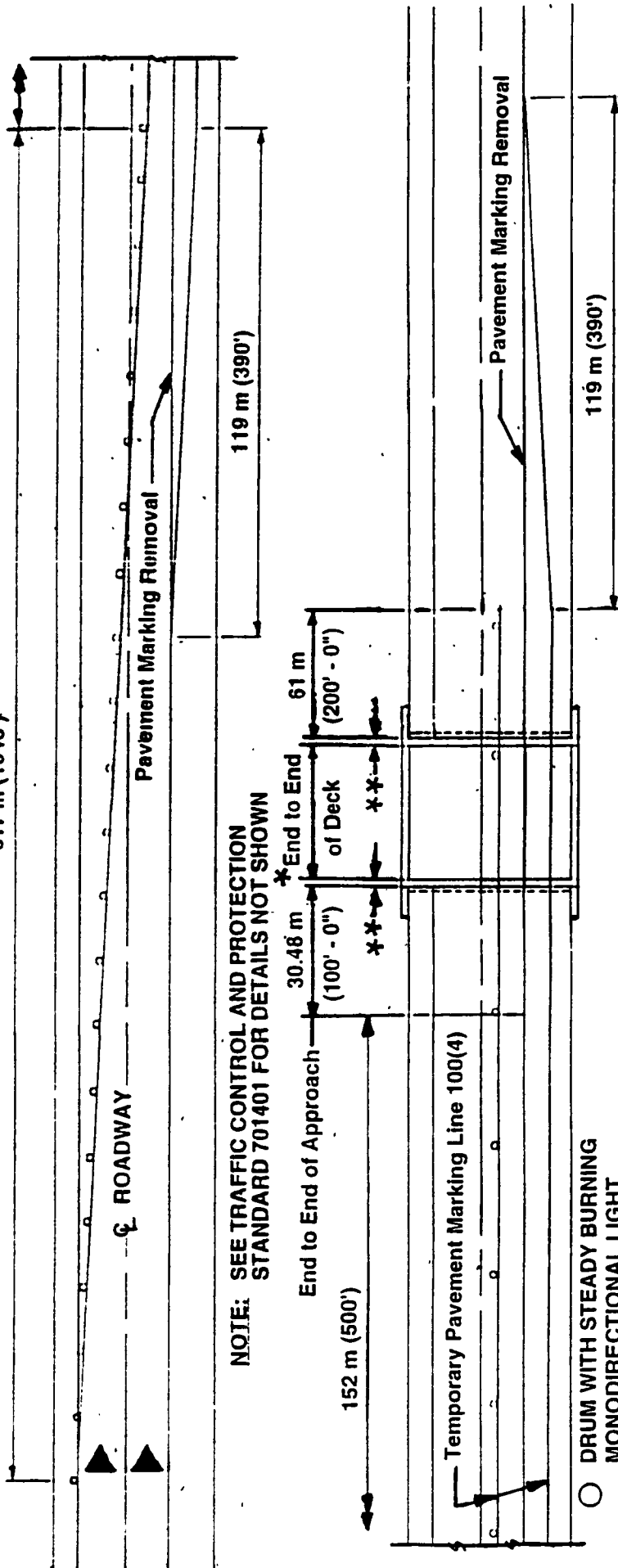
North Abutment	South Abutment
S.N. 038-0147 (SB) & 038-0148 (NB) = 343(13 1/2")	S.N. 038-0147 (SB) & 038-0148 (NB) = 31.013 m (101' - 9")
S.N. 038-0149 (SB) = 0	S.N. 038-0149 (SB) = 8.369 m (27' - 5 1/2")
S.N. 038-0151 (SB) & 038-0152 (NB) = 343(13 1/2")	S.N. 038-0151 (SB) & 038-0152 (NB) = 27.495 m (90' - 2 1/2")
S.N. 038-0153 (SB) & 038-0154 (NB) = 349(13 3/4")	S.N. 038-0153 (SB) & 038-0154 (NB) = 29.750 m (97' - 7 1/4")
S.N. 038-0155 (SB) & 038-0156 (NB) = 343(13 1/2")	S.N. 038-0155 (SB) & 038-0156 (NB) = 37.871 m (124' - 3")



**SECTION
STAGE II**

**TRAFFIC CONTROL AND PROTECTION
STAGE II (TYPICAL)**

317 m (1040')



NOTE: SEE TRAFFIC CONTROL AND PROTECTION
STANDARD 701401 FOR DETAILS NOT SHOWN

End to End of Approach 30.48 m (100' - 0'') * End to End of Deck 61 m (200' - 0'')

Temporary Pavement Marking Line 100(4)

Pavement Marking Removal

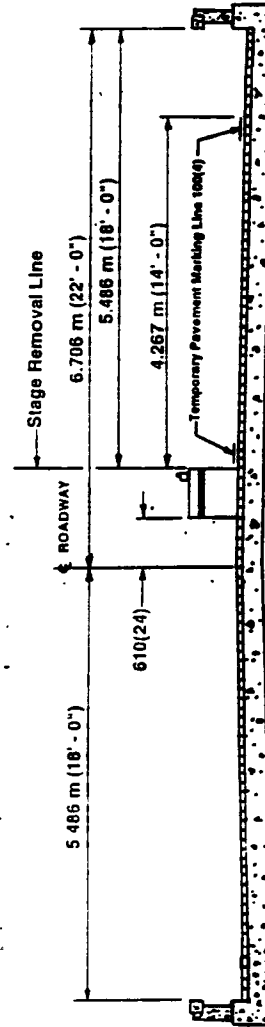
○ DRUM WITH STEADY BURNING
MONODIRECTIONAL LIGHT

119 m (390')

North Abutment * END TO END OF DECK

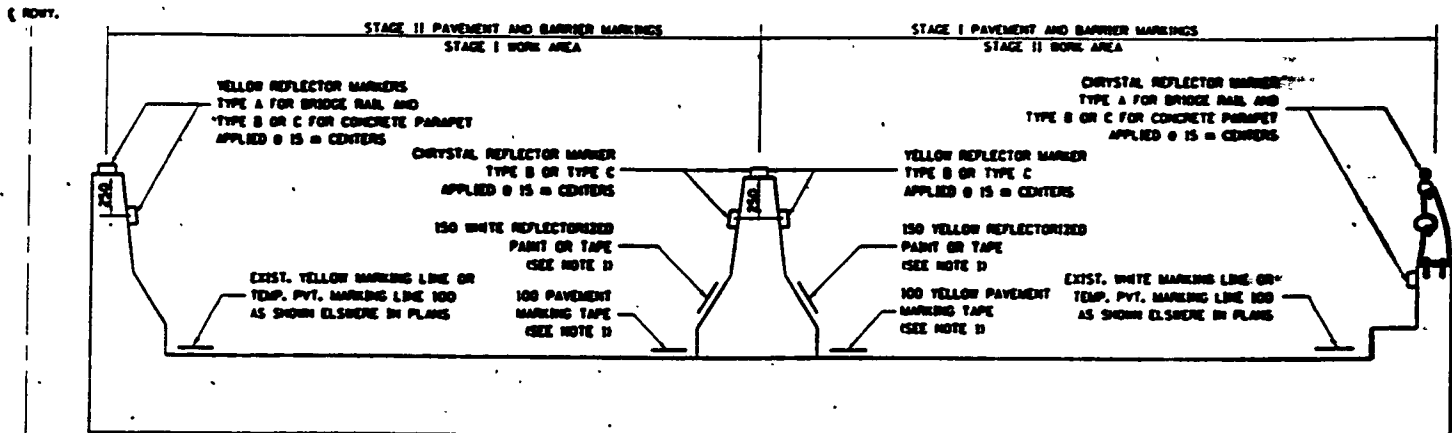
* S.N. 038-0147 (SB) & 038-0148 (NB) = 31.013 m (101' - 9")	S.N. 038-0147 (SB) & 038-0148 (NB) = 31.013 m (101' - 9")
S.N. 038-0149 (SB) = 8.369 m (27' - 5 1/2")	S.N. 038-0149 (SB) = 8.369 m (27' - 5 1/2")
S.N. 038-0151 (SB) & 038-0152 (NB) = 27.495 m (90' - 2 1/2")	S.N. 038-0151 (SB) & 038-0152 (NB) = 27.495 m (90' - 2 1/2")
S.N. 038-0153 (SB) & 038-0154 (NB) = 29.750 m (97' - 7 1/4")	S.N. 038-0153 (SB) & 038-0154 (NB) = 29.750 m (97' - 7 1/4")
S.N. 038-0155 (SB) & 038-0156 (NB) = 37.871 m (124' - 3")	S.N. 038-0155 (SB) & 038-0156 (NB) = 37.871 m (124' - 3")

* S.N. 038-0147 (SB) & 038-0148 (NB) = 343(13 1/2")	343(13 1/2")
S.N. 038-0149 (SB) = 0	0
S.N. 038-0151 (SB) & 038-0152 (NB) = 343(13 1/2")	343(13 1/2")
S.N. 038-0153 (SB) & 038-0154 (NB) = 349(13 3/4")	349(13 3/4")
S.N. 038-0155 (SB) & 038-0156 (NB) = 343(13 1/2")	343(13 1/2")

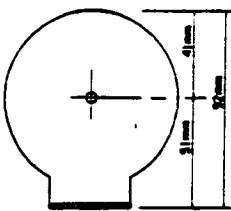
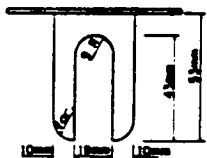


SECTION STAGE I

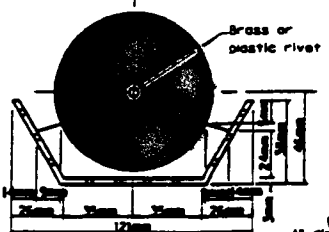
TRAFFIC CONTROL AND PROTECTION STAGE I (TYPICAL)



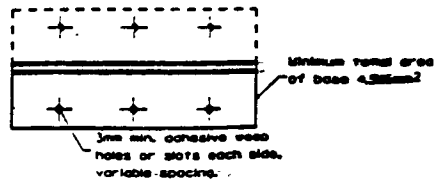
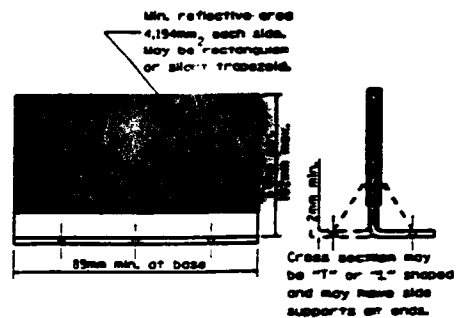
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE BARRIER WALL MARKERS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE COLOR OF THE EDGELINE IN THE WORK AREA.
3. THE COLOR OF THE GUARDRAIL MARKERS SHALL MATCH THE COLOR OF THE ADJACENT EDGELINE.
4. EXISTING GUARD RAIL WITHIN 150 m OF THE WORK ZONE SHALL BE DELINATED WITH TYPE A GUARD RAIL REFLECTORS APPLIED AT 15 m CENTERS.



REFLECTOR MARKER
TYPE A

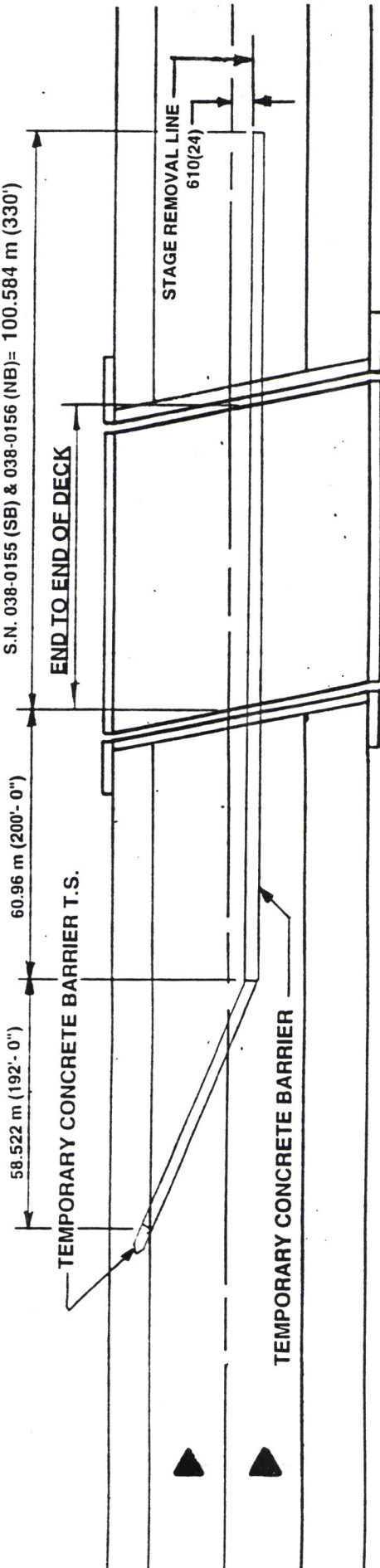


REFLECTOR MARKER
TYPE B



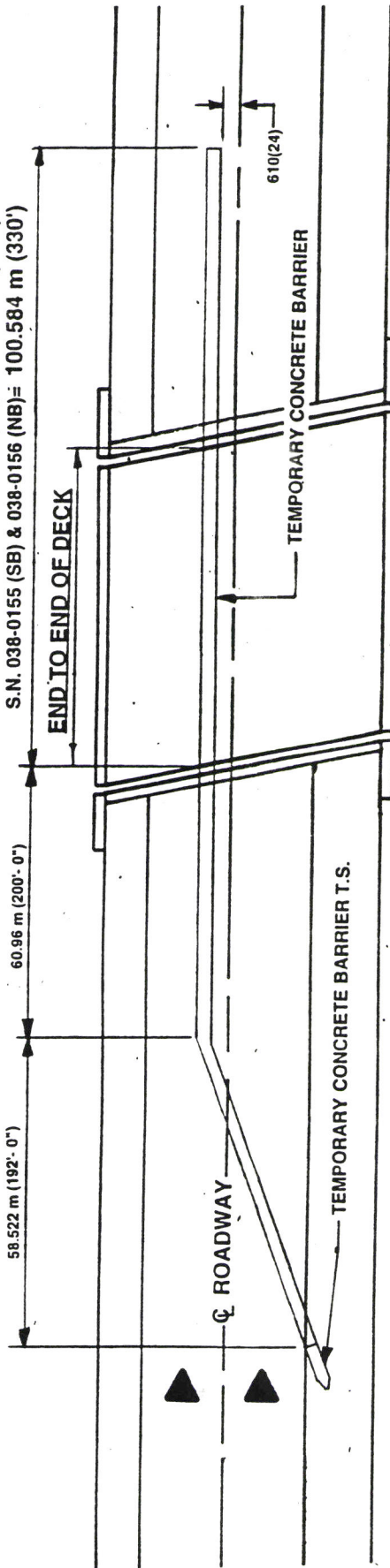
REFLECTOR MARKER
TYPE C

S.N. 038-0147 (SB) & 038-0148 (NB)= 91.44 m (300')
S.N. 038-0151 (SB) & 038-0152 (NB)= 88.392 m (290')
S.N. 038-0155 (SB) & 038-0156 (NB)= 100.584 m (330')



STAGE I

S.N. 038-0147 (SB) & 038-0148 (NB)= 91.44 m (300')
S.N. 038-0151 (SB) & 038-0152 (NB)= 88.392 m (290')
S.N. 038-0155 (SB) & 038-0156 (NB)= 100.584 m (330')



STAGE II

TYPICAL

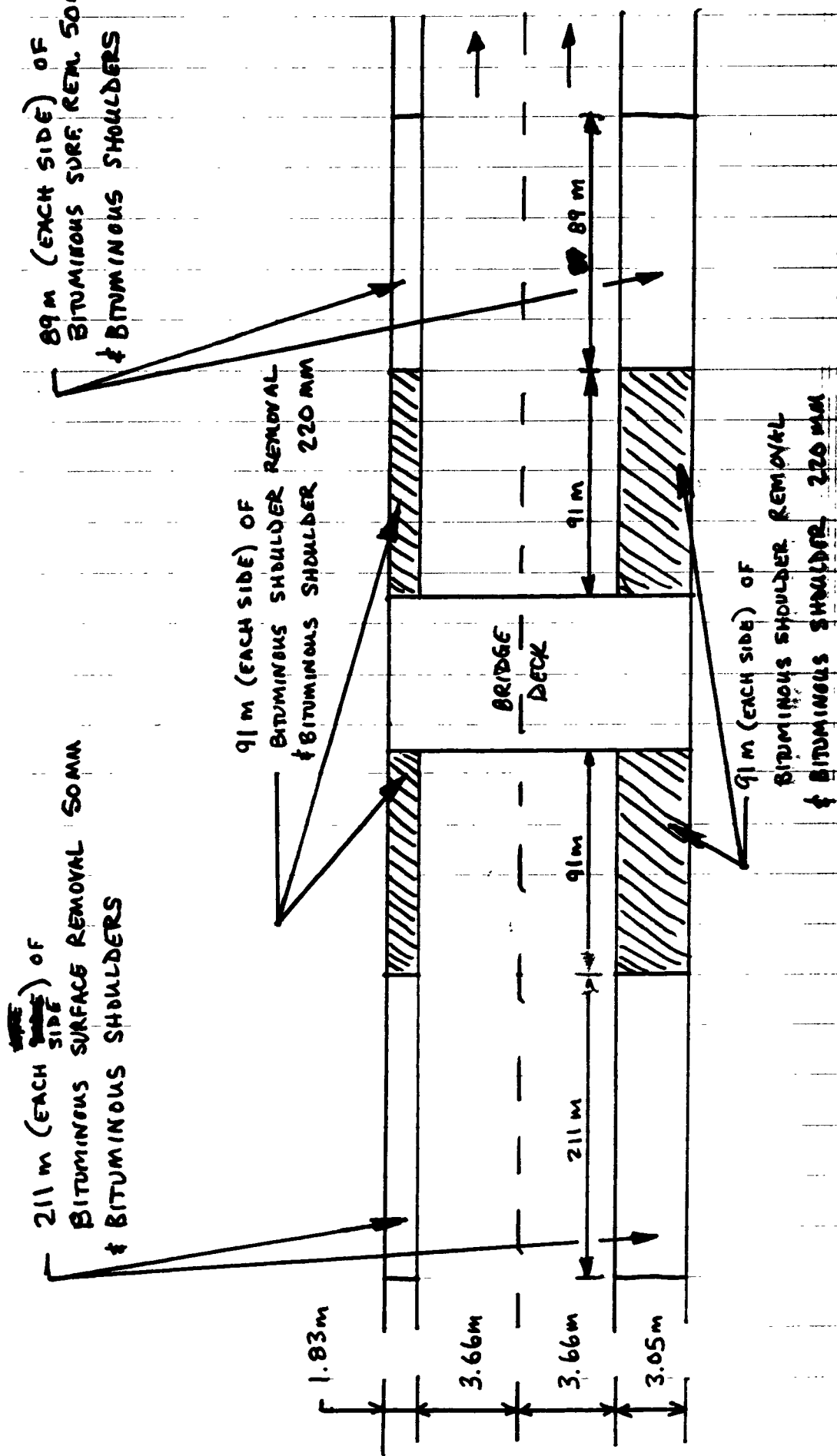
TEMPORARY CONCRETE BARRIER DETAILS

S.N. 038-0147 (SB) SN 038-0148 (NB)
S.N. 038-0151 (SB) SN 038-0152 (NB)
S.N. 038-0155 (SB) SN 038-0156 (NB)

2011-01-11

二

TYPICAL SHOULDER REPLACEMENT FOR ALL STRUCTURES.



FAI 57(I-57)

SECTION (38-8B,7B-1,7B,6B-1,6B)

IROQUOIS COUNTY

SHEET 64 OF 110

Silicone Bridge Joint Sealer
16 (5/8")
Thickness at top of backer rod
Top of sealant recess 19(3/4)
From roadway surface

Roadway surface

EXISTING EXP STEEL

EXISTING CONCRETE DECK

Top of backer rod
Recess 35 (1 3/8")
From roadway surface

The Backer Rod Shall Be 25% To 33%
Larger Than The Actual Joint Opening
At Time Of Installation.

PROPOSED EXP STEEL

PROPOSED CONCRETE STRUCTURE

JOINT SEAL DETAIL-B

FAI 5/(I-5/)

SECTION (38-8B,7B-1,7B,6B-1,6B)

IROQUOIS COUNTY

SHEET 63 OF 110

Silicone Bridge Joint Sealer
16 (5/8")
Thickness at top of backer rod
Top of sealant recess 19(3/4)
From roadway surface

102

Roadway surface

POLYMER CONCRETE 40 60

BRIDGE DECK MICROSILICA
CONCRETE OVERLAY

EXISTING EXP STEEL

EXISTING CONCRETE DECK

JOINT SEAL DETAIL-A

Top of backer rod
Recess 35 (1 3/8")
From roadway surface

89

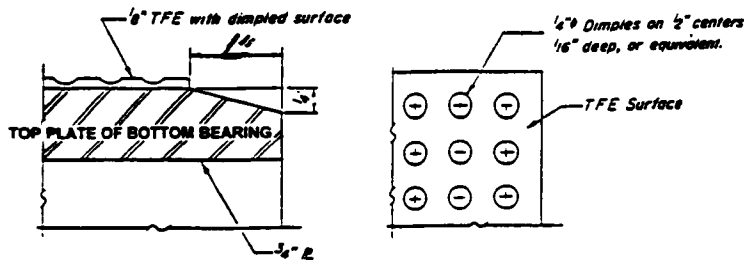
The Backer Rod Shall Be 25% To 33%
Larger Than The Actual Joint Opening
At Time Of Installation.

POLYMER CONCRETE

PROPOSED CONCRETE STRUCTURE

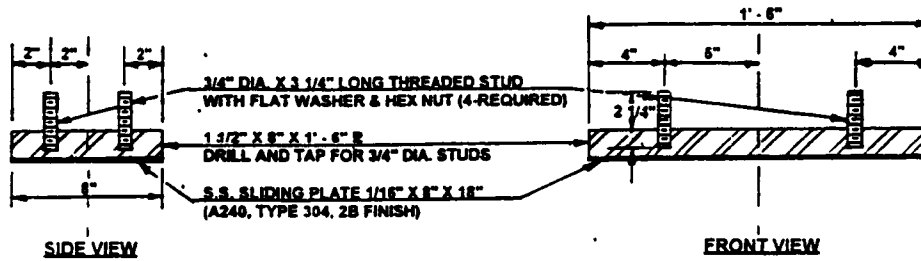
JOINT SEAL - DETAIL A

Revised 03/25/99

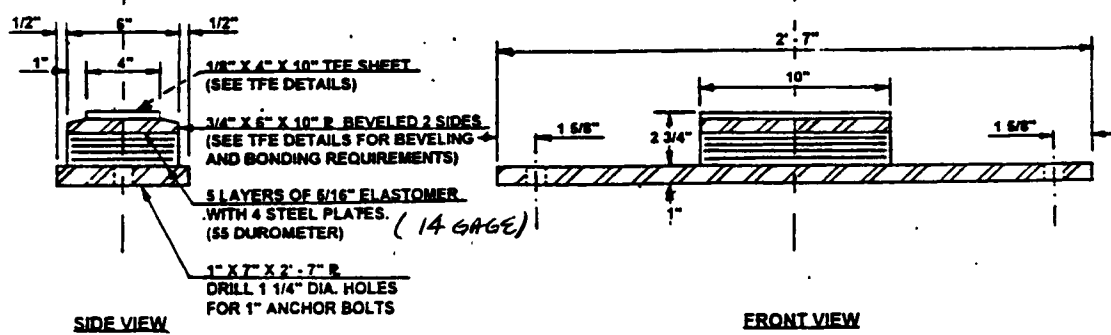


Note: The 1/4" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type 1. The bond agent shall be applied on the full area of the contact surfaces.

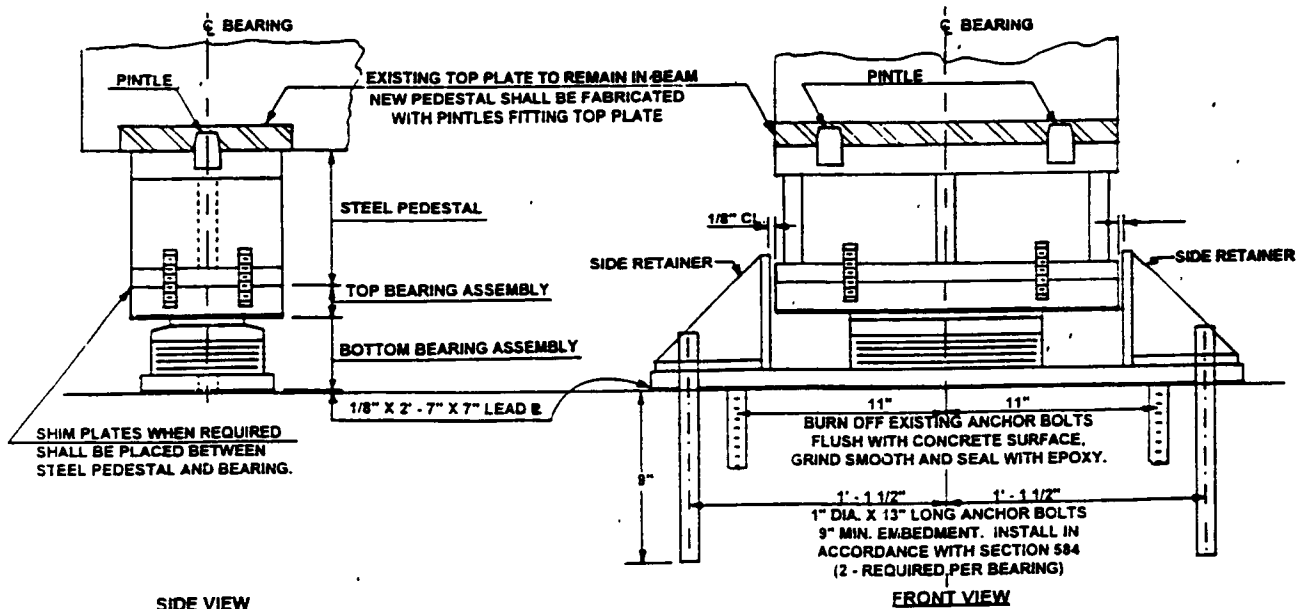
TFE DETAILS



TOP BEARING ASSEMBLY

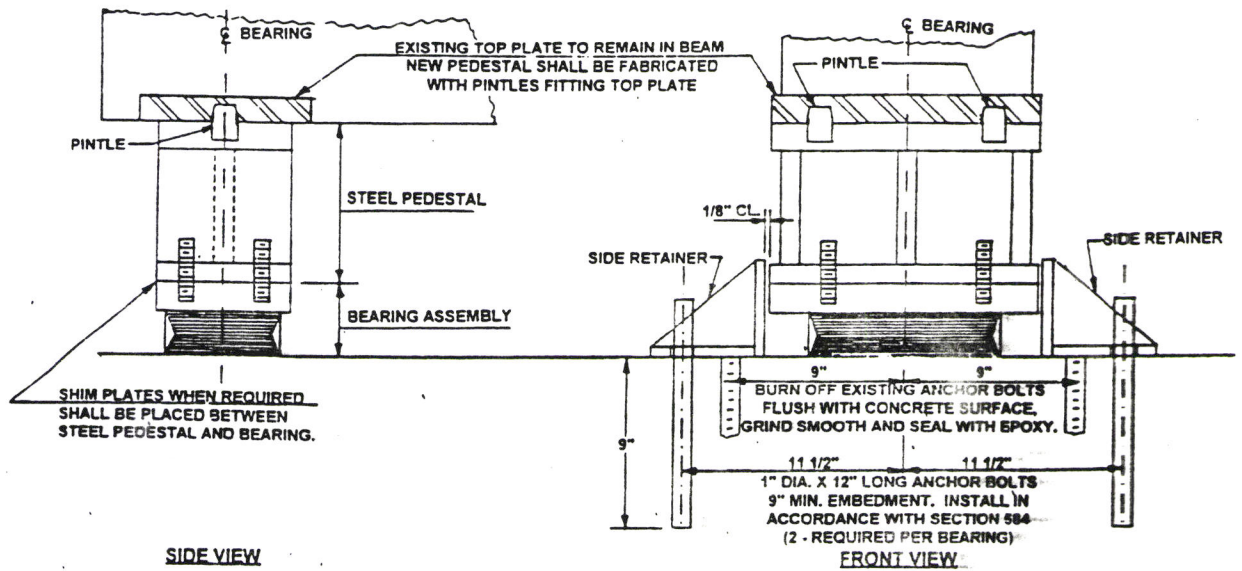


BOTTOM BEARING ASSEMBLY

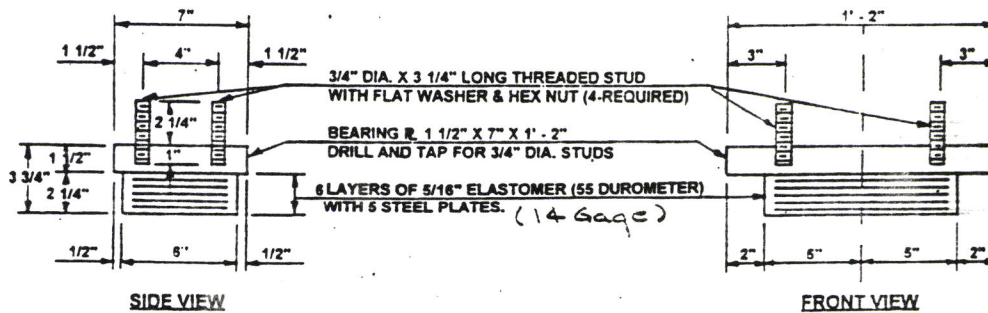


BEARING - PEDESTAL ASSEMBLY DETAILS

ELASTOMERIC BEARING TYPE II DETAILS



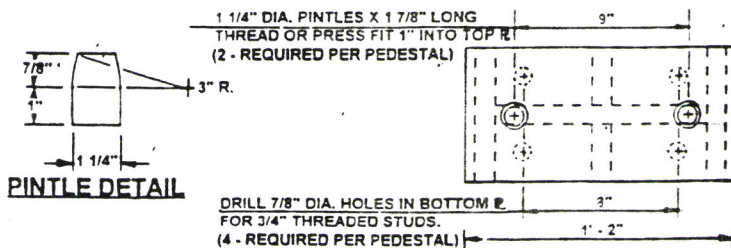
BEARING - PEDESTAL ASSEMBLY DETAILS



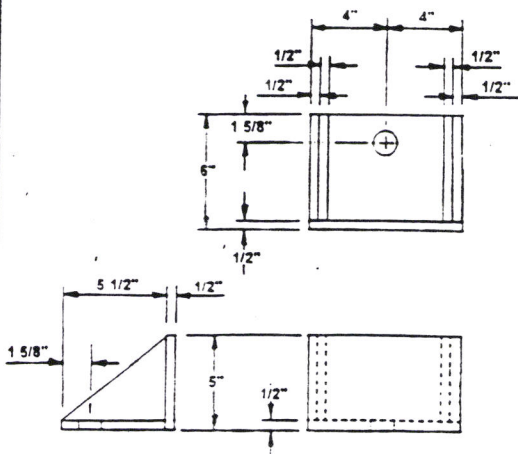
ELASTOMERIC BEARING TYPE I DETAILS

NOTE: SIDE RETAINERS, SHIM PLATES, PEDESTALS, ANCHOR BOLTS AND DRILLING OF HOLES ARE INCLUDED IN F & E STRUCTURAL STEEL.

FULL PERIMETER WELDS REQUIRED ON ALL STRUCTURAL STEEL PLATES



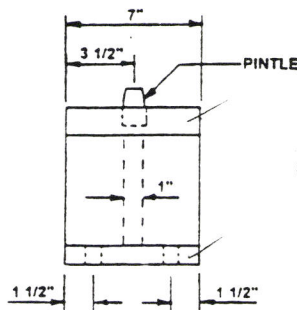
PINTLE DETAIL



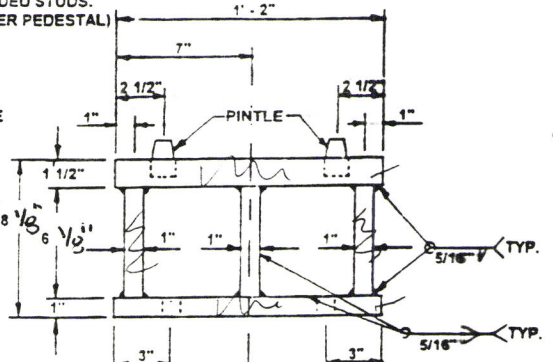
SIDE VIEW

FRONT VIEW

SIDE RETAINER DETAILS



SIDE VIEW

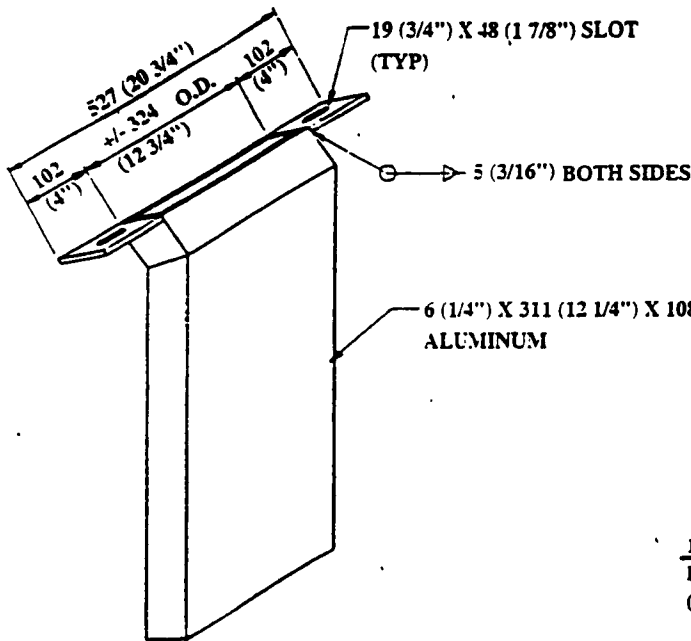


FRONT VIEW

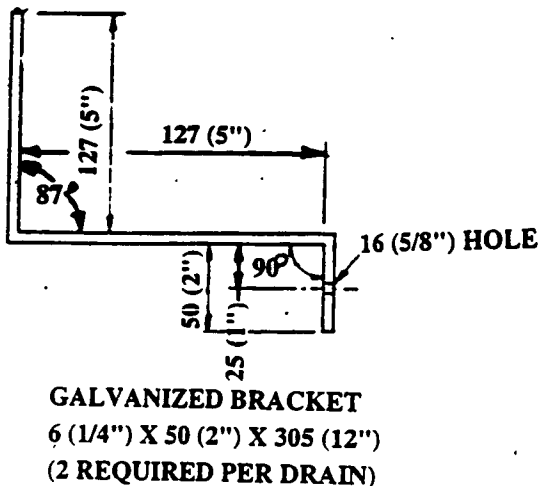
PEDESTAL DETAILS

ELASTOMERIC BEARING TYPE I DETAILS

Weight of one Pedestal
125 Pounds
(56.75 Kg)



DRAIN EXTENSION

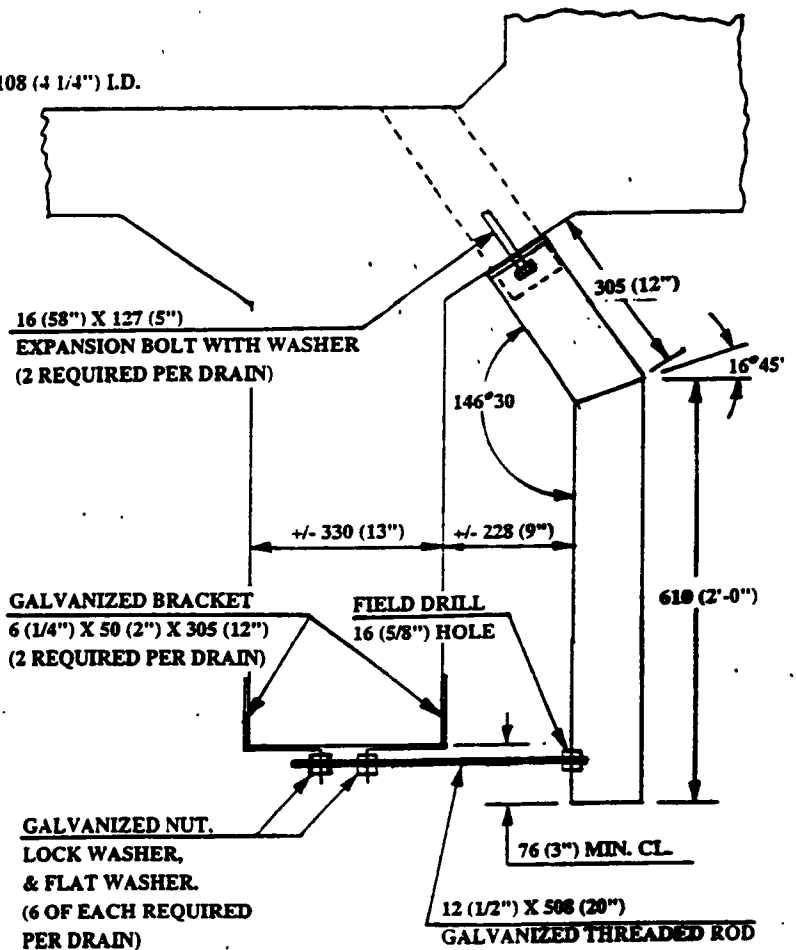


BRACKET DETAIL

NOTE: EXISTING FLOOR DRAINS WITHIN 1.5m OF PIERS OR ABUTMENTS SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER. EXPANSION BOLTS, WASHERS, NUTS, THREADED RODS, BRACKETS AND PLUGGING DRAINS WITHIN 1.5m OF PIERS AND ABUTMENTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR "FLOOR DRAIN EXTENSION".

FLOOR DRAIN EXTENSION DETAILS

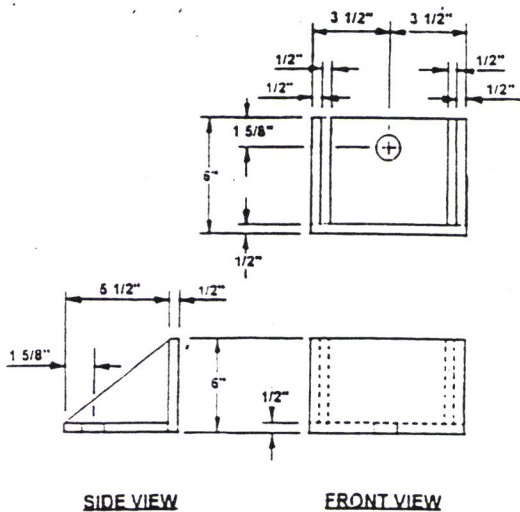
STRUCTURE NO. 038-0147 (SB) - 56 REQUIRED
STRUCTURE NO. 038-0148 (NB) - 56 REQUIRED
STRUCTURE NO. 038-0153 (SB) - 52 REQUIRED
STRUCTURE NO. 038-0154 (NB) - 52 REQUIRED
STRUCTURE NO. 038-0155 (SB) - 68 REQUIRED
STRUCTURE NO. 038-0156 (NB) - 68 REQUIRED



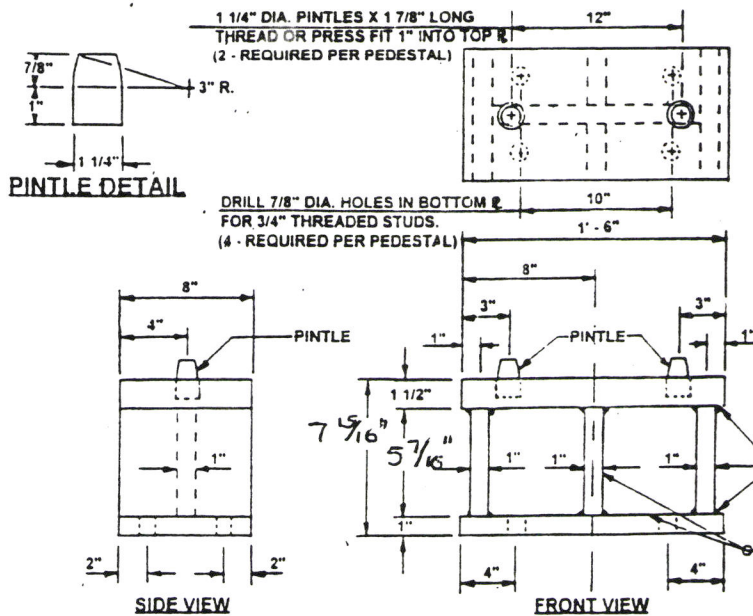
CONNECTION DETAIL

NOTE: SIDE RETAINERS, SHIM PLATES, PEDESTALS, ANCHOR BOLTS AND DRILLING OF HOLES ARE INCLUDED IN F & E STRUCTURAL STEEL.

FULL PERIMETER WELDS REQUIRED ON ALL STRUCTURAL STEEL PLATES



SIDE RETAINER DETAILS



PEDESTAL DETAILS

Weight of one Pedestal
156 Pounds
(75 Kg) ✓

ELASTOMERIC BEARING TYPE II DETAILS

GENERAL NOTES

THICKNESS-"t"=Thickness of Pavement.

See Standard 421001 for reinforcement details not shown.

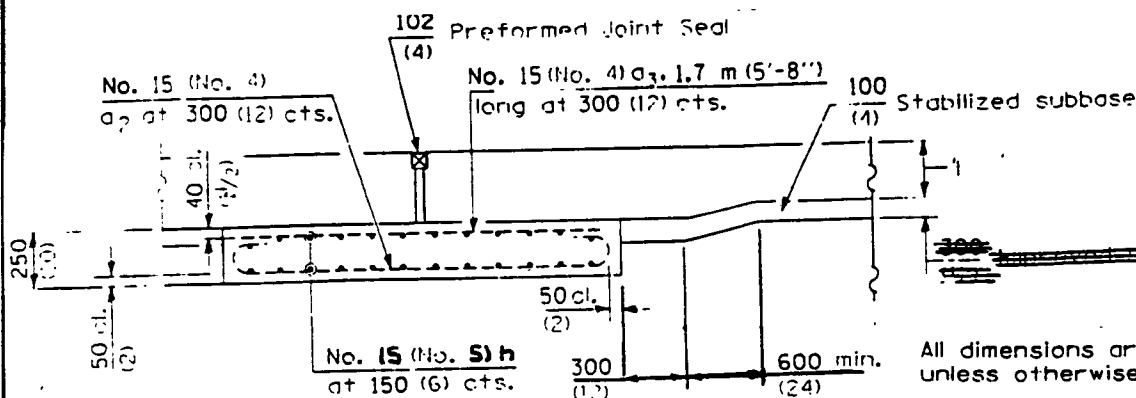
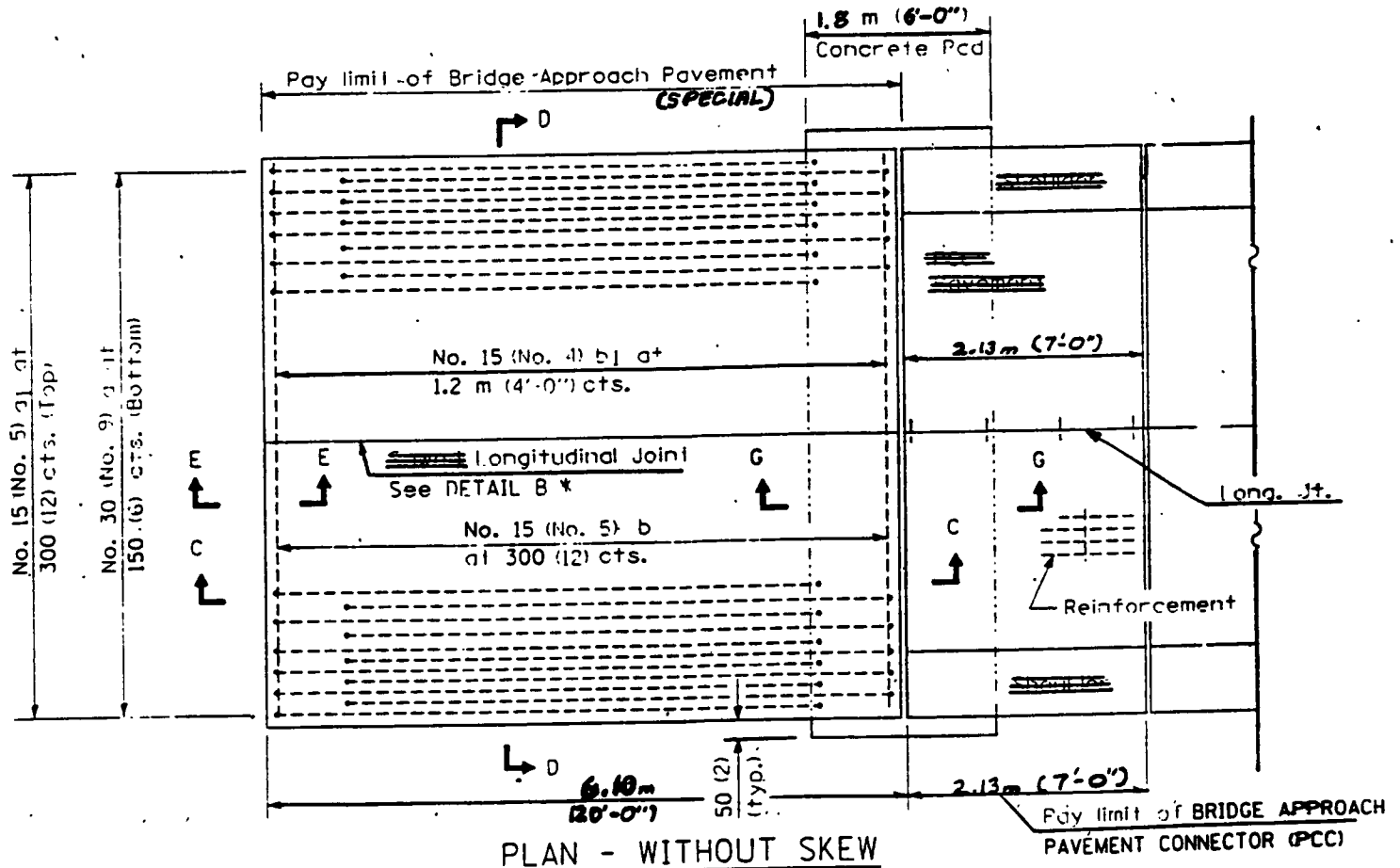
See Standard 420001 for details of joints not shown.

FAI 57 (I-57)

SECTION (38-8B,7B-1,7B,6B-1,6B) I

IROQUOIS COUNTY

SHEET 70 OF 110



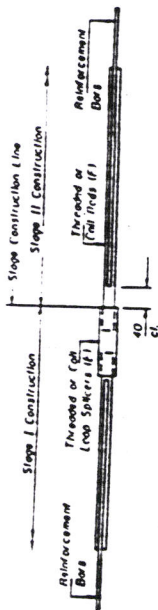
All dimensions are in millimeters (Inches) unless otherwise shown.

BRIDGE APPROACH PAVEMENT
(SPECIAL)

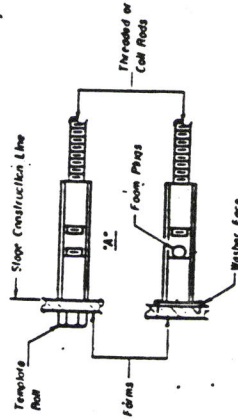
(Sheet 1 of 4)

BRIDGE APPROACH PAVEMENT (SPECIAL)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SPLICER DETAIL



BAR SPLICER ASSEMBLY DETAIL
FOR INTEGRAL ABUTMENT

20 mm ϕ Bar Splicer Assembly = 12 m and 18 m Splicer Rods - [Minimum Capacity = 800 kN-tension
Minimum Pull out Strength = 40 kN-tension]

The diameter of this part is equal or larger than the diameter of the bar spliced.

RODDED THREADED ROSET BAR

ONE PIECE

WIRE CONNECTOR

WELDED SECTIONS

SPLICER ALTERNATIVES

** Heavy Hot Bars conforming to ASTM A 563, Grade C, D or E may be used.

INSTALLATION AND SETTING METHODS

"A", Set splicer by means of a template bolt.
"B", Set splicer by nailing in wood forms or cementing to steel forms.
"C", Indicates epoxy coating.

NOTES

Steel Splicer (Coupler) assembly shall be of an approved type and shall develop in tension at least 85% of the yield strength of the lapped reinforcement bars.
All reinforcement rods shall be lap welded and lap to the splicer rods.
Splicer (coupler) assembly shall be epoxy coated in accordance with the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory and the proposed splicer (coupler) assembly shall satisfy the following requirements:

① Tension Capacity = $1.25 \times A_s \times f_y \times A_s$

② Minimum "Pull out" Strength = $1.25 \times A_s \times f_y \times A_s$

Where f_y = Yield strength of lapped reinforcement bars in MPa.

A_s = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)

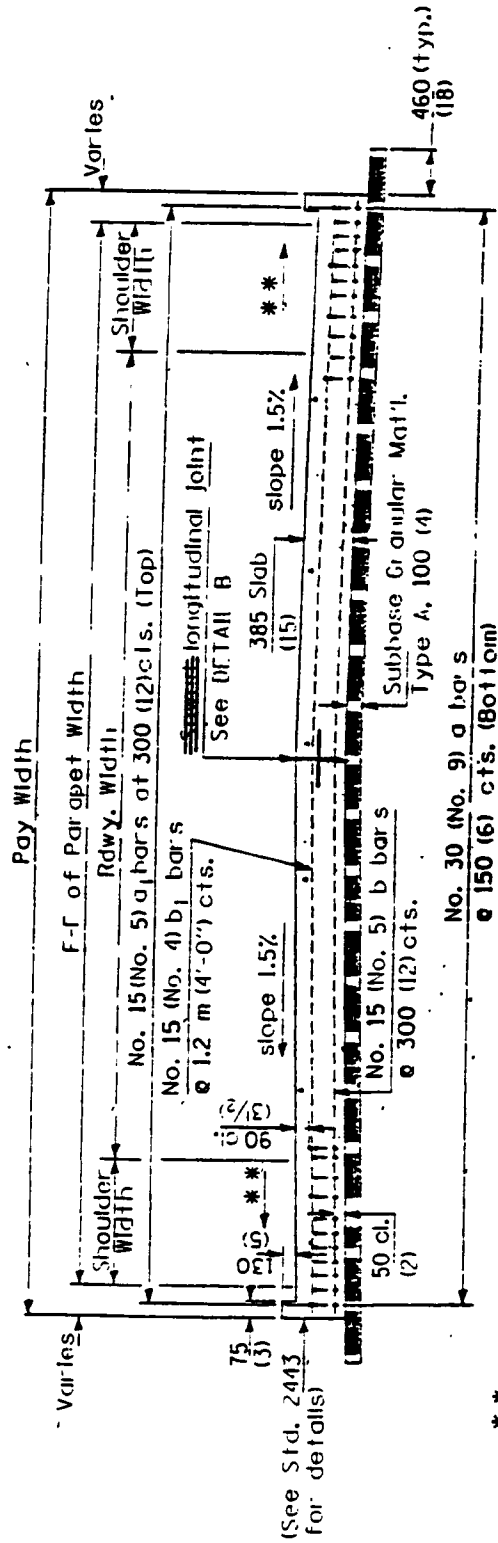
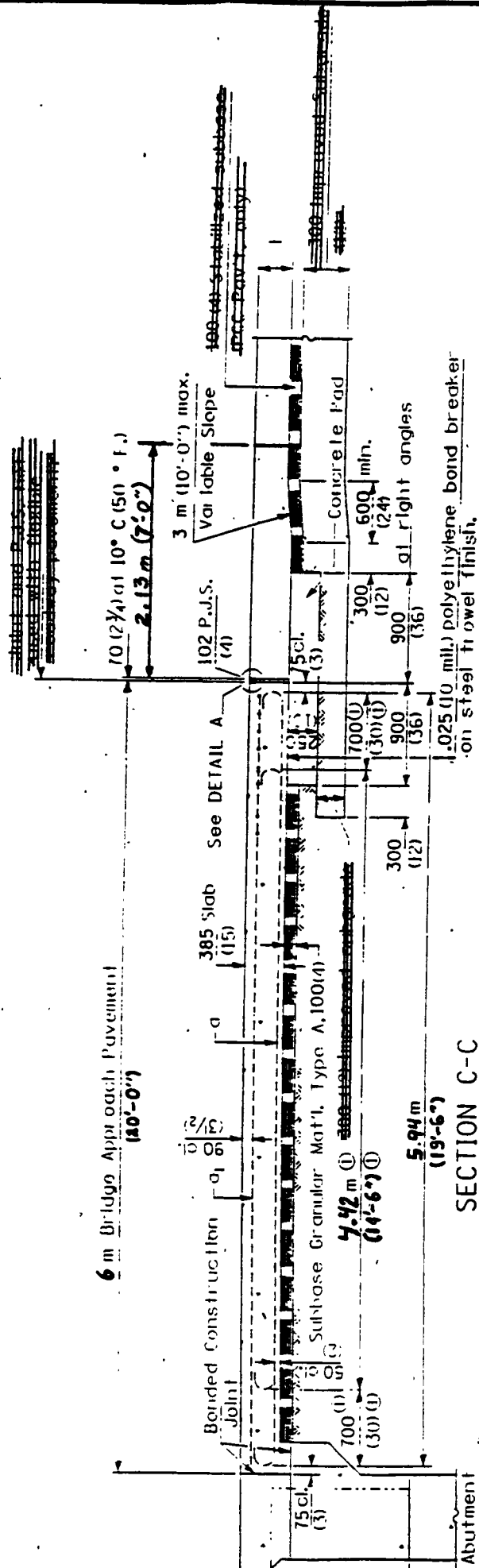
A_s = Tensile stress area of lapped reinforcement bars in mm^2

Typical Splicer (Coupler) Assembly Sizes:

① 25 Bar lap with 20 mm ϕ Splicer (Coupler) = 610 mm Splicer Rods	Minimum Capacity = 800 kN-tension Minimum Pull out Strength = 40 kN-tension
② 20 Bar lap with 25 mm ϕ Splicer (Coupler) = 760 mm Splicer Rods	Minimum Capacity = 1000 kN-tension Minimum Pull out Strength = 60 kN-tension
③ 25 Bar lap with 30 mm ϕ Splicer (Coupler) = 104 mm Splicer Rods	Minimum Capacity = 250 kN-tension Minimum Pull out Strength = 80 kN-tension
④ 30 Bar lap with 36 mm ϕ Splicer (Coupler) = 137 mm Splicer Rods	Minimum Capacity = 350 kN-tension Minimum Pull out Strength = 140 kN-tension

Bar splicer assemblies shall be in accordance with Section 500 of the Standard Specifications, except as noted. The furnishing and installation of splicer assemblies will be measured and paid for on the contract and price each for "BAR SPLICERS".
All dimensions are in millimeters (mm) except as noted.

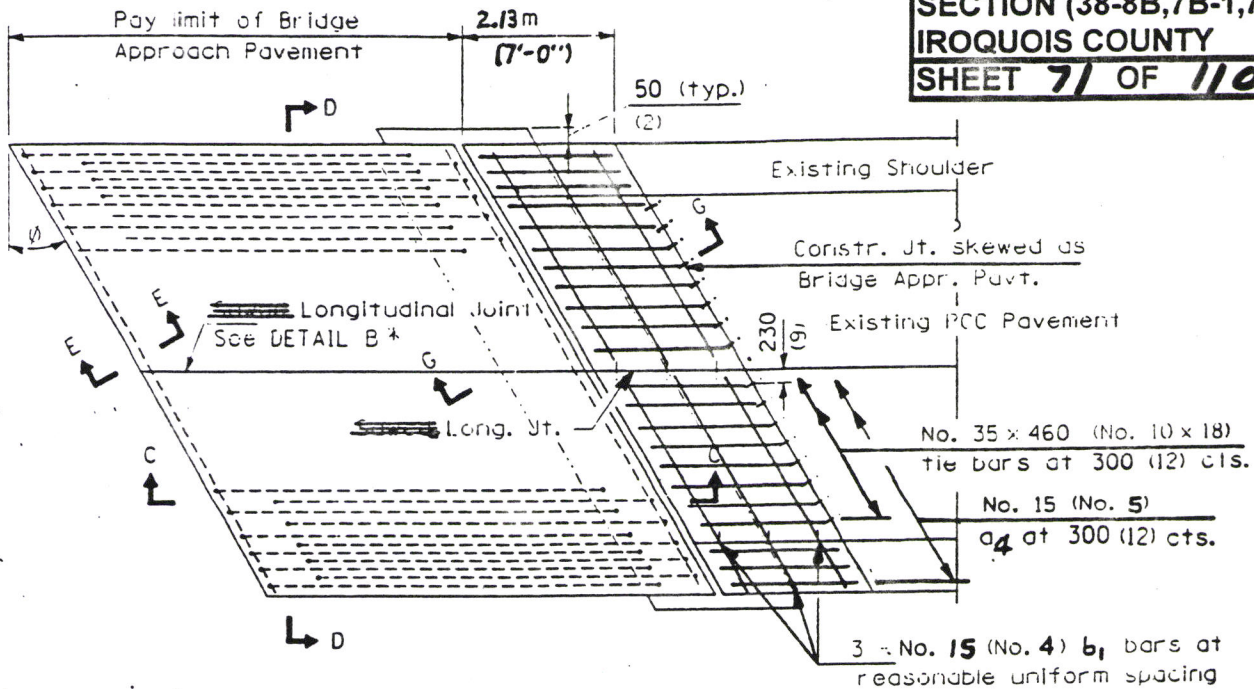
BAR SPLICER (COUPLER) DETAILS
AT STAGE CONSTRUCTION



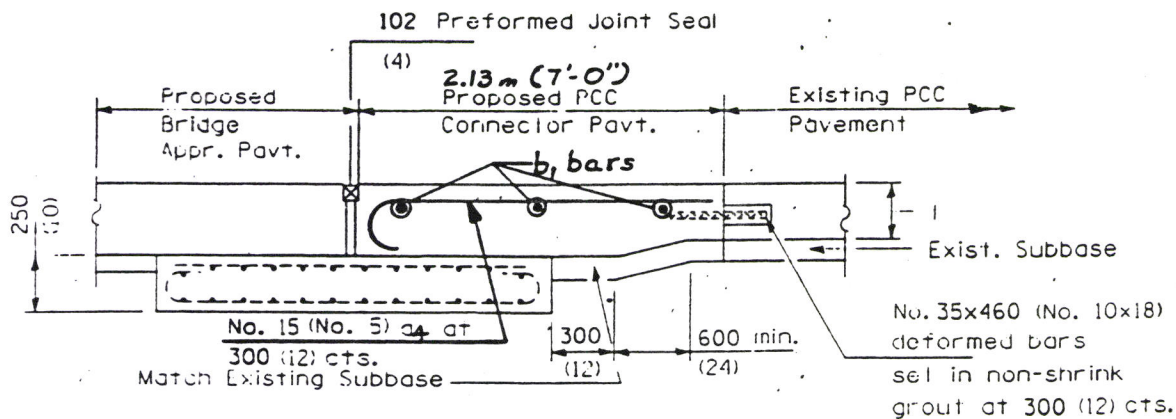
SECTION D-D
(See Plan for Dimensions not shown)
All reinforcement bars shall be epoxy coated.

** Slope same as adjacent shoulder slope.

All dimensions are in millimeters (inches) unless otherwise shown.

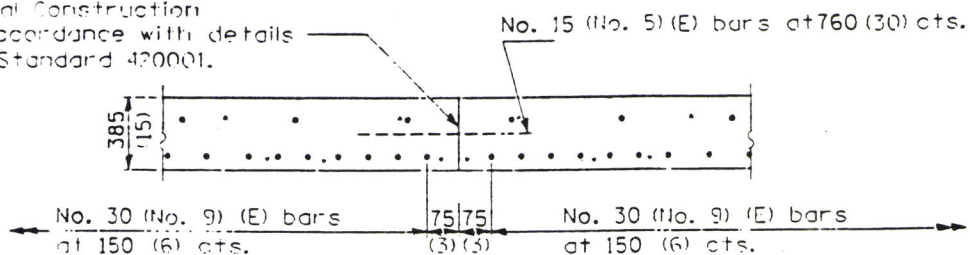


BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)



SECTION G-G - RIGID PAVEMENT

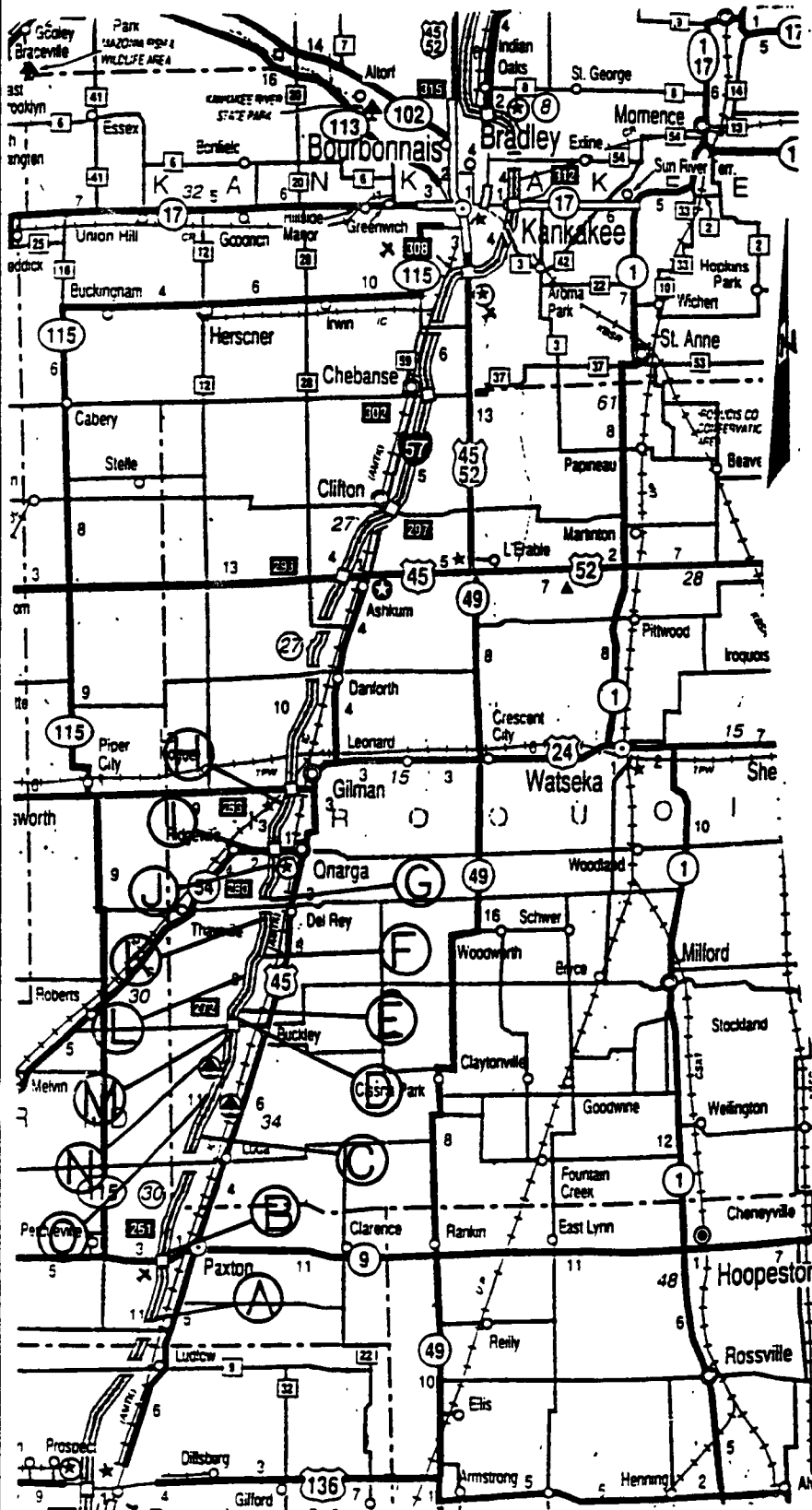
Longitudinal Construction Joint in accordance with details shown on Standard 420001.



LONGITUDINAL CONSTRUCTION JOINT

DETAIL B

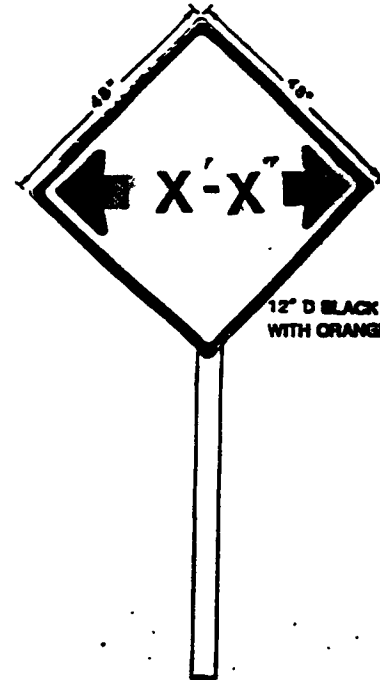
All dimensions are in millimeters (Inches) unless otherwise shown.



NOTE: THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL WIDTH RESTRICTION SIGNS.

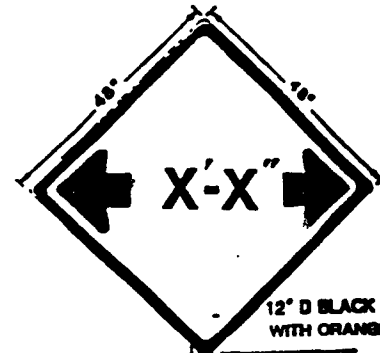
SIGN INSTALLATIONS SHALL BE IN ACCORDANCE WITH STANDARD 702001.

THE CONTRACTOR SHALL NOTIFY THE BUREAU OF OPERATIONS, MR. GREG PERKINSON, PHONE (815) 434-8417, THREE WEEKS PRIOR TO ERECTING THIS WIDTH RESTRICTION

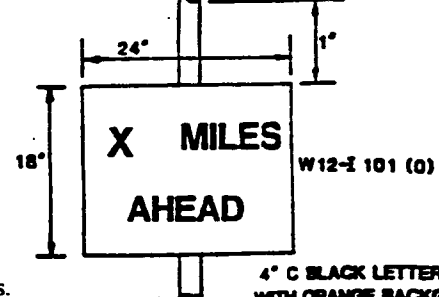


12" D BLACK LETTERING
WITH ORANGE BACKGROUND

WIDTH RESTRICTION SIGNING
REQUIRED FOR STAGE II ONLY

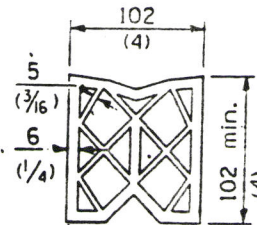
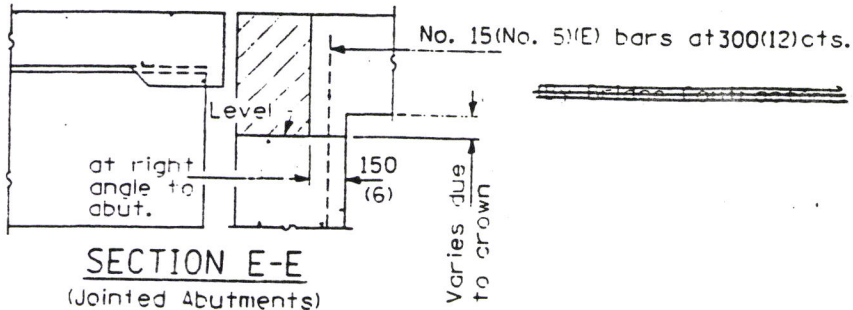


12" D BLACK LETTERING
WITH ORANGE BACKGROUND

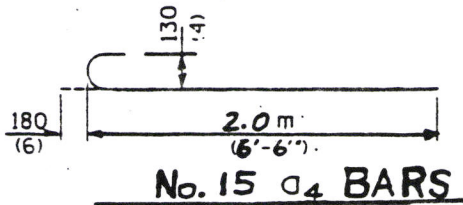


4" C BLACK LETTERING
WITH ORANGE BACKGROUND

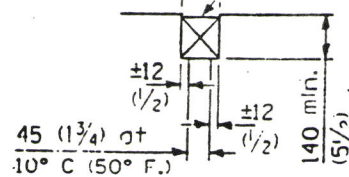
WIDTH RESTRICTION SIGNING
REQUIRED FOR STAGE II ONLY



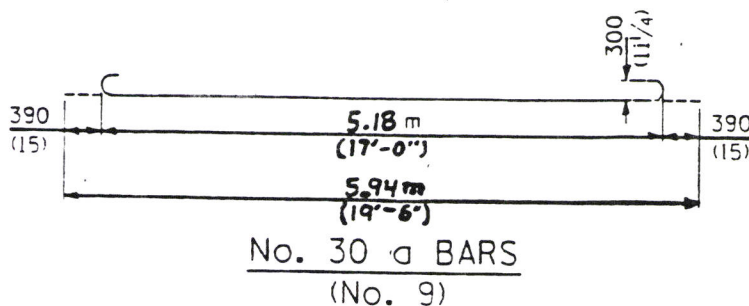
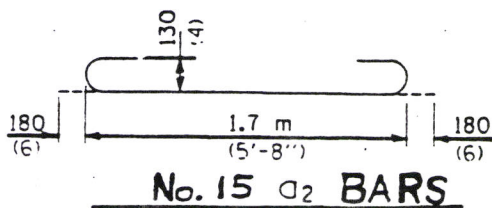
PREFORMED JOINT SEAL



70 (2 3/4) at 10° C (50° F.) 102 (4) Preformed Joint Seal Full Width



DETAIL A



DESIGN STRESSES

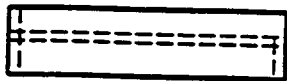
$f_y = 400 \text{ MPa (60,000 p.s.i.)}$
 $f'_c = 24 \text{ MPa (3,500 p.s.i.)}$
 $n = 8.5$

All dimensions are in millimeters (inches)
 unless otherwise shown.

BRIDGE APPROACH PAVEMENT
 (SPECIAL)

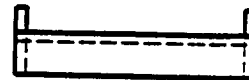
(Sheet 4 of 4)

BRIDGE APPROACH PAVEMENT (SPECIAL)

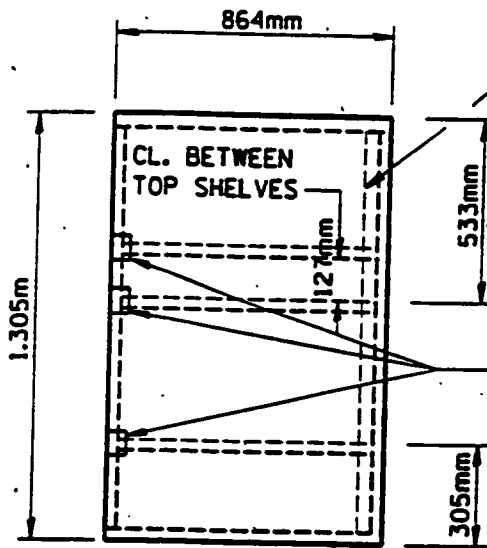


SHELF SIDE VIEW

13mm X 38mm FLAT STOCK
WELD TO FORM DOOR FRAME
AND ALSO AROUND PERIMETER
OF EACH DOOR.



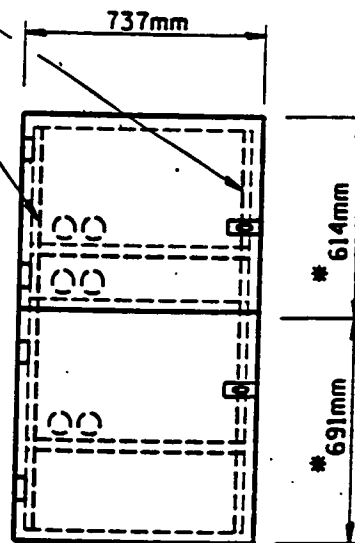
SHELF FRONT VIEW



SIDE VIEW

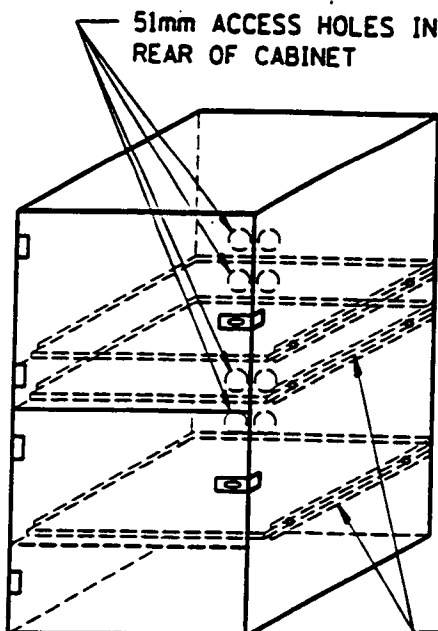
WELD BACKSTOP TO
MAINTAIN 51mm CLEARANCE
BETWEEN SHELF AND
CABINET

* ALLOWS FOR 3mm
CLEARANCE AT TOP
AND BOTTOM OF
CABINET AND
BETWEEN DOORS.



FRONT VIEW

- NOTES:
1. USE 16 GAUGE STEEL FOR CABINET.
 2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
 3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
 4. ALL EDGES SHALL BE GROUND SMOOTH.
 5. TWO (51mm DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
 6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
 7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
 8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 102mmx102mm SQUARE CORNER HINGES TO BE WELDED ON.
 9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 184mm HASPS TO BE WELDED ON.



FLAT STOCK DIMENSIONS VARY
DEPENDING ON TYPE OF
ROLLER ASSEMBLY.

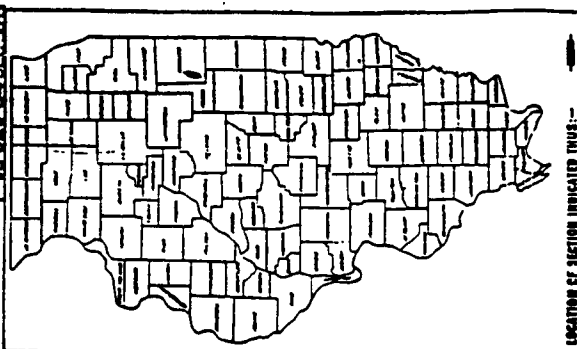
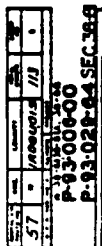
LOCKABLE COMPUTER CABINET

TABLE OF WIDTH RESTRICTION SIGNS				
NUMBER OF SIGNS	TYPE OF SIGN REQUIRED	LOCATION MAP KEY	LOCATION OF SIGNS	WIDTH RESTRICTION INFORMATION
2	WIDTH RESTRICTION WITH W12-1101	A	MILE MARKER 259 NBL SOUTH OF EXIT 261 (PAXTON)	12' - 6" 10 MILES AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	B	TOP OF NORTHBOUND ON RAMP ILL ROUTE 9 TO I-57 (PAXTON)	12' - 6" 6 MILES AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION	C	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0148	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	D	TOP OF NORTHBOUND ON RAMP FAS-334 BUCKLEY INTER. (BUCKLEY)	12' - 6" 1/2 MILE AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION	E	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0152	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION	F	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0154	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION	G	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0156	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	H	MILE MARKER 283 SBL NORTH OF EXIT 280 (ONARGA)	12' - 6" 3 MILES AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	I	TOP OF NORTHBOUND ON RAMP ILL ROUTE 54 ONARGA INTER. (ONARGA)	12' - 6" 1 MILE AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION	J	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0155	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION	K	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0153	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	L	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0151	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION WITH W12-1101	M	TOP OF SOUTHBOUND ON RAMP FAS-334 BUCKLEY INTER. (BUCKLEY)	12' - 6" 1 MILE AHEAD (STAGE II ONLY)
2	WIDTH RESTRICTION	N	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0149	12' - 6" (STAGE II ONLY)
2	WIDTH RESTRICTION	O	WITHIN STANDARD 701401 305m (1000') IN ADVANCE OF SN 038-0147	12' - 6" (STAGE II ONLY)

SET NO. 1
OF 2 SETS

36.0147
8110.0118

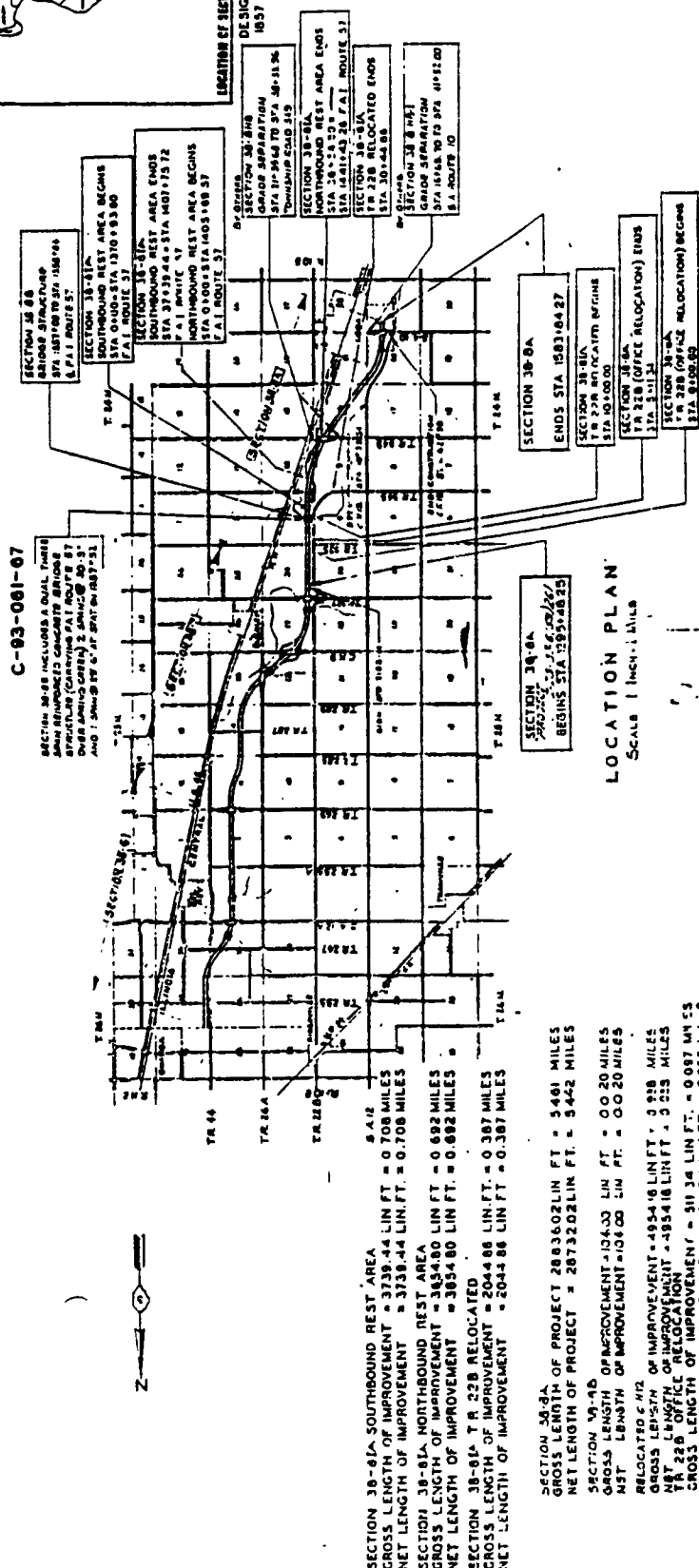
F.A.I. ROUTE 57, SECTION 388A, 38-8IA, 38-8B, IROQUOIS COUNTY



LOCATION OF SECTION INDICATED THUS:--

DESIGN DESIGNATION F.A.I. ROUTE 5
1957 (08)-B-1-6.17 (P.C.C.-20)

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 77 OF 119



FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0147 (SB) AND 038-0148 (NB)

Sheet No. 3
12 Sheets

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

1/2" x 6" CRAND STL
Anchor or end plate
shall be welded to the
pier cap and the
pier cap shall be
automatically and evenly

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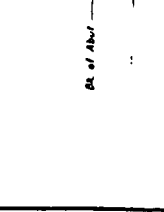
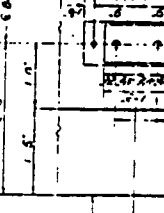
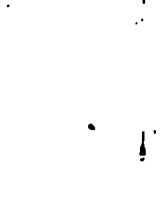
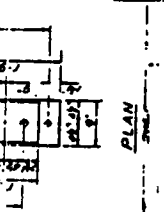
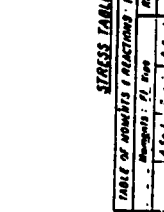
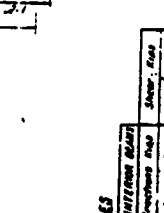
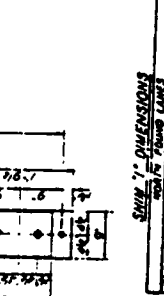
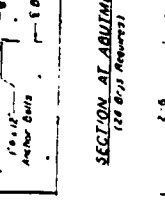
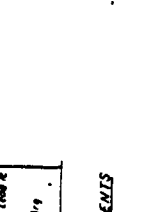
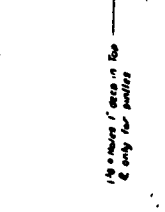
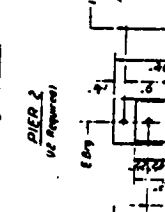
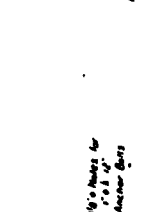
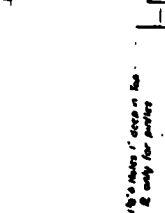
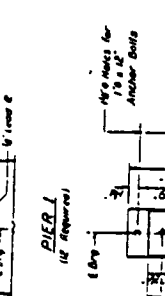
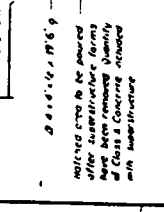
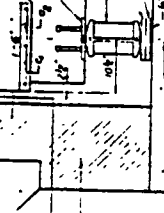
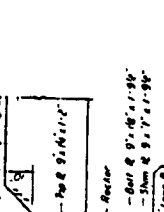
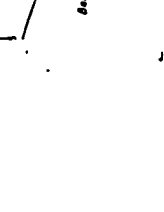
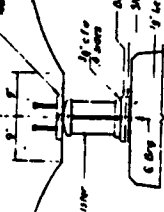
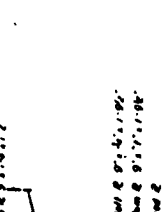
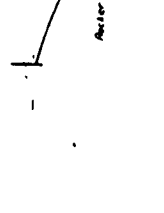
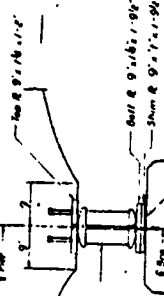
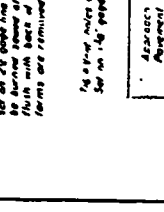
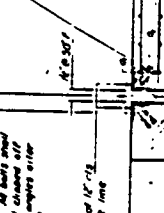
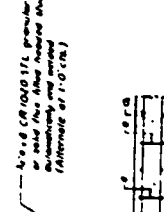
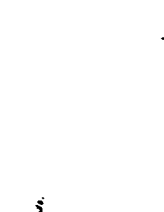
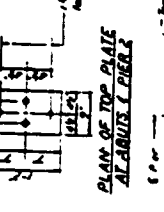
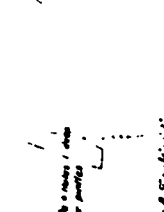
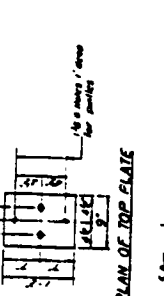
1/2" x 6" CRAND STL
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SHOWN DIMENSIONS

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

STRESS TABLES

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

TABLE OF HEIGHTS & RECTIONS INTERIOR ABUT

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

PROPERTIES

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

DETAIL OF PIER 1

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

DETAIL OF PIER 2

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

DETAIL OF PIER 3

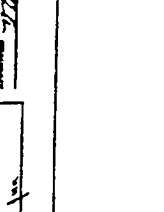
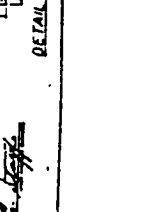
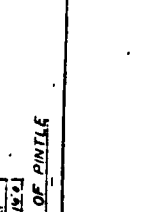
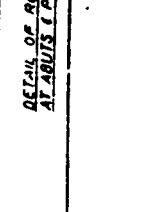
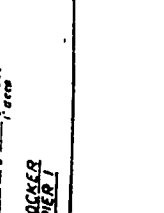
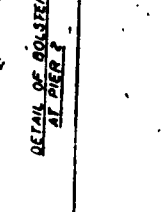
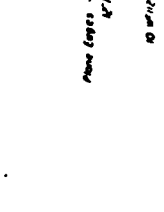
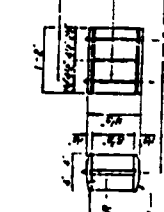
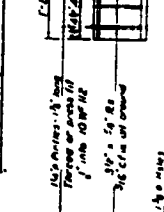
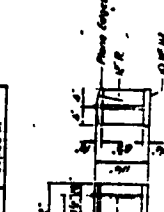
NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

DETAIL OF PIER 4

NO.	DESCRIPTION	DATE	BY
1	DESIGNED	1/25/32	JL
2	APPROVED	1/25/32	JL

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 80 OF 110

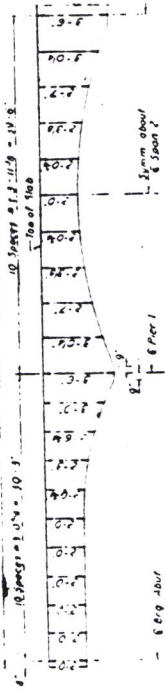
BEARING DETAILS
F.A.I. 57 SEC. 30-48
IROQUOIS COUNTY
STA. 1357+32



FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 79 OF 110

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

The Contractor shall determine the elevations of the bottom surface of each girder by subtracting the girder cambers from the low of the bridge deck. The low of the bridge deck shall be the low of the bridge deck as shown on the existing bridge plans.



GIRDER ORDINATES (ALL GIRDERS)

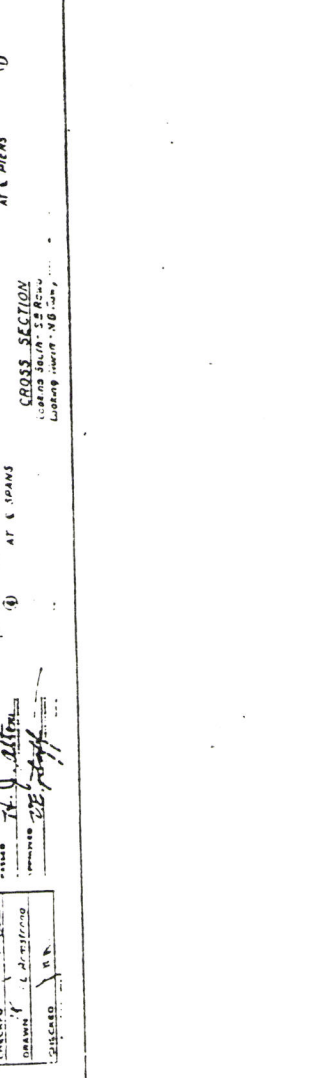
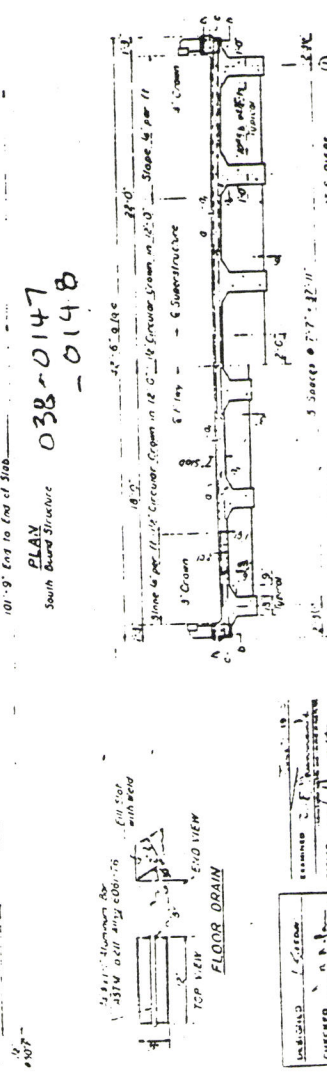
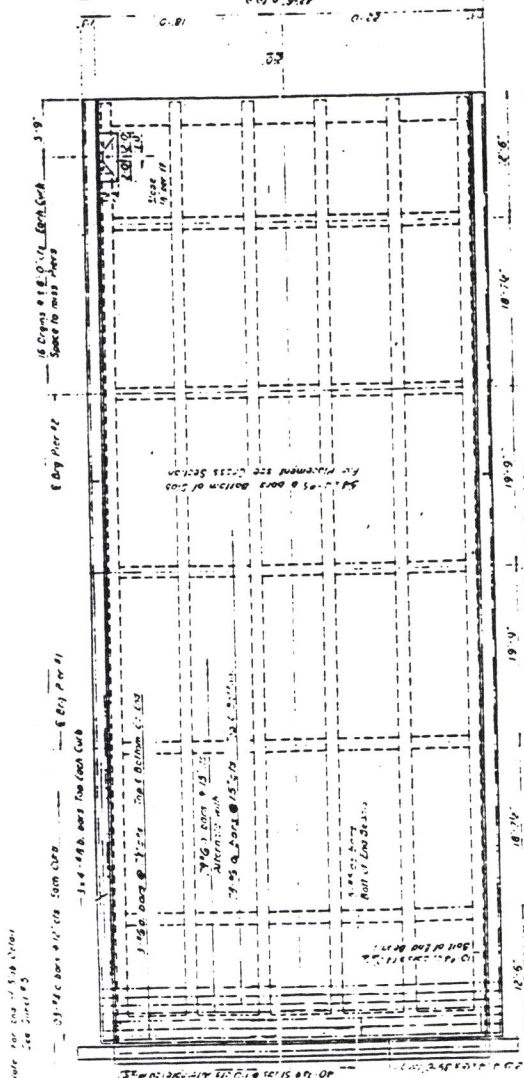


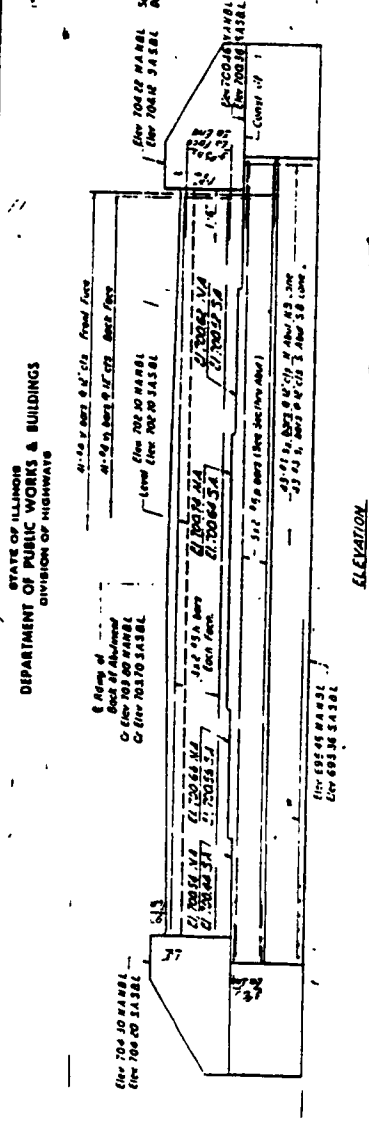
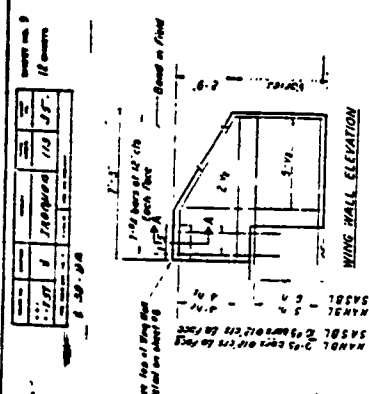
TABLE OF MATERIAL

ITEM	QUANTITY	UNIT	PRICE	TOTAL
1. Structural Steel	10,000	LB	0.15	1,500.00
2. Reinforcing Steel	10,000	LB	0.15	1,500.00
3. Concrete	10,000	CU YD	1.00	10,000.00
4. Gravel	10,000	CU YD	0.50	5,000.00
5. Sand	10,000	CU YD	0.50	5,000.00
6. Bituminous	10,000	CU YD	0.50	5,000.00
7. Labor	10,000	HR	1.00	10,000.00
8. Equipment	10,000	HR	1.00	10,000.00
9. Miscellaneous	10,000	HR	1.00	10,000.00
10. Total				57,000.00

SUPERSTRUCTURE
FALL AT 57 SEC. 38-8B
IROQUOIS COUNTY
STA 1337-52

N. ABOUT N. B. LANCES
S. ABOUT S. B. LANCES
E. A. RT. 37 SEC. 38-00
INDUOUS TOWN
STA. 1357-52

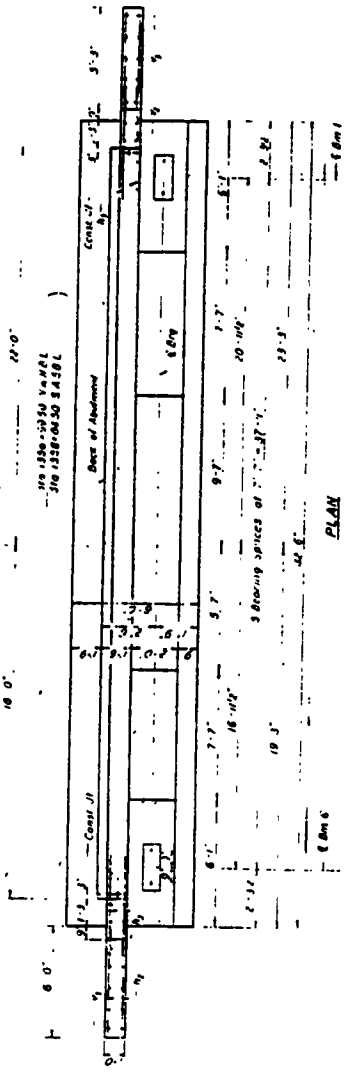
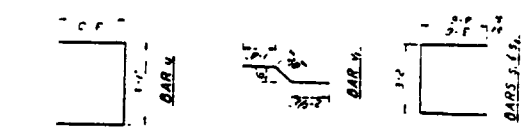
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BILL OF MATERIAL										
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39	1	EA	1.0000	39	1	EA	1.0000	39	1	EA
40	1	EA	1.0000	40	1	EA	1.0000	40	1	EA
41	1	EA	1.0000	41	1	EA	1.0000	41	1	EA



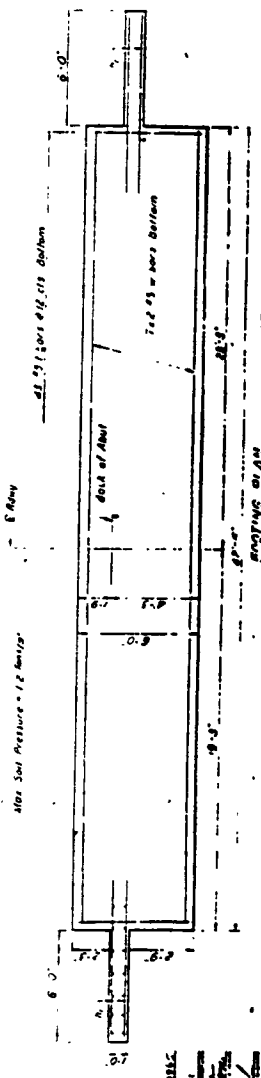
033-0147
-0143

ELEVATION

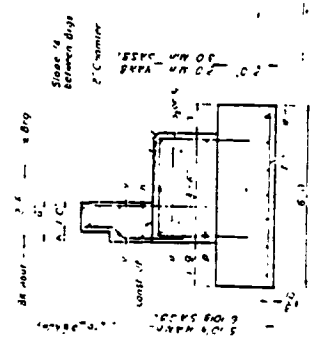
5 AUG - Maria José Sound Lane3
13 JUL - Santa Ana Sound Lane3



PLAN



NOV 10 3 41 PM '65

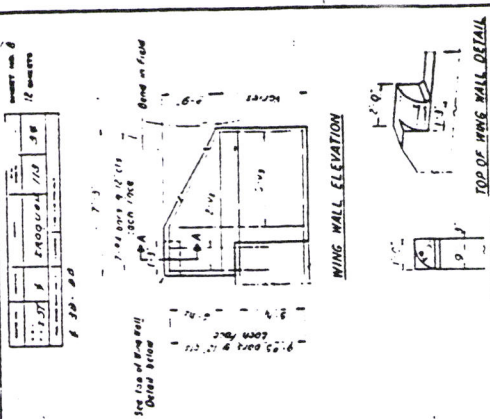


SECTION THRU ABUTMENT

[illegible]

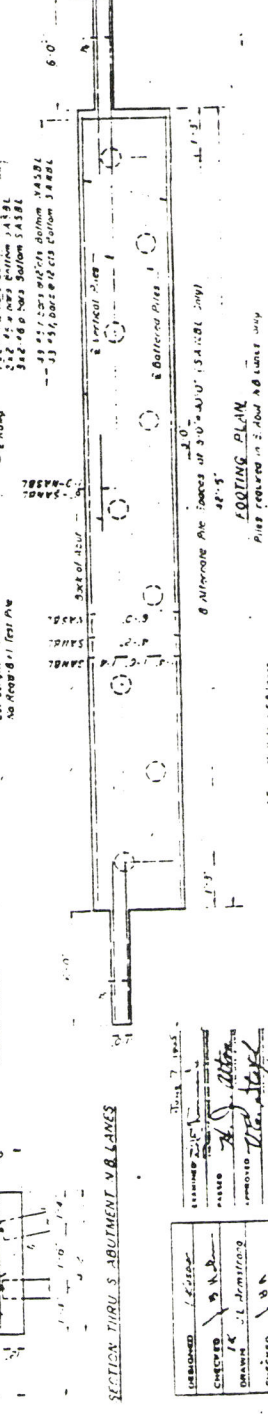
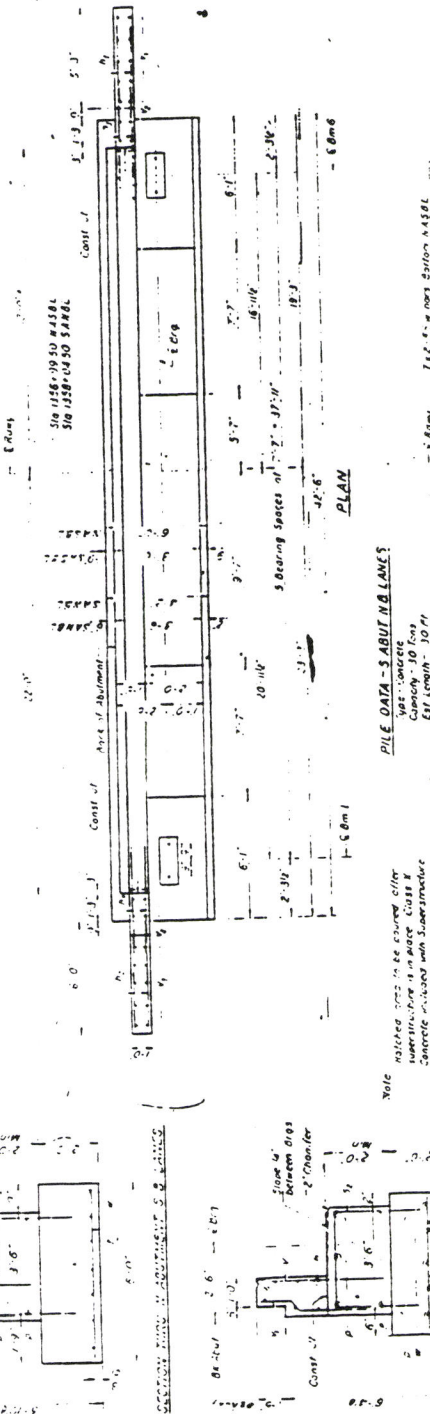
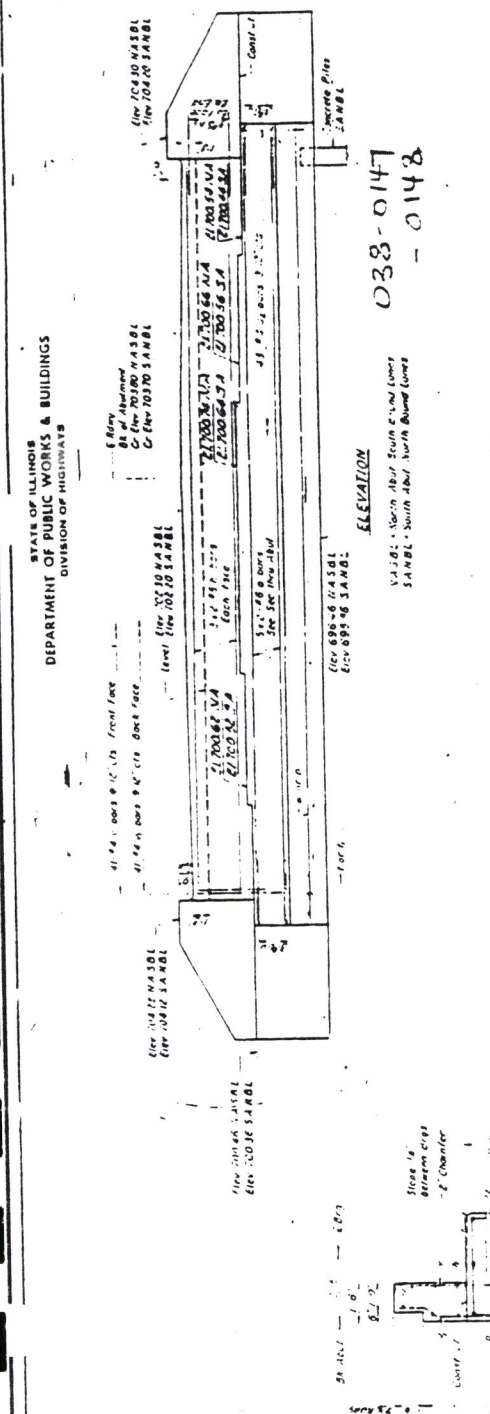
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI 57 (I-57)
SECTION (38-8B, 7B-1, 7B, 6B-1, 6B) I
IROQUOIS COUNTY
SHEET 81 OF 110



TWO ABUTMENTS
BILL OF MATERIAL

ITEM	QTY	UNIT	PRICE	TOTAL
1. Concrete for Abutment	100	cu yd	12.00	1200.00
2. Reinforcing Steel for Abutment	100	lb	0.10	10.00
3. Formwork for Abutment	100	sq ft	0.50	50.00
4. Concrete for Wing Wall	100	cu yd	12.00	1200.00
5. Reinforcing Steel for Wing Wall	100	lb	0.10	10.00
6. Formwork for Wing Wall	100	sq ft	0.50	50.00
7. Concrete for Pier	100	cu yd	12.00	1200.00
8. Reinforcing Steel for Pier	100	lb	0.10	10.00
9. Formwork for Pier	100	sq ft	0.50	50.00
10. Concrete for Deck	100	cu yd	12.00	1200.00
11. Reinforcing Steel for Deck	100	lb	0.10	10.00
12. Formwork for Deck	100	sq ft	0.50	50.00
13. Concrete for Sill	100	cu yd	12.00	1200.00
14. Reinforcing Steel for Sill	100	lb	0.10	10.00
15. Formwork for Sill	100	sq ft	0.50	50.00
16. Concrete for Abutment	100	cu yd	12.00	1200.00
17. Reinforcing Steel for Abutment	100	lb	0.10	10.00
18. Formwork for Abutment	100	sq ft	0.50	50.00
19. Concrete for Wing Wall	100	cu yd	12.00	1200.00
20. Reinforcing Steel for Wing Wall	100	lb	0.10	10.00
21. Formwork for Wing Wall	100	sq ft	0.50	50.00
22. Concrete for Pier	100	cu yd	12.00	1200.00
23. Reinforcing Steel for Pier	100	lb	0.10	10.00
24. Formwork for Pier	100	sq ft	0.50	50.00
25. Concrete for Deck	100	cu yd	12.00	1200.00
26. Reinforcing Steel for Deck	100	lb	0.10	10.00
27. Formwork for Deck	100	sq ft	0.50	50.00
28. Concrete for Sill	100	cu yd	12.00	1200.00
29. Reinforcing Steel for Sill	100	lb	0.10	10.00
30. Formwork for Sill	100	sq ft	0.50	50.00



S. ABUT NO LANES
N. ABUT 3.0 LANES
EAL RE 57 SEC 38-8B
IROQUOIS COUNTY
STA 1357+52

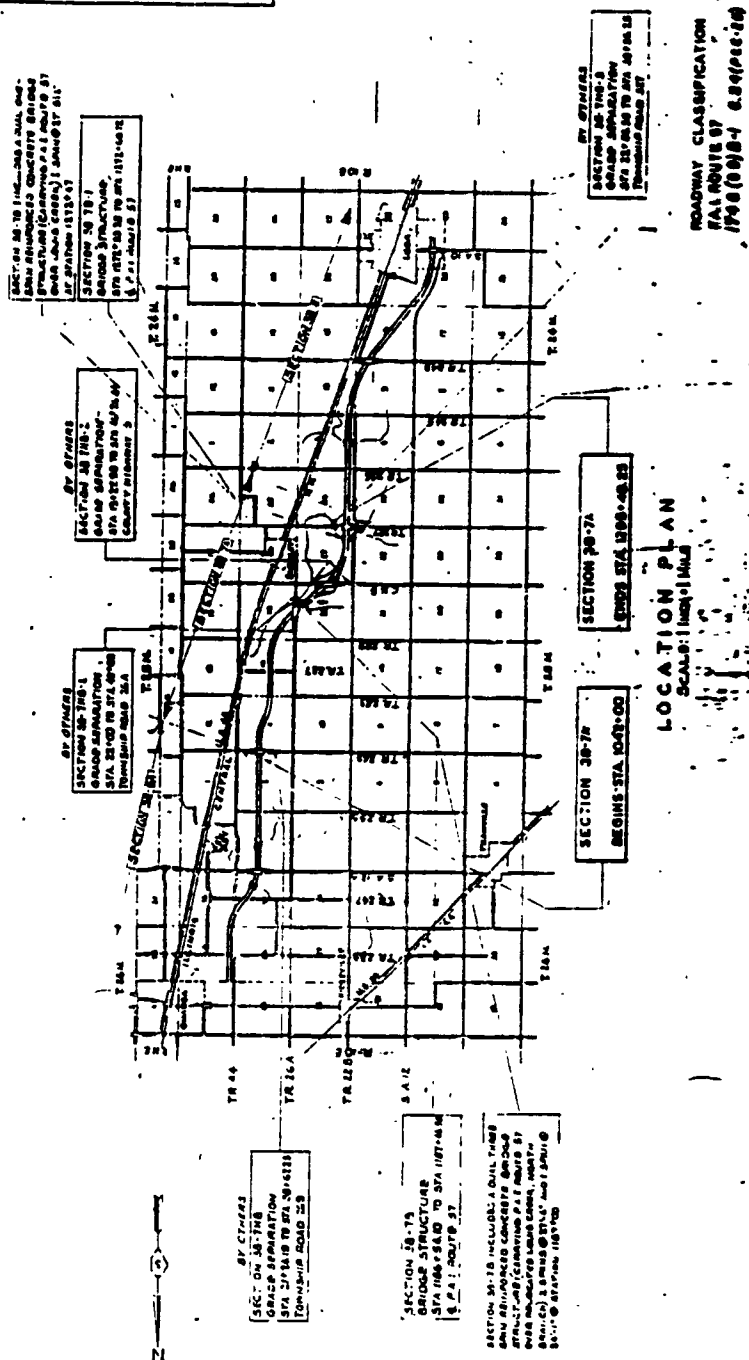
FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0147 (SB) AND 038-0148 (NB)

LOCATION OF SECTION INDICATED TABLE

INDEX OF SHEETS ON SHEET NO. 4

F.A.I. ROUTE 57, SECTION 38-7A, 38-7B & 38-7B1, IROQUOIS COUNTY



FOR INFORMATION ONLY

EXISTING BRIDGE PLANS **038-0149 (SB)**

DETAILS OF BRIDGE APPROACHES
FOR FEDERAL AID INTERSTATE ROUTES

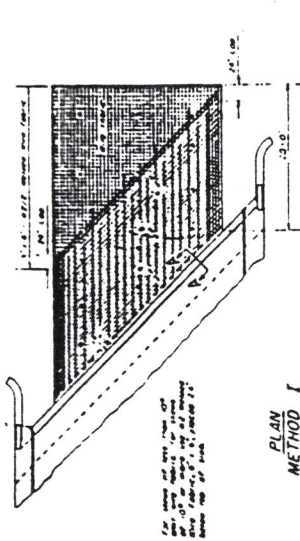
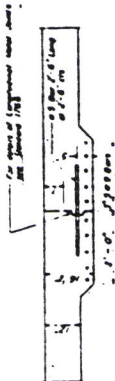
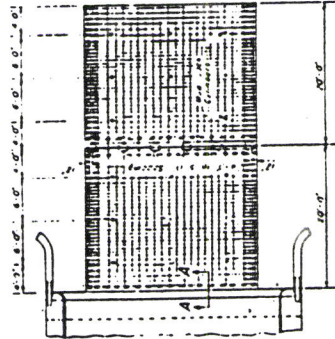
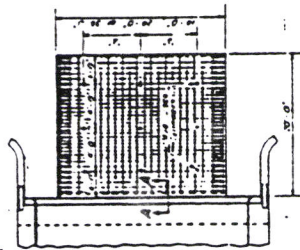
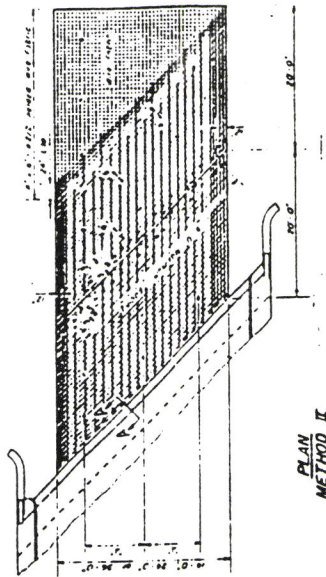


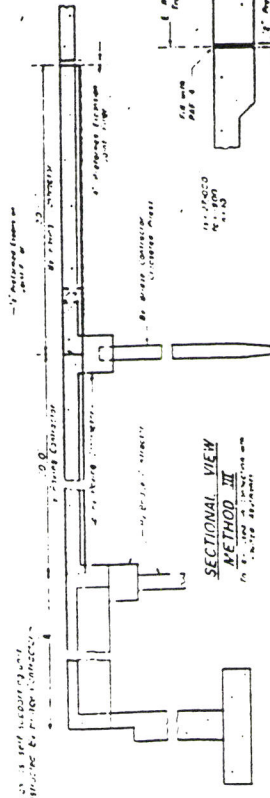
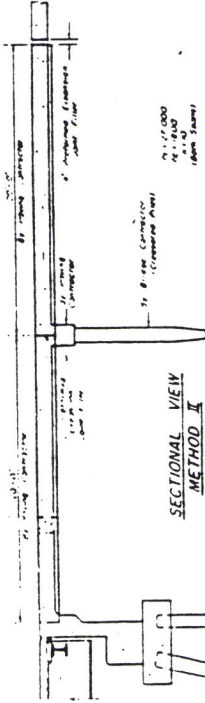
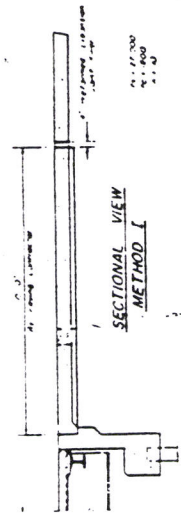
TABLE OF "A" DIMENSIONS

Width of Slab (ft.)	Width of Slab (in.)	Width of Slab (ft.)	Width of Slab (in.)
10	120	12	144
12	144	14	168
14	168	16	192
16	192	18	216
18	216	20	240
20	240	22	264
22	264	24	288
24	288	26	312
26	312	28	336
28	336	30	360
30	360	32	384
32	384	34	408
34	408	36	432
36	432	38	456
38	456	40	480
40	480	42	504
42	504	44	528
44	528	46	552
46	552	48	576
48	576	50	600
50	600	52	624
52	624	54	648
54	648	56	672
56	672	58	696
58	696	60	720
60	720	62	744
62	744	64	768
64	768	66	792
66	792	68	816
68	816	70	840
70	840	72	864
72	864	74	888
74	888	76	912
76	912	78	936
78	936	80	960
80	960	82	984
82	984	84	1008
84	1008	86	1032
86	1032	88	1056
88	1056	90	1080
90	1080	92	1104
92	1104	94	1128
94	1128	96	1152
96	1152	98	1176
98	1176	100	1200

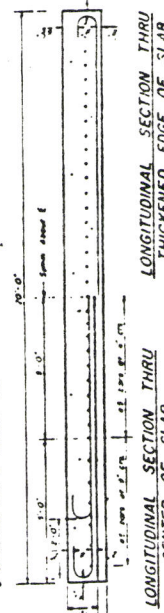


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT
As approved by the Engineer, the Contractor may omit the longitudinal construction joint at the right of the bridge approach, provided the width of the approach is not less than 10 feet.

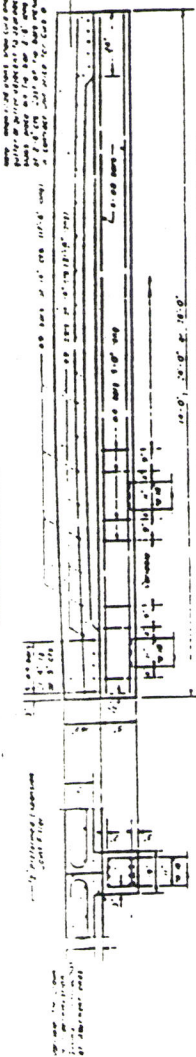
038-0147
0148



LONGITUDINAL EXPANSION JOINT
To be used where approach slabs are greater than 10 feet wide. The joint shall be located at the right edge of the approach slab.



LONGITUDINAL SECTION THRU
THICKENED EDGE OF SLAB



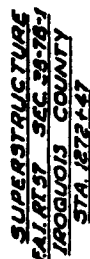
DETAIL OF
MUD JACK CYLINDER

SECTION A-A

STANDARD 2158-6

FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0147 (SB) AND 038-0148 (NB)



FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 86 OF 118



Year	Age	Sex	Weight	Height
1970	10	M	140.0	150.0
1971	11	M	145.0	155.0
1972	12	M	150.0	160.0
1973	13	M	155.0	165.0
1974	14	M	160.0	170.0
1975	15	M	165.0	175.0
1976	16	M	170.0	180.0
1977	17	M	175.0	185.0
1978	18	M	180.0	190.0
1979	19	M	185.0	195.0
1980	20	M	190.0	200.0
1981	21	M	195.0	205.0
1982	22	M	200.0	210.0
1983	23	M	205.0	215.0
1984	24	M	210.0	220.0
1985	25	M	215.0	225.0
1986	26	M	220.0	230.0
1987	27	M	225.0	235.0
1988	28	M	230.0	240.0
1989	29	M	235.0	245.0
1990	30	M	240.0	250.0
1991	31	M	245.0	255.0
1992	32	M	250.0	260.0
1993	33	M	255.0	265.0
1994	34	M	260.0	270.0
1995	35	M	265.0	275.0
1996	36	M	270.0	280.0
1997	37	M	275.0	285.0
1998	38	M	280.0	290.0
1999	39	M	285.0	295.0
2000	40	M	290.0	300.0
2001	41	M	295.0	305.0
2002	42	M	300.0	310.0
2003	43	M	305.0	315.0
2004	44	M	310.0	320.0
2005	45	M	315.0	325.0
2006	46	M	320.0	330.0
2007	47	M	325.0	335.0
2008	48	M	330.0	340.0
2009	49	M	335.0	345.0
2010	50	M	340.0	350.0
2011	51	M	345.0	355.0
2012	52	M	350.0	360.0
2013	53	M	355.0	365.0
2014	54	M	360.0	370.0
2015	55	M	365.0	375.0
2016	56	M	370.0	380.0
2017	57	M	375.0	385.0
2018	58	M	380.0	390.0
2019	59	M	385.0	395.0
2020	60	M	390.0	400.0
2021	61	M	395.0	405.0
2022	62	M	400.0	410.0
2023	63	M	405.0	415.0
2024	64	M	410.0	420.0
2025	65	M	415.0	425.0
2026	66	M	420.0	430.0
2027	67	M	425.0	435.0
2028	68	M	430.0	440.0
2029	69	M	435.0	445.0
2030	70	M	440.0	450.0
2031	71	M	445.0	455.0
2032	72	M	450.0	460.0
2033	73	M	455.0	465.0
2034	74	M	460.0	470.0
2035	75	M	465.0	475.0
2036	76	M	470.0	480.0
2037	77	M	475.0	485.0
2038	78	M	480.0	490.0
2039	79	M	485.0	495.0
2040	80	M	490.0	500.0
2041	81	M	495.0	505.0
2042	82	M	500.0	510.0
2043	83	M	505.0	515.0
2044	84	M	510.0	520.0
2045	85	M	515.0	525.0
2046	86	M	520.0	530.0
2047	87	M	525.0	535.0
2048	88	M	530.0	540.0
2049	89	M	535.0	545.0
2050	90	M	540.0	550.0
2051	91	M	545.0	555.0
2052	92	M	550.0	560.0
2053	93	M	555.0	565.0
2054	94	M	560.0	570.0
2055	95	M	565.0	575.0
2056	96	M	570.0	580.0
2057	97	M	575.0	585.0
2058	98	M	580.0	590.0
2059	99	M	585.0	595.0
2060	100	M	590.0	600.0

GENERAL NOTES

Class: Concrete: one of the most important, used in America
The concrete slab was poured in a basement with
surface 5/4 of the walls. Specimen
The article, concrete is the best and, being one of the
poured in concrete quantities
All non-ferrous metals and small to large quantities under
average shown
The use of the concrete is, in fact, the best, for the
metal and metal are not in each of the to be added
Advantages: metal: one of the most important
from the fact of the "concrete" within 5/4 of the top of the wall.
Metal: Concrete will be used in houses.

BILL OF MATERIAL

[illegible]

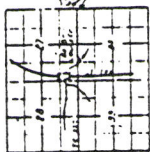
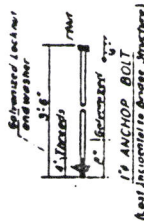
GENERAL PLAN & ELEVATION

PROJ. 1-57-6 (95)

IROQUOIS COUNTY

STN. 127E + 47

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 85 OF 110



LOCATION PLAN

STATION 1234567
 DATE 196 05
 STATE OF ILLINOIS -
 FAI AT 97 312.38-70-1
 FA PROJ 1-57-6 (45)
 LANDING 45201.217

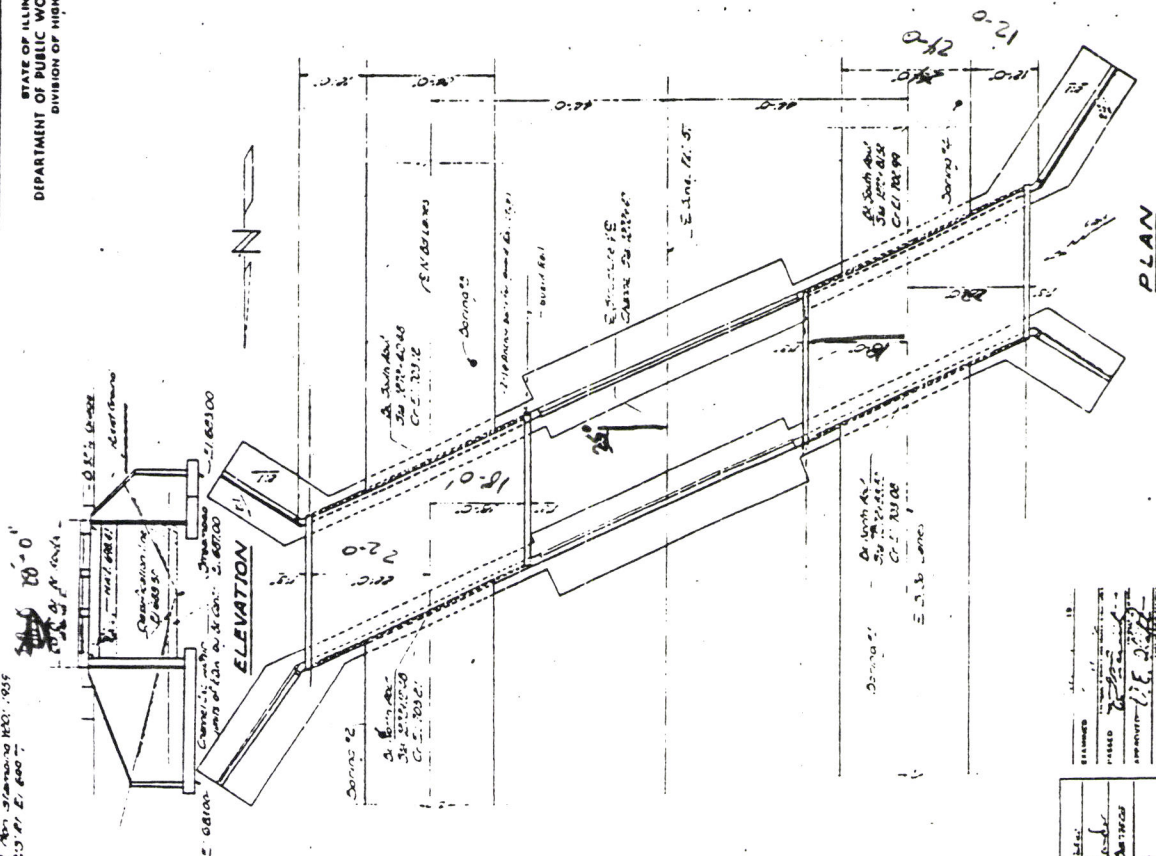
NAME PLATE
(Jae Sk: 2119-1)

Max. Fly Pressure - 22'0.

WATERWAY INFORMATION

[illegible]

DESIGN JIN62253
A = 1000 psi Super
B = 1000 psi
C = 1000 psi 1000 psi
AC = 25 psi 1000 psi
C = 10



PLAN

[illegible]

FOR INFORMATION ONLY
EXISTING BRIDGE PLANS S.N. 038-0149 (SB)

**STRUCTURE
FALLS SEC. 18-70-1
LINCOLN COUNTY
STATE 1872-47**

[illegible]

FOR INFORMATION ONLY
EXISTING BRIDGE PLANS S.N. 038-0149 (SB)

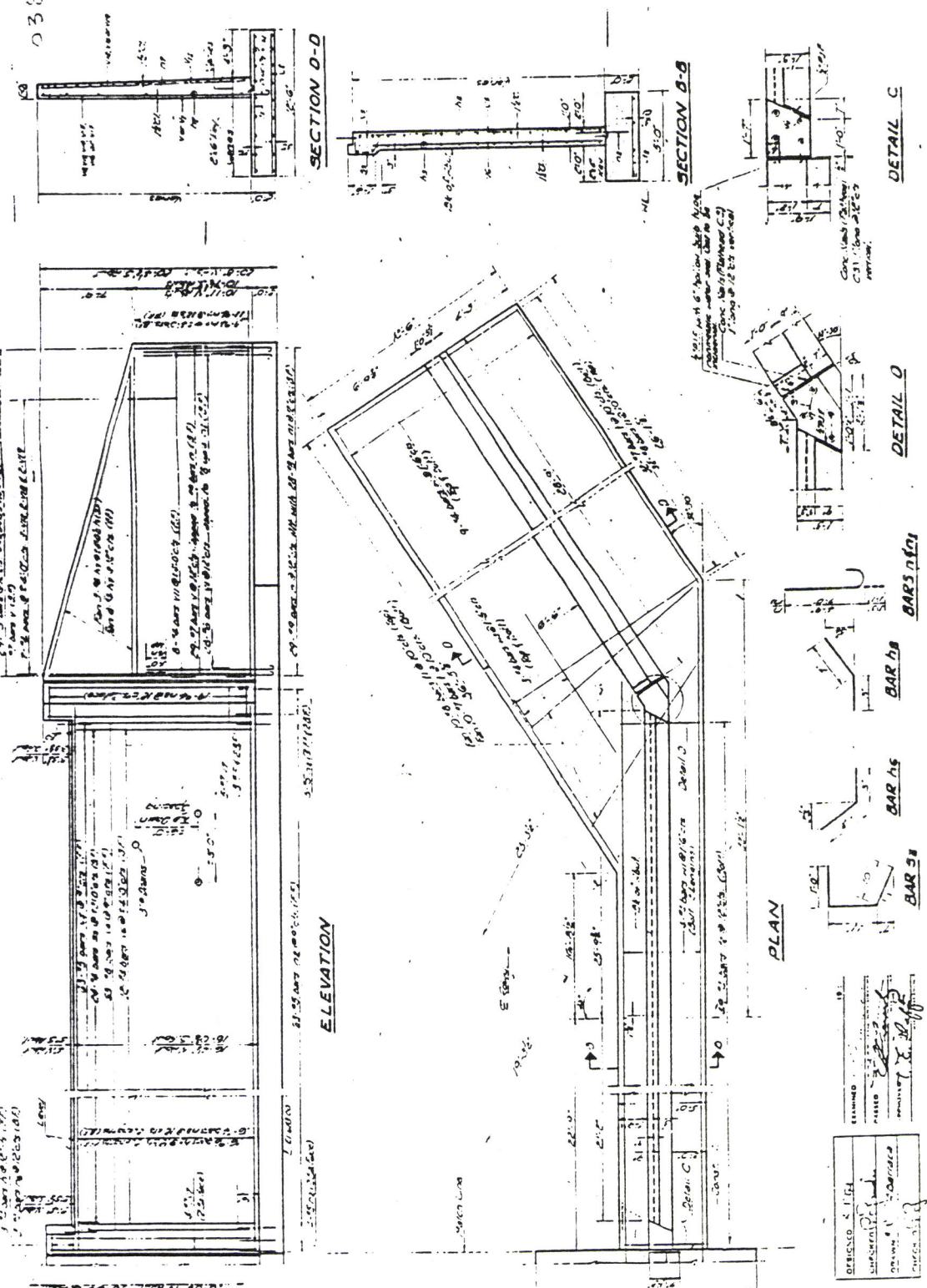
PROJECT NO.	10000-1	101	41
DATE	11/17/51		
SHEET NO.	5		

038-0149

TWO SUBSTRUCTURES
BILL OF MATERIAL

ITEM	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	CONCRETE	1.00	CU YD	1.00	1.00
2	STEEL	1.00	LB	1.00	1.00
3	BRICK	1.00	CU YD	1.00	1.00
4	CEMENT	1.00	CU YD	1.00	1.00
5	SAND	1.00	CU YD	1.00	1.00
6	GRAVEL	1.00	CU YD	1.00	1.00
7	WATER	1.00	CU YD	1.00	1.00
8	REINFORCING	1.00	CU YD	1.00	1.00
9	PAINT	1.00	CU YD	1.00	1.00
10	LABOR	1.00	CU YD	1.00	1.00
11	MAINTENANCE	1.00	CU YD	1.00	1.00
12	TRAVEL	1.00	CU YD	1.00	1.00
13	INSURANCE	1.00	CU YD	1.00	1.00
14	PERMIT	1.00	CU YD	1.00	1.00
15	TESTING	1.00	CU YD	1.00	1.00
16	CONCRETE	1.00	CU YD	1.00	1.00
17	STEEL	1.00	LB	1.00	1.00
18	BRICK	1.00	CU YD	1.00	1.00
19	CEMENT	1.00	CU YD	1.00	1.00
20	SAND	1.00	CU YD	1.00	1.00
21	GRAVEL	1.00	CU YD	1.00	1.00
22	WATER	1.00	CU YD	1.00	1.00
23	REINFORCING	1.00	CU YD	1.00	1.00
24	PAINT	1.00	CU YD	1.00	1.00
25	LABOR	1.00	CU YD	1.00	1.00
26	MAINTENANCE	1.00	CU YD	1.00	1.00
27	TRAVEL	1.00	CU YD	1.00	1.00
28	INSURANCE	1.00	CU YD	1.00	1.00
29	PERMIT	1.00	CU YD	1.00	1.00
30	TESTING	1.00	CU YD	1.00	1.00
31	CONCRETE	1.00	CU YD	1.00	1.00
32	STEEL	1.00	LB	1.00	1.00
33	BRICK	1.00	CU YD	1.00	1.00
34	CEMENT	1.00	CU YD	1.00	1.00
35	SAND	1.00	CU YD	1.00	1.00
36	GRAVEL	1.00	CU YD	1.00	1.00
37	WATER	1.00	CU YD	1.00	1.00
38	REINFORCING	1.00	CU YD	1.00	1.00
39	PAINT	1.00	CU YD	1.00	1.00
40	LABOR	1.00	CU YD	1.00	1.00
41	MAINTENANCE	1.00	CU YD	1.00	1.00
42	TRAVEL	1.00	CU YD	1.00	1.00
43	INSURANCE	1.00	CU YD	1.00	1.00
44	PERMIT	1.00	CU YD	1.00	1.00
45	TESTING	1.00	CU YD	1.00	1.00
46	CONCRETE	1.00	CU YD	1.00	1.00
47	STEEL	1.00	LB	1.00	1.00
48	BRICK	1.00	CU YD	1.00	1.00
49	CEMENT	1.00	CU YD	1.00	1.00
50	SAND	1.00	CU YD	1.00	1.00
51	GRAVEL	1.00	CU YD	1.00	1.00
52	WATER	1.00	CU YD	1.00	1.00
53	REINFORCING	1.00	CU YD	1.00	1.00
54	PAINT	1.00	CU YD	1.00	1.00
55	LABOR	1.00	CU YD	1.00	1.00
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58	INSURANCE	1.00	CU YD	1.00	1.00
59	PERMIT	1.00	CU YD	1.00	1.00
60	TESTING	1.00	CU YD	1.00	1.00
61	CONCRETE	1.00	CU YD	1.00	1.00
62	STEEL	1.00	LB	1.00	1.00
63	BRICK	1.00	CU YD	1.00	1.00
64	CEMENT	1.00	CU YD	1.00	1.00
65	SAND	1.00	CU YD	1.00	1.00
66	GRAVEL	1.00	CU YD	1.00	1.00
67	WATER	1.00	CU YD	1.00	1.00
68	REINFORCING	1.00	CU YD	1.00	1.00
69	PAINT	1.00	CU YD	1.00	1.00
70	LABOR	1.00	CU YD	1.00	1.00
71	MAINTENANCE	1.00	CU YD	1.00	1.00
72	TRAVEL	1.00	CU YD	1.00	1.00
73	INSURANCE	1.00	CU YD	1.00	1.00
74	PERMIT	1.00	CU YD	1.00	1.00
75	TESTING	1.00	CU YD	1.00	1.00
76	CONCRETE	1.00	CU YD	1.00	1.00
77	STEEL	1.00	LB	1.00	1.00
78	BRICK	1.00	CU YD	1.00	1.00
79	CEMENT	1.00	CU YD	1.00	1.00
80	SAND	1.00	CU YD	1.00	1.00
81	GRAVEL	1.00	CU YD	1.00	1.00
82	WATER	1.00	CU YD	1.00	1.00
83	REINFORCING	1.00	CU YD	1.00	1.00
84	PAINT	1.00	CU YD	1.00	1.00
85	LABOR	1.00	CU YD	1.00	1.00
86	MAINTENANCE	1.00	CU YD	1.00	1.00
87	TRAVEL	1.00	CU YD	1.00	1.00
88	INSURANCE	1.00	CU YD	1.00	1.00
89	PERMIT	1.00	CU YD	1.00	1.00
90	TESTING	1.00	CU YD	1.00	1.00
91	CONCRETE	1.00	CU YD	1.00	1.00
92	STEEL	1.00	LB	1.00	1.00
93	BRICK	1.00	CU YD	1.00	1.00
94	CEMENT	1.00	CU YD	1.00	1.00
95	SAND	1.00	CU YD	1.00	1.00
96	GRAVEL	1.00	CU YD	1.00	1.00
97	WATER	1.00	CU YD	1.00	1.00
98	REINFORCING	1.00	CU YD	1.00	1.00
99	PAINT	1.00	CU YD	1.00	1.00
100	LABOR	1.00	CU YD	1.00	1.00

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 87 OF 110



SUBSTRUCTURE
FAI 57 SEC 38-8B
IROQUOIS COUNTY
STA 1272+47

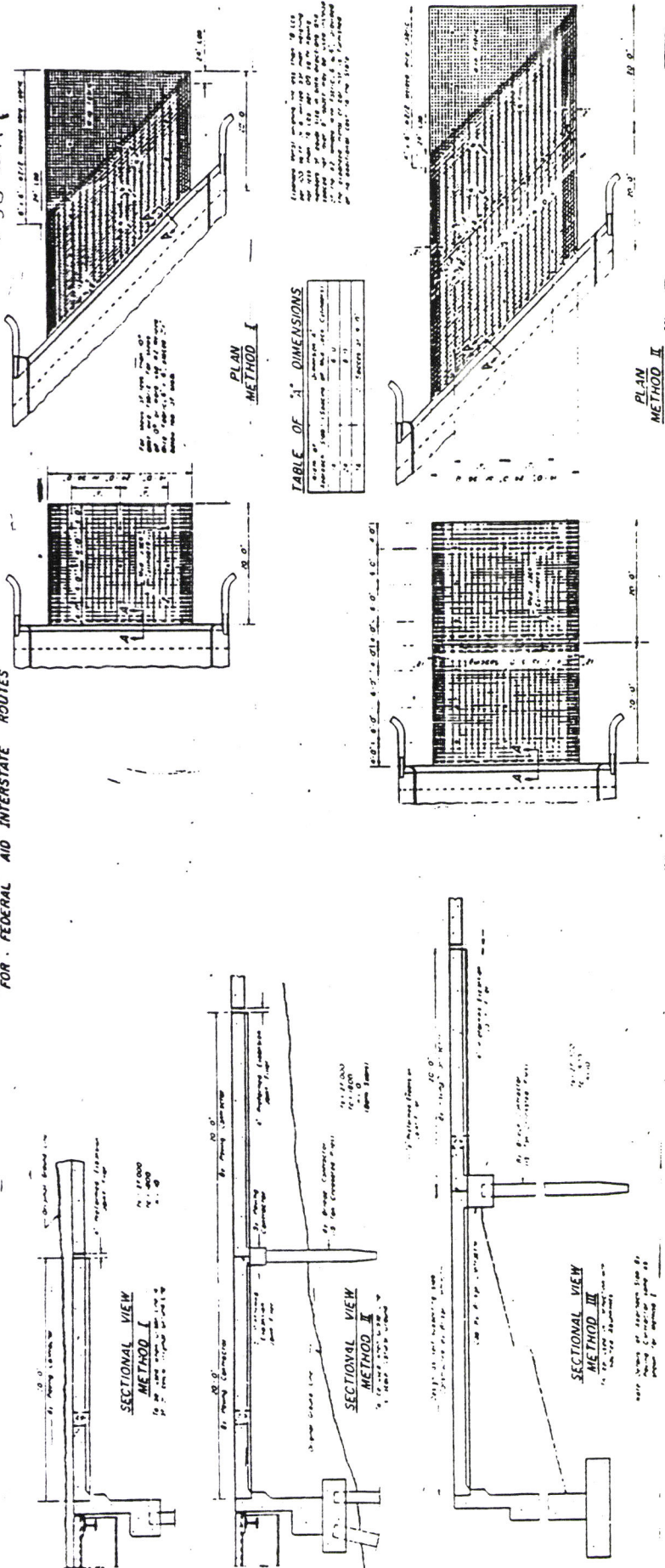
DESIGNED BY	11/17/51
CHECKED BY	11/17/51
APPROVED BY	11/17/51
DATE	11/17/51

1

EXISTING BRIDGE PLANS S.N. 038-0151 (SB) AND 038-0152 (NB)

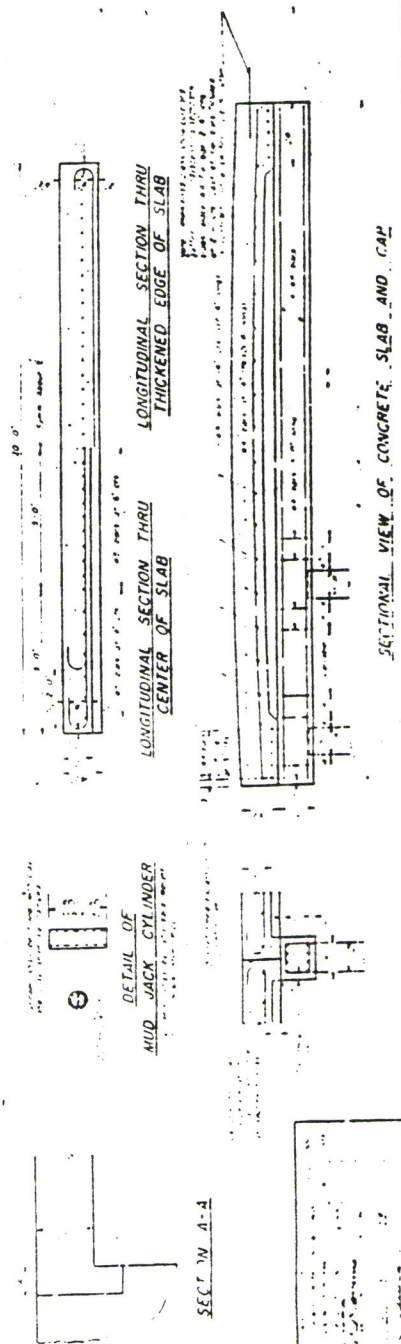
DETAILS OF BRIDGE APPROACHES FOR FEDERAL AND INTERSTATE ROUTES

038-0149

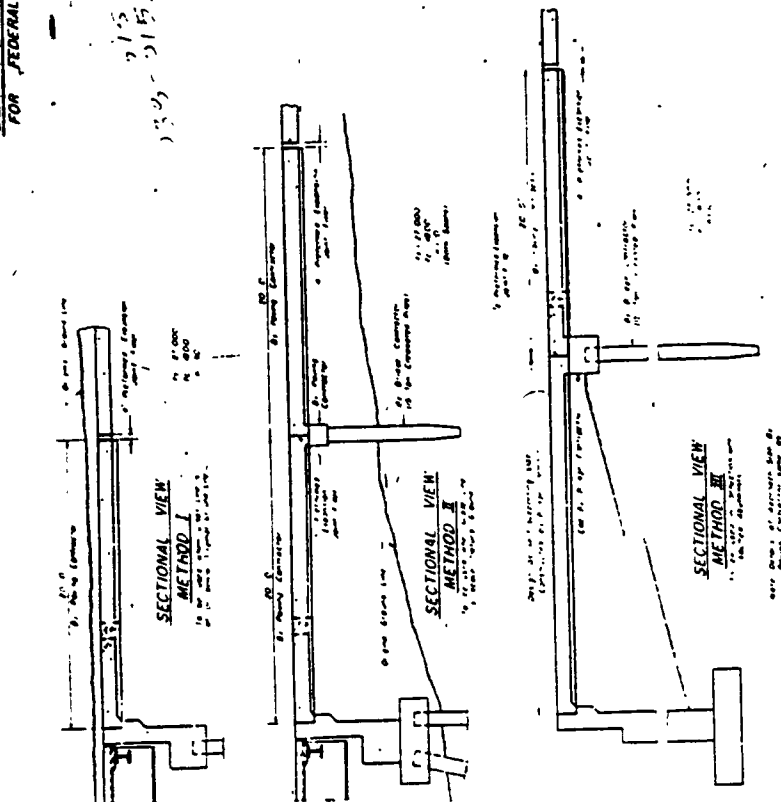
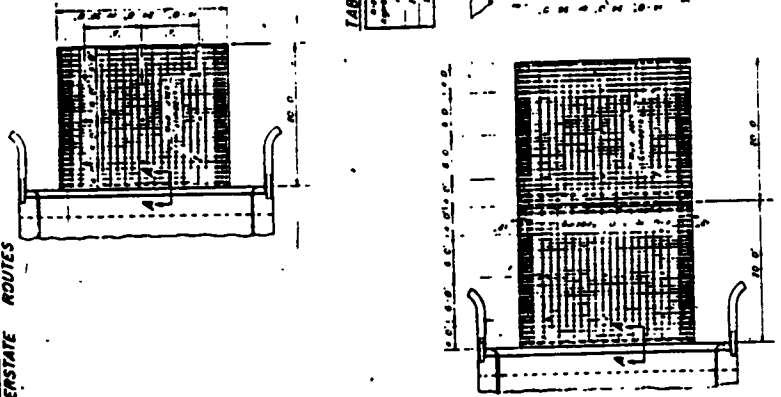
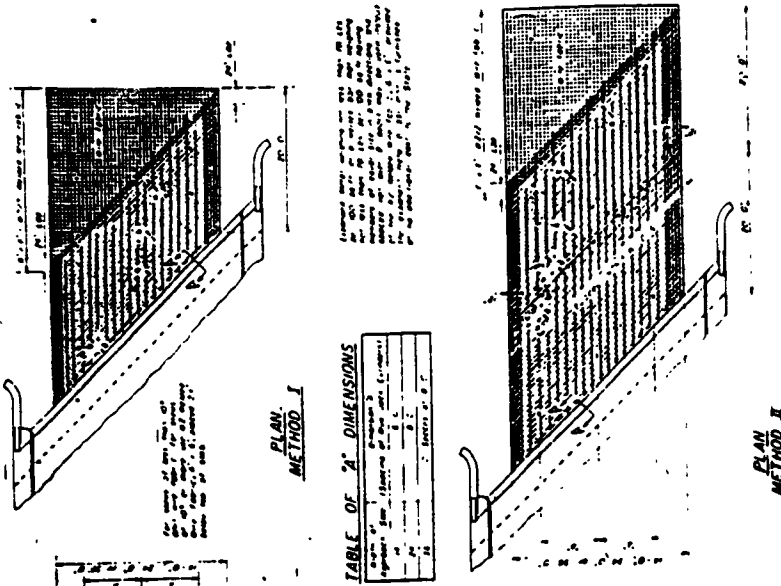


FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 89 OF 110

STANDARD 2138



DETAILS OF BRIDGE APPROACHES
FOR FEDERAL AID INTERSTATE ROUTES



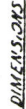
FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0151 (SB) AND 038-0152 (NB)

[illegible]

END ABUTMENTS
BILL OF MATERIAL

Year	n	AO	Age	Length	Stage
1961	1	40	25	25.0	II
1962	1	40	25	25.0	II
1963	1	40	25	25.0	II
1964	1	40	25	25.0	II
1965	1	40	25	25.0	II
1966	1	40	25	25.0	II
1967	1	40	25	25.0	II
1968	1	40	25	25.0	II
1969	1	40	25	25.0	II
1970	1	40	25	25.0	II
1971	1	40	25	25.0	II
1972	1	40	25	25.0	II
1973	1	40	25	25.0	II
1974	1	40	25	25.0	II
1975	1	40	25	25.0	II
1976	1	40	25	25.0	II
1977	1	40	25	25.0	II
1978	1	40	25	25.0	II
1979	1	40	25	25.0	II
1980	1	40	25	25.0	II
1981	1	40	25	25.0	II
1982	1	40	25	25.0	II
1983	1	40	25	25.0	II
1984	1	40	25	25.0	II
1985	1	40	25	25.0	II
1986	1	40	25	25.0	II
1987	1	40	25	25.0	II
1988	1	40	25	25.0	II
1989	1	40	25	25.0	II
1990	1	40	25	25.0	II
1991	1	40	25	25.0	II
1992	1	40	25	25.0	II
1993	1	40	25	25.0	II
1994	1	40	25	25.0	II
1995	1	40	25	25.0	II
1996	1	40	25	25.0	II
1997	1	40	25	25.0	II
1998	1	40	25	25.0	II
1999	1	40	25	25.0	II
2000	1	40	25	25.0	II
2001	1	40	25	25.0	II
2002	1	40	25	25.0	II
2003	1	40	25	25.0	II
2004	1	40	25	25.0	II
2005	1	40	25	25.0	II
2006	1	40	25	25.0	II
2007	1	40	25	25.0	II
2008	1	40	25	25.0	II
2009	1	40	25	25.0	II
2010	1	40	25	25.0	II
2011	1	40	25	25.0	II
2012	1	40	25	25.0	II
2013	1	40	25	25.0	II
2014	1	40	25	25.0	II
2015	1	40	25	25.0	II
2016	1	40	25	25.0	II
2017	1	40	25	25.0	II
2018	1	40	25	25.0	II
2019	1	40	25	25.0	II
2020	1	40	25	25.0	II
2021	1	40	25	25.0	II
2022	1	40	25	25.0	II
2023	1	40	25	25.0	II
2024	1	40	25	25.0	II
2025	1	40	25	25.0	II
2026	1	40	25	25.0	II
2027	1	40	25	25.0	II
2028	1	40	25	25.0	II
2029	1	40	25	25.0	II
2030	1	40	25	25.0	II
2031	1	40	25	25.0	II

FOOTING PLAN

REINFORCEMENT

[illegible]

FOR INFORMATION ONLY

[illegible]

TOTAL BILL OF MATERIAL

Class A & B Excavation for Structures includes excavation for Stone etc!

PROJ. 1-57-6-69
GENERAL PLAN 1 ELEVATION
EAL RT. 57 OVER SPRINGS CREEK
DRAINAGE DISTRICT BRANCH '2
EAL RT. 57 SEC. 38-68-1
ILLINOIS COUNTY
STA. 963+62.5

DESIGN STRESSES
 $R_c = 1400 \text{ psi Superficial}$
 $R_t = 75 \text{ psi Flys}$
 $R_b = 20000 \text{ psi Round}$
 $R_s = 20000 \text{ psi Street}$
 $n = 10$

LEADING MS-20-111117

TATION 963+62.5
BUILT 196 BY
STATE OF ILLINOIS
FAT. BY ST. SEC. 23-03
FA PROJ. 137-670
LOADING 4520 (ALT
NAME PLATE LETTERS

NAME PLATE: 6775RANG

[illegible]

SECTION A-A

SECTION 0-0

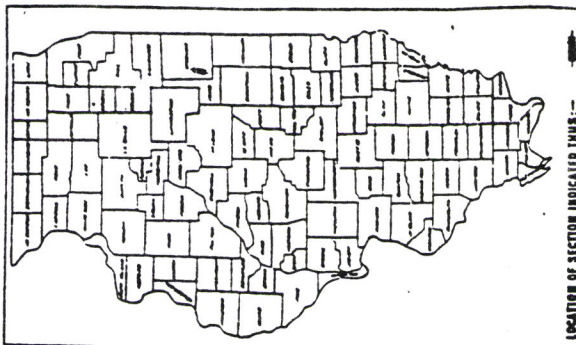
EXISTING BRIDGE PLANS S.N. 038-0153 (SB) AND 038-0154 (NB)

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

INDEX OF SHEETS ON SHEET NO. 6

SET 1 OF
2 SETS

57	14	100000/13	95	1
1	1	1	1	1

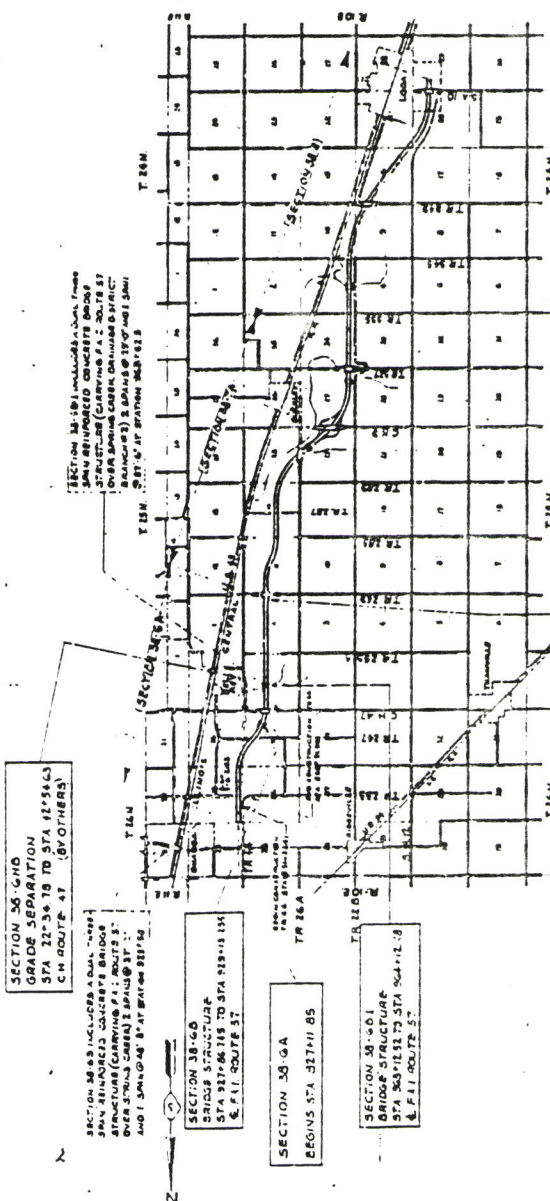


LOCATION OF SECTION INDICATED THEREIN

FAI 57 (I-57)
SECTION (38-8B, 7B-1, 7B, 6B-1, 6B) I
IROQUOIS COUNTY
SHEET 97 OF 110

F.A.I. ROUTE 57, SECTION 38-6A, 38-6B & 38-6B-1, IROQUOIS COUNTY

SCALES
1" = 100' HORIZ.
1" = 20' VERT.



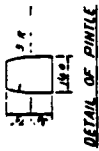
SECTION 38-6A
ENDS STA 1042+00
SCALE 1" = 1 MILE

LOCATION PLAN
SCALE 1" = 1 MILE

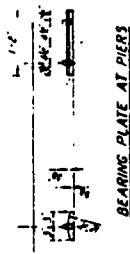
FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0153 (SB) AND 038-0154 (NB)

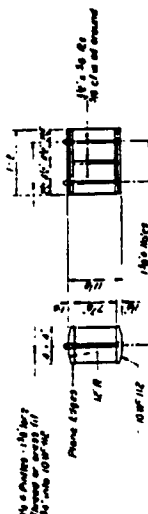
038-0153
-0154



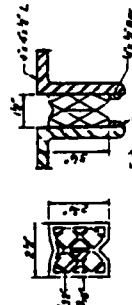
DETAIL OF PINTLE



BEARING PLATE AT PIERS



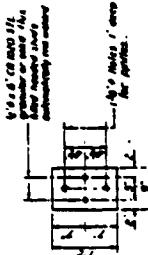
ROCKEFAR AT ABUTS



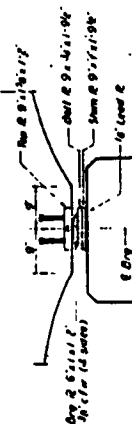
PREFORMED JOINT SEALER

BEARING DETAILS
FAL RT 37 SEC 38-66-1
IRONWOODS COUNTY
SDA 2003-66-5

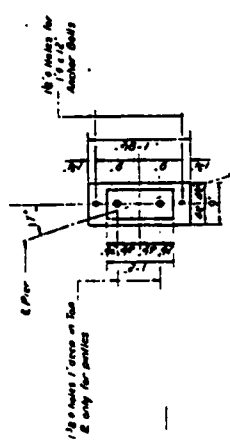
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



PLAN OF TOP PLATE
AT ABUTTS & PIERS

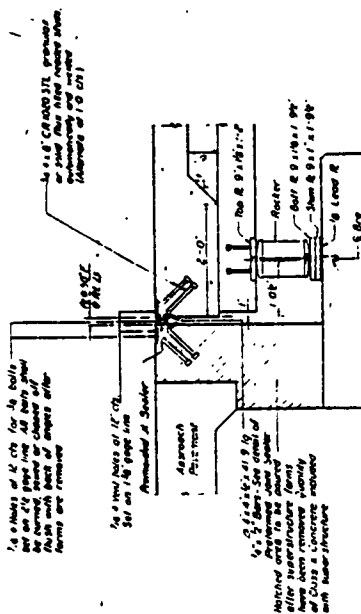


PIERS

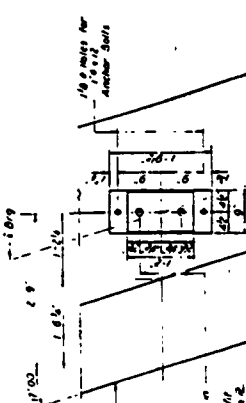


PLAN

SHIM 1" DIMENSIONS											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	1	1	1	1	1	1	1	1	1	1	1
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SECTION AT ADJUSTMENTS



PLAN

[illegible]

[illegible]

GIRDER ORIGINATES (ALL GIRDERS)

11/10/2015 10:00 AM

RAIL POST SPACING
1. See the CUN RA-2 for details)

MODIFIED END POST
(At end, W Bridge, 3 and E Bridge)

Use order of bars full length
to fill gap and use remainder
of bars in adjacent end

[illegible]

END VIEW
FLOOR DRAIN

DISPOSED	18 YEARS	MAILED	1955
CHECKED	18	MAILED	1955
DRAWN	18	MAILED	1955

AT 6 SPANS

CROSS SECTION

Location: South - 10 mi. N. of
 Location: North - N. B. Rd.
 Location: South - 10 mi. N. of

00 INCLOSURE OF LAST AND FIRST #3
0-00 22 - SUBMISSIONS ONLY

•	Structural Steel	LDL	1,5760
-	Asphalt Concrete	Ca 170	4.9
	Class A Concrete	Ca 100	3.9.0
••	Roadway Pavement Stone	LDL	14,050
•••	Powerplant & Sewer	LDL	1.170

TWO SUPERSTRUCTURES
BILL OF MATERIAL

30"	40"	50"	60"	70"
1	140	25	11-10	—
2	145	25	11-8	—
3	148	25	11-8	—
4	152	25	11-9	—
5	156	25	11-9	—

•	Structural Steel	LDL	1,5760
-	Asphalt Concrete	Ca 170	4.9
	Class A Concrete	Ca 100	3.9.0
••	Roadway Pavement Stone	LDL	14,050
•••	Powerplant & Sewer	LDL	1.170

- includes scope of expansion project and bearing services
- includes bar list on sheet #3

WASH DC - 4/24/74
RFB - 4/24/74

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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FOR INFORMATION ONLY

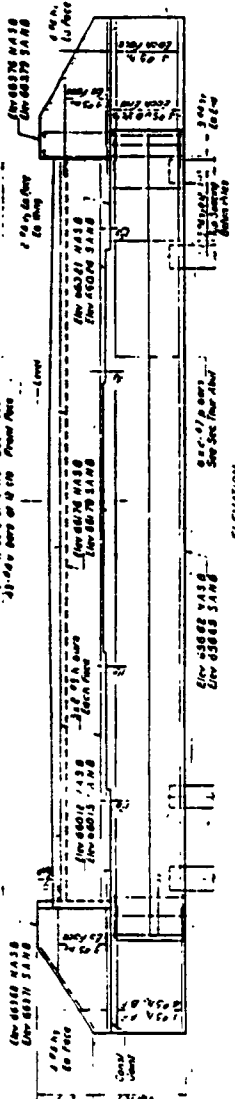
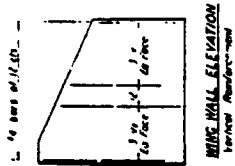
EXISTING BRIDGE PLANS S.N. 038-0153 (SB) AND 038-0154 (NB)

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

128-0153, 0154

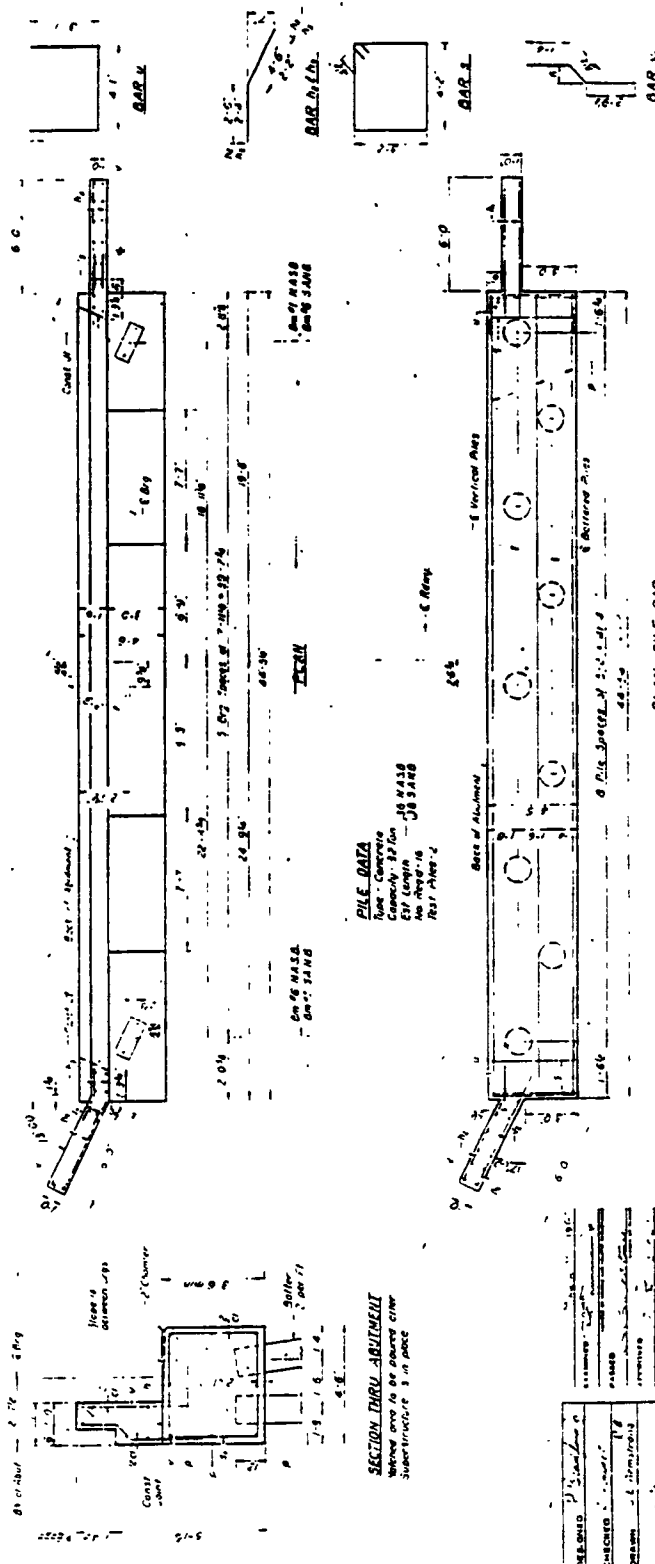
NOTE: VASB-NORTH Abutment South Abutment North Bridge Structure
SAB-N-South Abutment North Bridge Structure

PROJECT NO.	DATE	BY	CHKD.
128-0153, 0154	11-17-57	PROJ. ENG.	55
		DESIGNER	59



TWO ABUTMENTS
ONE OF MATERIAL

NO.	DESCRIPTION	QTY.	UNIT	PRICE	TOTAL
1	CONCRETE	1.00	CU YD	1.00	1.00
2	STEEL	1.00	LB	1.00	1.00
3	BRICK	1.00	CU YD	1.00	1.00
4	GRAVEL	1.00	CU YD	1.00	1.00
5	SAND	1.00	CU YD	1.00	1.00
6	WATER	1.00	CU YD	1.00	1.00
7	CEMENT	1.00	CU YD	1.00	1.00
8	REINFORCING	1.00	CU YD	1.00	1.00
9	PAINT	1.00	CU YD	1.00	1.00
10	LABOR	1.00	CU YD	1.00	1.00
11	TRUCK	1.00	CU YD	1.00	1.00
12	MAINTENANCE	1.00	CU YD	1.00	1.00
13	INSURANCE	1.00	CU YD	1.00	1.00
14	PERMIT	1.00	CU YD	1.00	1.00
15	TESTING	1.00	CU YD	1.00	1.00
16	CONSTRUCTION	1.00	CU YD	1.00	1.00
17	DEMOLITION	1.00	CU YD	1.00	1.00
18	LANDSCAPING	1.00	CU YD	1.00	1.00
19	UTILITIES	1.00	CU YD	1.00	1.00
20	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
21	ARCHITECTURAL	1.00	CU YD	1.00	1.00
22	ENGINEERING	1.00	CU YD	1.00	1.00
23	CONSTRUCTION	1.00	CU YD	1.00	1.00
24	DEMOLITION	1.00	CU YD	1.00	1.00
25	LANDSCAPING	1.00	CU YD	1.00	1.00
26	UTILITIES	1.00	CU YD	1.00	1.00
27	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
28	ARCHITECTURAL	1.00	CU YD	1.00	1.00
29	ENGINEERING	1.00	CU YD	1.00	1.00
30	CONSTRUCTION	1.00	CU YD	1.00	1.00
31	DEMOLITION	1.00	CU YD	1.00	1.00
32	LANDSCAPING	1.00	CU YD	1.00	1.00
33	UTILITIES	1.00	CU YD	1.00	1.00
34	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
35	ARCHITECTURAL	1.00	CU YD	1.00	1.00
36	ENGINEERING	1.00	CU YD	1.00	1.00
37	CONSTRUCTION	1.00	CU YD	1.00	1.00
38	DEMOLITION	1.00	CU YD	1.00	1.00
39	LANDSCAPING	1.00	CU YD	1.00	1.00
40	UTILITIES	1.00	CU YD	1.00	1.00
41	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
42	ARCHITECTURAL	1.00	CU YD	1.00	1.00
43	ENGINEERING	1.00	CU YD	1.00	1.00
44	CONSTRUCTION	1.00	CU YD	1.00	1.00
45	DEMOLITION	1.00	CU YD	1.00	1.00
46	LANDSCAPING	1.00	CU YD	1.00	1.00
47	UTILITIES	1.00	CU YD	1.00	1.00
48	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
49	ARCHITECTURAL	1.00	CU YD	1.00	1.00
50	ENGINEERING	1.00	CU YD	1.00	1.00
51	CONSTRUCTION	1.00	CU YD	1.00	1.00
52	DEMOLITION	1.00	CU YD	1.00	1.00
53	LANDSCAPING	1.00	CU YD	1.00	1.00
54	UTILITIES	1.00	CU YD	1.00	1.00
55	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
56	ARCHITECTURAL	1.00	CU YD	1.00	1.00
57	ENGINEERING	1.00	CU YD	1.00	1.00
58	CONSTRUCTION	1.00	CU YD	1.00	1.00
59	DEMOLITION	1.00	CU YD	1.00	1.00
60	LANDSCAPING	1.00	CU YD	1.00	1.00
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66	DEMOLITION	1.00	CU YD	1.00	1.00
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78	ENGINEERING	1.00	CU YD	1.00	1.00
79	CONSTRUCTION	1.00	CU YD	1.00	1.00
80	DEMOLITION	1.00	CU YD	1.00	1.00
81	LANDSCAPING	1.00	CU YD	1.00	1.00
82	UTILITIES	1.00	CU YD	1.00	1.00
83	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
84	ARCHITECTURAL	1.00	CU YD	1.00	1.00
85	ENGINEERING	1.00	CU YD	1.00	1.00
86	CONSTRUCTION	1.00	CU YD	1.00	1.00
87	DEMOLITION	1.00	CU YD	1.00	1.00
88	LANDSCAPING	1.00	CU YD	1.00	1.00
89	UTILITIES	1.00	CU YD	1.00	1.00
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92	ENGINEERING	1.00	CU YD	1.00	1.00
93	CONSTRUCTION	1.00	CU YD	1.00	1.00
94	DEMOLITION	1.00	CU YD	1.00	1.00
95	LANDSCAPING	1.00	CU YD	1.00	1.00
96	UTILITIES	1.00	CU YD	1.00	1.00
97	ENVIRONMENTAL	1.00	CU YD	1.00	1.00
98	ARCHITECTURAL	1.00	CU YD	1.00	1.00
99	ENGINEERING	1.00	CU YD	1.00	1.00
100	CONSTRUCTION	1.00	CU YD	1.00	1.00



PILE DATA
Type - Concrete
Capacity - 20 tons
Length - 10 ft
Diameter - 18 in
Reinforcing - 4

SECTION THRU ABUTMENT
Showing cross section of abutment and foundation.

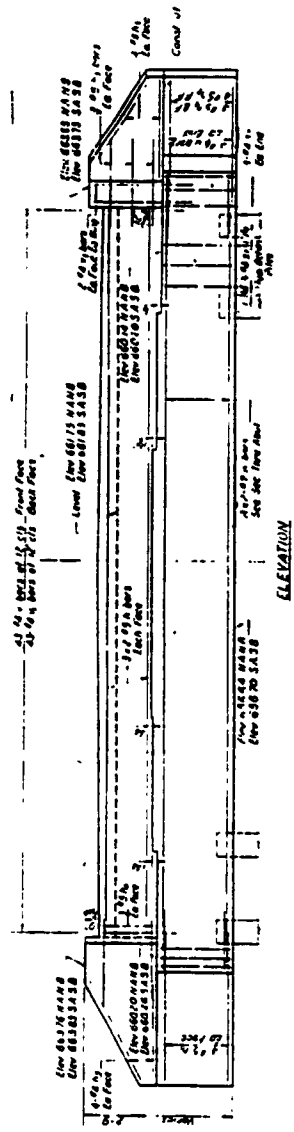
DESIGNED BY	11/17/57
CHECKED BY	11/17/57
DATE	11/17/57
PROJECT	128-0153, 0154
BY	11/17/57

NORTH ABUT. S.B. STRUCTURE
SOUTH ABUT. N.B. STRUCTURE
FAI 57 SEC. 38-8B-1
IROQUOIS COUNTY
STA. 963+82.3

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 102 OF 110

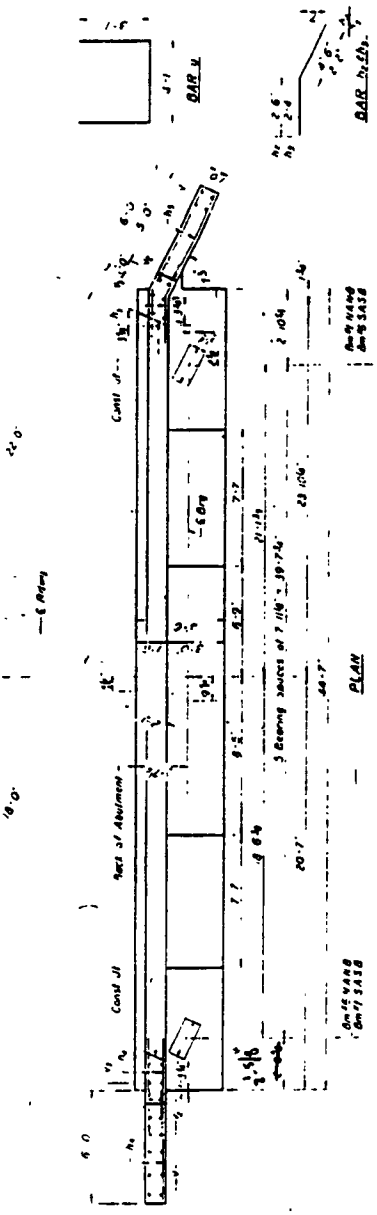
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



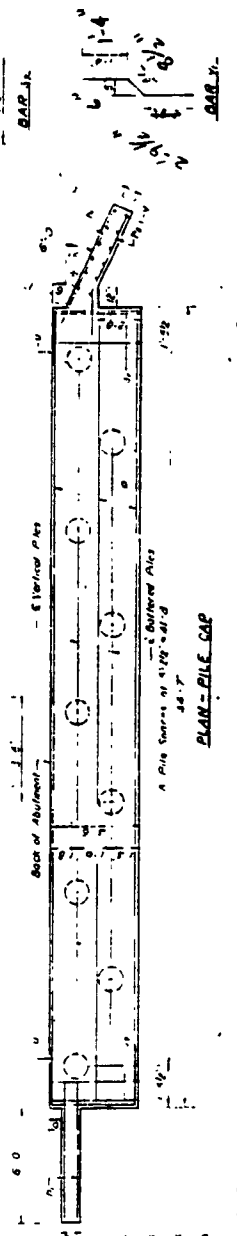
NOTES

038-0153



PLAN

PILE DATA
Type - Concrete
Capacity - 121
Est Length - 13
No. Reqd - 18



PLAN - PILE CAP

NORTH ABUT. N.O. STRUCTURE
SOUTH ABUT. S.O. STRUCTURE
EAL. AT 57 DEC. 30-68-1
ILLINOIS COUNTY.
ATA 941-681

W101.00 N A N B = North Abutment Main Guard Structure
S A S B = South Abutment South Guard Structure

SECTION 7009 EQUIPMENT
WORKED 3-10-72 LE SOURCE aff-
SUPERSTRUCTURE IS IN PLACE

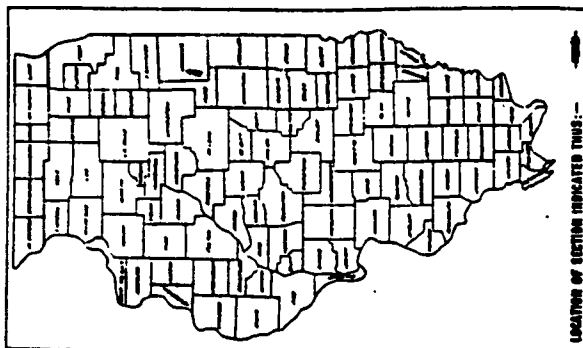
DESIGNED (Revised)	DATE 10-1-1953
CHECKED BY	DATE 10-1-1953
DRAWN (Amending)	DATE 10-1-1953
CHECKED BY	DATE 10-1-1953

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

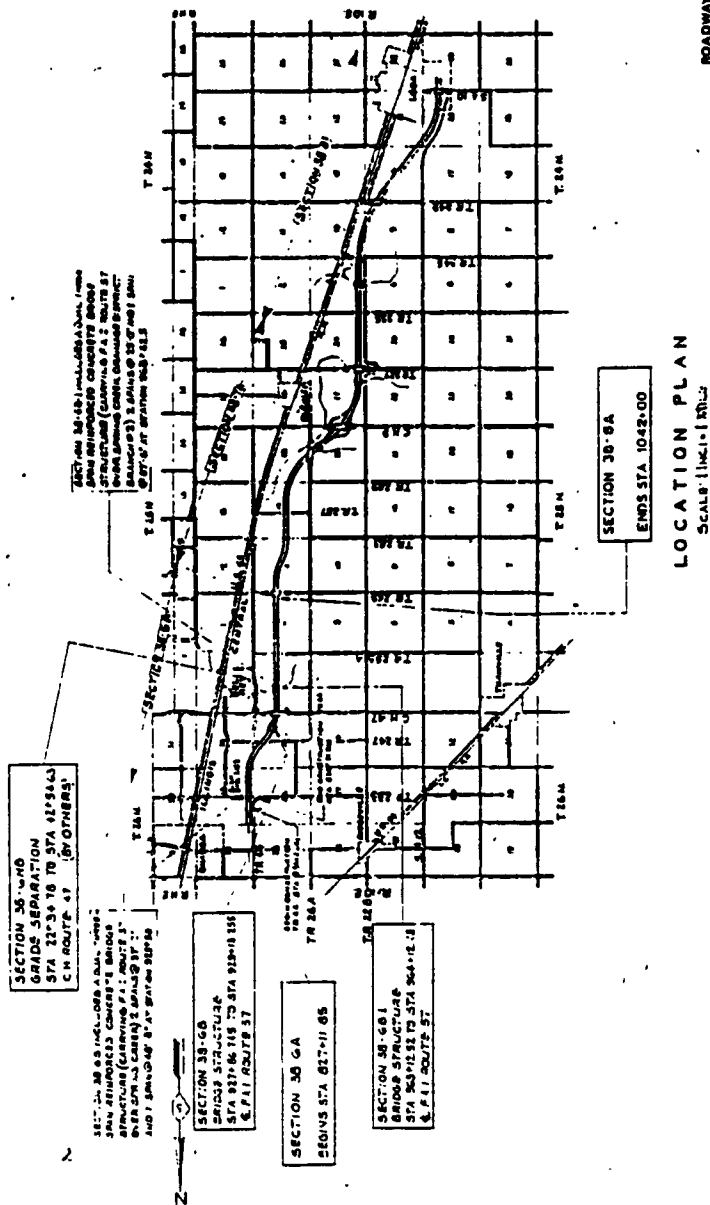
INDEX OF SHEETS ON SHEET NO. 6

SET 1 OF
2 SETS

NO.	SECTION	DATE
37	38-6A, 38-6B, 38-6C, 38-6D, 38-6E, 38-6F, 38-6G, 38-6H, 38-6I, 38-6J, 38-6K, 38-6L, 38-6M, 38-6N, 38-6O, 38-6P, 38-6Q, 38-6R, 38-6S, 38-6T, 38-6U, 38-6V, 38-6W, 38-6X, 38-6Y, 38-6Z	1948



F.A.I. ROUTE 57, SECTION 38-6A, 38-6B & 38-6C, IROQUOIS COUNTY



ROADWAY CLASSIFICATION
FAI ROUTE 57
1748 (001) 8-1 8.34 (PCC-20)

LOCATION PLAN
SCALE: 1"=100'

FAI 57 (I-57)
SECTION (38-8B, 7B-1, 7B, 6B-1, 6B) I
IROQUOIS COUNTY
SHEET 104 OF 110

FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0155 (SB) AND 038-0156 (NB)

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 103 OF 110

DETAILS OF BRIDGE APPROACHES
FOR FEDERAL AID INTERSTATE ROUTES

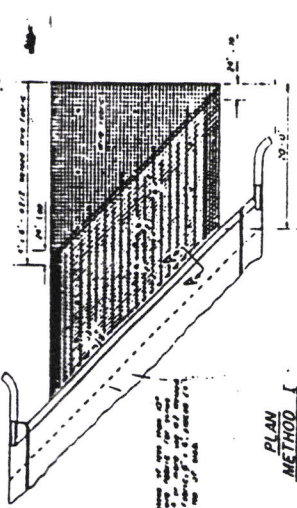
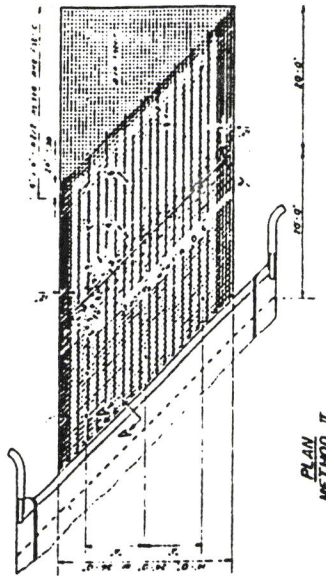


TABLE OF 1" DIMENSIONS

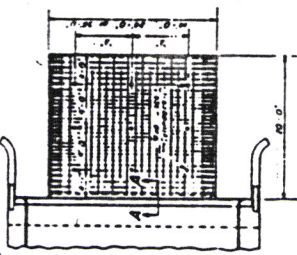
ITEM	1" DIMENSION
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2. BRIDGE	1.00
3. APPROACH	1.00
4. BRIDGE	1.00
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99. APPROACH	1.00
100. BRIDGE	1.00



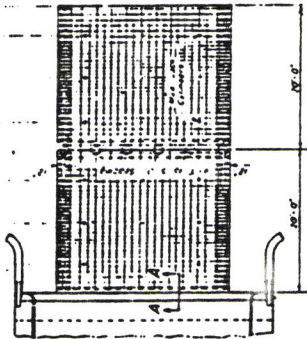
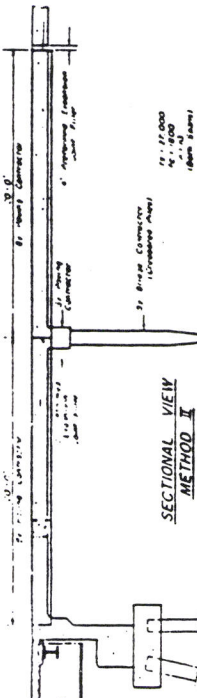
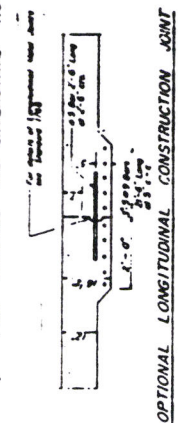
GENERAL NOTES

1. The approach shall be constructed to the centerline of the bridge. 2. The approach shall be constructed to the centerline of the bridge. 3. The approach shall be constructed to the centerline of the bridge.

STANDARD 2136-6

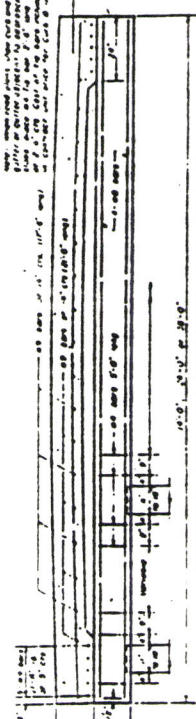
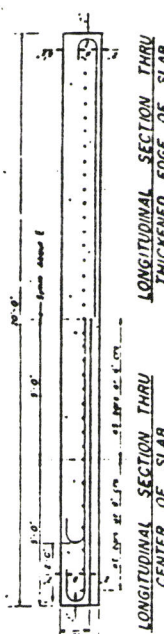


038-0153
- 0154

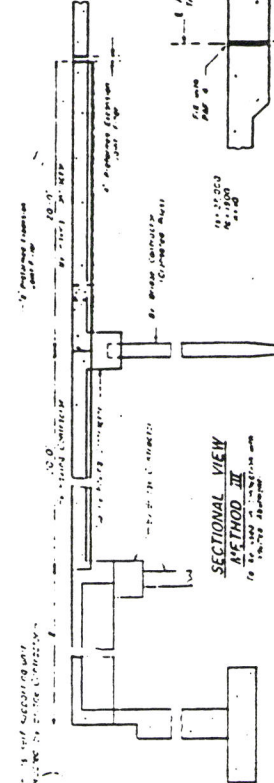
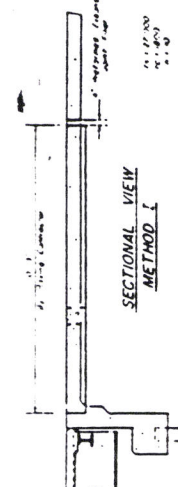


LONGITUDINAL EXPANSION JOINT

Notes: 1. The approach shall be constructed to the centerline of the bridge. 2. The approach shall be constructed to the centerline of the bridge. 3. The approach shall be constructed to the centerline of the bridge.

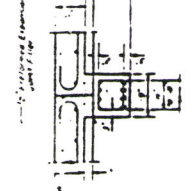
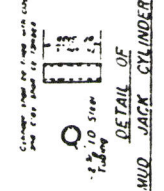


SECTIONAL VIEW OF CONCRETE SLAB AND CAP



SECTIONAL VIEW METHOD II

Notes: 1. The approach shall be constructed to the centerline of the bridge. 2. The approach shall be constructed to the centerline of the bridge. 3. The approach shall be constructed to the centerline of the bridge.



SECTION A-A

FOR INFORMATION ONLY

EXISTING BRIDGE PLANS S.N. 038-0153 (SB) AND 038-0154 (NB)

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 108 OF 110

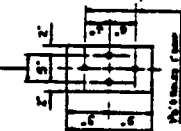
NO.	DESCRIPTION	DATE	BY	CHKD.
1	DESIGNED	11/11/55	J. E. HARRIS	
2	CHECKED	11/11/55	J. E. HARRIS	
3	APPROVED	11/11/55	J. E. HARRIS	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

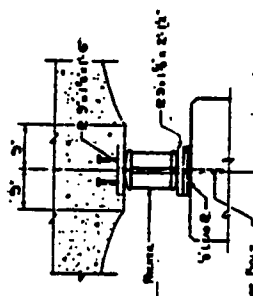
40' RAMP IN @ 12% GRADE WITH 3'-0" CURB TO FACE OF ROAD
22'-0" BARS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 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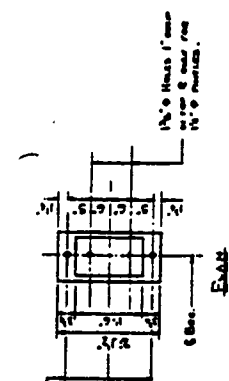
038-0155
038-0156



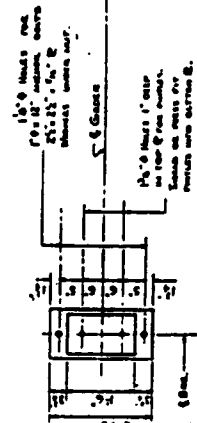
Plan on Top Rate
for April 1st Pay



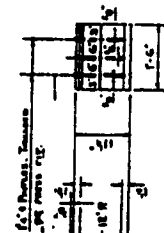
Page 1



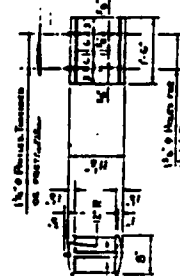
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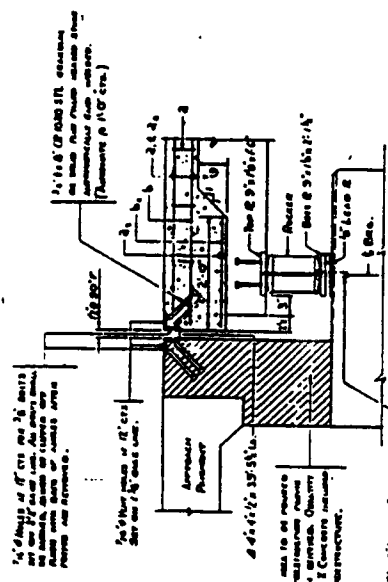
Diag. of No. 1118.



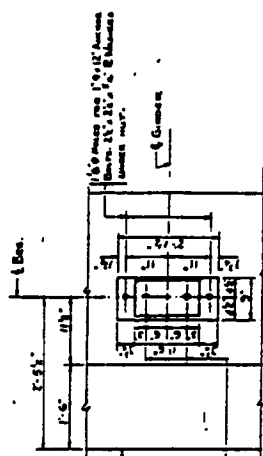
DETAIL OF RECEIPTS
BY PAGE 1 & ASSIGNMENTS



DETAILED
REMARKS



~~Section A-V~~



PLAN

[illegible]

DATE	10-0-11
TIME	10:00 AM
NAME	10-0-11
ADDRESS	10-0-11

DETAILS OF BRIDGE APPROACHES FOR FEDERAL AND INTERSTATE ROUTES

FAI 57 (I-57)
SECTION (38-8B,7B-1,7B,6B-1,6B) I
IROQUOIS COUNTY
SHEET 110 OF 110

GENERAL NOTES

1. THE BRIDGE APPROACHES SHALL BE CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, EDITION 1981, WITH THE FOLLOWING MODIFICATIONS:

2. THE BRIDGE APPROACHES SHALL BE CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, EDITION 1981, WITH THE FOLLOWING MODIFICATIONS:

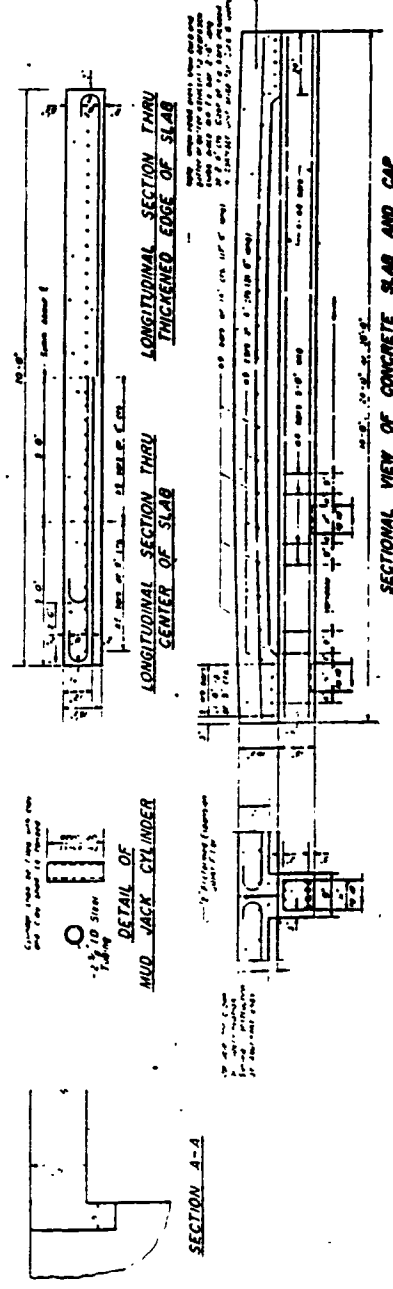
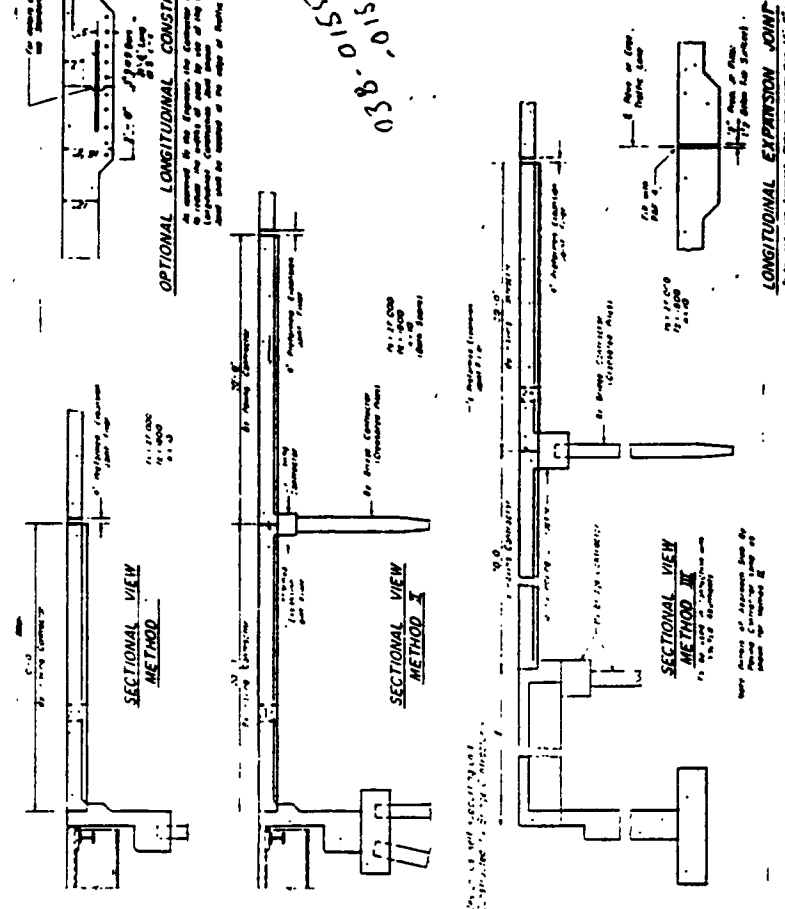
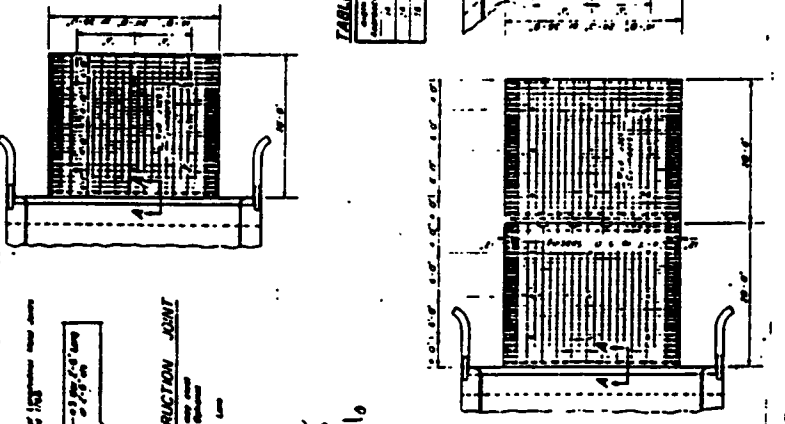
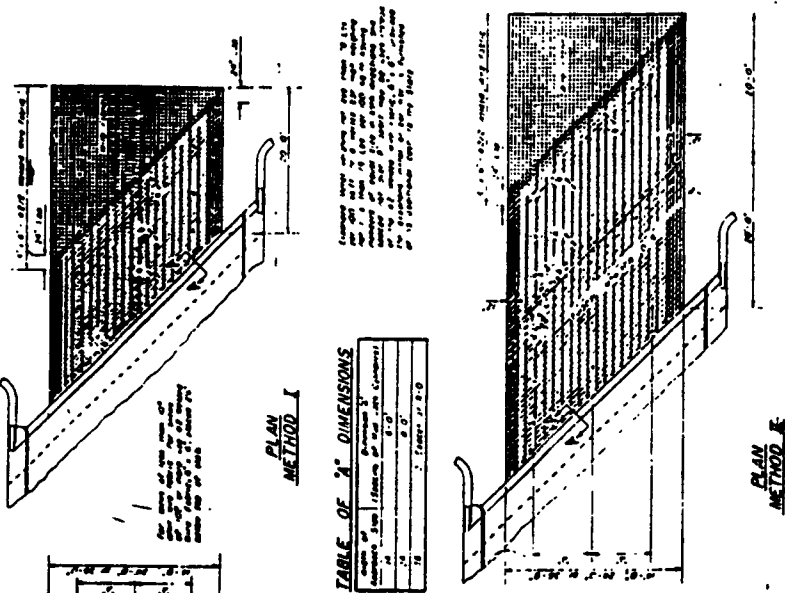
3. THE BRIDGE APPROACHES SHALL BE CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, EDITION 1981, WITH THE FOLLOWING MODIFICATIONS:

4. THE BRIDGE APPROACHES SHALL BE CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, EDITION 1981, WITH THE FOLLOWING MODIFICATIONS:

5. THE BRIDGE APPROACHES SHALL BE CONSTRUCTED TO THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, EDITION 1981, WITH THE FOLLOWING MODIFICATIONS:

TABLE OF 2" DIMENSIONS

ITEM	DESCRIPTION	UNIT	VALUE
1	BRIDGE APPROACH	FEET	10.0
2	BRIDGE APPROACH	FEET	10.0
3	BRIDGE APPROACH	FEET	10.0
4	BRIDGE APPROACH	FEET	10.0
5	BRIDGE APPROACH	FEET	10.0

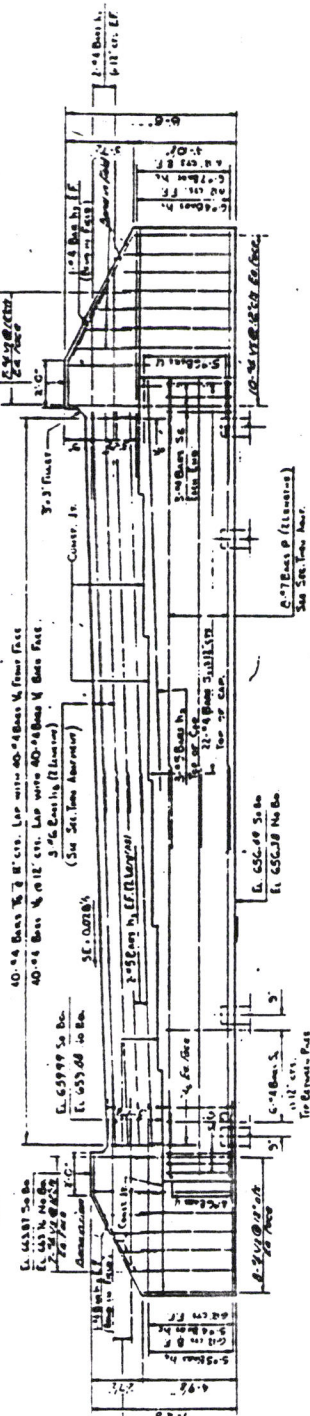


FOR INFORMATION ONLY

Sheet No. 0
13 Sheets

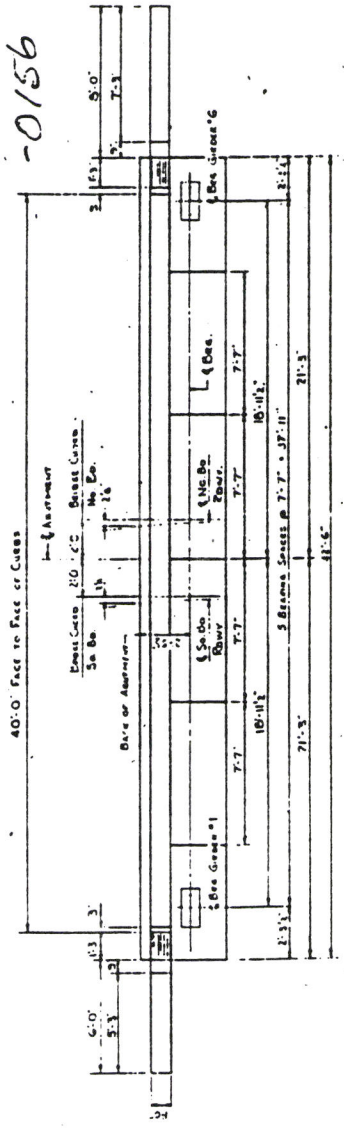
NO.	DESCRIPTION	DATE	BY
1	REVISION	10/15/55	SB
2	REVISION	10/15/55	SB

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



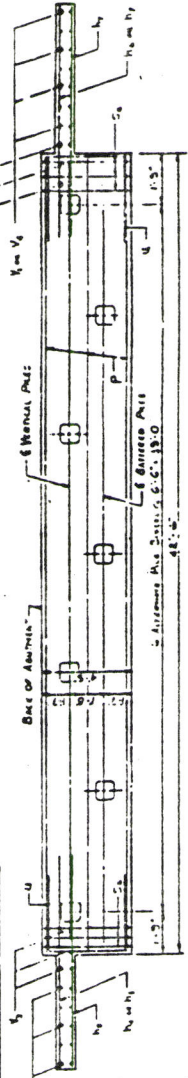
038-0155,
-0156

ELEVATION



PILE DATA
Type - Concrete
Length - 48' 0"
Diameter - 24" 0"
No. Piles - 13
No. and Type of Abutment
No. and Type of Pier

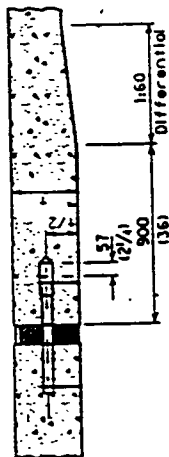
STEP ELEVATIONS



PLAN - PILE CAP

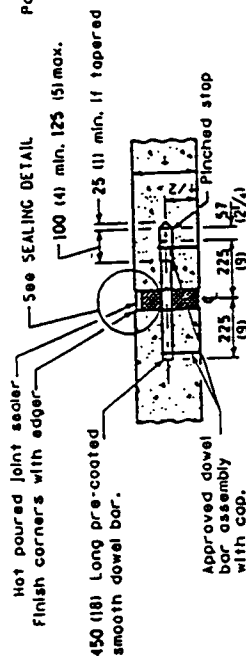
Two Segments
PLAN OF MATERIALS

NO.	TYPE	QUANTITY	UNIT
1	Concrete	10.0	cu yd
2	Concrete	10.0	cu yd
3	Concrete	10.0	cu yd
4	Concrete	10.0	cu yd
5	Concrete	10.0	cu yd
6	Concrete	10.0	cu yd
7	Concrete	10.0	cu yd
8	Concrete	10.0	cu yd
9	Concrete	10.0	cu yd
10	Concrete	10.0	cu yd
11	Concrete	10.0	cu yd
12	Concrete	10.0	cu yd
13	Concrete	10.0	cu yd
14	Concrete	10.0	cu yd
15	Concrete	10.0	cu yd
16	Concrete	10.0	cu yd
17	Concrete	10.0	cu yd
18	Concrete	10.0	cu yd
19	Concrete	10.0	cu yd
20	Concrete	10.0	cu yd
21	Concrete	10.0	cu yd
22	Concrete	10.0	cu yd
23	Concrete	10.0	cu yd
24	Concrete	10.0	cu yd
25	Concrete	10.0	cu yd
26	Concrete	10.0	cu yd
27	Concrete	10.0	cu yd
28	Concrete	10.0	cu yd
29	Concrete	10.0	cu yd
30	Concrete	10.0	cu yd
31	Concrete	10.0	cu yd
32	Concrete	10.0	cu yd
33	Concrete	10.0	cu yd
34	Concrete	10.0	cu yd
35	Concrete	10.0	cu yd
36	Concrete	10.0	cu yd
37	Concrete	10.0	cu yd
38	Concrete	10.0	cu yd
39	Concrete	10.0	cu yd
40	Concrete	10.0	cu yd
41	Concrete	10.0	cu yd
42	Concrete	10.0	cu yd
43	Concrete	10.0	cu yd
44	Concrete	10.0	cu yd
45	Concrete	10.0	cu yd
46	Concrete	10.0	cu yd
47	Concrete	10.0	cu yd
48	Concrete	10.0	cu yd
49	Concrete	10.0	cu yd
50	Concrete	10.0	cu yd
51	Concrete	10.0	cu yd
52	Concrete	10.0	cu yd
53	Concrete	10.0	cu yd
54	Concrete	10.0	cu yd
55	Concrete	10.0	cu yd
56	Concrete	10.0	cu yd
57	Concrete	10.0	cu yd
58	Concrete	10.0	cu yd
59	Concrete	10.0	cu yd
60	Concrete	10.0	cu yd
61	Concrete	10.0	cu yd
62	Concrete	10.0	cu yd
63	Concrete	10.0	cu yd
64	Concrete	10.0	cu yd
65	Concrete	10.0	cu yd
66	Concrete	10.0	cu yd
67	Concrete	10.0	cu yd
68	Concrete	10.0	cu yd
69	Concrete	10.0	cu yd
70	Concrete	10.0	cu yd
71	Concrete	10.0	cu yd
72	Concrete	10.0	cu yd
73	Concrete	10.0	cu yd
74	Concrete	10.0	cu yd
75	Concrete	10.0	cu yd
76	Concrete	10.0	cu yd
77	Concrete	10.0	cu yd
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82	Concrete	10.0	cu yd
83	Concrete	10.0	cu yd
84	Concrete	10.0	cu yd
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86	Concrete	10.0	cu yd
87	Concrete	10.0	cu yd
88	Concrete	10.0	cu yd
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90	Concrete	10.0	cu yd
91	Concrete	10.0	cu yd
92	Concrete	10.0	cu yd
93	Concrete	10.0	cu yd
94	Concrete	10.0	cu yd
95	Concrete	10.0	cu yd
96	Concrete	10.0	cu yd
97	Concrete	10.0	cu yd
98	Concrete	10.0	cu yd
99	Concrete	10.0	cu yd
100	Concrete	10.0	cu yd



EXPANSION JOINT

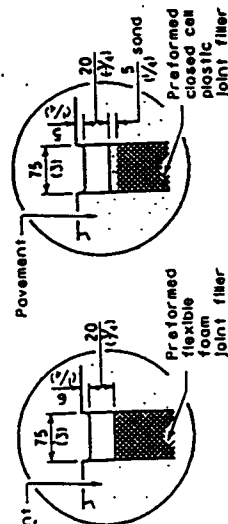
(For pavements with unequal thickness)
See DETAIL OF EXPANSION JOINT below
for notes and dimensions not shown.



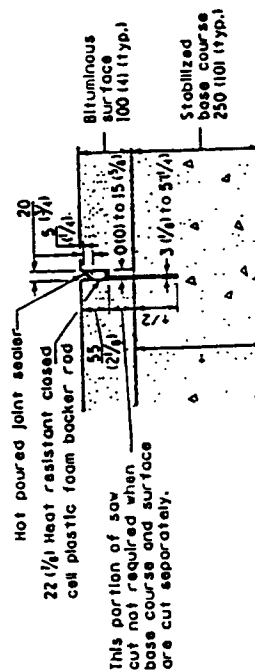
EXPANSION JOINT

(For pavements with equal thickness)

CONCRETE THICKNESS	DOWEL BAR DIAMETER
200 (8) or greater	38 (1 1/2)
175 (7) thru 189 (7.5)	32 (1 1/4)
Less than 175 (7)	25 (1)

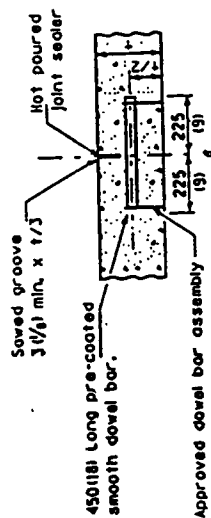


EXPANSION JOINT SEALING DETAIL



TRANSVERSE CONTRACTION JOINT

(For CM, CFA and LFA Base Course Mixtures)



SAWED CONTRACTION JOINT

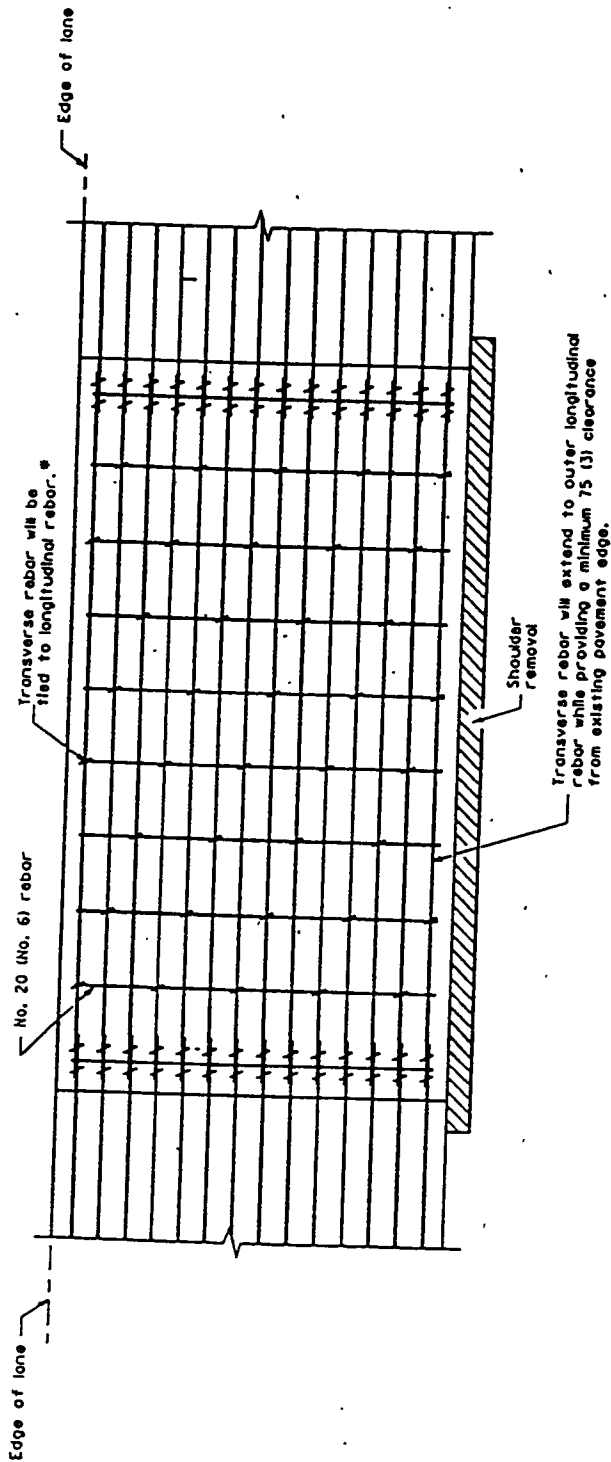
PAVEMENT JOINTS

(Sheet 2 of 2)

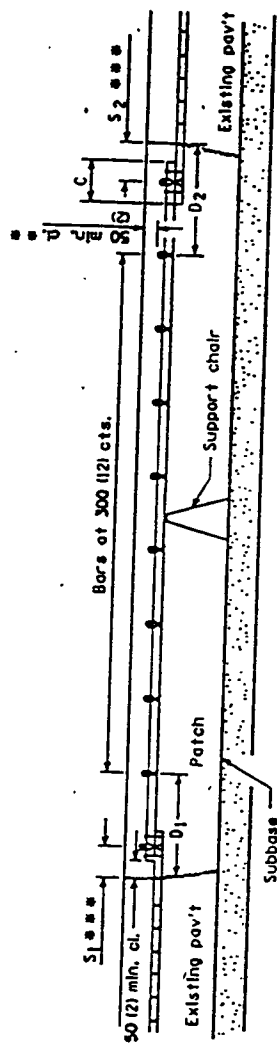
STANDARD 420001-01

ILLINOIS Department of Transportation	15-1-60 (2-7)
DESIGNED BY: [Signature]	1114
CHECKED BY: [Signature]	1114
APPROVED BY: [Signature]	1114
PROJECT NO. 1114	





PAVEMENT REINFORCEMENT DETAIL



PATCHING DETAIL

- * Every 3rd intersection must be tied.
- ** When the minimum clearance cannot be obtained with the transverse bar on top than the transverse rebar shall be tied to the bottom of the longitudinal rebar.
- *** Variables: Where S1 and S2 are 65 (2 1/2) min. and 300 (12) max. D1 = 2(S1) and D2 = 2(S2).

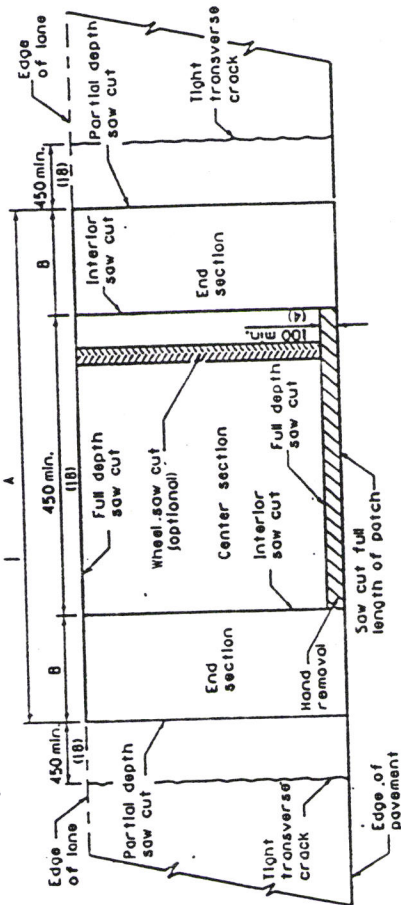
All dimensions are in millimeters (inches) unless otherwise shown.

CLASS A PATCHES

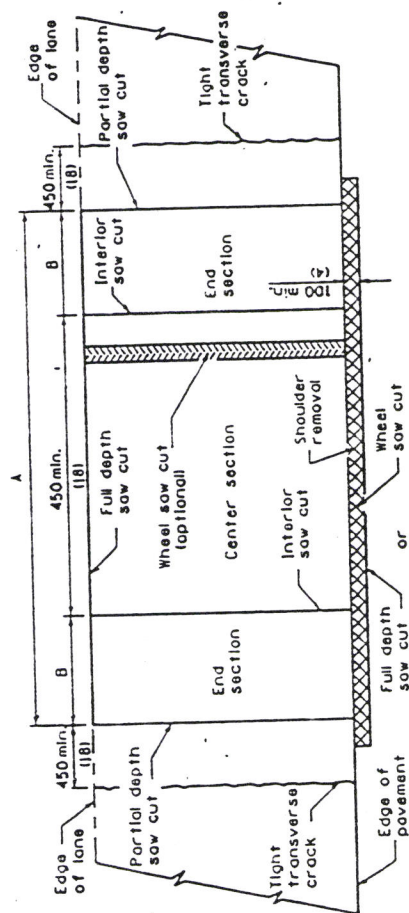
(Sheet 2 of 2)

STANDARD 442001-01

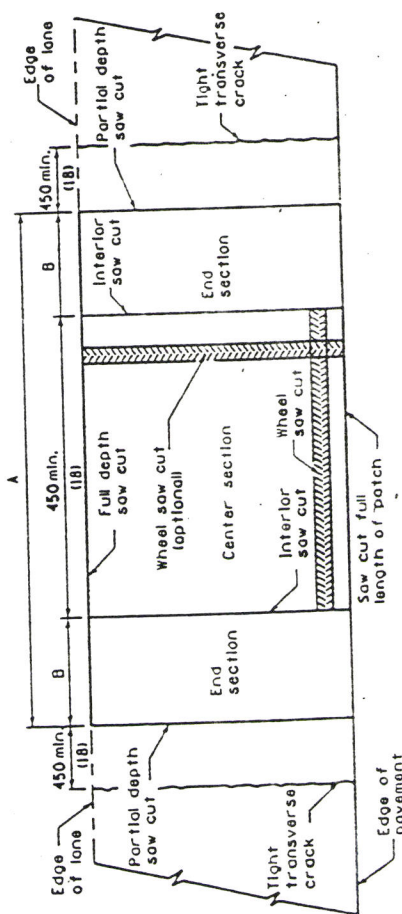
Iowa Department of Transportation	
DESIGNED BY	APPROVED BY
CHECKED BY	DATE
PROJECT NO. 1-1-97	



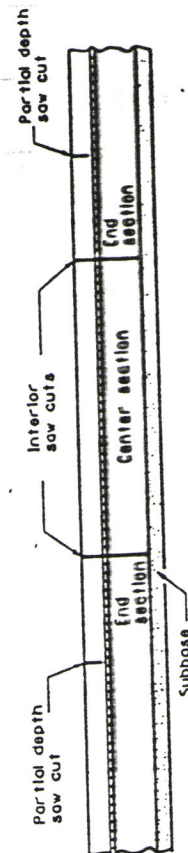
PAVEMENT SAWING DETAIL
(PCC SHOULDER)



PAVEMENT SAWING DETAIL
(BITUMINOUS SHOULDER)



ALTERNATE SAWING DETAIL
(PCC SHOULDER)



SAW CUT DETAIL

EXISTING REINFORCEMENT BARS	A (min.)	B (min.)	C (min.)
No. 15 (No. 5)	1.4 m (4'-6")	450 (18)	400 (16)
No. 20 (No. 6)	1.5 m (5'-0")	525 (21)	475 (19)
No. 25 (No. 7)	1.7 m (5'-6")	600 (24)	550 (22)
Fabric	1.5 m (5'-0")	525 (21)	450 (18)

GENERAL NOTES

When patching two adjacent lanes in one operation, the longitudinal joint shall be a sawed longitudinal joint as detailed on Standard 420001 however, the groove shall be either preformed or sawed. The bars shall only be included for patches 6.0 m (20') or longer.

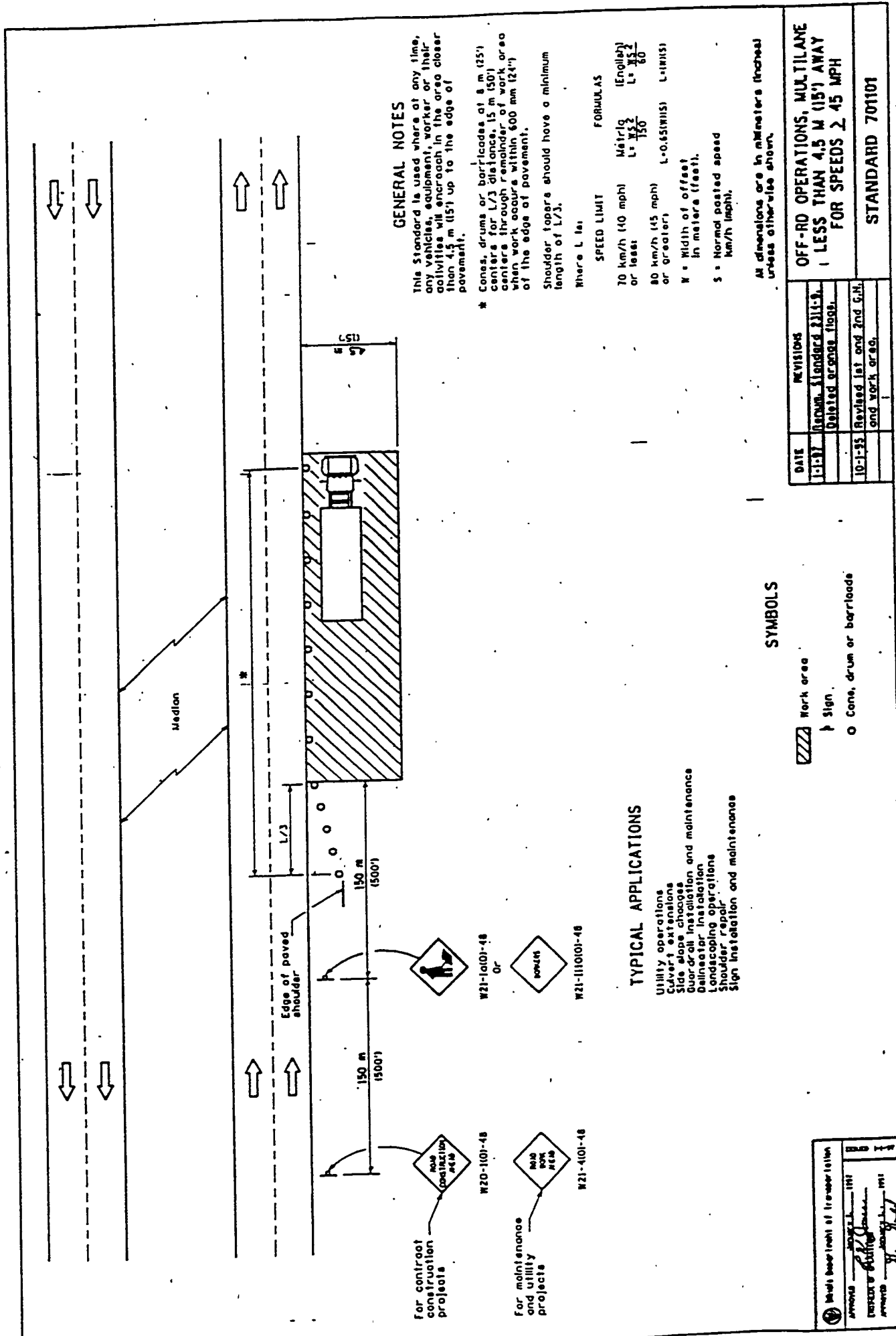
All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS
1-1-98	Added PCC shoulder sawing details.
1-1-97	Renum. Standard 2425-6.
	Rev. bar sizes.
	Rev. metric dim.

CLASS A PATCHES

Sheet 1 of 2

STANDARD 442001-01



GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, worker or their activities will encroach in the area closer than 4.5 m (15') up to the edge of pavement.

* Cones, drums or barricades at 8 m (25') centers for L/3 distance, 15 m (50') centers through remainder of work area when work occurs within 600 mm (24") of the edge of pavement.

Shoulder topers should have a minimum length of L/3.

Where L is:

FORMULAS

SPEED LIMIT

70 km/h (40 mph) or less: $L = \frac{WS^2}{150}$ (meters)

80 km/h (45 mph) or greater: $L = 0.65(WIS)$ (meters)

W = width of offset in meters (feet).

S = Normal posted speed km/h (mph).

All dimensions are in millimeters (inches) unless otherwise shown.

OFF-ROAD OPERATIONS, MULTILANE
LESS THAN 4.5 M (15') AWAY
FOR SPEEDS ≥ 45 MPH

STANDARD 70101

SYMBOLS

Work area
Sign
Cone, drum or barricade

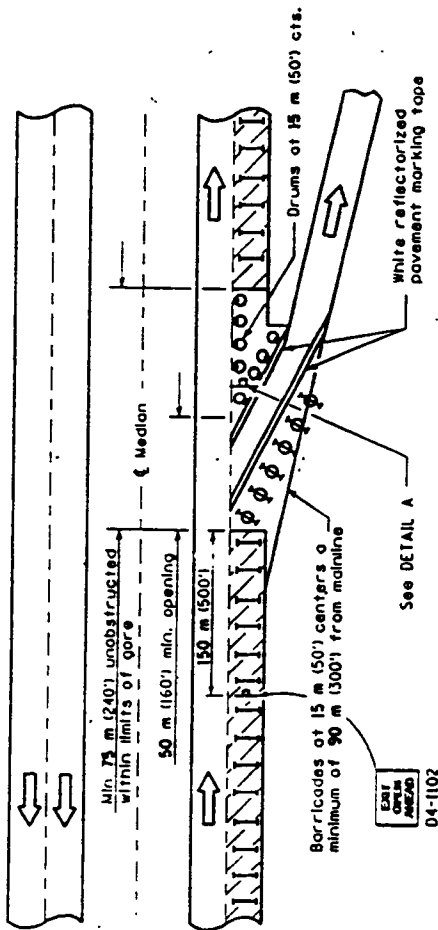
TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

For contract construction projects: W20-1101-48

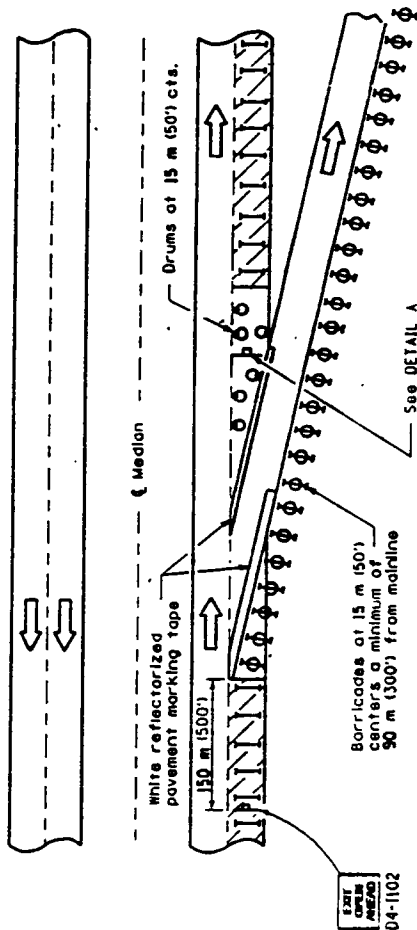
For maintenance and utility projects: W21-1101-48

Issue Description of Transmittal	
APPROVED	DATE
FORWARDED BY	DATE
FORWARDED BY	DATE
FORWARDED BY	



APPLICATION NO. 3

Application No. 3 depicts a modified exit ramp. The channelizing devices shall provide a clearly defined path for the exiting motorists. The minimum dimensions shown shall be increased as soon as the progress of the work will permit. The open portion of the ramp may be shifted, with the approval of the Engineer, to perform work in stages on the area adjacent to the ramp exit. Application No. 4 shall be put into effect as soon as possible.



APPLICATION NO. 4

Application No. 4 depicts an extension of the normal exit ramp. This method shall be used whenever existing geometrics can be retained. Consideration should be given to the exiting motorist's line of sight through, between or over the delineation devices.

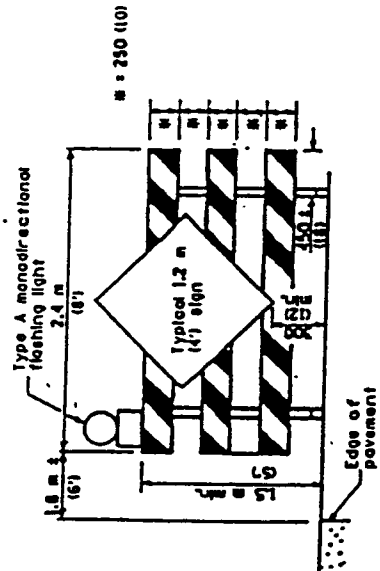
All dimensions are in millimeters (inches) unless otherwise shown.

**LANE CLOSURE MULTILANE
AT ENTRANCE OR EXIT RAMP
FOR SPEEDS $\geq$ 45 MPH**

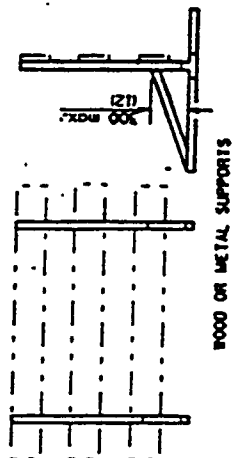
(Sheet 2 of 2)

STANDARD 701411-01

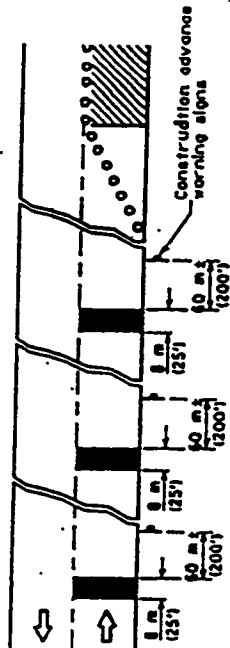
Illinois Department of Transportation	
DESIGNED	1999
REVIEWED	1999
APPROVED	1999
PROJECT: <i>State Route 150</i>	



Frames shall be no heavier than 100x100 (x4x1mm, dim.) wood or 50x50x3 (2x2x1/2) steel tubing or 50x50x3 (2x2x1/2) steel angles

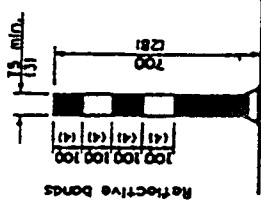


WING BARRICADES



One or two piece base

FLEXIBLE DELINEATORS

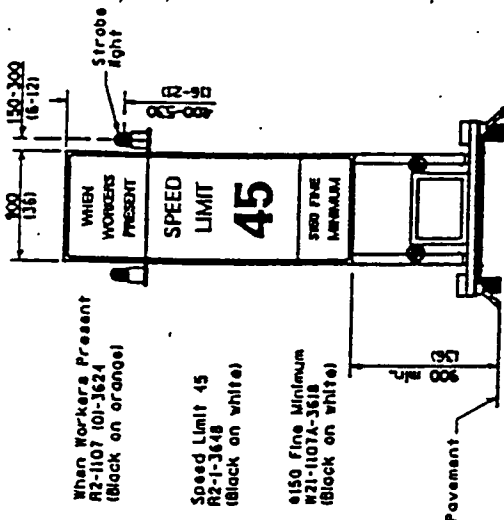


All dimensions are in millimeters (inches) unless otherwise shown

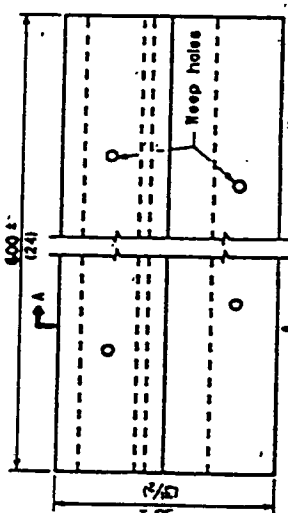
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 702001

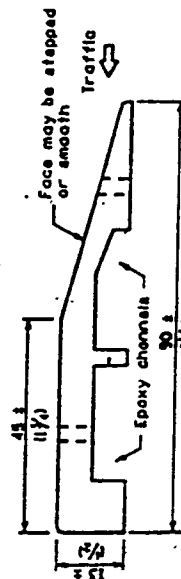


CONSTRUCTION SPEED LIMIT SIGN



Traffic

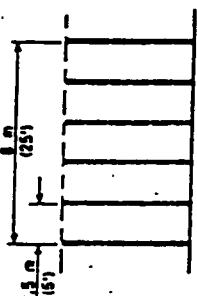
PLAN



SECTION A-A

TEMPORARY RUMBLE STRIPS

TYPICAL INSTALLATION



APPROVED	DATE	BY
DESIGNED	DATE	BY
CHECKED	DATE	BY
PROJECT	DATE	BY
PREPARED	DATE	BY

ROAD
CONSTRUCTION
NEXT X MILES

END
CONSTRUCTION

G20-1101-6036

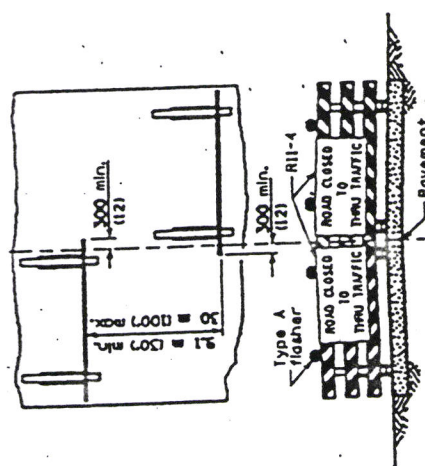
G20-2101-6024

This signing is required for all projects over 3200 m (12 miles) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 150 m (500') in advance of project.

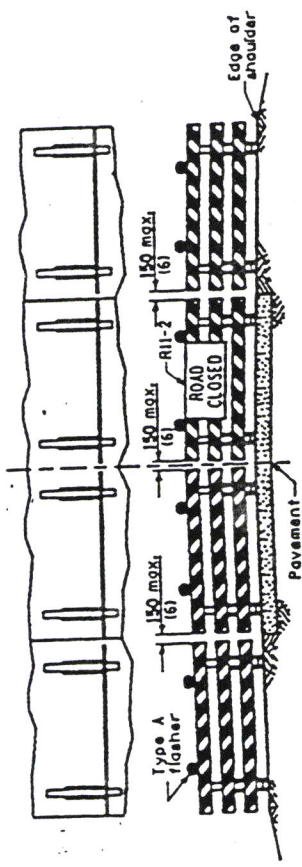
END CONSTRUCTION sign shall be erected at the of the job unless another job is within 3200 m (12 miles).

WORK LIMIT SIGNING



ROAD CLOSED TO ALL THRU TRAFFIC

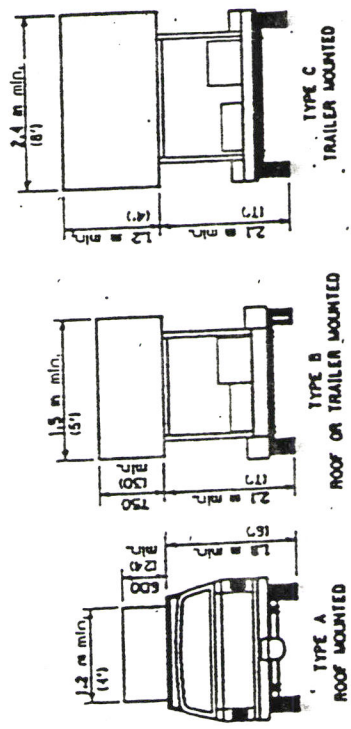
ReflectORIZED striping shall appear on both sides of the barricades. The barricades shall be to the edge of the pavement except when otherwise directed by the Engineer or shown on the detailed construction plans.



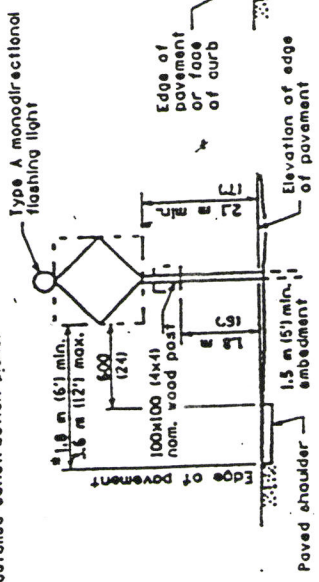
ROAD CLOSED TO ALL TRAFFIC

ReflectORIZED striping may be omitted on the back side of the barricades. The barricades shall be to the edge of the shoulder's except when otherwise directed by the Engineer or shown on the detailed construction plans.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD



ARROW BOARDS



TYPICAL SIGN INSTALLATIONS

GENERAL NOTES

- * When curb or paved shoulder are present this dimension shall be 600 mm (24") to the face of curb or 1.8 m (6') to the outside edge of the paved shoulder.
- * All heights shown shall be measured above the pavement surface.
- * All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS
1-1-97	Revised Standard 238-12.
	Revised construction speed limit sign.
10-1-95	Rev. height above pav't for TYPE B arrow board.

TRAFFIC CONTROL DEVICES

STANDARD 702001

State Department of Transportation

APPROVED: _____ DATE: _____

DESIGNED BY: _____

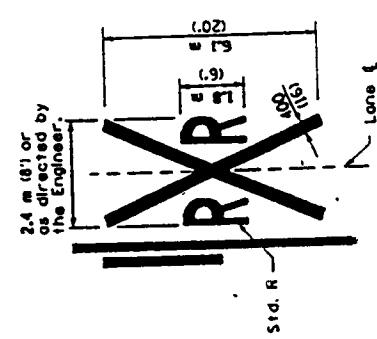
PROJECT NO.: _____

SCALE: _____



the transverse spread of the "x" may vary according to lane width. In multi-lane roads, the stop lines shall extend across all approach lanes and separate ARR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 11-1, condition B of the MUTCD.



PAVEMENT MARKINGS AT
RAILROAD-HIGHWAY GRADE CROSSING

ALL dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL PAVEMENT MARKINGS		(Sheet 1 of 2)
DATE	REVISIONS	
1-1-58	Rev. dimen. & added 3rd note to pav't markings.	
	to RRI-Hwy grade 2396.-1.	
1-1-97	Revised metric values.	
STANDARD 7'		1-01

Labels Department of Transportation

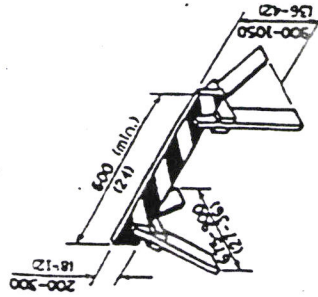
ISSUED 1-1-97

APPROVED - JUNE 1, 1999

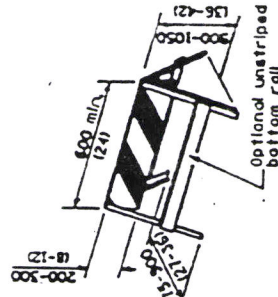
CHIEF OF DIVISION

APPROVED - JUNE 1, 1999

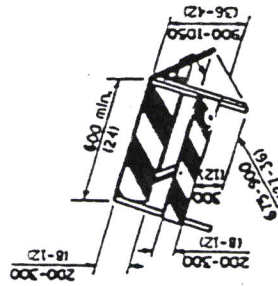
CHIEF OF DIVISION



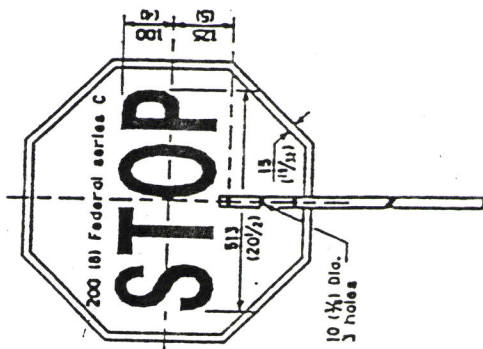
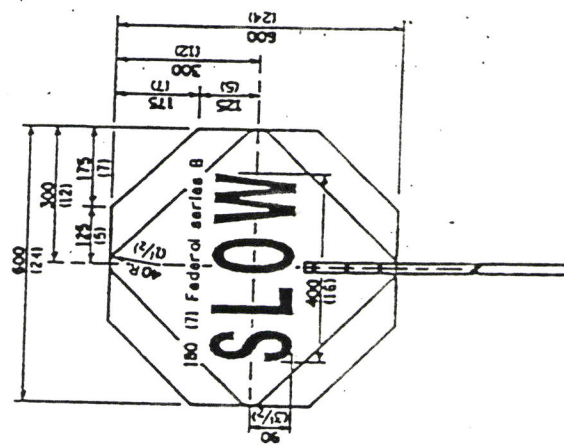
TYPE 1A BARRICADE



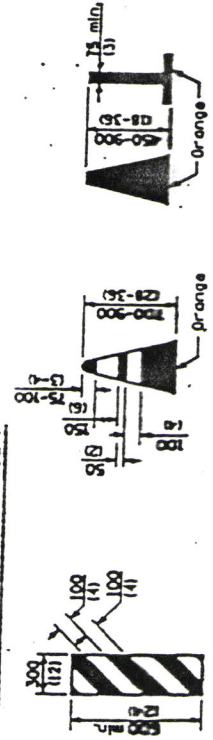
TYPE 1 BARRICADE



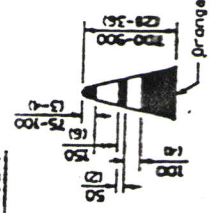
TYPE 2 BARRICADE



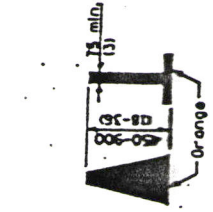
FLAGGER TRAFFIC CONTROL SIGN



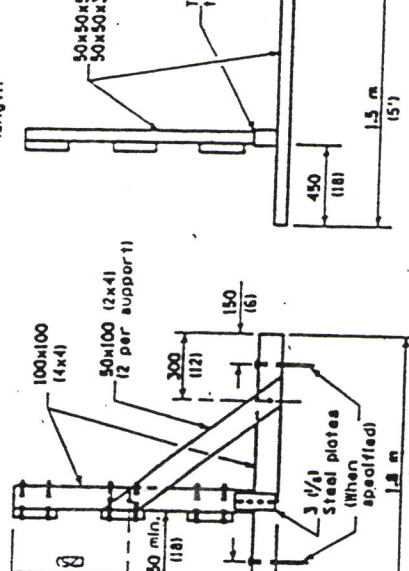
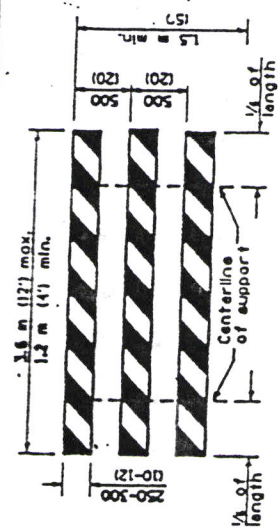
VERTICAL PANELS



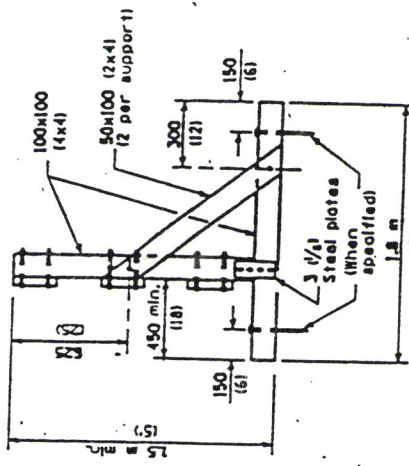
REFLECTORIZED CONES



CONES

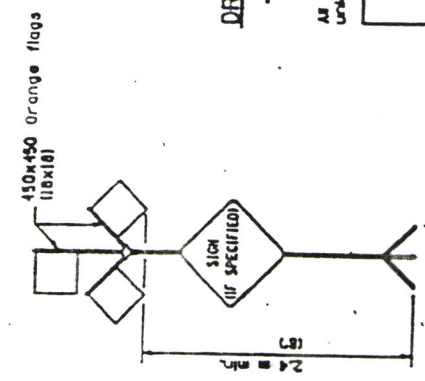


TYPICAL STEEL SUPPORT



TYPICAL WOOD SUPPORT

TYPE III BARRICADES



DRUMS AND SAND MODULE
IMPACT ATTENUATORS

All dimensions are in millimeters (inches)
unless otherwise shown

TRAFFIC CONTROL DEVICES

HIGH LEVEL WARNING DEVICE