CONTRACT NO. B-12106

DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	ID-FRI-74-1 (85)24	1978	1	35

BRIDGES OVER 20' SPAN

INDEX

PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION
ID-FRI-74-1 (85)24	I-74-24-4937A	TWIN CONT. R.C. SLAB	27',36',27'	FRK.OF E FRK.COAL CR	
	I-74-29-4941A	TWIN CONT. R.C. SLAB	21'-0,28'-0,21'-0	SPRING BRANCH CR.	
	I-74-30-4942A	TWIN R.C. GIRDER	3@ 36'-0	BLACK CREEK	
	I-74-31-4944A&JA	CONT. STEEL BEAM	31',2@43'-3,37'	STATE ROAD 43	

SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL
1	ONE SHEET	INDEX AND TITLE SHEET	
2	ONE SHEET	TRAFFIC MAINTENANCE DETAILS (4937A)	
3	ONE SHEET	TRAFFIC MAINTENANCE DETAILS (4941A)	
4	ONE SHEET	TRAFFIC MAINTENANCE DETAILS (4942A)	
5	ONE SHEET	TRAFFIC MAINTENANCE DETAILS (4944A & JA)	
6	ONE SHEET	TRAFFIC MAINTENANCE DETAILS (4944A & JA)	
7	D1	GENERAL PLAN (4937A)	
8	D2	GENERAL PLAN (4941A)	
9	D3	GENERAL PLAN (4942A)	
10	D4	GENERAL PLAN (4944A & JA)	
11	D5	DETAILS	
12	D6	SUPERSTRUCTURE REPAIRS (4942A)	
13	D7	SUPERSTRUCTURE REPAIRS (4944A & JA)	
14	D8	BARRIER RAILING TYPE "X" DETAILS (4944JA)	
15	D9	GUARD RAIL BRACKET DETAILS (4944JA)	
16	ONE SHEET	ESTIMATE OF QUANTITIES	

STATE OF INDIANA

INDIANA STATE HIGHWAY COMMISSION

BRIDGE PLANS

FOR SPANS OVER 20 FEET ON I-74

MONTGOMERY COUNTRY PROJECT ID-FRI-74-1(85)24 DECK RECONSTRUCTION AND OVERLAY

DECK RECONSTRUCTION AND OVERLAY ON INTERSTATE 74 OVER; FORK OF EAST FORK COAL CREEK IN SECTION 12, T.19N., R.6W; SPRING BRANCH CREEK IN SECTION 13, T.19N., R.5W.; BLACK CREEK IN SECTION 18, R.4W., T.19N.; STATE ROAD 43 & U.S. 231 IN SECTION 19 & 20, T.19N., R.4W.; ALL IN MONTGOMERY COUNTY, INDIANA.

INDEX CONTINUED
STANDARD DRAWINGS

SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL	INDIANA STANDARD DRAWING NO.
17	BRIDGE STD. BR1	ALUMINUM BRIDGE RAILING		R-12-1-72
18	BRIDGE STD. BR2	ALUMINUM BRIDGE RAILING DETAILS		R-12-1-72
	BRIDGE STD. BR3	STEEL BRIDGE RAILING		
	BRIDGE STD. BR4	STEEL BRIDGE RAILING DETAILS		
	BRIDGE STD. B26	RAILING CONNECTION DETAILS		
	BRIDGE STD. BR5	RAILING CONNECTION DETAILS		
19	BRIDGE STD. C1	MISCELLANEOUS DETAILS	6-13-77	6-1-77
	BRIDGE STD. C2	SIDEWALK DETAILS		
20	BRIDGE STD. C3	MISCELLANEOUS DETAILS		R11-15-76
	BRIDGE STD. C5	MISCELLANEOUS DETAILS		
	BRIDGE STD. D	CASTING DETAILS ROADWAY DRAINS		
	BRIDGE STD.			
	BRIDGE STD.			
	BRIDGE STD. P1	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. P2	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. P3C	PRESTRESSED BOX BEAM		
	BRIDGE STD. P3	PRESTRESSED COMPOSITE BOX BEAMS WIDE		
	BRIDGE STD. P4	PRESTRESSED COMPOSITE BOX BEAMS WIDE		
	BRIDGE STD. P810	TOLERANCES FOR FABRICATION OF PRESTRESSED BEAMS		
	BRIDGE STD. P811	ELASTOMERIC BEARING PAD DETAILS		
	BRIDGE STD.			
	BRIDGE STD.			
	BRIDGE STD. B2A	BRIDGE LIMITER DETAILS		
	BRIDGE STD. S29			
	BRIDGE STD. S1	MISCELLANEOUS DETAILS		
	BRIDGE STD. SW1	STEEL SHOE DETAILS		
	BRIDGE STD. T SHEET 1	STANDARD TEMPORARY BRIDGE		
	BRIDGE STD. T SHEET 8	STANDARD TEMPORARY BRIDGE		
	CULVERT STD.			
	BRIDGE STD.			
	CULVERT STD.			
	BRIDGE STD.			
21	ROAD STD. SHEET A	STANDARD PAVEMENT JOINTS	11-29-76	R 7-1-76
	ROAD STD. SHEET B	STANDARD PAVEMENT JOINTS		
22	ROAD STD. SHEET MA	MISCELLANEOUS STANDARDS	9-22-71	R-1-2-71
	ROAD STD. SHEET MA	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MB2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC1	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS		
23	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS	6-9-71	R3-1-71
	ROAD STD. SHEET MF	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MM	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MQ	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MR	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET			
	ROAD STD.	STANDARD REINF. CONCRETE BOX CULVERTS		
	ROAD STD.	STANDARD REINF. CONCRETE CULVERTS		
	ROAD STD. SHEET GB	GUARD RAIL CLASS		
	ROAD STD. SHEET GB	GUARD RAIL CLASS		
24	ROAD STD. SHEET GBA	GUARD RAIL CLASS GA		R 2-1-76
25	ROAD STD. SHEET GC	ALUMINUM GUARD RAIL DETAILS	12-6-76	R-12-1-76
	ROAD STD. SHEET GD	STEEL TUBE GUARD RAIL DETAILS		
26	ROAD STD. SHEET GA	GUARD RAIL CLASS GA		R 2-1-76
27	ROAD STD. SHEET GD/A	GUARD RAIL END TREATMENT	1-4-78	R12-1-76
28	ROAD STD. SHEET GE	TEMPORARY CONCRETE BARRIER	9-1-77	R 2-1-77
29	ROAD STD. SHEET 9	APPROACH SLAB DETAILS		R-2-1-77
	ROAD STD.	SUPERELEVATION		
30	ROAD STD. SHEET 1 OF 2	STANDARD METRIC SIGNS	6-26-78	R 5-1-76
	ROAD STD. SHEET 1A OF 2	STANDARD METRIC SIGNS		
	ROAD STD. SHEET 2 OF 2	STANDARD METRIC SIGNS		
31	ROAD STD. SHEET 3A OF 2	STANDARD METRIC SIGNS	5-18-77	R 4-1-77
32	ROAD STD. SHEET 3 B OF 2	STANDARD METRIC SIGNS	5-18-77	R 4-1-77
33	ROAD STD. SHEET 3A OF 2	STANDARD METRIC SIGNS	5-18-77	R 4-1-77
34	ROAD STD. SHEET 3 B OF 2	STANDARD METRIC SIGNS	5-18-77	R 4-1-77
	ROAD STD. SHEET	STANDARD METRIC SIGNS		
35	ROAD STD. SHEET 5A METRIC	STANDARD METRIC SIGNS	11-29-76	R 3-1-76

TRAFFIC DATA			
A.D.T. (19)		6,300	V.P.D.
A.D.T. (19 PROJECTED)			V.P.D.
D.H.V. (19 PROJECTED)			V.P.D.
TRUCKS		D.H.V. %	A.D.T. %
DESIGN SPEED			M.P.H.
ACCESS CONTROL			

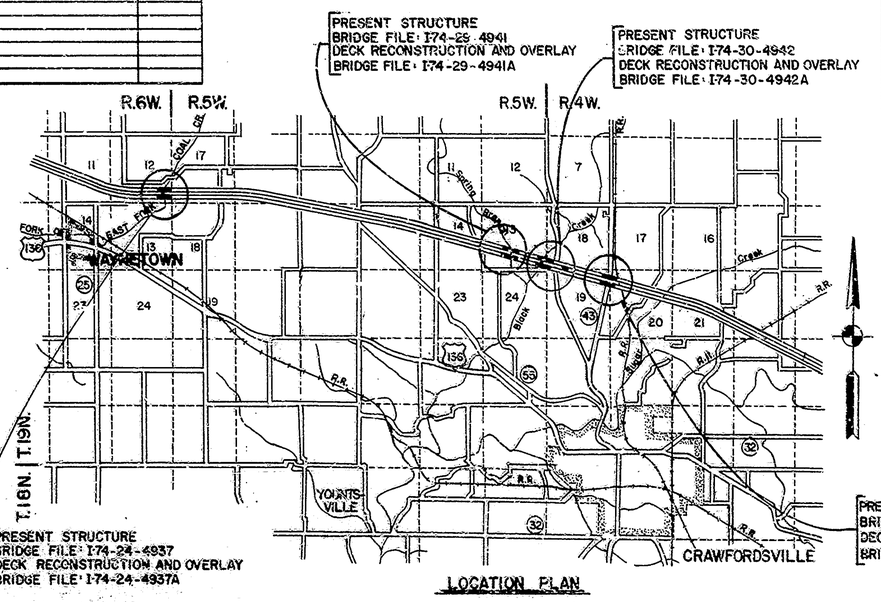
PLANS PREPARED BY:

MONICAL ASSOCIATES INC.
CONSULTING ENGINEERS
INDIANAPOLIS, INDIANA

CERTIFIED: Ralph A. Mallinckrodt

DATE: Feb. 14, 1979

NOTE:-
WHENEVER I-IF-74-1(85)24 APPEARS IN THESE PLANS OR CONTRACT DOCUMENTS IT SHALL BE INTERPRETED AS ID-FRI-74-1(85)24.



LOCATION PLAN

APPROVED: 4-12-79

G. K. Hallock
CHIEF HIGHWAY ENGINEER-DIRECTOR, INDIANA STATE HIGHWAY COMMISSION

REVISIONS	
DATE	SHEET NO.

REVISIONS	
DATE	SHEET NO.

INDIANA STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS DATED 1978 TO BE USED WITH THESE PLANS.

RECOMMENDED FOR APPROVAL: 4-11-79

E. M. Walters
DIRECTOR OF BRIDGE DESIGN, INDIANA STATE HIGHWAY COMMISSION

E. M. WALTERS — PROFESSIONAL ENGINEER

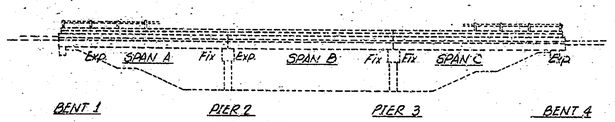
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

APPROVED:

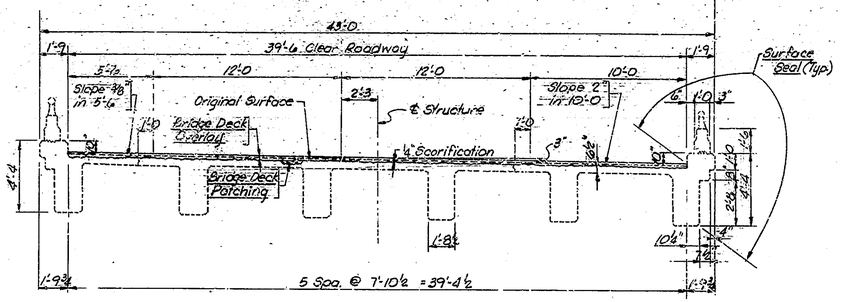
DIVISION ADMINISTRATOR — DATE

BRIDGE FILE: I-74-24-4937A I-74-30-4942A I-74-29-4941A I-74-31-4944A & JA

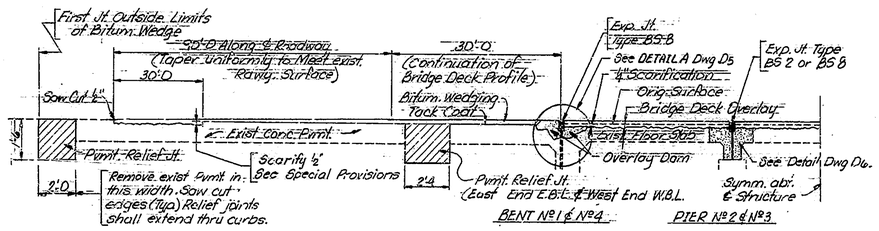
STRUCTURE BUILT TO A 800' V.C.

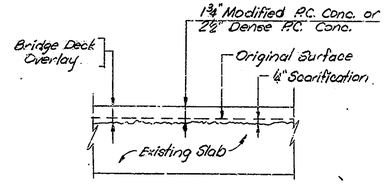


ELEVATION
Scale: 1/16" = 1'-0

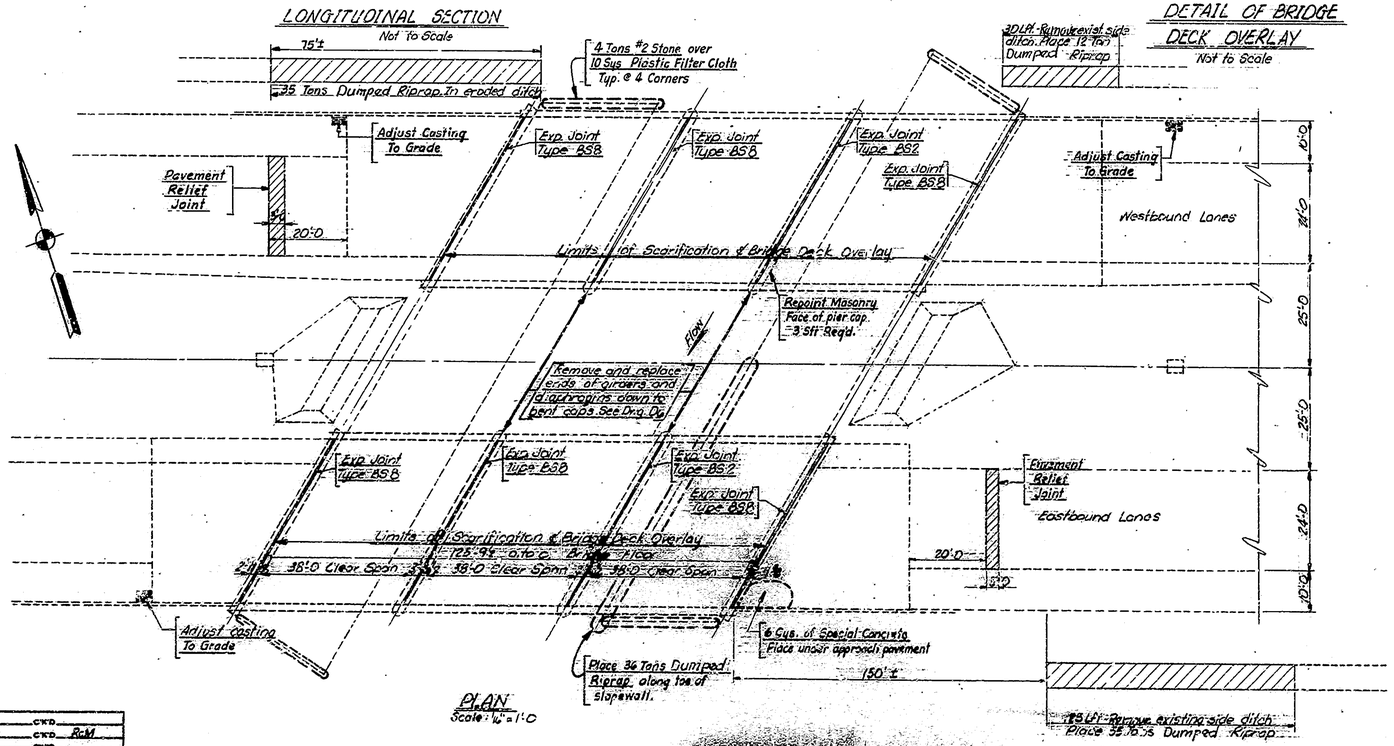


SECTION A-A
Scale: ½" = 1'-0





LONGITUDINAL SECTION
Not to Scale



PLAN
Scale: 1" = 1'-0

DESIGNED ____ CK'D ____
DRAWN LDS CK'D RcM
TRACED ____ CK'D ____

DETAIL OF BRIDGE DECK OVERLAY
Not to Scale

NOTE: Dumped Riprap to be obtained from structure, pavement, and paved side ditch removals.

NOTE:
For General Notes, Material Notes, and Standard Drawings See Dwg. D1.

UTILITIES
None

DECK RECONSTRUCTION AND OVERLAY
GENERAL PLAN
TWIN REINFORCED CONCRETE GIRDER BRIDGES
3 SPANS @ 38'-0 SKEW 32° Rt 6" CURBS 39'-6 ROADWAY
OVER BLACK CREEK ON INTERSTATE 74

INDIANA STATE HIGHWAY COMMISSION

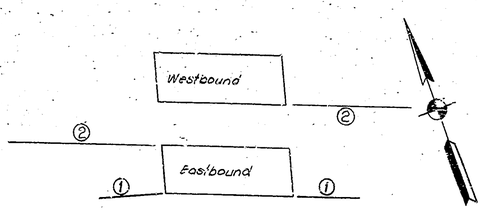
MONTGOMERY COUNTY

SCALE:- As Noted DATE:- February 14, 1979

SUBMITTED FOR APPROVAL:- Ralph E. Mullinax

DRAWING:- D3 OF 9 SHEET:- 9 OF 35
PROJECT:- I-FI-74-1(85)24
CONTRACT NO. B-12106
BRIDGE FILE:- 274-30-4942A

RALPH E. MULLINAX REGISTERED No. 7942 PROFESSIONAL ENGINEER

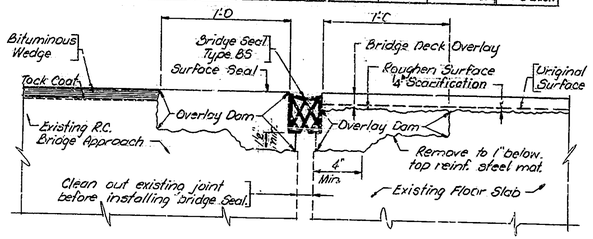


GUARD RAIL ADDITIONS

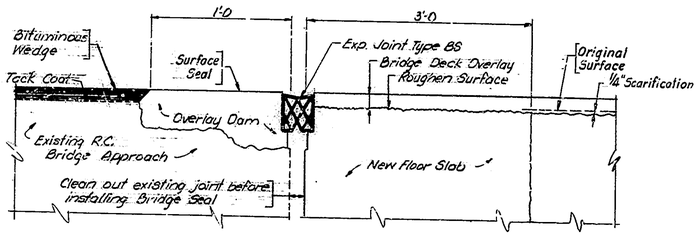
① Remove 100 Lft. of guard rail Class Ds. Install 100 Lft. Guard Rail Class GA. Connect to barrier railing on structure and to existing guard rail. — 4944JA only

② Remove 317.5 Lft of guard rail (buried end). Reset 137.5 Lft of guard rail Class Ds. Install 212.5 Lft of guard rail Class Ds + Guard Rail End Treatment — 4937A, 4941A, 4942A, 4944A & JA

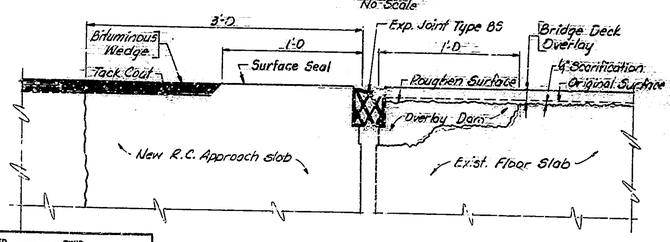
GUARD RAIL SUMMARY	Item	4937A	4941A	4942A	4944A & JA	Total
	Guard Rail Class Ds	425 Lft.	425 Lft.	425 Lft.	625 Lft.	1900 Lft.
	Reset Guard Rail	275 Lft.	275 Lft.	275 Lft.	275 Lft.	1100 Lft
	Removal Of Guard Rail	75 Lft.	75 Lft.	75 Lft.	275 Lft.	500 Lft.
	Guard Rail End Treatment	2 Ea.	2 Ea.	2 Ea.	2 Ea.	8 Each



DETAIL "A"
No Scale



DETAIL B
No Scale



DETAIL C
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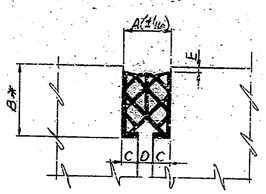
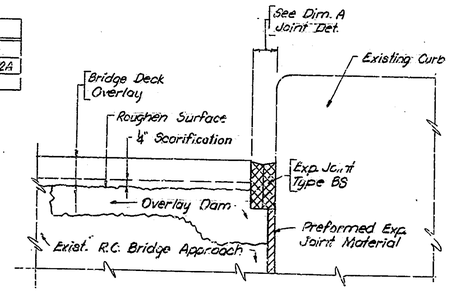


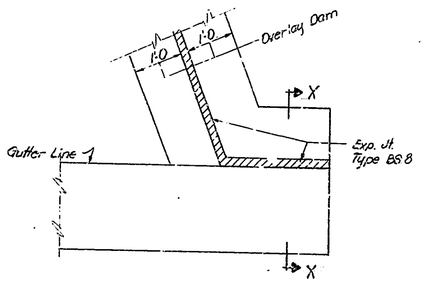
* To be determined in the field See the Special Provisions.

Br. Seal	A	B	C	D	E	
BS 2	1"	*	½"	0	½"	4942A
BS 5	2"	*	¾"	1¼" ±	½"	4937A, 41A, 42A
BS 11	3⅛"	*	½"	2⅛ ±	¾"	4944A & JA

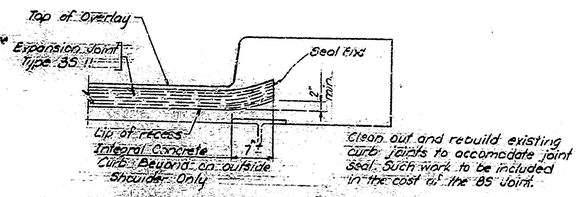
DETAIL OF EXP. JOINT TYPE BS



SECTION X-X
No Scale



PLAN - BS JOINT AT CURB (4937A, 4941A, & 4942A)
No Scale



Clean out and rebuild existing curb joints to accomodate joint seal. Such work to be included in the cost of the BS Joint.

DETAIL - BS JOINT AT CURB (I-74-31-4944A & JA)
No Scale

CONSTRUCTION PROCEDURE

1. Install traffic control devices to divert traffic for Phase I construction as shown on Sheets No. 2,3,4, & 5.
2. Remove and replace girder ends and diaphragms over Piers 2 & 3, - 4942A only.
3. Scarify the entire remaining bridge floor to a depth of ¼ inch. Scarify additional areas of the bridge floor an additional ¼ inch as directed by the Engineer. Remove scarified dust.
4. Remove all deteriorated concrete below the level of scarification and remove concrete around reinforcing along curbs inaccessible to scarifying equipment and as required for installation of expansion joints by hand chipping and cleaning in accordance with Special Provisions.
5. Blast and clean all removal and scarified areas.
6. Construct overlay dams as shown on the details.
7. Place Bridge Deck Patches and Bridge Deck Overlay as shown on the Plans and in accordance with the Special Provisions.
8. Clean and seal the roadway face and tops of curbs, top and both faces of parapet walls, bridge copings, and top of overlay dams on approaches, face of Girders (4942A) and all faces of Barrier & Railing Brackets (4944JA).
9. Construct pavement relief joint, bituminous wedges and all other work shown on the plans including the installation of guard rail where required.
10. Reset traffic control devices to divert traffic to completed lane and Repeat necessary steps 2 thru 10.
11. When all above work is completed open structures to traffic.

NOTE:
The numbers for the Construction Procedure do not necessarily indicate the sequence of operations. Pneumatic hammers 30 lbs maximum weight to be used for removals.

DESIGNED ____ C'K'D ____
DRAWN LAS C'K'D RdM
TRACED ____ C'K'D ____

DETAILS

INDIANA STATE HIGHWAY COMMISSION

SCALE:- As Noted DATE:- February 14, 1979

SUBMITTED FOR APPROVAL: Ralph C. Mullinix

DRAWING:- D5 OF 9 SHEET:- 11 OF 35

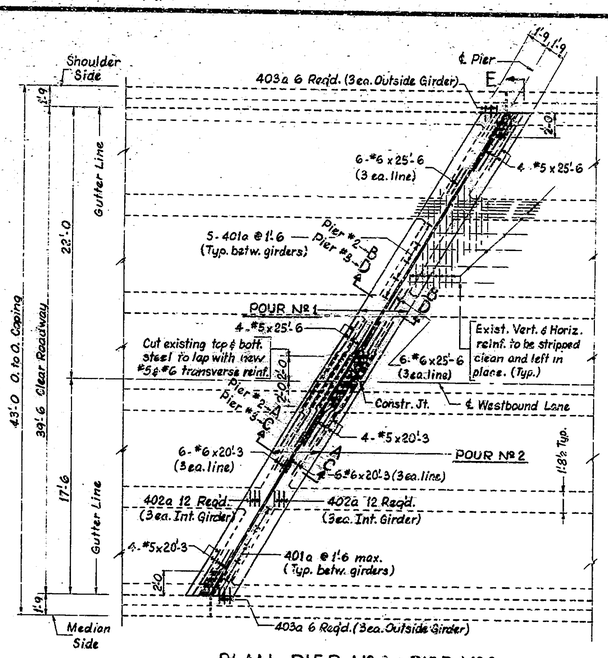
PROJECT:- I-FI-74-1(85)24

CONTRACT NO. B-12116

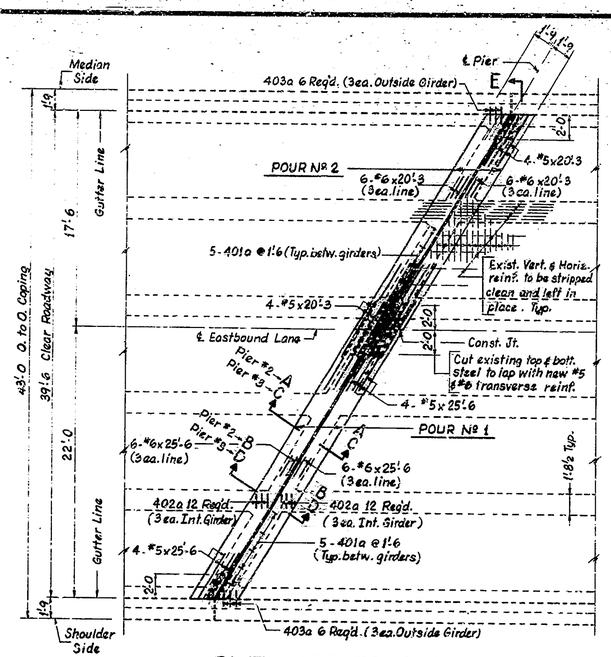
BRIDGE FILE:- I-74-24-4937A I-74-30-4942A I-74-29-4941A I-74-31-4944A & JA

RALPH C. MULLINIX REGISTERED 7942 PROFESSIONAL ENGINEER

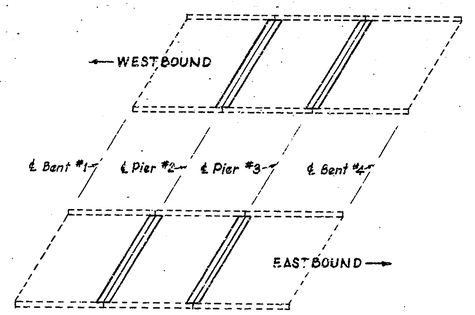
TP103



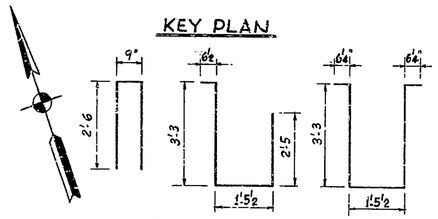
PLAN - PIER No 2 & PIER No 3
WESTBOUND STRUCTURE
Scale: 3/16" = 1'-0



PLAN - PIER No 2 & PIER No 3
EASTBOUND STRUCTURE
Scale: 3/16" = 1'-0



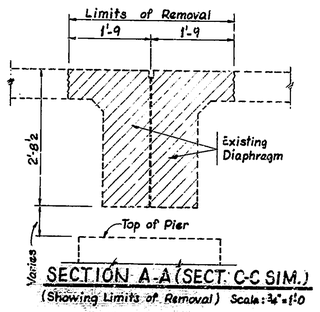
KEY PLAN



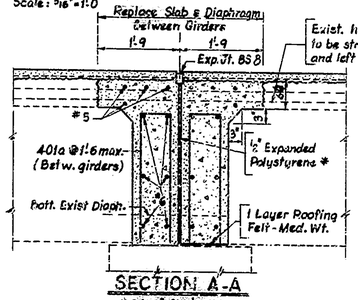
401a x 5'-9 403a x 7'-8 402a x 9'-0

BILL OF MATERIALS
PIER No 2 EASTBOUND
(PIER No 3 EB. AND PIERS No 2 AND No 3 WB. SAME)

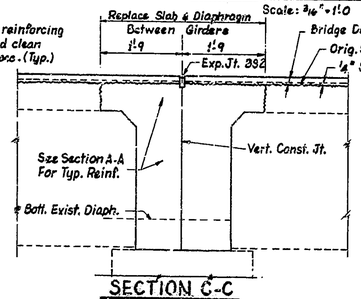
REINFORCING STEEL			
Size or Mark	No of Bars	Length	Weight (Lbs.)
#6	12	25'-6	
#6	12	20'-3	
		Total #6	825
#5	8	25'-6	
#5	8	20'-3	
		Total #5	382
401a	50	5'-9	
402a	24	9'-0	
403a	12	7'-8	
		Total #4	398
Total Reinforcing			1905
CONCRETE			
Class A in Superstructure Pour No 1 88 cys. Pour No 2 72 cys.			
Total Class A			160 cys.



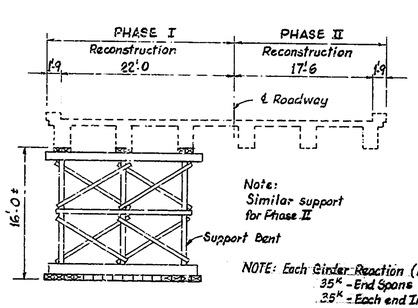
SECTION A-A (SECT. C-C SIM.)
(Showing Limits of Removal) Scale: 3/4" = 1'-0



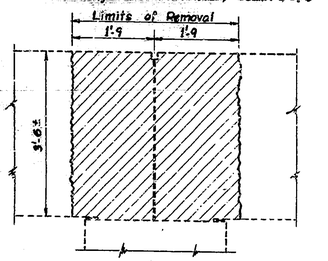
SECTION A-A
Scale: 3/4" = 1'-0



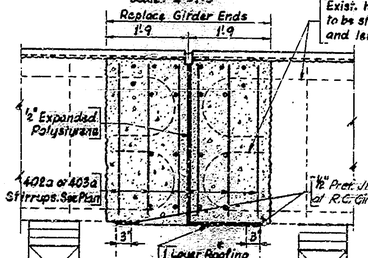
SECTION C-C
Scale: 3/4" = 1'-0



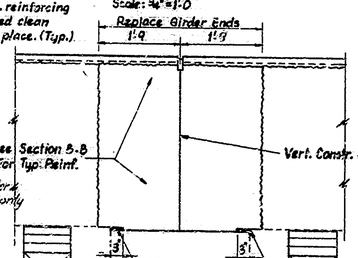
NOTE: Each Girder Reaction (D.L. only)
35K - End Spans
35K = Each end Int. Span



SECTION B-B (SECT. D-D SIM.)
(Showing Limits of Removal) Scale: 3/4" = 1'-0



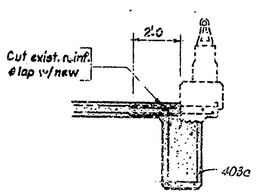
SECTION B-B
Scale: 3/4" = 1'-0



SECTION D-D
Scale: 3/4" = 1'-0

* Cost of the Expanded Polystyrene, roofing felt and joint filler to be included in the cost of other items.

SUGGESTED METHOD OF SUPPORTING GIRDERS
Scale: 1/8" = 1'-0



DETAIL E
Scale: 3/8" = 1'-0

NOTE:
See Bridge Std. C1 for reinforcing bar notes. Where new concrete adjoins existing concrete, all existing reinforcing steel shall extend into the new concrete as shown. These bars shall be stripped of all old concrete, straightened, and lapped with new steel. Saw cut along top of deck removal lines ± 1".

SUPERSTRUCTURE REPAIRS

INDIANA STATE HIGHWAY COMMISSION

SCALE:- As Noted DATE:- February 14, 1979
SUBMITTED FOR APPROVAL:- Ralph C. Mullin
DRAWING:- 06 OF 9 SHEET:- 12 OF 35
PROJECT:- I-FT-74-1(85)24
CONTRACT NO. B-12106
BRIDGE FILE:- I-74-30-2942A

RALPH C. MULLIN REGISTERED 7942 PROFESSIONAL ENGINEER

DESIGNED — CK'D —
DRAWN B.G.E. CK'D RCM
TRACED — CK'D —

TP101

ESTIMATE OF QUANTITIES

CODE Nº.	DESCRIPTION	UNIT	PROJECT Nº. I-FI-74-1(85)24 I-74-24-4937A FUNDING 90/10 75/25	QUAN.	I-74-29-4941A FUNDING 90/10 75/25	QUAN.	I-74-30-4942A FUNDING 90/10 75/25	QUAN.	I-74-31-4944A & JA FUNDING 90/10 75/25	QUAN.	TOTAL
51001	CONCRETE, CLASS A IN SUPERSTRUCTURE	CYS.					✓	64	✓	9.3	73.3
51005	CONCRETE, CLASS A IN SUBSTRUCTURE	CYS.									
51030	REINFORCING STEEL	LBS.	✓	4271				7620		2460	16531
51136	REMOVAL OF PRESENT RAILING	LFT.							✓	147.5	147.5
51137	BARRIER RAILING TYPE X	LFT.							✓	155	155
	SUPPORTING GIRDERS (4942A)	LSUM					✓	1			1
51881	EXPANSION JOINT, TYPE BS2	LFT.					✓	96			96
51887	EXPANSION JOINT, TYPE BS8	LFT.	✓	168	✓	172	✓	286			626
51888	EXPANSION JOINT, TYPE BS11	LFT.							✓	192	192
51889	REMOVAL OF PRES. STRUCTURE (PORTIONS)(4942A)	LSUM					✓	1			1
51890	REMOVAL OF PRES. STRUCTURE (PORTIONS)(4944A & JA)	LSUM							✓	1	1
	REMOVAL OF INTEGRAL CONCRETE CURB	LFT.							✓	110	110
	INTEGRAL CONCRETE CURB TYPE C	LFT.	✓	89					✓	110	199
51896	SURFACE SEAL	SFT.	✓	4702	✓	3932	✓	3998	✓	5320	17952
51899	CONCRETE SCARIFYING	SYS.	✓	1450	✓	1270	✓	1652	✓	2630	7002 ⑦
	ADDITIONAL CONCRETE SCARIFYING	SYS.	✓	180	✓	126	✓	202	✓	276	784
51935	FINISHING AND CURING	SYS.	✓	804	✓	630	✓	1104	✓	1530	4068
	BRIDGE DECK OVERLAY	SYS.	✓	804	✓	630	✓	1104	✓	1530	4068
	OVERLAY DAMS	SFT.	✓	336	✓	320	✓	576	✓	176	1208
	BLASTING AND CLEANING	SYS.	✓	804	✓	630	✓	1104	✓	1530	4068
	BRIDGE DECK PATCHING	SFT.	✓	362	✓	284	✓	456	✓	2646	3748
52303	REMOVAL OF PAVEMENT	SYS.	✓	298	✓	23	✓	23	✓	39	383
52306	CONCRETE PAVEMENT REINFORCED (10 INCH)	SYS.	✓	277							277
52505	TYPE O COMPACTED AGGREGATE FOR BASE (SIZE Nº. 53)	TON	✓	92							92
	SPECIAL CONCRETE	CYS						6			6 ⑥
	REMOVAL OF BITUMINOUS CURB	LFT.									
	REMOVAL OF BITUMINOUS SHOULDER	LFT.									
	BITUMINOUS BASE TYPE 5D	TON									
	BITUMINOUS MATERIAL FOR TACK COAT	SYS.	✓	1280	✓	1280	✓	1280	✓	2310	6140
52910	BITUMINOUS MIXTURE FOR APPROACHES	TON	✓	① 696	✓	② 685	✓	③ 696	✓	④ 682	2759
	BITUMINOUS CURB	LFT.									
52935	REMOVAL OF GUARD RAIL	LFT.	✓	75	✓	75	✓	75	✓	275	500
	GUARD RAIL TYPE G	LFT.								200	200
	GUARD RAIL TYPE D	LFT.	✓	425	✓	425	✓	425	✓	425	1700
	RESET GUARD RAIL	LFT.	✓	275	✓	275	✓	275	✓	275	1100
	GUARD RAIL END TREATMENT	EACH	✓	2	✓	2	✓	2	✓	2	8
52960	CONSTRUCTION SIGNS (TYPE A)	S.FOOT	✓	20	✓	15	✓	8	✓	17	60
52962	CONSTRUCTION SIGNS (TYPE B)	EACH	✓	8	✓	4	✓	2	✓	6	20
52965	STANDARD BARRICADES (TYPE III)	EACH							✓	1	1
	TEMPORARY TYP. ANCH. SIGN, TYPE W13-A	EACH							✓	2	2
	TEMPORARY STOP SIGN, TYPE R-1C	EACH							✓	2	2
52969	MAINTAINING TRAFFIC	LSUM	✓		✓		✓		✓		1
	CONSTRUCTION ENTRANCE TO DRIVE	EACH	✓	4	✓	2	✓	3			9
	REMOVAL OF EXISTING SIDE DITCH	LFT.				26		88			114 ⑥
	RECOUNTING MASONRY IN STRUCTURES	SFT.						3		7	10 ⑥
	RECONSTRUCTED SIDE DITCH (RMK 4)	LSUM									⑥
	"E" CONCRETE PAVE, GROUP A	LFT.								2	2 ⑥
	22 AGGREGATE (CLASS A, B OR C)	TON						15			15 ⑥
	PLASTIC FILTER CLOTH	SYS.						450			450 ⑥

① INCLUDES AT EACH STRUCTURE FOR APPROACH PAVEMENT:
640 TONS 4942A
640 TONS 4941A
640 TONS 4942A
1160 TONS 4944A & JA

① INCLUDES 50 TONS FOR WEDGING, 23 TONS FOR PAVEMENT RELIEF JOINTS, AND 347 TONS FOR WIDENING.

② INCLUDES 38 TONS FOR WEDGING, 8 TONS FOR PAVEMENT RELIEF JOINTS, AND 32 TONS FOR WIDENING.

③ INCLUDES 105 TONS FOR WEDGING, 23 TONS FOR PAVEMENT RELIEF JOINTS, AND 568 TONS FOR WIDENING.

④ INCLUDES 105 TONS FOR WEDGING, 11 TONS FOR PAVEMENT RELIEF JOINTS, AND 100 TONS FOR WIDENING, AND 260 TONS FOR TEMP. RAMP.

⑤ INCLUDES 900 lbs. #6 Reinforcing for each structure to replace existing corroded top transverse reinforcing. (Included in quantity)

⑥ 100% State Funds

CODE Nº.	DESCRIPTION	UNIT	PROJECT Nº. I-FI-74-1(85)24 I-74-24-4937A FUNDING 90/10 75/25	QUAN.	I-74-29-4941A FUNDING 90/10 75/25	QUAN.	I-74-30-4942A FUNDING 90/10 75/25	QUAN.	I-74-31-4944A & JA FUNDING 90/10 75/25	QUAN.	TOTAL
52366	TEMPORARY PAVEMENT MARKING TAPE	LFT.	✓	5900	✓	4560	✓	3440	✓	7030	20990
	TEMPORARY CONCRETE BARRIER	LFT.	✓	1060	✓	1020	✓	1120	✓	1200	4400
52881	FLASHING ARROW SIGN	EACH	✓	2	✓	1			✓	1	4
	REMOVAL OF LINE, SOLID, YELLOW, 4"	LFT.	✓	1360	✓	1920	✓	1420	✓	1550	5650
	REMOVAL OF LINE, SOLID, WHITE, 4"	LFT.	✓	346	✓	692	✓	692	✓	70	1800
	REMOVAL OF LINE, SKIP 8, WHITE, 4"	LFT.	✓	495	✓	248			✓	325	1068

ESTIMATE OF QUANTITIES
INDIANA STATE HIGHWAY COMMISSION

SCALE:- DATE:- February 14, 1979

SUBMITTED FOR APPROVAL: Ralph E. Mullinix

DRAWING:- OF SHEET:- 16 OF 35

PROJECT:- I-FI-74-1(85)24

CONTRACT NO. B-12106

BRIDGE FILE:- I-74-24-4937A I-74-30-4942A

DESIGNED ____ CKD. ____
DRAWN JAR CKD. RGM
TRACED ____ CKD. ____