

FEDERAL REGION NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	1992	1	32

INDEX					
PROJECT	STRUCTURE	TYPE	SPAN	OVER	STATION
EAC-NHI-65-3(245)III	I-65-III-5720A	STEEL GIRDER	I AT 155'-0" SKEW 37°-30'-58"LT	I-65 (SB) & RAMP '7N-W'	STA. 375+96.83 @ 1-65 (S.B.) = STA. 16+83.83 @ VIRGINIA AVE.
SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL		
1	ONE SHEET	TITLE SHEET & INDEX			
2	DI	GENERAL PLAN			
3 & 4	D2 & D3	RECONSTRUCTION DETAILS			
5	D4	RECONSTRUCTION DETAILS & BILL OF MATERIALS			
6	D5	BARRIER RAIL TYPE C4II DETAILS			

INDIANA DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS FOR SPANS OVER 20 FEET ON

VIRGINIA AVE. OVER I-65 (S.B.)

PROJ EAC NHI-65-3(245)III

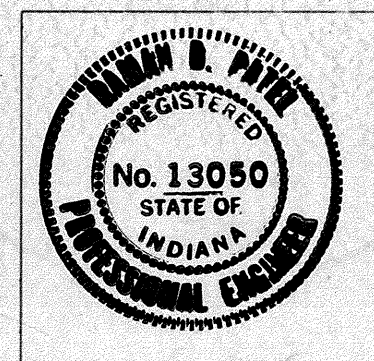
BEGINNING AT A POINT ON CENTER LINE OF EXISTING VIRGINIA AVE. APPROX. 24.21 FT. SOUTHEAST OF ITS INTERSECTION WITH CENTER LINE OF I-65(S.B.) AND EXTENDING IN A NORTHWESTERLY DIRECTION FOR APPROX. 161.62 FT. TO A POINT ON CENTER LINE OF EXISTING VIRGINIA AVE. APPROX. 137.41 FT. NORTHWEST OF ITS INTERSECTION WITH CENTER LINE OF I-65(S.B.) ALL IN SECTION 12, T.15 N., R.3 E., CENTER TOWNSHIP, MARION COUNTY.

5720
ROADWAY LENGTH = 0.000 MILES MAX. GRADE - 0.59%
BRIDGE LENGTH = 0.031 MILES
TOTAL LENGTH = 0.031 MILES

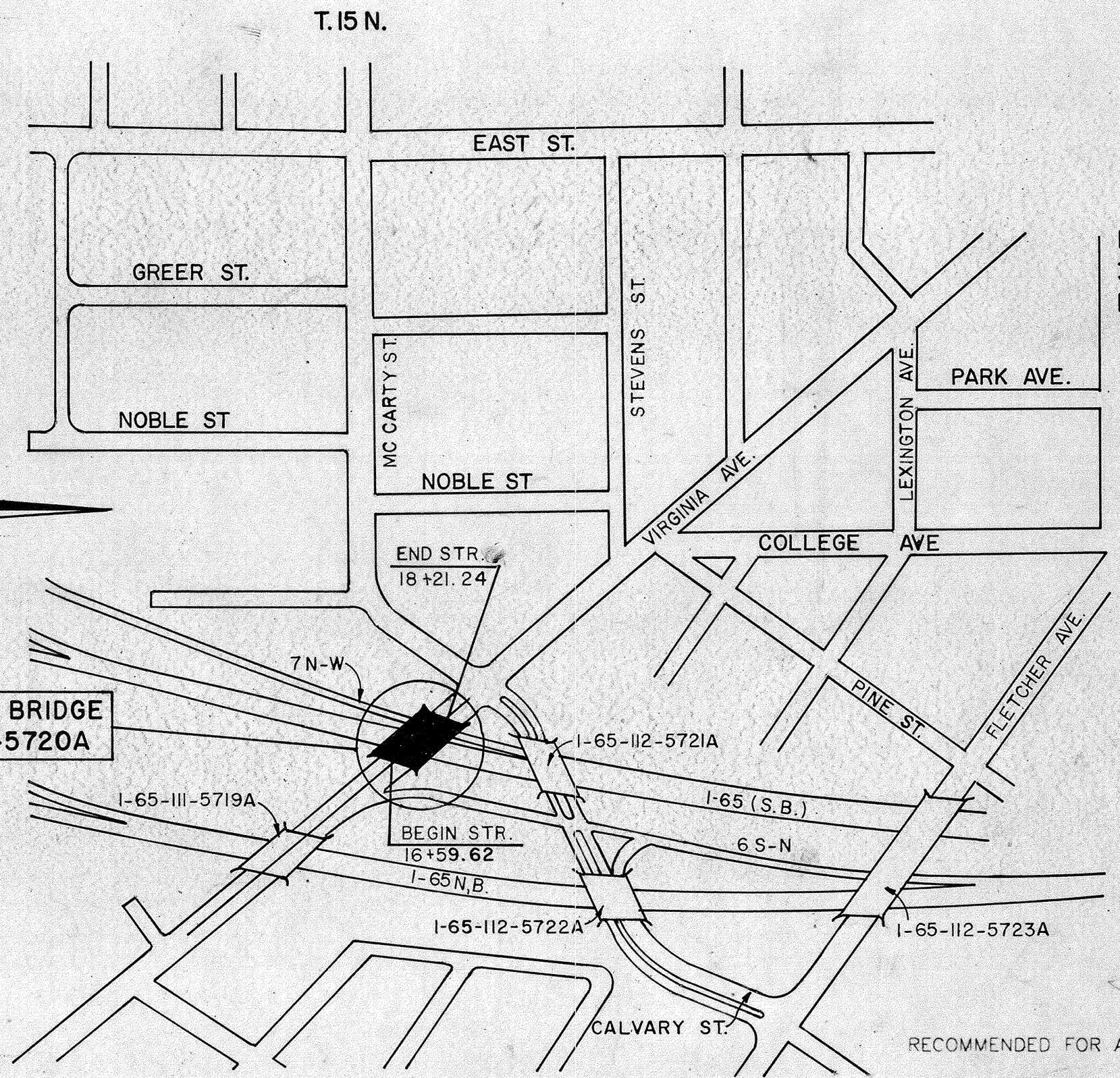
B-19752 3-8

TRAFFIC DATA	I-65-III-5720A	I-65 (S.B.)
A.D.T. (1972)	17,500 V.P.D.	(1992) 48,900 V.P.D.
A.D.T. (19 PROJECTED)	V.P.D.	V.P.D.
D.H.V. (19 PROJECTED)	V.P.D.	V.P.D.
TRUCKS	D.H.V. % A.D.T. %	D.H.V. % A.D.T. %
POSTED SPEED	30 M.P.H.	55 M.P.H.
ACCESS CONTROL		
FUNCTIONAL CLASSIFICATION	URBAN ARTERIAL	INTERSTATE

PREPARED & RECOMMENDED BY
ROAW
REID, QUEBE, ALLISON, WILCOX & ASSOCIATES, INC.
INDIANAPOLIS, INDIANA
Ram D. Patel
RAMAN D. PATEL P.E.



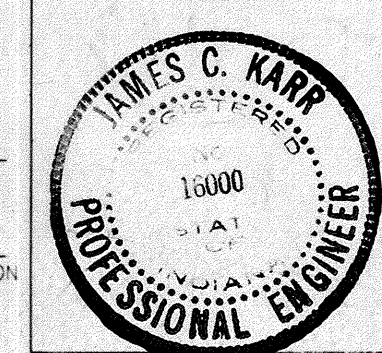
NOTE:
WHENEVER NH-65-3(245)III APPEARS ON THESE PLANS OR CONTRACT DOCUMENTS IT SHALL BE INTERPRETED AS EACNHI-65-3(245)III



INDEX CONTINUED				
SHEET NO.	SHEET DESIGNATION	SUBJECT	F.H.W.A. APPROVAL	ADOPTED TA REVISION
7	BRIDGE STD. BR-1A	CONCRETE BRIDGE RAILING TRANSITION TYPE T6B	*	A AUG 92
8	BRIDGE STD. C1	MISCELLANEOUS DETAILS	11-22-91	R 10-01-91
	BRIDGE STD. C2	MISCELLANEOUS DETAILS		
9	BRIDGE STD. C3	MISCELLANEOUS DETAILS	1-26-88	R 11-2-87
	BRIDGE STD. C4	PRESTRESSED CONCRETE PILLIS		
	BRIDGE STD. C5	PRECAST DECK PANEL DETAILS		
	BRIDGE STD. D	CASTING DETAILS AND ROADWAY DRAINS		
	BRIDGE STD. D1	ADJUSTING FRAM. DETAILS FOR ROADWAY DRAINS		
	BRIDGE STD. PB1	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. PB2	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. PB3	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. PB	PRESTRESSED CONCRETE TYPE I-BEAMS		
	BRIDGE STD. PB10	TEMPERATURE FABRICATION OF PRESTRESSED BEAMS		
	BRIDGE STD. PB11	CASTING BEAMS FOR CONCRETE BEAMS		
	BRIDGE STD. R2A	BRIDGE LIGHTING DETAILS		
	BRIDGE STD. R2B	BRIDGE LIGHTING DETAILS		
	BRIDGE STD. S1	MISCELLANEOUS DETAILS		
	BRIDGE STD. SH1	WHEEL SHOES DETAILS		
10	BRIDGE STD. SS-1	STRUCTURAL EXPANSION JOINTS CLASS SS, SHEET 1	6-20-91	A APRIL 91
11	BRIDGE STD. SS-2	STRUCTURAL EXPANSION JOINTS CLASS SS, SHEET 2	6-20-91	A APRIL 91
	BRIDGE STD. T SHEET A	STANDARD TEMPORARY BRIDGE		
	BRIDGE STD. T SHEET B	STANDARD TEMPORARY BRIDGE		
12	ROAD STD. SHEET A	STANDARD PAVEMENT JOINTS	*	R 3-1-90
13	ROAD STD. SHEET B	STANDARD PAVEMENT JOINTS	5-01-90	R 3-1-90
14	ROAD STD. SHEET MA-1	MISCELLANEOUS STANDARDS	7-13-88	R 6-1-88
	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MB-2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MB-4	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC-1	MISCELLANEOUS STANDARDS		
15	ROAD STD. SHEET MA-1A	MISCELLANEOUS STANDARDS	5-1-90	R 3-1-90
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
16	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS	5-19-88	R 4-4-88
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH-1	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH-2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MI-1	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MI-2	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MJ	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MK	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MN	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MN-1	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MQ	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MR	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MT	MISCELLANEOUS STANDARDS		
17	ROAD STD. SHEET B-1	MISCELLANEOUS STANDARDS	*	A AUG 92
	ROAD STD. SHEET MA-1	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MD	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ME	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MF	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MG	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MH	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MI	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MJ	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MK	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET ML	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MM	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MN	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MO	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MP	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MQ	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MR	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MS	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MT	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MU	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MV	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MW	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MX	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MY	MISCELLANEOUS STANDARDS		
	ROAD STD. SHEET MZ	MISCELLANEOUS STANDARDS		
18	ROAD STD. SHEET MA-1A	MISCELLANEOUS STANDARDS	4-10-84	R 2-1-84
19	ROAD STD. SHEET MB	MISCELLANEOUS STANDARDS	6-28-89	R 5-1-89
20	ROAD STD. SHEET MC	MISCELLANEOUS STANDARDS	8-5-88	R 8-1-88
21	ROAD STD. SHEET G-1	W-BEAM GUARDRAIL COMPONENTS	*	A AUG 92
22	ROAD STD. SHEET G-2	THREE-BEAM GUARDRAIL COMPONENTS	7-20-92	A DEC 91
23	ROAD STD. SHEET G-3	W-BEAM GUARDRAIL ASSEMBLIES	7-20-92	A DEC 91
24	ROAD STD. SHEET E-1	GUARDRAIL END TREATMENT TYPE I	7-20-92	A DEC 91
25	ROAD STD. SHEET T-1	GUARDRAIL TRANSITION TYPE T6B	*	A AUG 92
	ROAD STD. SHEET CR10	ROAD RAIL BUFF FENCE		
	ROAD STD. SHEET CR10A	ROAD RAIL BUFFER BOARD TERMIN.		
	ROAD STD. SHEET CR10B	ROAD RAIL BUFFER BOARD TERMIN. SECTION		
	ROAD STD. SHEET CB-1	CONCRETE MEDIAN BARRIER		
26	ROAD STD. SHEET CR-2	TEMPORARY CONCRETE BARRIER	1-11-89	R 9-1-88
	ROAD STD. SHEET 1 DETOURS	STANDARD DETOUR SIGNS		
27	ROAD STD. SHEET 1A DETOURS	STANDARD DETOUR SIGNS	6-20-91	R 4-1-91
	ROAD STD. SHEET 1B DETOURS	STANDARD DETOUR SIGNS		
	ROAD STD. SHEET 2 DETOURS	STANDARD DETOUR SIGNS		
	ROAD STD. SHEET 2A DETOURS	STANDARD DETOUR SIGNS	*	A SEPT 88
28	ROAD STD. SHEET 3 DETOURS	STANDARD DETOUR SIGNS	*	R 9-1-88
29	ROAD STD. SHEET 3A DETOURS	STANDARD DETOUR SIGNS	*	R 9-1-88
30	ROAD STD. SHEET 3B DETOURS	STANDARD DETOUR SIGNS	1-11-89	R 9-1-88
31	ROAD STD. SHEET 4 DETOURS	STANDARD DETOUR SIGNS	*	R 9-1-88
32	ROAD STD. SHEET 5 DETOURS	STANDARD DETOUR SIGNS	*	R 9-1-88

* F.H.W.A. APPROVAL PENDING

RECOMMENDED FOR APPROVAL 10-9-92
James C. Karp
BRIDGE REHABILITATION ENGINEER, INDIANA DEPARTMENT OF TRANSPORTATION



APPROVED 10-9-92
Don Rell
CHIEF DIVISION DESIGNER, INDIANA DEPARTMENT OF TRANSPORTATION



FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
APPROVED: _____ DATE _____
DIVISION ADMINISTRATOR

BRIDGE FILE: I-65-III-5720A

REVISIONS	
DATE	SHEET NO.

REVISIONS	
DATE	SHEET NO.
9/9/92	A INDEX, PROJECT NO., INCLUDED DES. NO., ADT YEAR FOR I-65 (SBL)

RECOMMENDED FOR APPROVAL 10-9-92
Don Rell
DESIGN CONSULTANT SERVICES MANAGER
INDIANA DEPARTMENT OF TRANSPORTATION

INDIANA DEPARTMENT OF HIGHWAYS
STANDARD SPECIFICATIONS DATED 1988
TO BE USED WITH THESE PLANS.
DES. NO. 8716165

Cracks in Abutment Wall to Be Epoxy Injected. Typical Each Abutment.
 Est. Qty: "Epoxy Injection, Crack Preparation" 15 Lft. Each Wall, 30 Lft. Total
 "Epoxy Injection, Epoxy Material" .25 Gallon Each Wall, .50 Gallon Total.

Structure Is Built To A -0.59% Grade & A 100' Vertical Curve

Replace Exist. Railing With Barrier Rail Type C411, With Transitions. See Drawing D-6 For Details.

-0.59% -1.03%
 P.I. Sta. 18+25.00
 Exist. El. 729.11 (1971)
 Proposed El. 729.235 (1992)
 L.V.C. = 100'

GENERAL NOTES:

PLANS FOR EXISTING STRUCTURE ARE ON FILE IN THE BRIDGE DEPARTMENT AT THE INDIANA DEPARTMENT OF TRANSPORTATION, AS BRIDGE FILE NO. 1-65-11-5720 AND ARE AVAILABLE UPON REQUEST.

WHERE NEW WORK IS TO BE FITTED TO OLD WORK, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND REPORT ANY ERRORS OR DISCREPANCIES TO THE ENGINEER AND ASSUME RESPONSIBILITY FOR THEIR CORRECTNESS AND FIT OF THE NEW PART TO THE OLD.

CONCRETE FOR PATCHES IN DETERIORATED DECK AREAS SHALL BE BRIDGE DECK PATCHING CONCRETE OR BRIDGE DECK OVERLAY MATERIAL.

THE HAND CHIPPING AND CLEANING OF DETERIORATED DECK AREAS SHALL BE AS DIRECTED BY THE ENGINEER. IT IS THE INTENT OF THESE PLANS THAT ALL SUCH DETERIORATED CONCRETE BE REMOVED, AND SHOULD THERE BE ANY DOUBT AS TO THE QUALITY OF THE CONCRETE, REMOVAL SHALL CONTINUE UNTIL PERFECTLY SOUND CONCRETE IS EXPOSED.

SEAL ALL EXPOSED CONCRETE SURFACES, AS NOTED ON THE PLANS, WITH AN APPROVED SEALER. SEE SUPPLEMENTAL SPECIFICATIONS SECTION 709.05.

CONCRETE IN SUPERSTRUCTURE AND RAILINGS TO BE CLASS "C".

CHAMFER EXPOSED EDGES 1" UNLESS NOTED.

THE BOUNDARIES OF FULL DEPTH REMOVAL AREAS SHALL BE SAW CUT. ALL SAW CUTS FOR REMOVALS SHALL BE MADE TO A MINIMUM DEPTH OF 1" BELOW THE ORIGINAL SURFACE OR TO THE TOP OF THE REINFORCING IF COVER IS LESS THAN 1"

REINFORCING STEEL COVERING SHALL BE 2 1/2" BELOW THE TOP AND 1" MINIMUM ABOVE THE BOTTOM OF THE CLASS "C" CONCRETE FLOOR SLAB, AND 2" IN ALL OTHER PARTS UNLESS NOTED OTHERWISE.

FOR CONCRETE REMOVAL EQUIPMENT, SEE ARTICLE 202.03(b) OF THE STANDARD SPECIFICATIONS.

DURING ALL REMOVAL AND RECONSTRUCTION, UTILITY SERVICE SHALL NOT BE INTERRUPTED IF UTILITY SERVICE IS INTERRUPTED THE PROPER UTILITIES SHOULD BE NOTIFIED IMMEDIATELY.

UTILITIES

Power:

Indianapolis Power & Light Co.
 25 Monument Circle
 Indianapolis, In. 46204
 317-261-8261

Telephone:

Indiana Bell Telephone Co.
 240 N. Meridian St.
 Indianapolis, In. 46204
 800-352-5544

ELEVATION

SCALE 1/16"=1'-0"

MATERIAL NOTES:

BRIDGE DECK OVERLAY:

2 1/4" MODIFIED PORTLAND CEMENT CONCRETE OVERLAY
 OR
 3" DENSE PORTLAND CEMENT CONCRETE OVERLAY.
 (2" OR 2 3/4" ABOVE THE ORIGINAL SURFACE)

Pavement Relief Joint

330 Pounds Per Square Yard Bituminous Base, MV
 (Type No. 5D)

Remove Existing Concrete Sidewalk & Integral Concrete Curb (Est. Qty. 50 Sys. Sidewalk Removal & 100 Lft. Curb Removal) Widen Existing Approach To Full Width To Accommodate New Concrete Rail Transition. Typical Each Side of Structure, This End.

Replace Concrete Sidewalk & Concrete Curb To Limits of Removal. (Est. Qty. 41 Sys. Sidewalk & 80 Lft Concrete Curb) Typical Each Side of Structure, This End.

Remove 90 Lft. of existing aluminum guardrail. Install one (1) Guardrail Transition Type TGB and 25 Lft. of W-Beam Guardrail @ 6'-3" plus one (1) Guardrail End Treatment Type I. Connect to new transition.

GENERAL PLAN

STEEL GIRDER BRIDGE

1 SPAN 155'-0"; SKEW 37°-30'-58"LT.

50'-0" ROADWAY; TWO 6'-1" SIDEWALKS

VIRGINIA AVE. OVER I-65(SB) & RAMP '7N-W'

INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: -1/16" = 1'-0"

DATE: November 7, 1991

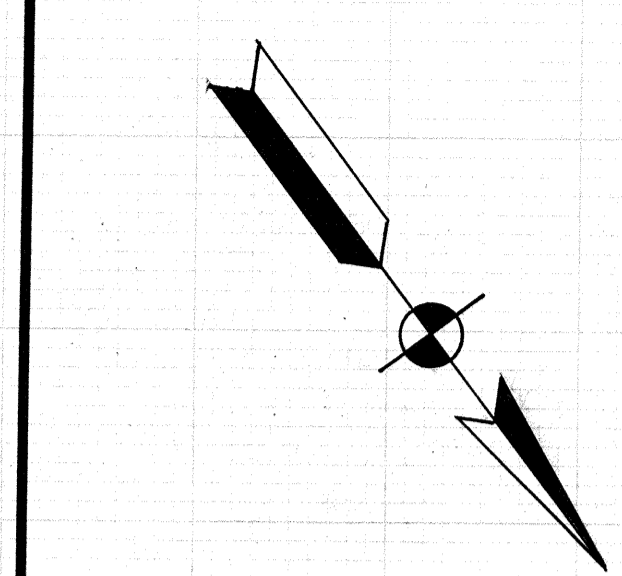
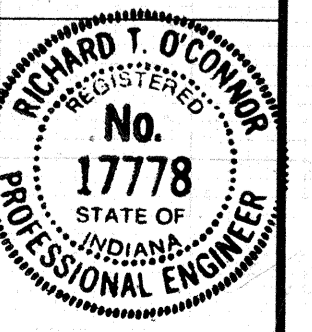
SUBMITTED FOR APPROVAL *Richard S. O'Connor*

DRAWING: D-1 OF D-5 SHEET: 2 OF 32

PROJECT: NH/65-3(245)III.

BRIDGE CONTRACT NO. B-19752

BRIDGE FILE: -1-65-III-5720A



Remove Existing Concrete Sidewalk & Integral Concrete Curb (Est. Qty 65 Sys. Sidewalk Removal & 152 Lft. Curb Removal) Widen Existing Approach To Full Width To Accommodate New Concrete Rail Transition.

Replace Concrete Sidewalk & Concrete Curb To Limits of Removal. (Est. Qty 70 Sys. Sidewalk & 132 Lft. Concrete Curb)

Remove 146 Lft. exist. aluminum guardrail & install one (1) Guardrail Transition Type TGB & 100 Lft. of W-Beam Guardrail @ 6'-3". Connect to new transition.

For continuation of curb, sidewalks and guardrail quantities, see Bridge Structure I-65-III-5719A

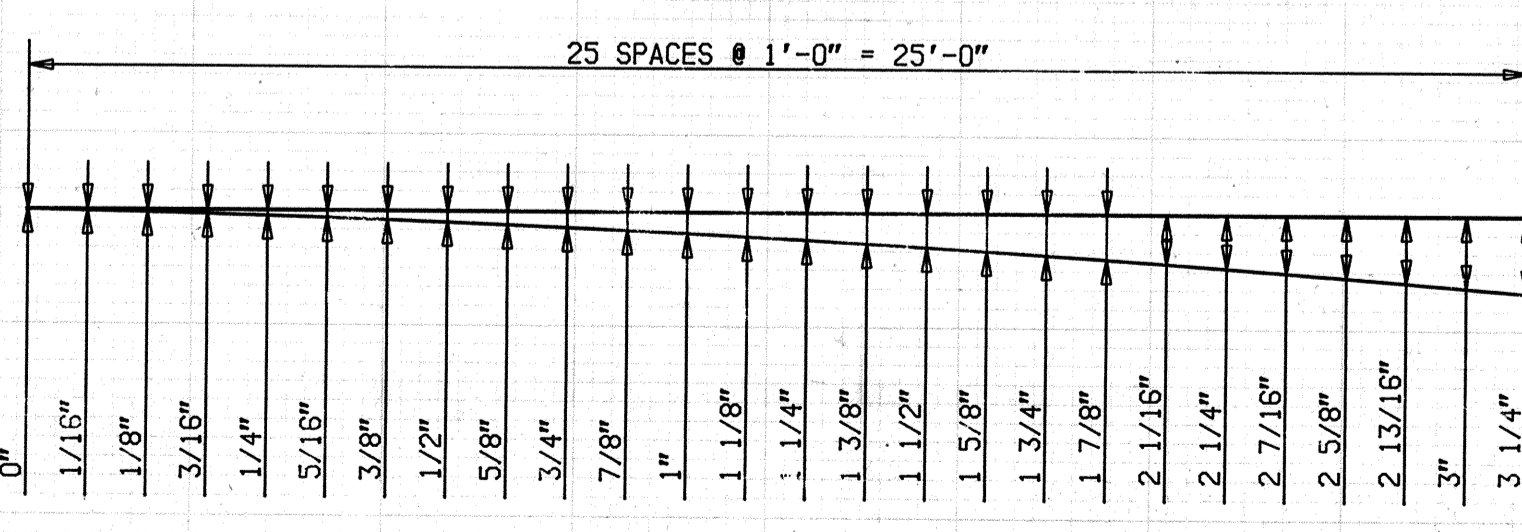
Remove Existing Concrete Sidewalk & Integral Concrete Curb. (Est. Qty. 36 Sys. Sidewalk Removal & 70 Lft. Curb Removal) Widen Existing Approach To Full Width To Accommodate New Concrete Rail Transition.

Replace Concrete Sidewalk & Concrete Curb To Limits of Removal. (Est. Qty. 6 Sys. Sidewalk & 11 Lft. Concrete Curb)

Remove 65 Lft. of Existing Aluminum Guard Rail.

Remove 5'± of the conc. deck adjacent to the exist. toothed expansion joint. Replace the toothed joint with a Type S5 expansion joint. (See Sheet 4 for Detail)

Remove 2'-6"± of the concrete deck adjacent to the existing B3-6 expansion joint. Replace the existing joint with a Type IA Joint. Rebuild the deck integrally with the new bridge deck. See sheet 4 for detail.



PAVEMENT OFFSETS

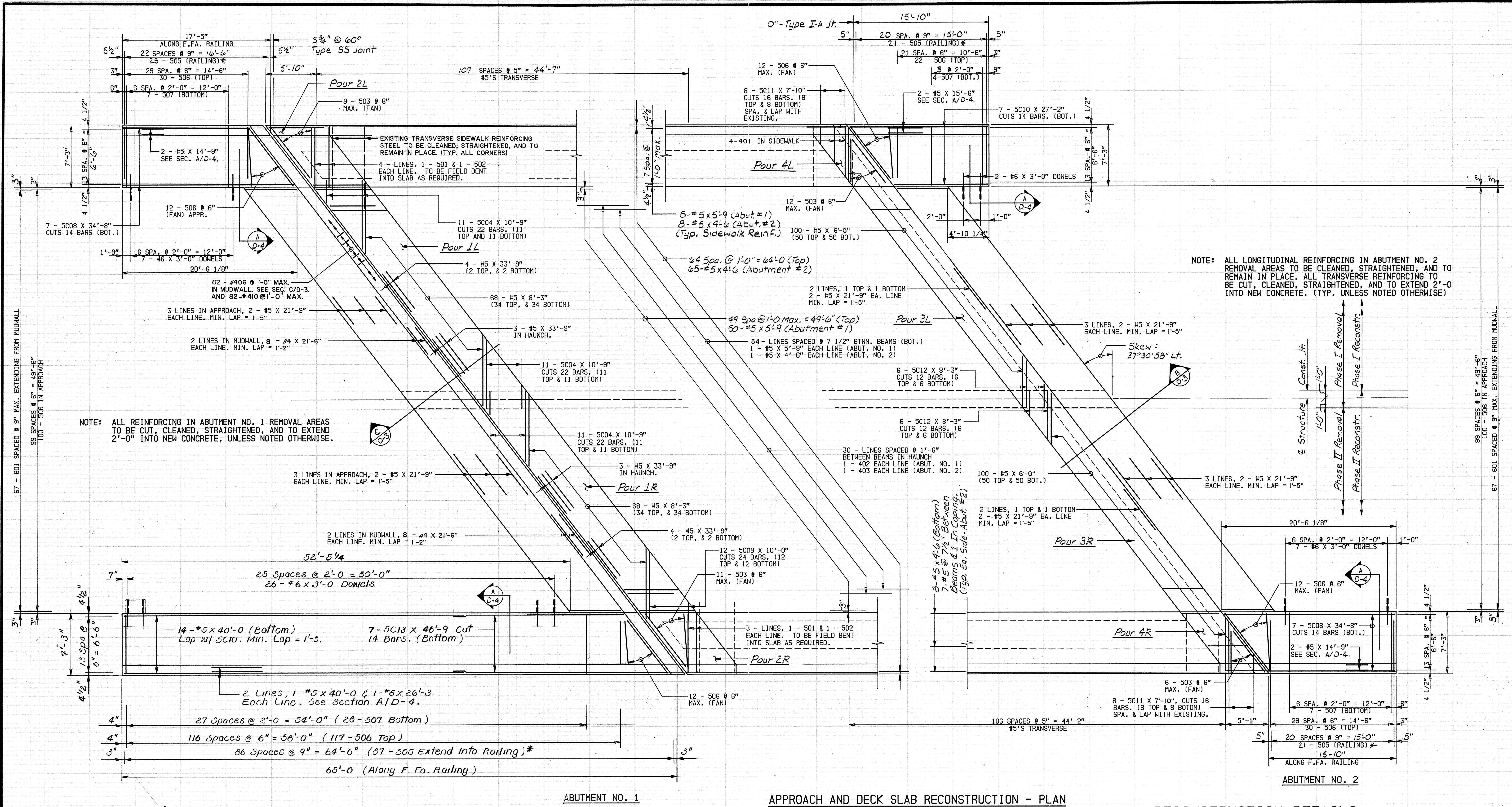
Cross Hatching = Concrete Approach Removal, Sys.
 Hatching = Removal of Present Structure, (Portions)

DESIGNED <i>Jet</i>	C'KD
DRAWN <i>DJS MEB</i>	C'KD <i>JET</i>
TRACED	C'KD

SF-22317

RQAW FILE: 91013/3308

9-4-92 Revised Guardrail, Project Number & Year



NOTE: ALL LONGITUDINAL REINFORCING IN ABUTMENT NO. 2 REMOVAL AREAS TO BE CLEANED, STRAIGHTENED, AND TO REMAIN IN PLACE. ALL TRANSVERSE REINFORCING TO BE CUT, CLEANED, STRAIGHTENED, AND TO EXTEND 2'-0\"/>

NOTE: ALL REINFORCING IN ABUTMENT NO. 1 REMOVAL AREAS TO BE CUT, CLEANED, STRAIGHTENED, AND TO EXTEND 2'-0\"/>

APPROACH AND DECK SLAB RECONSTRUCTION - PLAN
SCALE: 3/16\"/>

* 505 For Railing To Be Billed With Railing. See Drawing D-5.

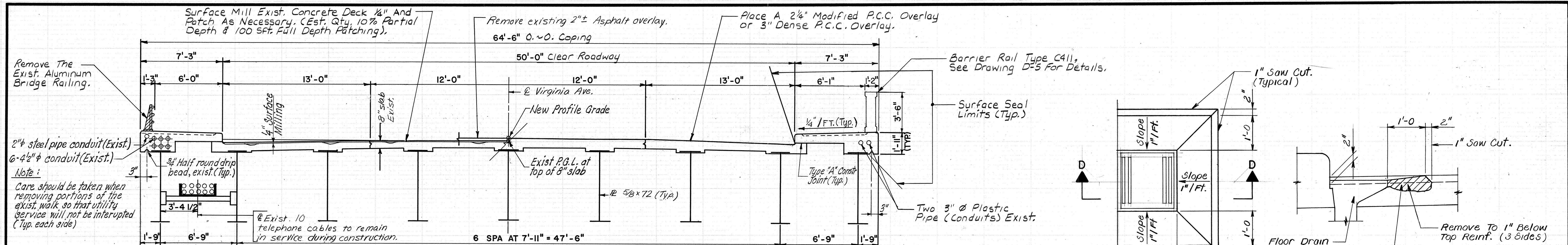
- NOTES:
- For General Notes & Construction Procedures, See Drawing D-1.
 - All Laps Shown Are Min. Lap Lengths.
 - For Railing Details, See Drawing D-5.
 - For Additional Details & Bill Of Materials, See Drawing D-4.
 - For Reinforcing Bar Notes, See Br. Std. C-1.

RECONSTRUCTION DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: - AS NOTED
DATE: November 7, 1991
SUBMITTED FOR APPROVAL: Richard J. O'Connor
DRAWING: D-2 OF D-5 SHEET: 3 OF 32
PROJECT: NH/65-3(245)III
BRIDGE CONTRACT NO. B-19752
BRIDGE FILE: I-65-111-5720A

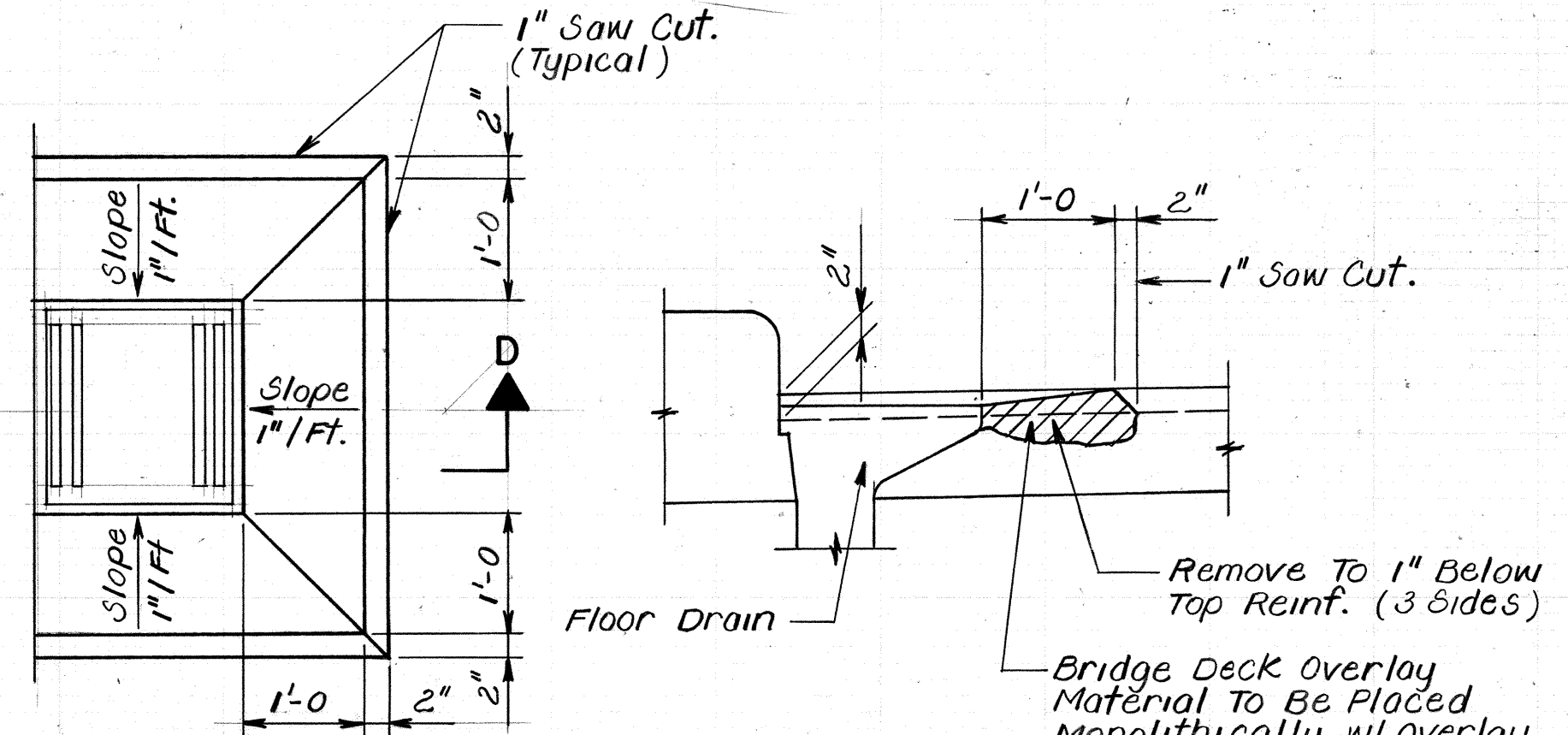


DESIGNED	JET	C'K'D	
DRAWN	DRD	C'K'D	JET
TRACED		C'K'D	



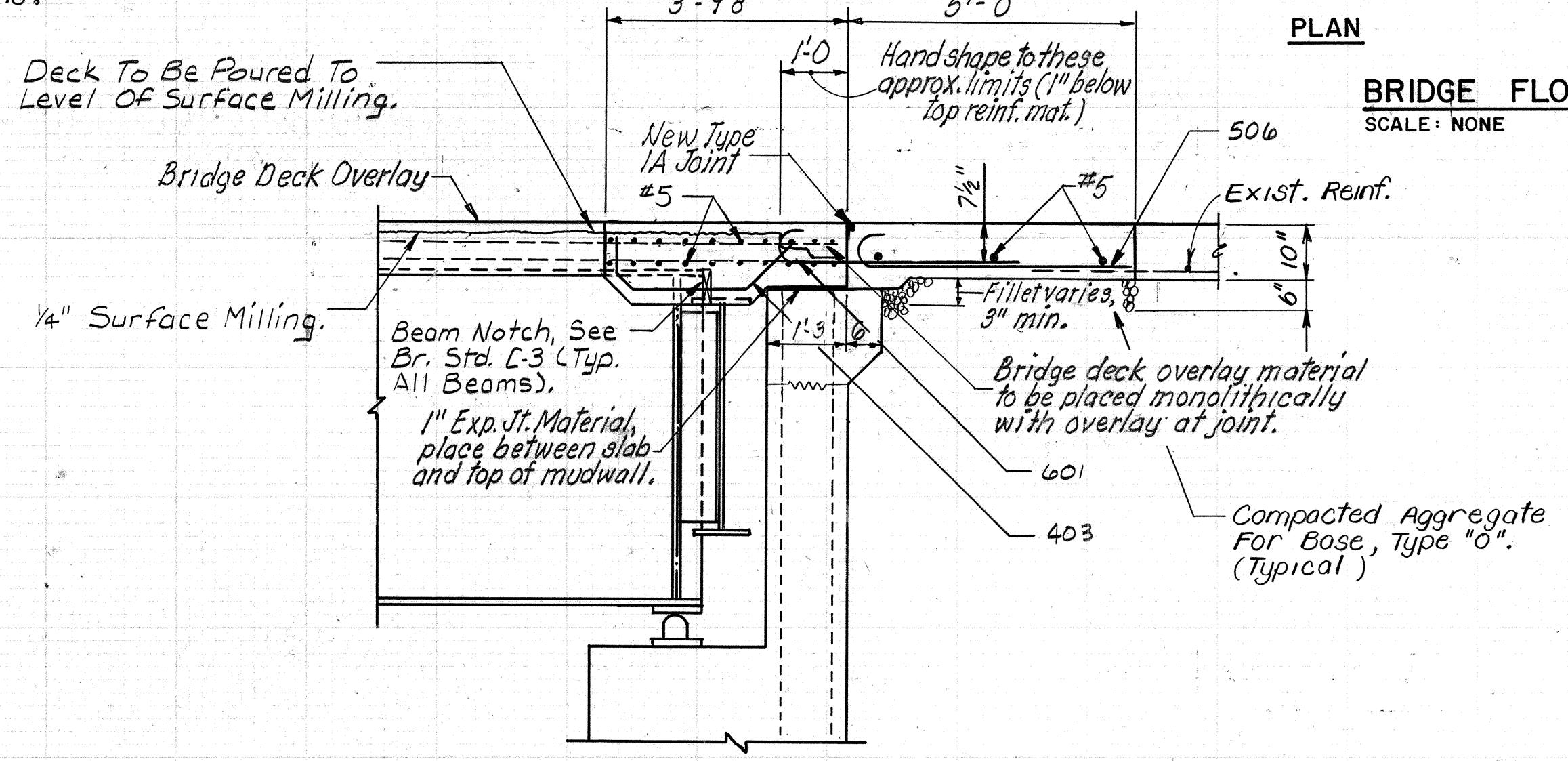
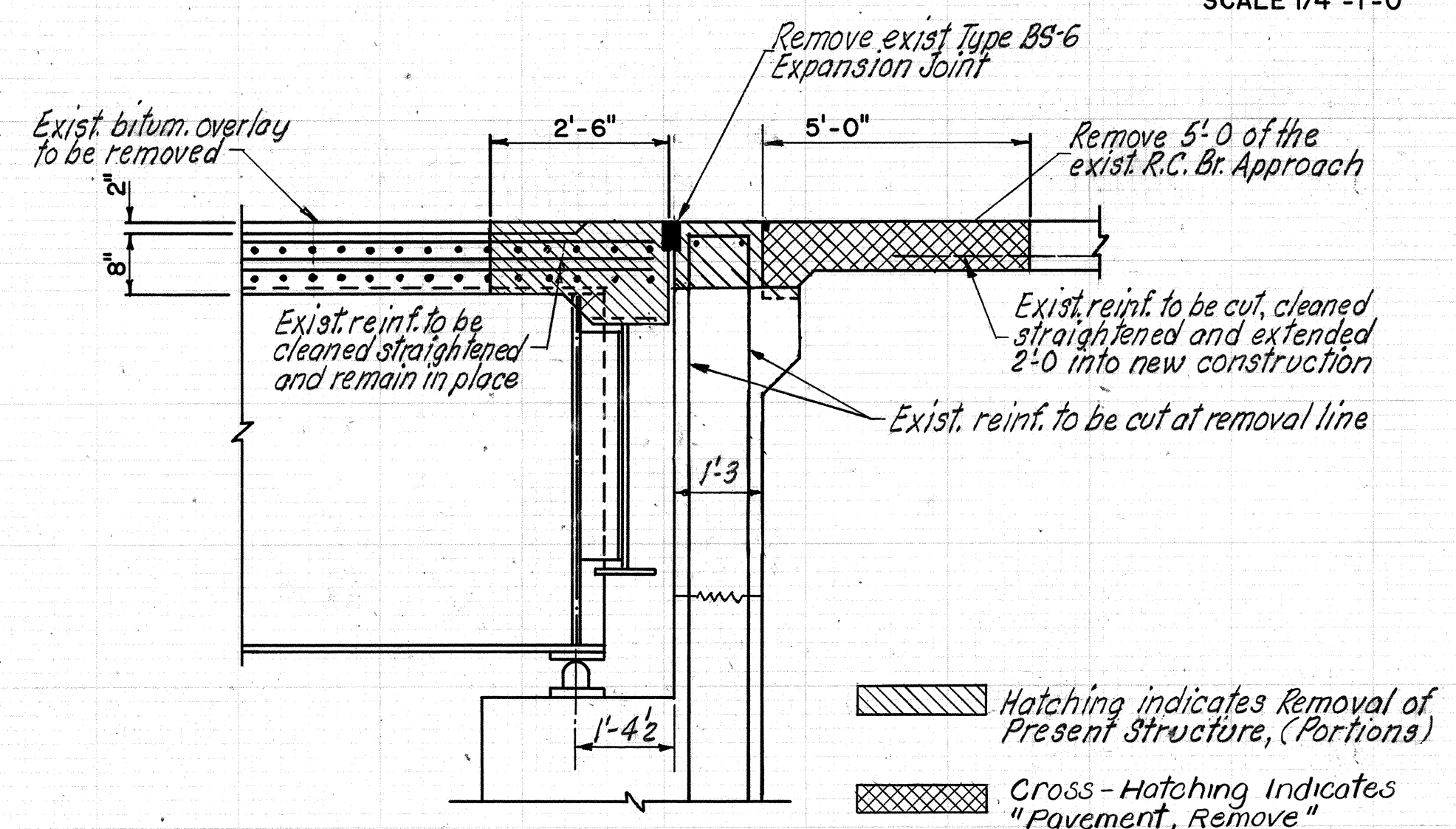
Note:
Care should be taken when removing portions of the exist. walk so that utility service will not be interrupted (Typ. each side)

Note: If The Bituminous Surface & Membrane Are Removed By Surface Milling, The Removal Of The Bituminous Surface And The Additional 1/4" Concrete Slab Surface Milling Must Be Done As Two Separate Operations.



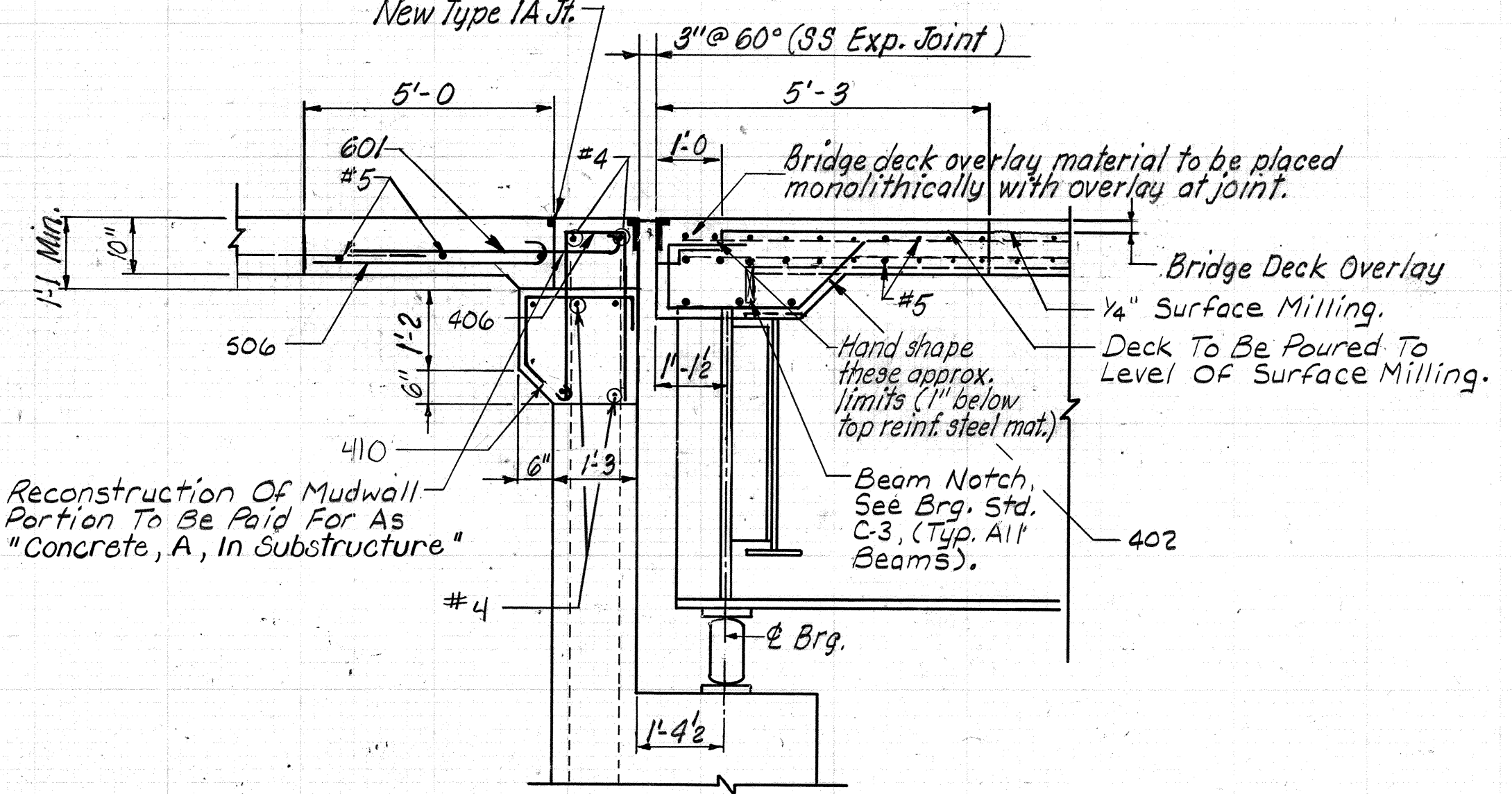
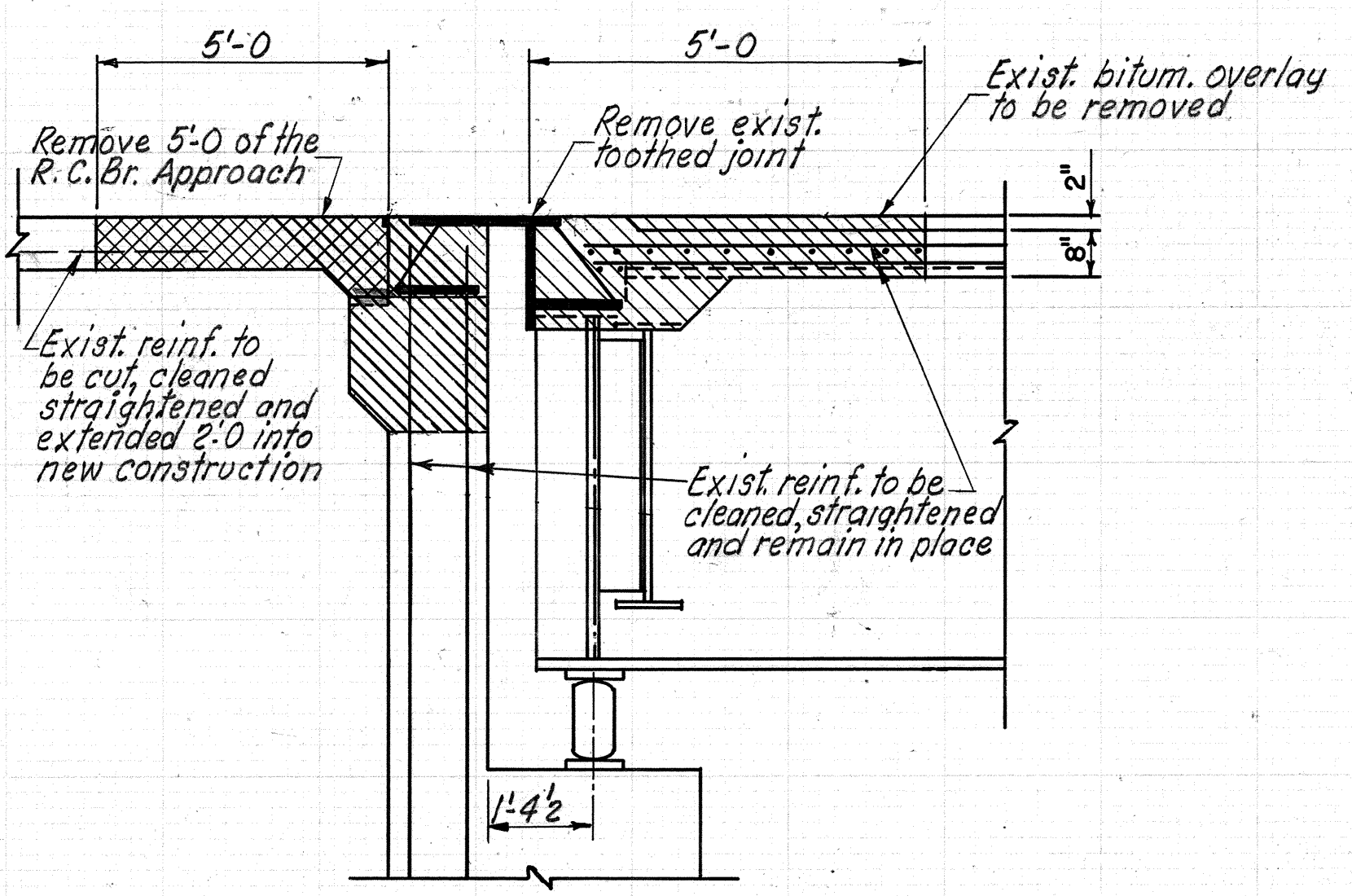
SECTION A-A
SCALE 1/4"=1'-0"

BRIDGE FLOOR DRAIN DETAIL
SCALE: NONE



SECTION B-B REMOVAL
SCALE 1/2"=1'-0"

SECTION B-B RECONSTRUCTION
SCALE 1/2"=1'-0"



Note:
Mudwall shall be poured after overlay has been placed and shall be a continuation of the bridge deck profile.

SECTION C-C REMOVAL
SCALE 1/2"=1'-0"

SECTION C-C RECONSTRUCTION
SCALE 1/2"=1'-0"

RECONSTRUCTION DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: AS NOTED DATE: November 7, 1991

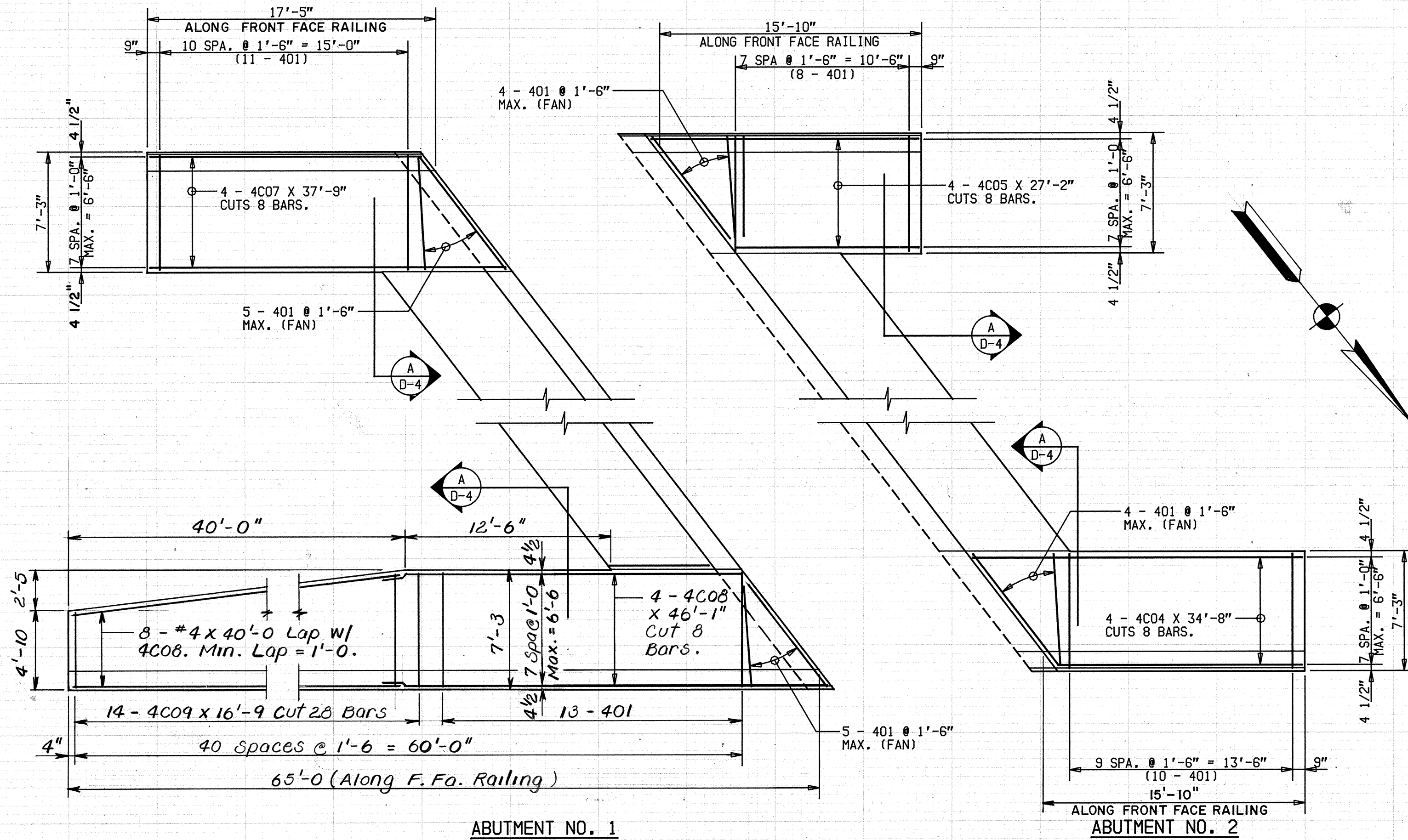
SUBMITTED FOR APPROVAL *Richard J. Connor*

DRAWING: D-3 OF D-5 SHEET: 4 OF 32
PROJECT: NH/65-3 (245)III
BRIDGE CONTRACT NO. B-19752
BRIDGE FILE: I-65-III-5720A



DESIGNED	JET	C.K.D.
DRAWN	MEB/DRD	C.K.D. JET
TRACED	DJS	C.K.D.

91013/3308

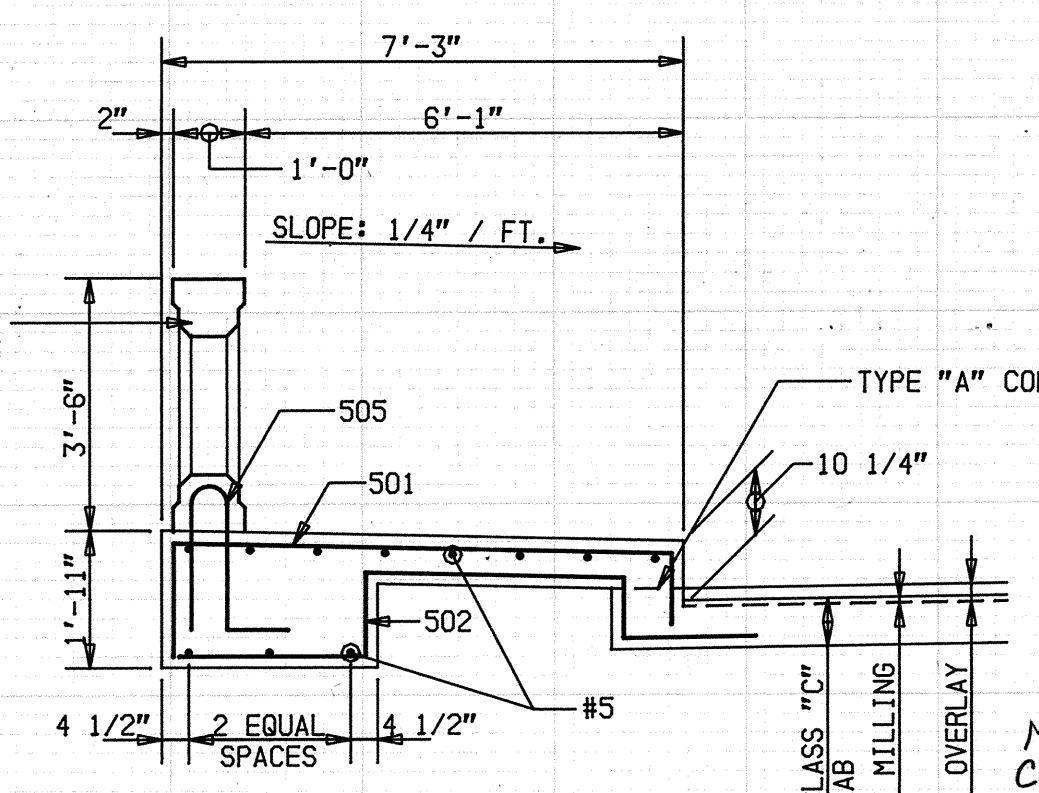


ABUTMENT NO. 1

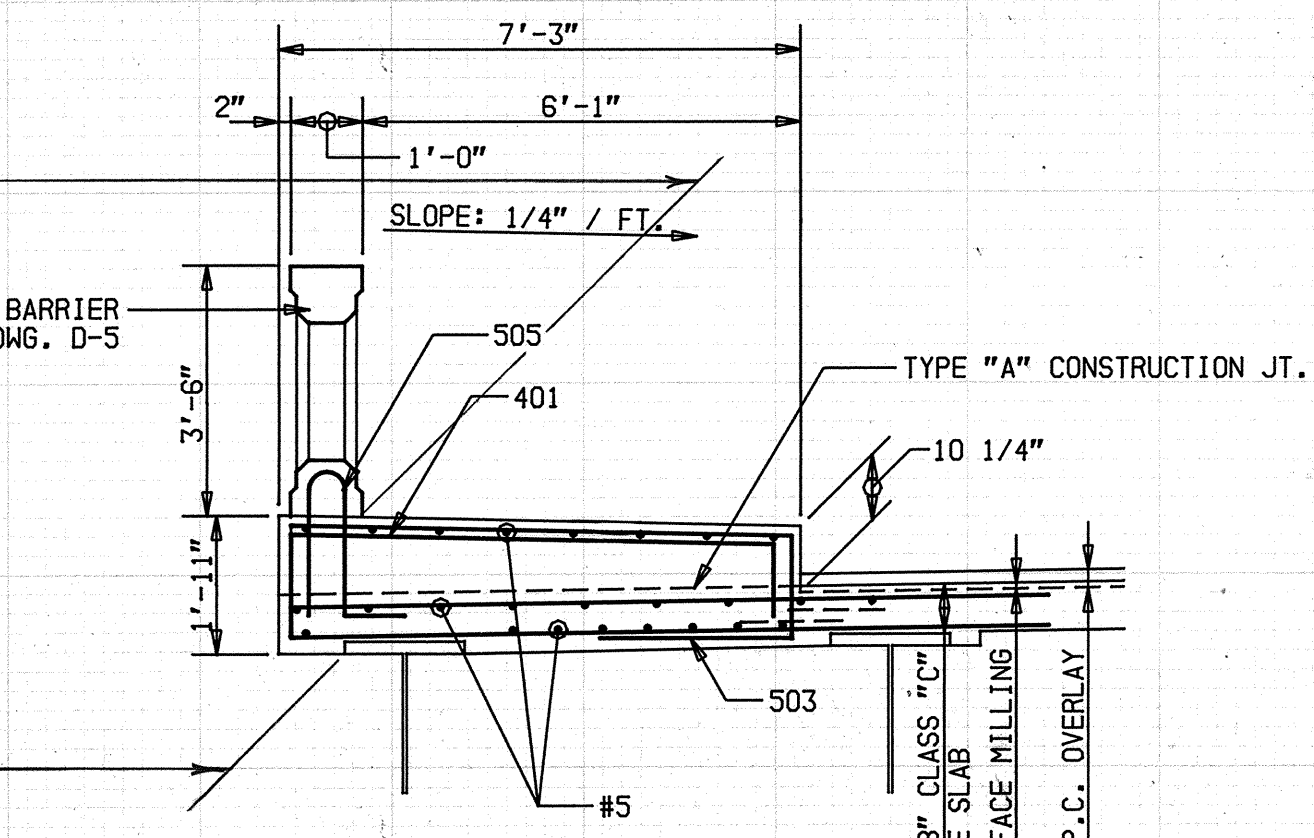
ABUTMENT NO. 2

SIDEWALK RECONSTRUCTION - PLAN
SCALE: 3/16" = 1'-0"

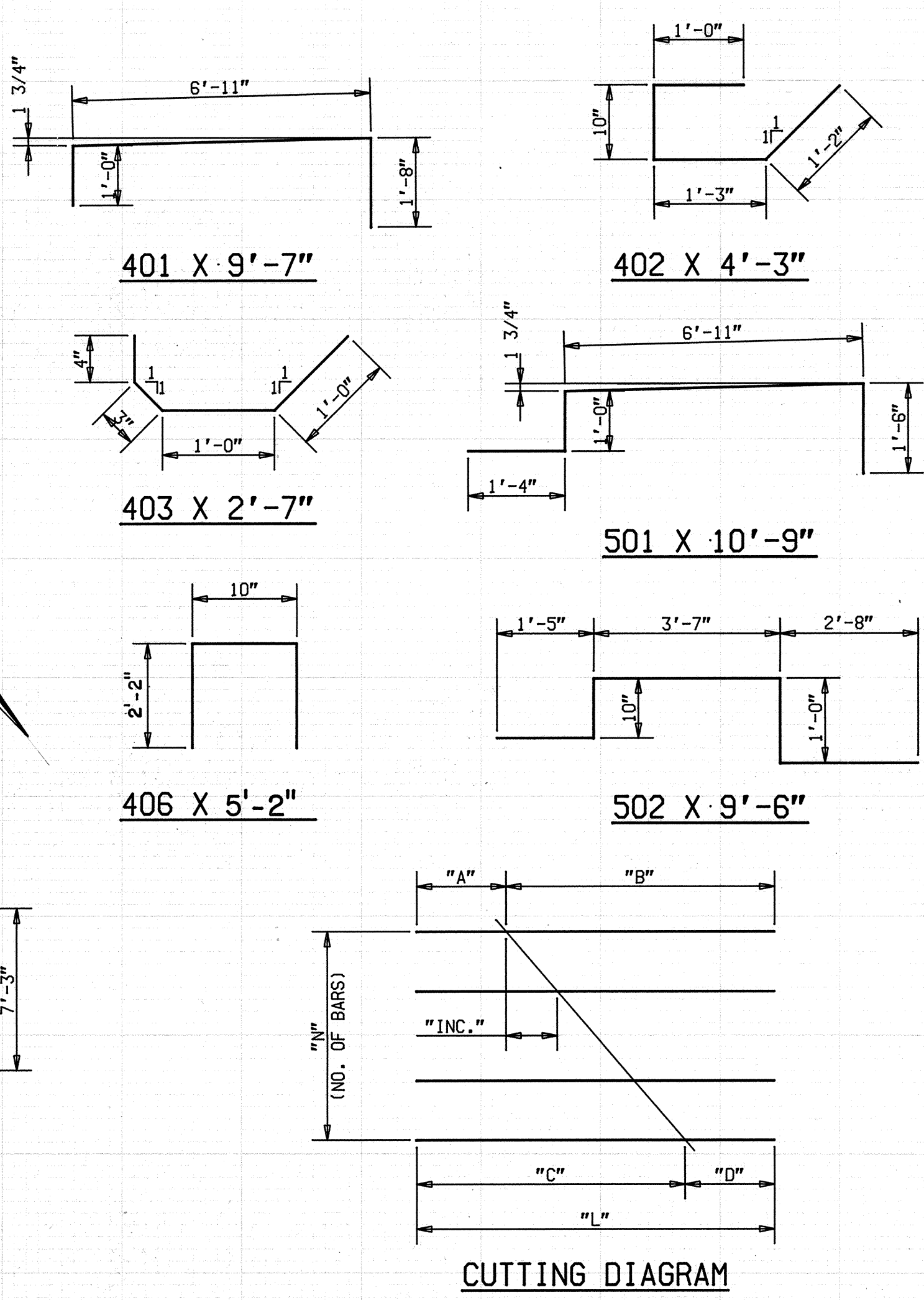
- NOTES:**
FOR GENERAL NOTES, & MATERIAL NOTES, SEE DRAWING D-1.
FOR REINFORCING BAR NOTES, SEE BRIDGE STANDARD C1.
LAPS SHOWN ARE MINIMUM LAP LENGTHS.
FOR TYPE "A" CONSTRUCTION JOINT DETAILS, SEE BRIDGE STANDARD C3.



DETAIL "A" (ABUT. 1)
SCALE: 3/8" = 1'-0"



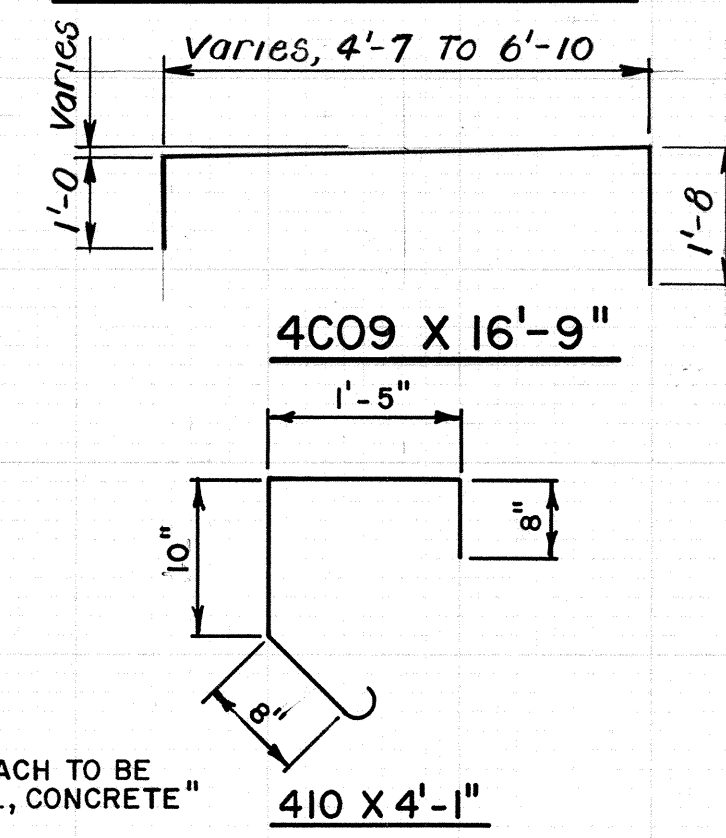
DETAIL "B" (ABUT. 2)
SCALE: 3/8" = 1'-0"



CUTTING DIAGRAM

TABLE							
MARK	"N"	"L"	"A"	"B"	"C"	"D"	"INC."
5C04	11	10'-9"	2'-8"	8'-1"	8'-1"	2'-8"	6 1/2"+
5C08	7	34'-8"	14'-10"	19'-10"	17'-6"	17'-2"	4 5/8"+
5C09	6	10'-0"	2'-0"	8'-0"	8'-0"	2'-0"	6 1/2"+
5C13	7	46'-9"	26'-1"	20'-8"	23'-7"	23'-2"	5"
5C11	8	7'-10"	2'-0"	5'-10"	5'-10"	2'-0"	6 1/2"-
5C12	6	8'-3"	2'-9"	5'-6"	5'-6"	2'-9"	6 1/2"-
4C04	4	34'-8"	14'-9"	19'-11"	17'-9"	16'-11"	8 5/8"+
4C05	4	27'-2"	11'-1"	16'-1"	13'-9"	13'-5"	9 3/8"-
4C07	4	37'-9"	16'-3"	21'-6"	19'-3"	18'-6"	9"
4C08	4	46'-1"	25'-8"	20'-5"	23'-5"	22'-8"	9"
5C10	7	27'-2"	11'-1"	16'-1"	13'-9"	13'-5"	4 5/8"+
4C09	14	16'-9"	9'-6"	7'-3"	8'-5"	8'-4"	1"

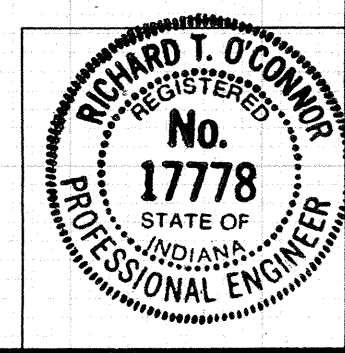
MARK	A	LENGTH
506	6'-0"	6'-7"
507	7'-0"	7'-7"
601	3'-10"	4'-6"



RECONSTRUCTION DETAILS AND BILL OF MATERIALS

INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: AS NOTED
DATE: November 7, 1991
SUBMITTED FOR APPROVAL: Richard J. O'Connor
DRAWING: D-4 OF D-5 SHEET: 5 OF 32
PROJECT: NH/65-3(245)III
BRIDGE CONTRACT NO. B-19752
BRIDGE FILE: I-65-111-5720A



BILL OF MATERIALS (Cont'd)

MISCELLANEOUS	(QTY.)
BRIDGE DECK PATCHING FULL DEPTH	100 SFT.
BRIDGE DECK PATCHING (PARTIAL DEPTH)	789 SFT.
BRIDGE DECK OVERLAY	888 SYS.
ADDITIONAL BRIDGE DECK OVERLAY	7.5 CYS.
FIELD DRILLED HOLES IN CONCRETE	42 EACH
REMOVAL OF PAVEMENT	70 SYS.
REMOVAL OF GUARD RAIL	391 LFT.
REMOVAL OF INTEGRAL CONCRETE CURB	422 LFT.
REMOVAL OF BRIDGE DECK OVERLAY	877 SYS.
REMOVAL OF SIDEWALK	206 SYS.
MASONRY COATING	3,323 SFT.
SURFACE MILLING P.C. CONCRETE	877 SYS.
CONCRETE PAVEMENT REINF. (10 INCH)	162 SYS.
GUARDRAIL TRANSITION TYPE TGB	3 EACH
W-BEAM GUARDRAIL @ 6'-3"	200 LFT.
GUARD RAIL END TREATMENT TYPE I	2 EACH
FENCE, CHAIN LINK TYPE, 48 INCH	30 LFT.
CURB WALK, INTEGRAL CONCRETE	87 SYS.
CURB, CONCRETE	303 LFT.
EXPANSION JOINT SS	84 LFT.
SURFACE SEAL (ESTIMATED)	1,710 SFT.
SIDEWALK, CONCRETE, COMPACTED AGGREGATE FOR BASE,	158 SYS.
O	54 TONS

BILL OF MATERIALS

SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT (LBS.)
601	134	4'-6"	
#6	42	3'-0"	
TOTAL #6			1,095
5C13	7	46'-9"	
501	7	10'-9"	
502	7	9'-6"	
503	38	11'-4"	
5C04	33	10'-9"	
505	SEE DRAWING D-5		
506	447	6'-7"	
507	46	7'-7"	
5C08	14	34'-8"	
5C09	12	10'-0"	
5C10	7	27'-2"	
5C11	16	7'-10"	
5C12	12	8'-3"	
#5	14	33'-9"	
#5	32	21'-9"	
#5	2	15'-6"	
#5	4	14'-9"	
#5	136	8'-3"	
#5	200	6'-0"	
#5	120	5'-9"	
#5	151	4'-6"	
#5	16	40'-0"	
#5	2	26'-3"	
TOTAL #5			11,690
401	60	9'-7"	
402	30	4'-3"	
403	30	2'-7"	
4C04	4	34'-8"	
4C05	4	27'-2"	
406	82	5'-2"	
4C07	4	37'-9"	
4C08	4	46'-1"	
4C09	14	16'-9"	
410	82	4'-1"	
4	8	40'-0"	
4	16	21'-6"	
TOTAL 4			2,017
TOTAL REINF. EPOXY COATED CONCRETE			14,802 (CYS.)
C, IN SUPERSTRUCTURE			
POUR NO. 1L			4.9
POUR NO. 1R			4.5
POUR NO. 2L			2.1
POUR NO. 2R			2.1
POUR NO. 3L			4.5
POUR NO. 3R			4.2
POUR NO. 4L			1.3
POUR NO. 4R			1.3
TOTAL C, IN SUPERSTRUCTURE			24.9
A, IN SUBSTRUCTURE			13.4

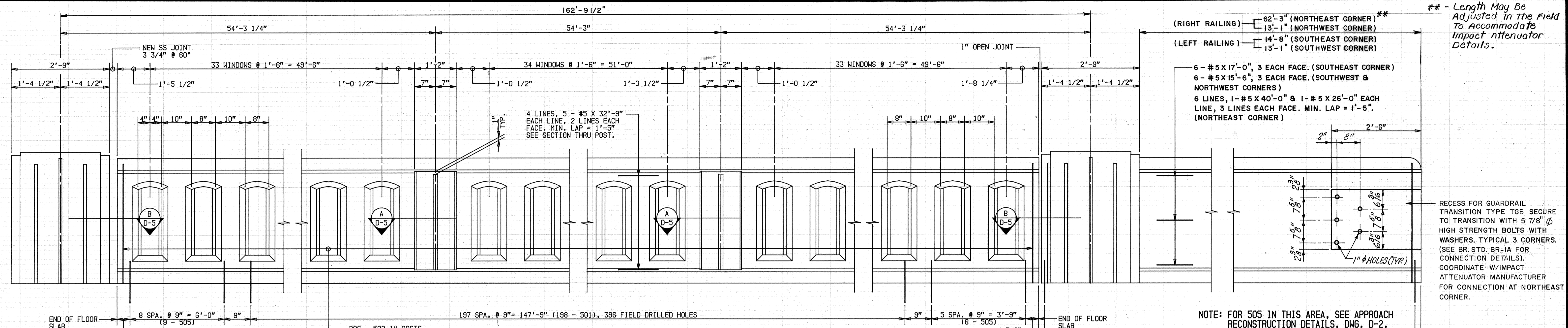
DESIGNED: JET C'KD
DRAWN: DRD C'KD JET
TRACED: C'KD

SF-22317

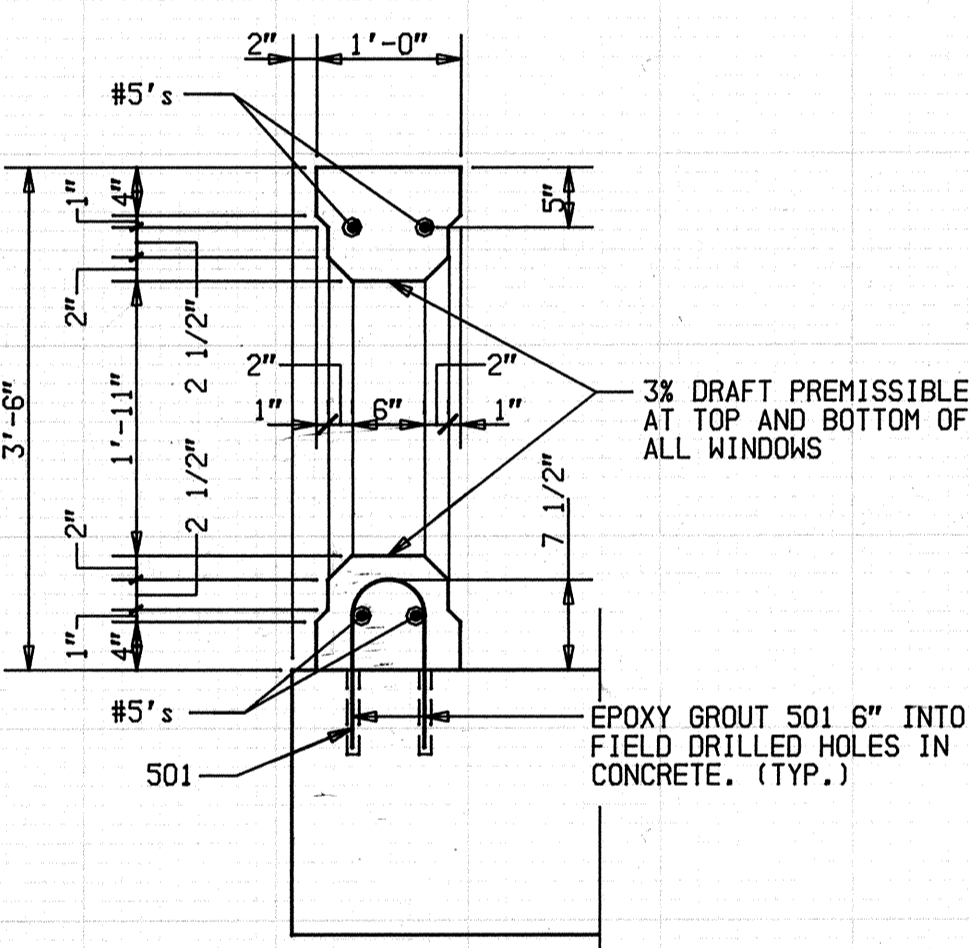
91013/3308

9/9/92 REVISED GUARDRAIL QUANTITIES

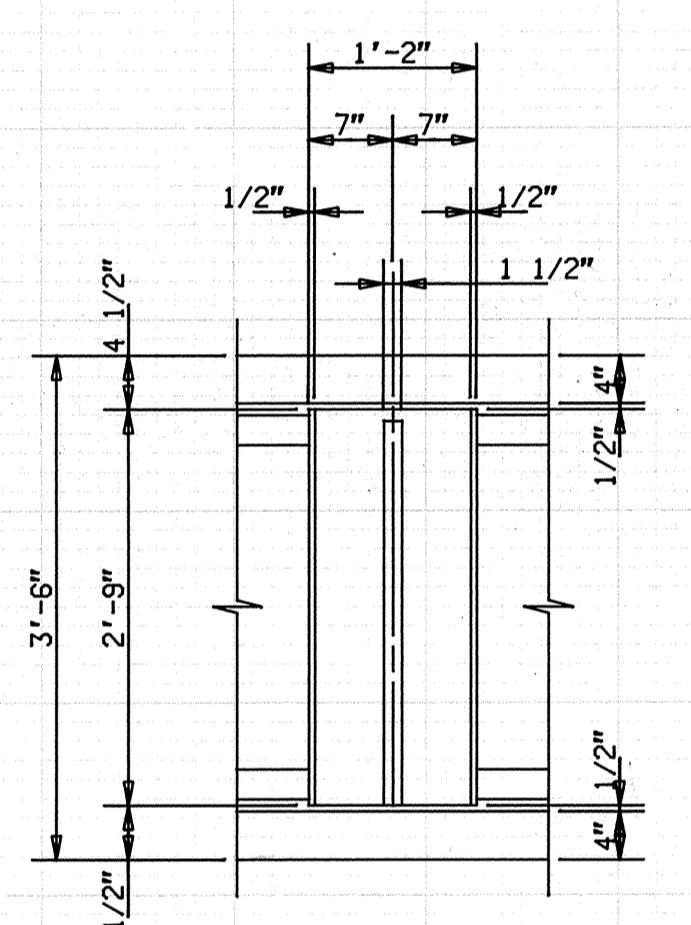
TP118



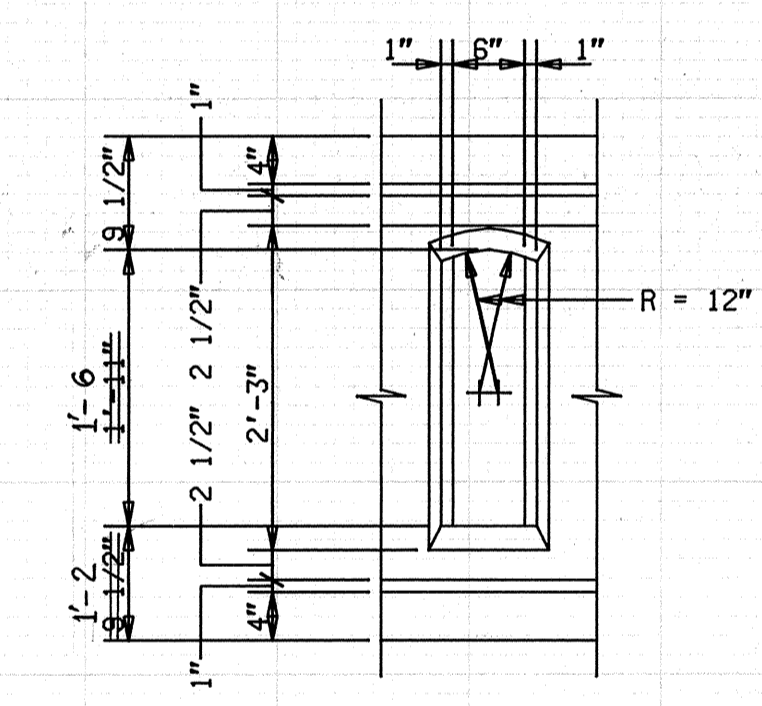
BARRIER RAIL ELEVATION
SCALE: 3/4" = 1'-0"



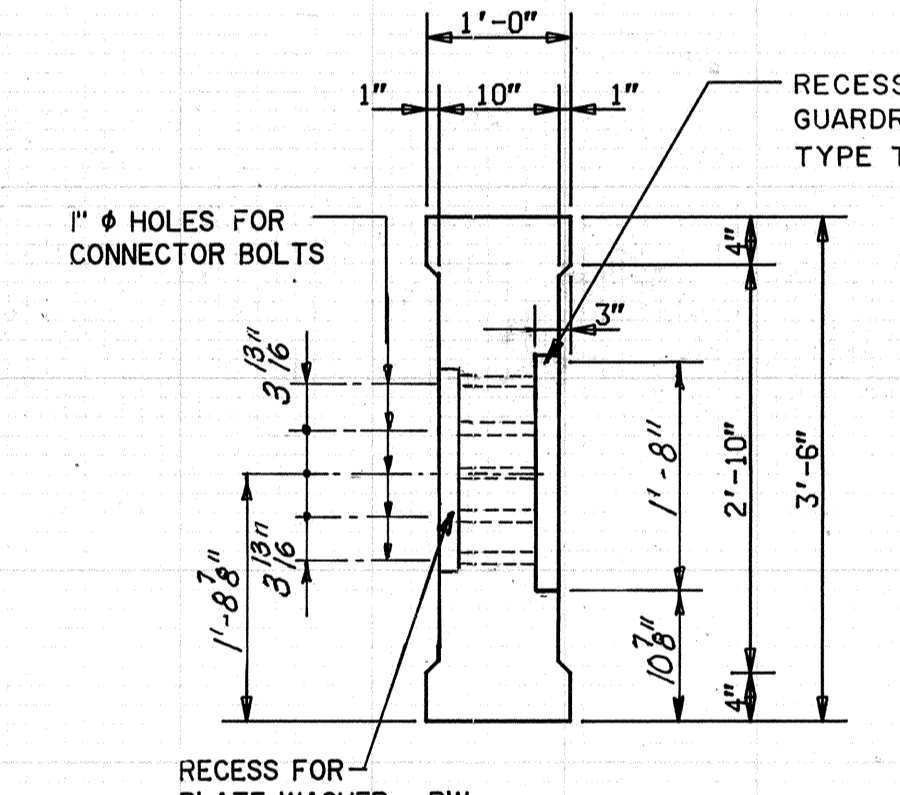
SECTION THRU WINDOW
SCALE: 3/4" = 1'-0"



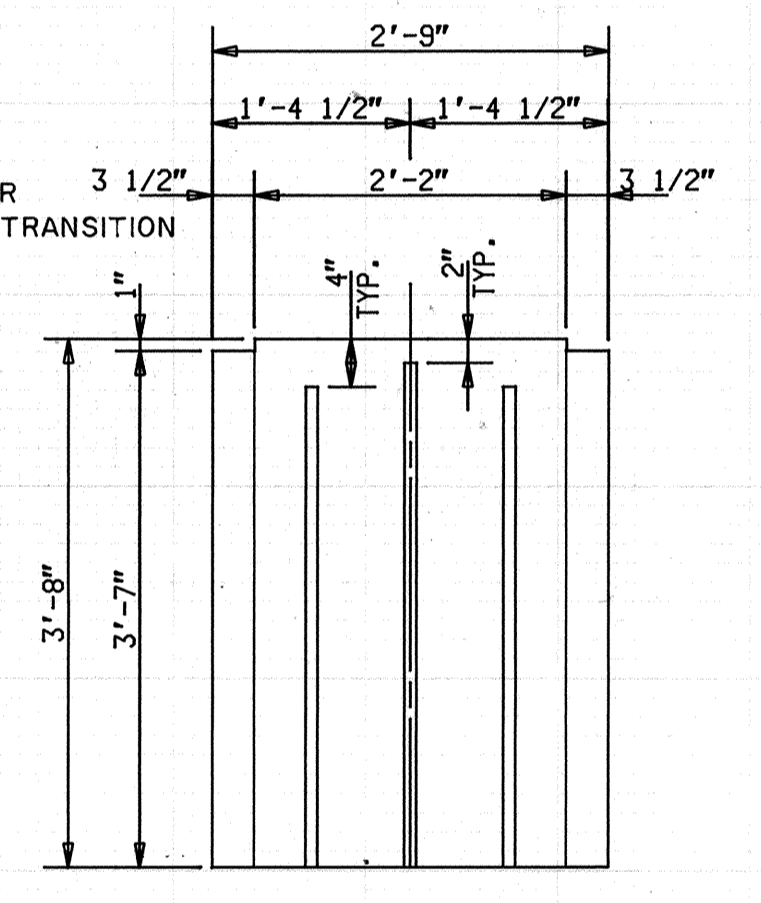
SPAN PILASTER DETAIL
SCALE: 3/4" = 1'-0"



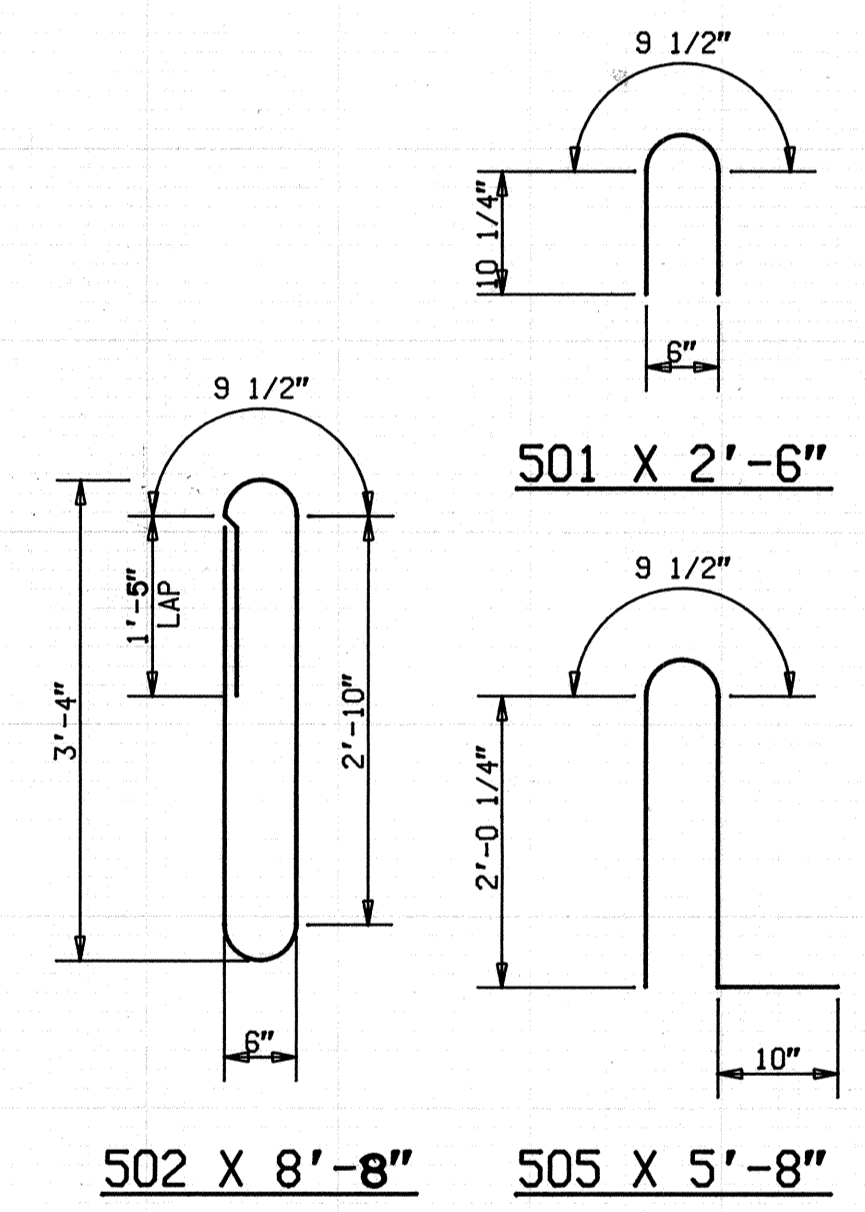
WINDOW DETAIL
SCALE: 3/4" = 1'-0"



SECTION THRU RAIL TRANSITION
SCALE: 3/4" = 1'-0"



EXTERIOR PILASTER DETAIL
SCALE: 3/4" = 1'-0"



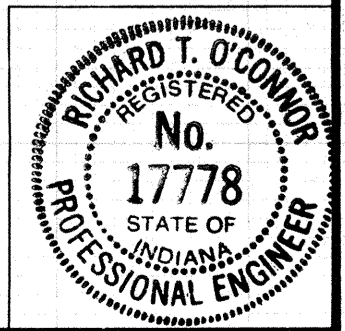
BILL OF MATERIALS

EPOXY COATED REINFORCING STEEL			
SIZE & MARK	NO. OF BARS	LENGTH	WEIGHT (LBS.)
501	396	2'-6"	
502	564	8'-8"	
505	182	5'-8"	
#5	6	40'-0"	
#5	40	32'-9"	
#5	6	26'-0"	
#5	6	17'-0"	
#5	12	15'-6"	
TOTAL # 5			9,286
TOTAL REINFORCING			9,286
MISCELLANEOUS (QTY.)			
RAILING CONCRETE, "C"			434 LFT.
SURFACE SEAL (ESTIMATED)			3,005 SFT.
FIELD DRILLED HOLES			792 EACH

NOTES:
FOR REINFORCING BAR NOTES, SEE BRIDGE STANDARD C1.
LAP LENGTHS SHOWN ARE MINIMUM LAP LENGTHS.
FOR GENERAL NOTES, SEE DRAWING D-1.
BARRIER RAIL TYPE C411 SHALL BE PAID FOR AS "RAILING, CONCRETE, C" IN LFT.

BARRIER RAIL TYPE C411 - DETAILS
INDIANA DEPARTMENT OF TRANSPORTATION

SCALE: AS NOTED DATE: November 7, 1991
SUBMITTED FOR APPROVAL: *Richard J. Connor*
DRAWING: D-5 OF D-5 SHEET: 6 OF 32
PROJECT: NH/65-3(245)III
BRIDGE CONTRACT NO. B-19752
BRIDGE FILE: I-65-111-5720A



DESIGNED	JET	CKD	
DRAWN	DRD	CKD	JET
TRACED		CKD	

SF-22317