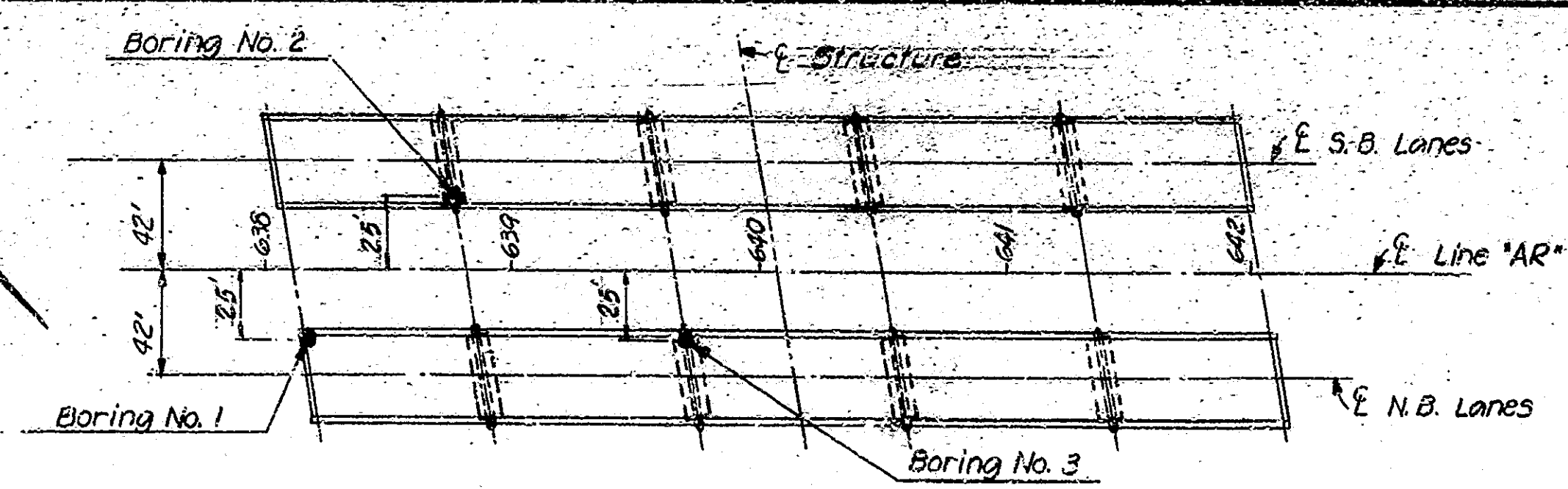


BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-65-6 (25) 175	1969	3	42



SOIL BORING PLAN
Scale: 1" = 50'-0"

BORING NO. 1 STA. 638 + 16 25' LT. OF LINE "AR"		BORING NO. 2 STA. 638 + 77 25' LT. OF LINE "AR"		BORING NO. 3 STA. 639 + 70 25' RT. OF LINE "AR"	
545					
540	Brown Silty Loam, Moist, Firm.	1 5	Brown Sandy Loam, Moist, Loose.	1 4	
		2 2		2 12	
535	Brown and Gray Fine to Medium Sand, Trace of Silt, Loose.	3 2	Brown Silty Loam, Moist, Tough.	3 9	
		4 2		4 3	
530	Brown Fine to Medium Sand, Trace of Large Gravel, Dense.	5 30	Brown and Gray Sandy Loam, Wet, Loose.	5 3	
		6 30		6 23	
525	Gray Clay Loam, Trace of Small Gravel, Moist, Very Tough.	7 28	(1)	7 25	
	Gray Clay Loam, Trace of Small Gravel, Moist, Very Hard.	8 *	Gray Clay Loam, Trace of Small Gravel, Moist, Very Tough.	8 24	
520				9 *	
515	* 99 Blows - 11" Penetration Note: Refusal at 21 Ft. Probably boulder.		Gray Clay Loam, Trace of Small Gravel, Moist, Very Hard.	9 *	
	Water Level at 24 Hours			10 18	
510					
505			(1) Gray Fine to Medium Sand, Trace of Gravel and Clay, Wet, Medium Dense.		
			* 99 Blows - 6" Penetration. ** 99 Blows - 9" Penetration. Note: Water Level at 24 Hours		
500					
495					
490					
485					
480					

BORING NO. 3 STA. 639 + 70 25' RT. OF LINE "AR"	
545	
540	
535	
530	Water
	Brown Fine to Coarse Sand & Small to Large Gravel, Saturated, Loose.
525	1 4
	Brown Sand Fine to Coarse Sand & Small to Large Gravel, Saturated, Loose.
	2 10
520	Brown Fine to Coarse Sand & Small to Medium Gravel, Saturated, Med. Dense.
	3 10
	4 11
515	Gray Clay Loam, a Trace of Small Gravel, Moist, Very Hard.
	5 11
510	
505	Gray Fine to Medium Sand, a Trace of Small to Medium Gravel & Silt, Saturated, Medium Dense.
	7 18
500	8 21
495	9 22
490	10 23
485	11 21
480	

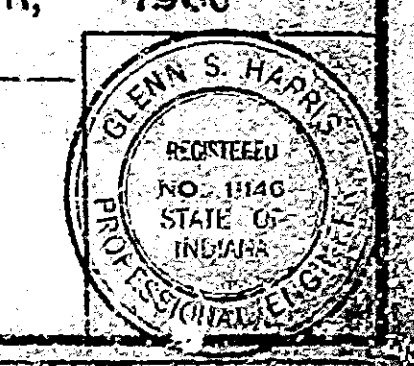
S = Sample Number.
N = Number of blows required
to drive a 2" o.d. Sample
Spoon 12" with a 140 #
Weight Falling 30."

BORINGS
INDIANA STATE HIGHWAY COMMISSION

SCALE: As Noted JULY 17, 1968

SUBMITTED FOR APPROVAL: *Glenn S. Harris*

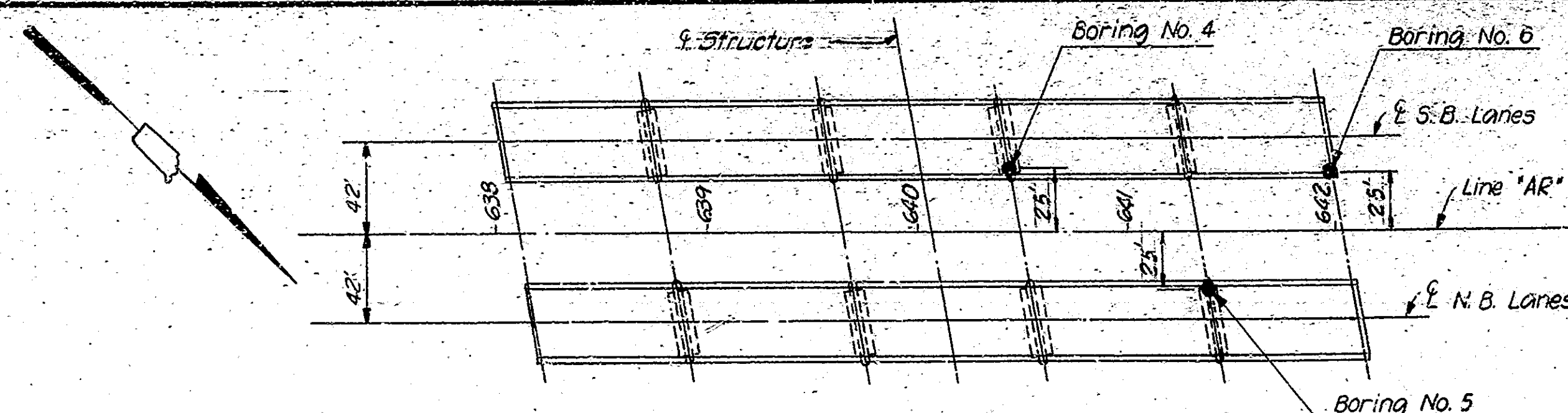
DRAWING: OF
PROJECT: 1-65-6 (25) 175
BRIDGE CONTRACT NO. B-7902
BRIDGE FILE: 1-65-175-55415



DESIGNED: CKD
DRAWN: MP 362 CKD HMC 3-68
TRACED: CKD

* Barge
** 99 Blows - 3" Penetration
*** 99 Blows - 10" Penetration
Note:
Artesian Pressures noted below 11' feet
Water Level at 0 Hours

BRIDGES OVER 20' SPAN					
PUB. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-65-6 125175	1969	4	42



BORING NO. 4 STA. 640+45 25' LT. OF LINE "AR"		BORING NO. 5 STA. 641+37 25' RT. OF LINE "AR"		BORING NO. 6 STA. 641+97 25' LT. OF LINE "AR"	
545					
540					
535					
530					
525					
520					
515					
510					
505					
500					
495					
490					

Note:
The Boring was carried to a depth of 50 Ft. Was unable to secure samples at 35, 40, 45 and 50 Ft. because sand and water flowed from the casing. Penetration values obtained at 20 and 25 Ft. may have been reduced by water pressure.

Water Level at 0 Hours

(1) Brown Loam, Moist, Medium Dense.

* 99 Blows = 6" Penetration.
* 99 Blows = 10" Penetration.

Note:
Water Level at 24 Hours

(1) Brown Sandy Clay Loam, Moist, Firm.

Note:
Sand backed up in casing at 15.0'

Water Level at 1 Hour

S = Sample Number.
N = Number blows required to drive a 2" o.d. sample spoon, 12" with a 140# weight falling 30".

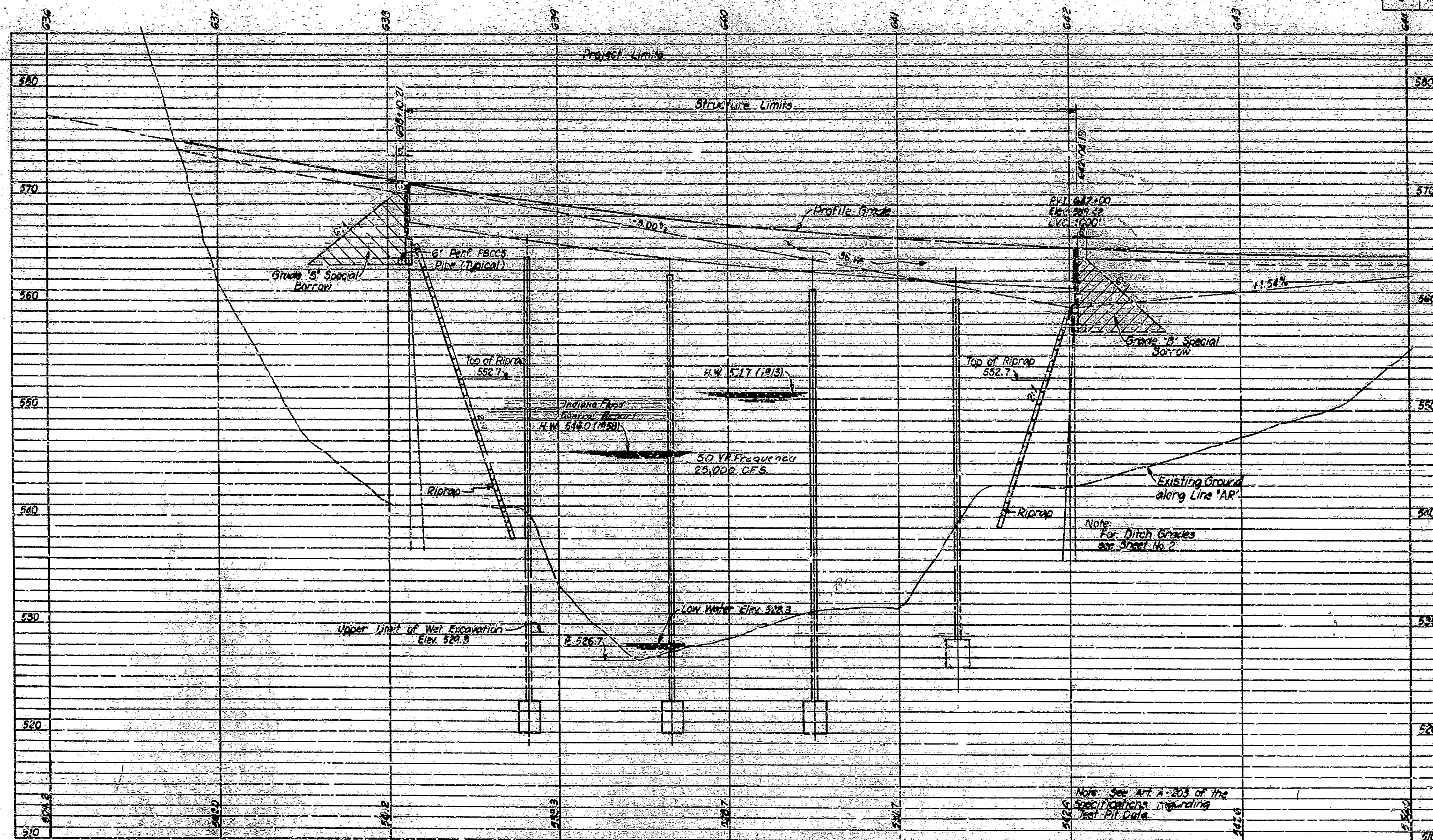
BORINGS
INDIANA STATE HIGHWAY COMMISSION

SCALE: As Noted
JULY 17, 1968
SUBMITTED FOR APPROVAL: *Allen S. Harris*
DRAWING OF
PROJECT: 1-65-6(25, 115)
BRIDGE CONTRACT NO. B-7902
BRIDGE FILE: 1-65-175-5541S



DESIGNED: C.K.D.
DRAWN: JAP 3-65 C.K.D. WMR-445
TRACED: C.K.D.

BRIDGE OVER 20 SPAN					
DATE	BY	PROJECT NO.	LOCAL NO.	STATE NO.	LOCAL NO.
1980	IND	165-6	175	1980	42



PROFILE ON SURVEY LINE (FAI 65)
 Scales: Horiz. 1"=30'-0", Vert. 1"=5'-0"

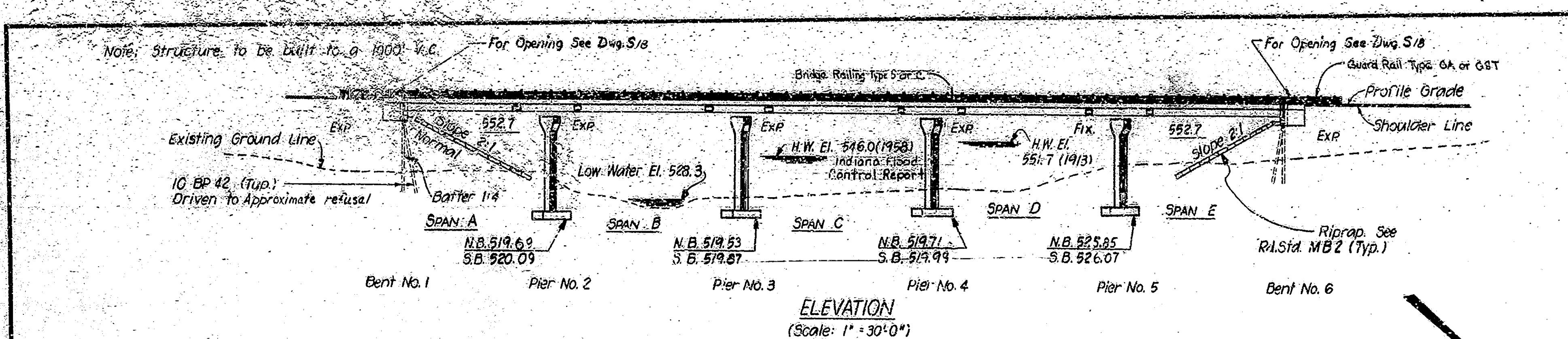
Field Book No. 1980

LAYOUT
 CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
 5 Spans: 67'-6", 85'-0", 85'-0", 85'-0", 67'-6" (Total 430'-0")
 40'-0" Roadway
 FAI 65 over Winnetka Creek
INDIANA STATE HIGHWAY COMMISSION
 TIPPICANOE COUNTY

SCALE: As Noted
 JULY 17, 1980
 SUBMITTED FOR APPROVAL: *Shirley L. Harris*
 DRAWING: 32 OF 20
 PROJECT: 165-6 (25) 175
 BRIDGE CONTRACT NO. 8-7902
 BRIDGE FILE: 165-175-55415

DESIGNED: JLM:RFB CND
 DRAWN: JLM:RFB CND
 TRACED: JLM:RFB CND





BRIDGES OVER 20' SPAN					
PROJ. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-65-6 (25)175	1969	7	48

GENERAL NOTES

No present structure at proposed bridge site.

Depth of Footings to be extended if found necessary. See Article B403.2 (a) of the Specifications.

Piles shall be driven to approximate refusal. Determine the pile lengths by Article F203 of the Specifications.

Reinforcing Steel covering shall be 1/4" in top and 1" minimum in bottom of Floor Slab, 3" in Footings except bottom steel which shall be 4", 1/2" for Stirrups and 2" in all other parts unless noted.

Concrete in Footings and Pier Stems to Construction Joints to be Class E.

Concrete in Superstructure, Pier Stems above Constr. Jt. and Bent Caps to be Class "F".

Concrete in Paved Side Ditches to be Class D.

Continuous concrete pours shall be required between construction joints as shown on detail plans.

Waterproof rear face of Mudwalls and Wingwalls in accordance with the Specifications.

Bevel forms 1/4" under Copings and chamfer exposed edges 1" unless noted.

36 Standard Type OS-D Roadway Drains to be placed as shown on this drawing.

Construct riprap at locations as shown on layout.

Tolerance in position of pile head maximum 2".

All railings to be constructed perpendicular to grade.

The Contractor shall prepare detailed working or shop drawings to enable him to fabricate, erect and construct all parts of the work in conformity with the Engineer's drawings and specifications and shall submit 5 copies of these to the Engineer. See Article E1103.2 of the Specifications.

The top of Caps and front faces of mudwalls at Bents No. 1 and No. 6 shall be sealed with two coats of Epoxy Resin. See Special Provisions.

See Special Provisions for items included in this contract.

For Pay Items covering this structure see "Bridge Summary".

Typical Cross Section for F.A. Interstate Projects

DESIGN DATA

Designed for HS20-44 Loading in accordance with 1965 AASHTO Specifications. Structure checked for two 24,000 # axles spaced at 4'-0" Dead Load includes 35 #/Sq. Ft. for future wearing surface.

GENERAL PLAN

CONTINUOUS COMPOSITE STEEL BEAM BRIDGE
5 Spans: 67'-6", 85'-0", 85'-0", 85'-0", 67'-6" Skew 10° Lt. 2'-3" Curbs
40'-0" Roadway I-65 over Wildcat Creek

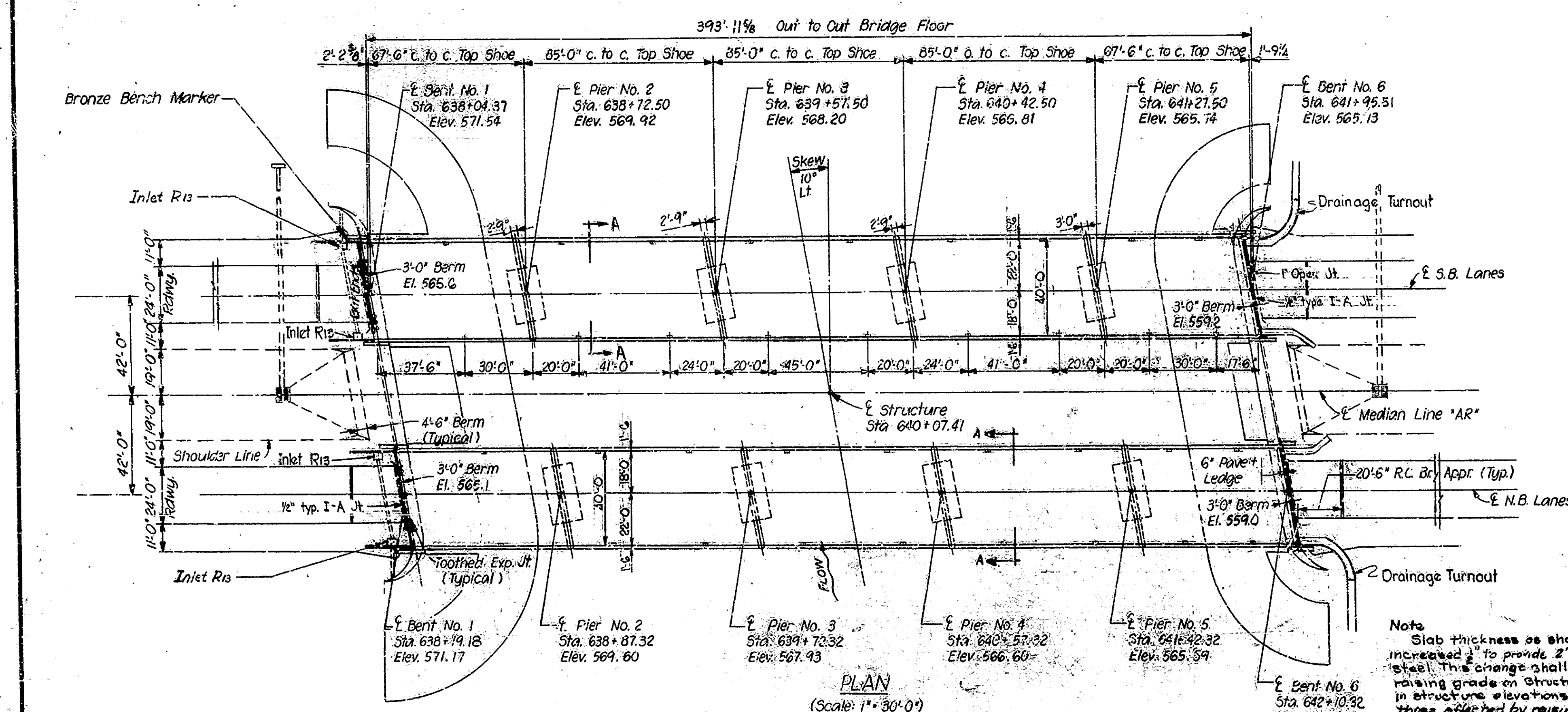
INDIANA STATE HIGHWAY COMMISSION
TIPPECANOE COUNTY

SCALE: As Noted

JULY 17, 1968

SUBMITTED FOR APPROVAL: *Glenn L. Harris*

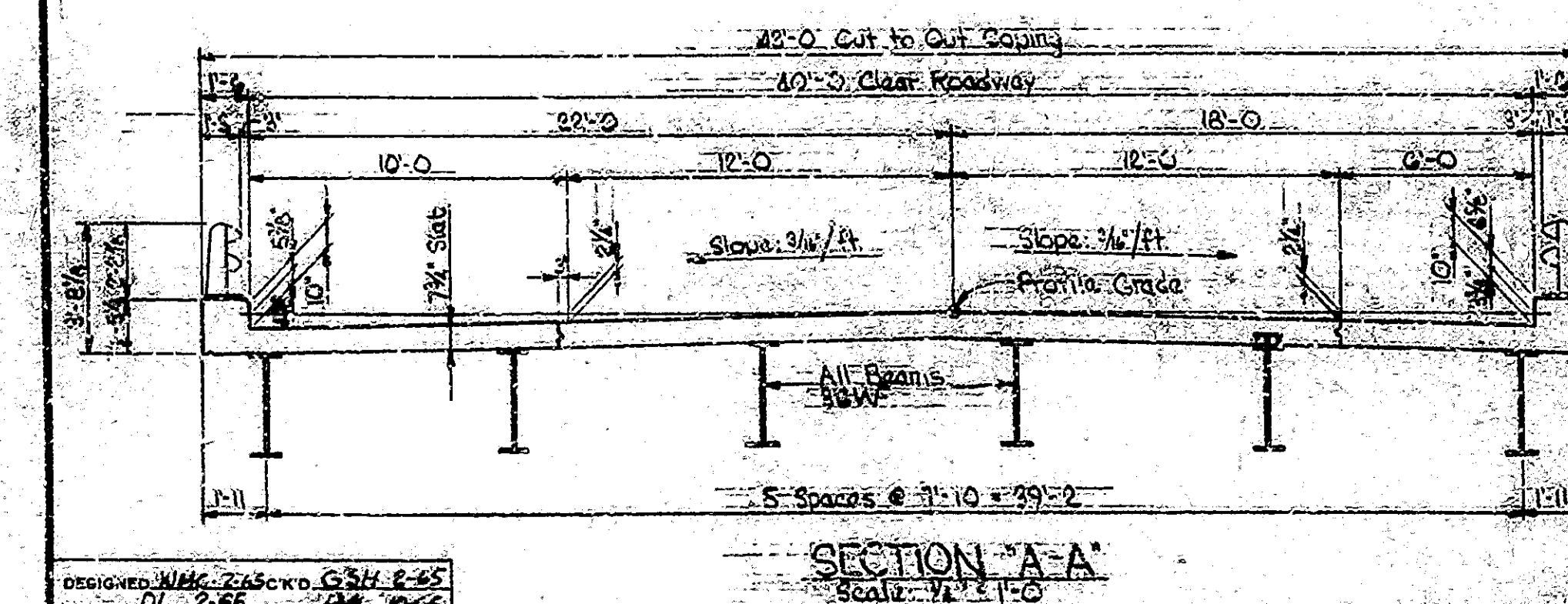
DRAWING: S3 OF 20
PROJECT: I-65-6 (25)175
BRIDGE CONTRACT NO. B-7902
BRIDGE FILE: I-65-175-5541S



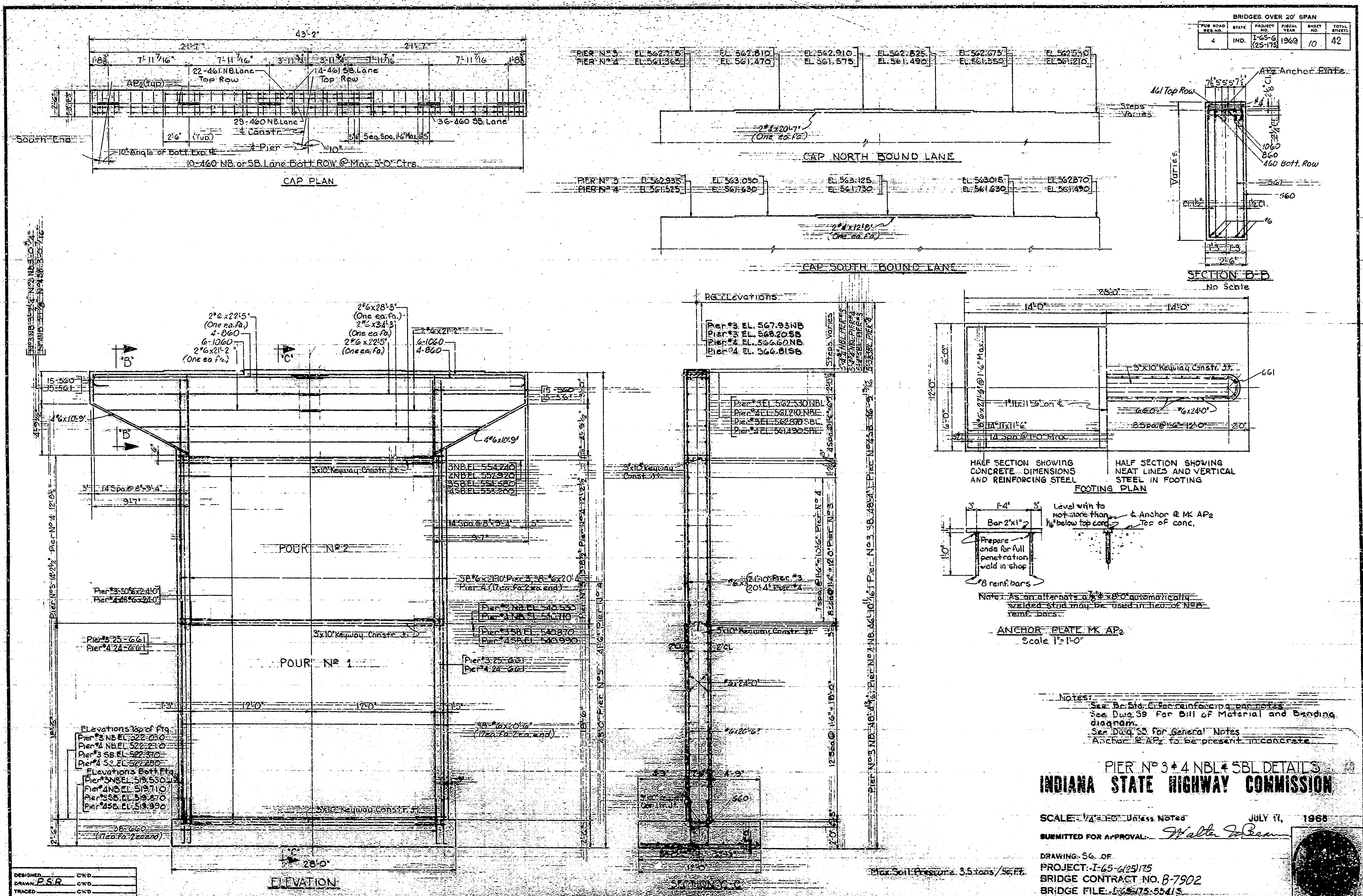
Note
Slab thickness as shown on plans to be increased 2" to provide 2" top cover on slab steel. This change shall be made by raising grade on structure. No change in structure elevations is required except those affected by raising floor surface, including coping and wingwalls. The approach grade to be warped to match bridge floor.
No revisions have been made in these plans for this change except concrete quantities which have been revised.

STANDARD DRAWING

Revised	By	For	Purpose
01			Reinforcing Bar Notes, Test Bar Samples, Bar Bending Details, Notes on Slab and end or Seams, Method of Sealing Steel H/Piles
02			Roadway Drainage "OS" D
03			Placing of Grade "B" Special Borrow, 6" Per. FRCOS Pipe
04			Paved Side Ditch
05			Riprap
06			Aluminum Bridge Railing
07			Aluminum Bridge Railing Details
08			Steel Bridge Railing
09			Steel Bridge Railing Details



DESIGNED: *Wm. Z. Aschold* C.S. 2-65
DRAWN: *D.L. 2-65* C.S. 2-65
CHECKED: *J.P. 7-65* C.S. 2-65



43'-0" Out to Out Coping
40'-0" Clear Roadway

11'-6"
11'-3"

3'-0"
3'-0"

22'-0"
12'-3"

18'-0"
12'-0"

6'-0"
3'-0"

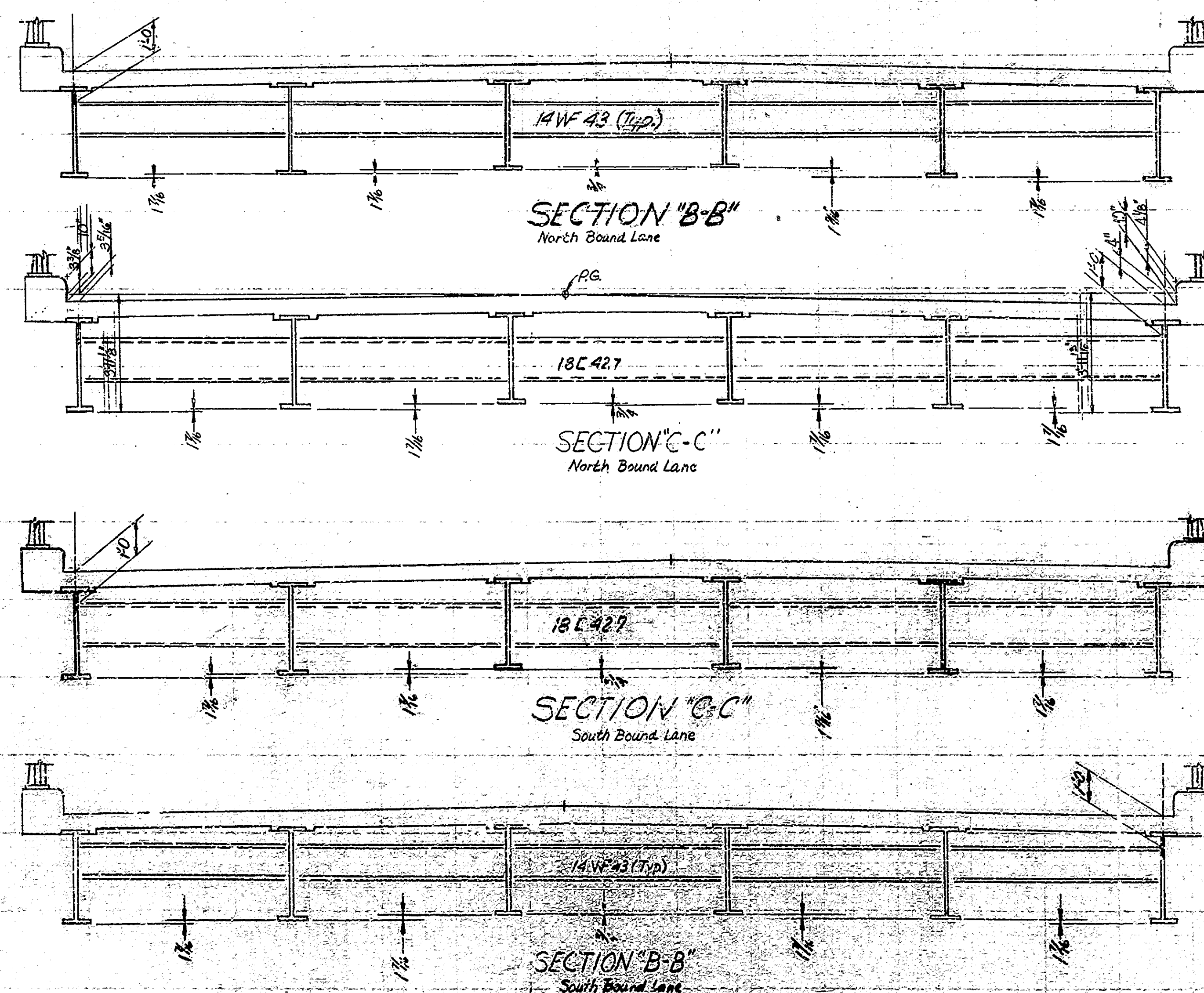
11'-6"
11'-3"

Screed Line
Slope 4 1/2" / 11"
Center Jt.
Profile Grade
Slope 4 1/2" / 11"
Screed Line

South Bound Lane
North Bound Lane
South Bound Lane
North Bound Lane

18W45 (Fy)
5 Spc. 8 2'-10" = 39'-2"

Aluminum Railing Type 5" or Steel Railing Type 3"
1" Channel (Typ)
Coping Form Line
South Bound Lane
North Bound Lane
Aluminum caulking compound of approved type of each post. See Special Provisions.
3/4" X 10'-4" Automatically Welded Stud Type Shear Connectors (Typ)



SUPERSTRUCTURE DETAILS
INDIANA STATE HIGHWAY COMMISSION

BRIDGE FILE: 7-65-175-55415

JULY 17, 1968

Walter C. Beam

Rev. 10-7-68 Notes, Reinf. Section A-A

November 6, 196

Rev 10-7-68 EJC C.K'D UN