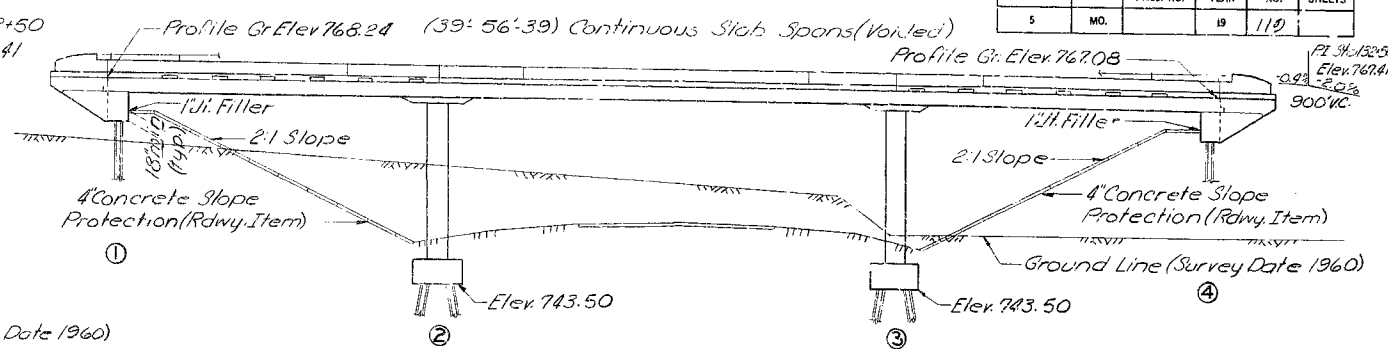
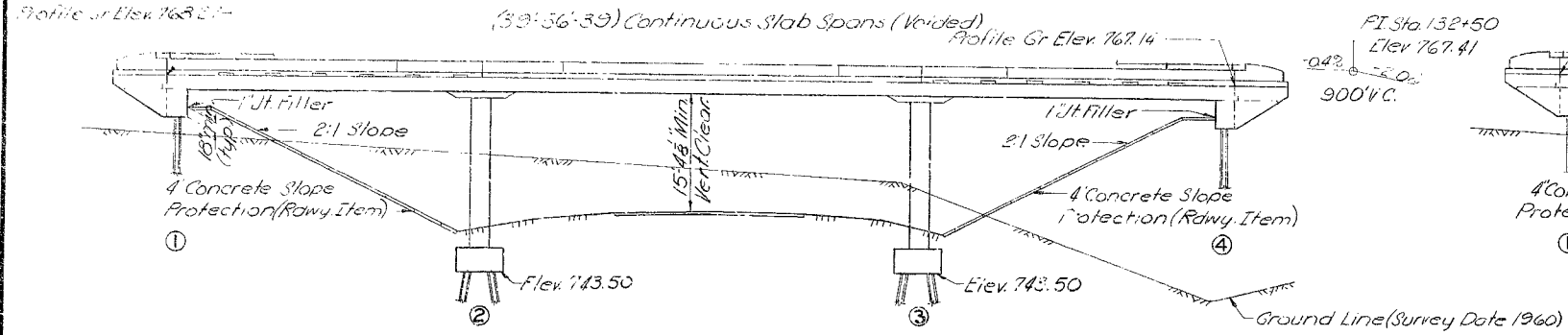


MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	119	



GENERAL ELEVATION LEFT LANE

GENERAL ELEVATION RIGHT LANE

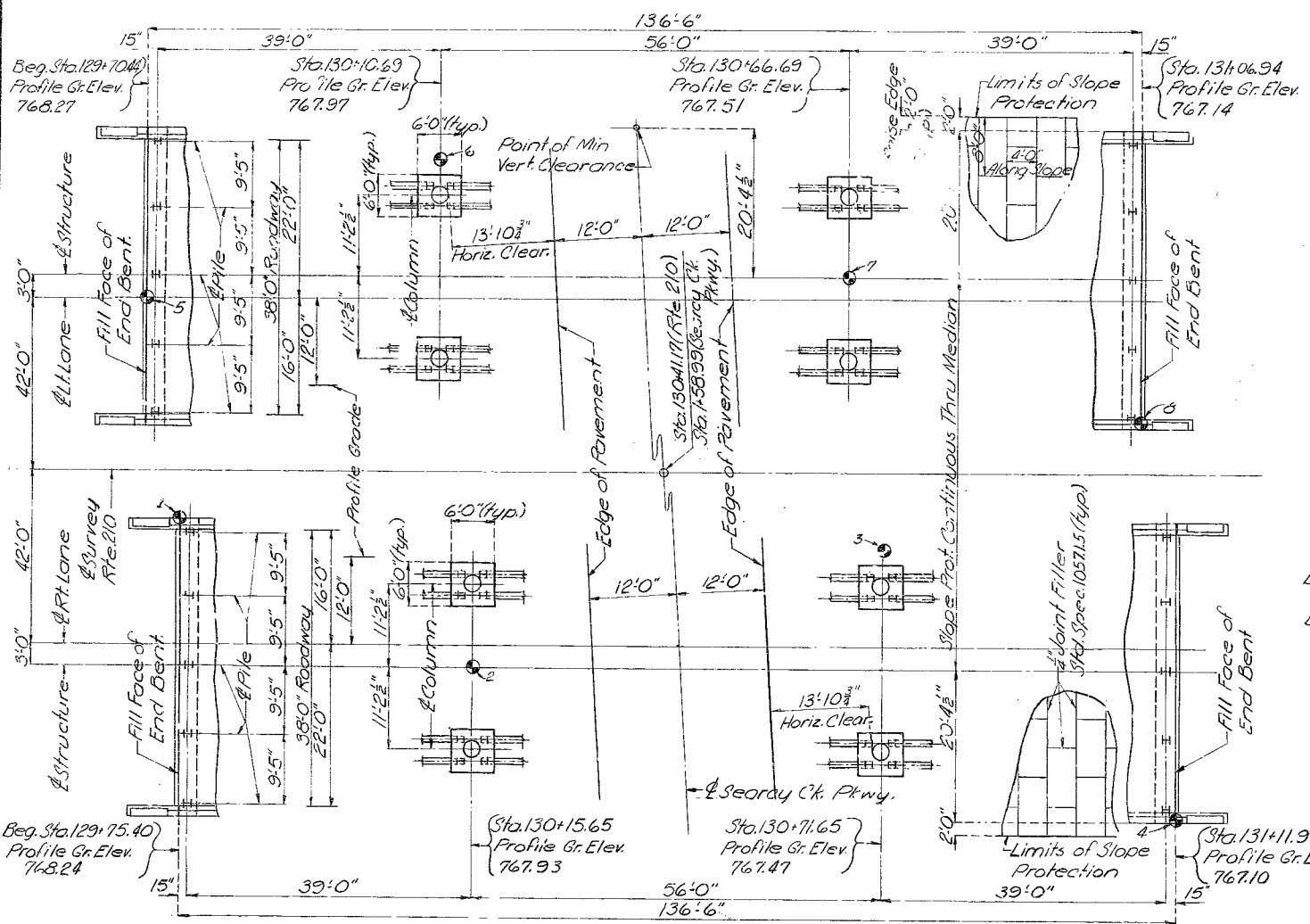
Note: Compacted roadway fill (full width of roadway) shall be placed up to elevation of bottom of concrete beam in front of and not less than 25'-0" in back of End Bents No. 1 & 4 both lanes before piles are driven.

GENERAL NOTES:
 Design Specifications: A.A.S.H.O. - 1965
 Design Loading:
 HS 20-44 15' sq. ft. Future Wearing Surface
 Earth 120' Equivalent Fluid Pressure 30'
 Design Unit Stresses:

BENT NO.	Left Lane				Right Lane			
	1	2	3	4	1	2	3	4
Pile Type and Size	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2
Number	5	8	8	5	5	8	8	5
Approximate Length Ft.	47'	35'	35'	46'	32'	36'	36'	42'
Design Bearing Tons	37	55	55	37	37	55	55	37
Hammer Energy required Ft. Lbs.	8,300	13,200	13,200	8,300	8,300	13,200	13,200	8,300

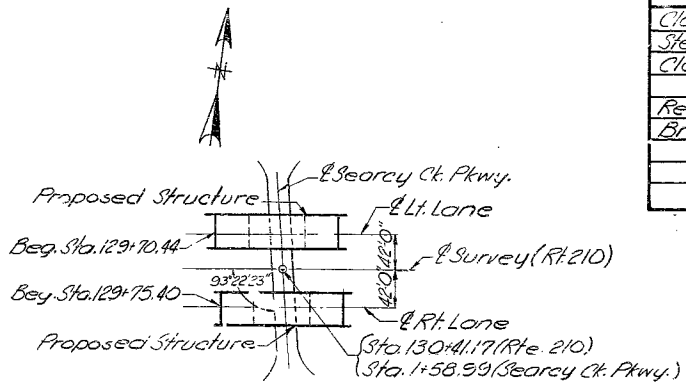
Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by the factor (W+w)/W when the weight of the ram (W) is less than the weight of the pile (w).
 All piles shall be driven to practical refusal.

Class B1 Concrete (superstructure) $f_c = 1,600$ psi
 Reinforcing Steel $f_s = 20,000$ psi
 Steel Pile $f_b = 9,000$ psi
 Protective Coating for vertical surface of Rdwy. Slab. See Special Provisions



PLAN

Note: For Boring Data see sheet No. 2 of 3.
 * Indicates location of boring.



LOCATION SKETCH

ITEM	ESTIMATED QUANTITIES		
	SUBSTR.	SUPERSTR.	TOTAL
Class I Excavation for Structures Cu. Yd.	120		120
Steel Piles in Place (10") Lin. Ft.	2123		2123
Class B1 Concrete Cu. Yd.		790.8	790.8
Reinforcing Steel Lbs.		190170	190170
Bridge Rail (One Tube Type) Lin. Ft.		556	556

B.M. #8 Elev. 760.06 on S.M. Cor. W. Bridge Abutment 130' Rt. Sta. 115+95.

BRIDGE OVER SEARCY CREEK PARKWAY

STATE ROAD: ROUTE 210
 IN KANSAS CITY
 PROJECT NO. C024-210(1U) (RTE. 210) STA. 129+70.44 - LEFT LANE
 STA. 129+75.40 - RIGHT LANE

CLAY COUNTY

DESIGNED BY: W.A. Conroy DATE: 3-5-69
 BRIDGE ENGINEER
 APPROVED BY: M.J. Swider DATE: 3-5-69
 CHIEF ENGINEER

DESIGNED MAY 1968 BY MIZANI
 DETAILED NOV. 1968 BY P.Y.M.E.
 CHECKED Jan 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 8

STD. 706.30
 A-2181

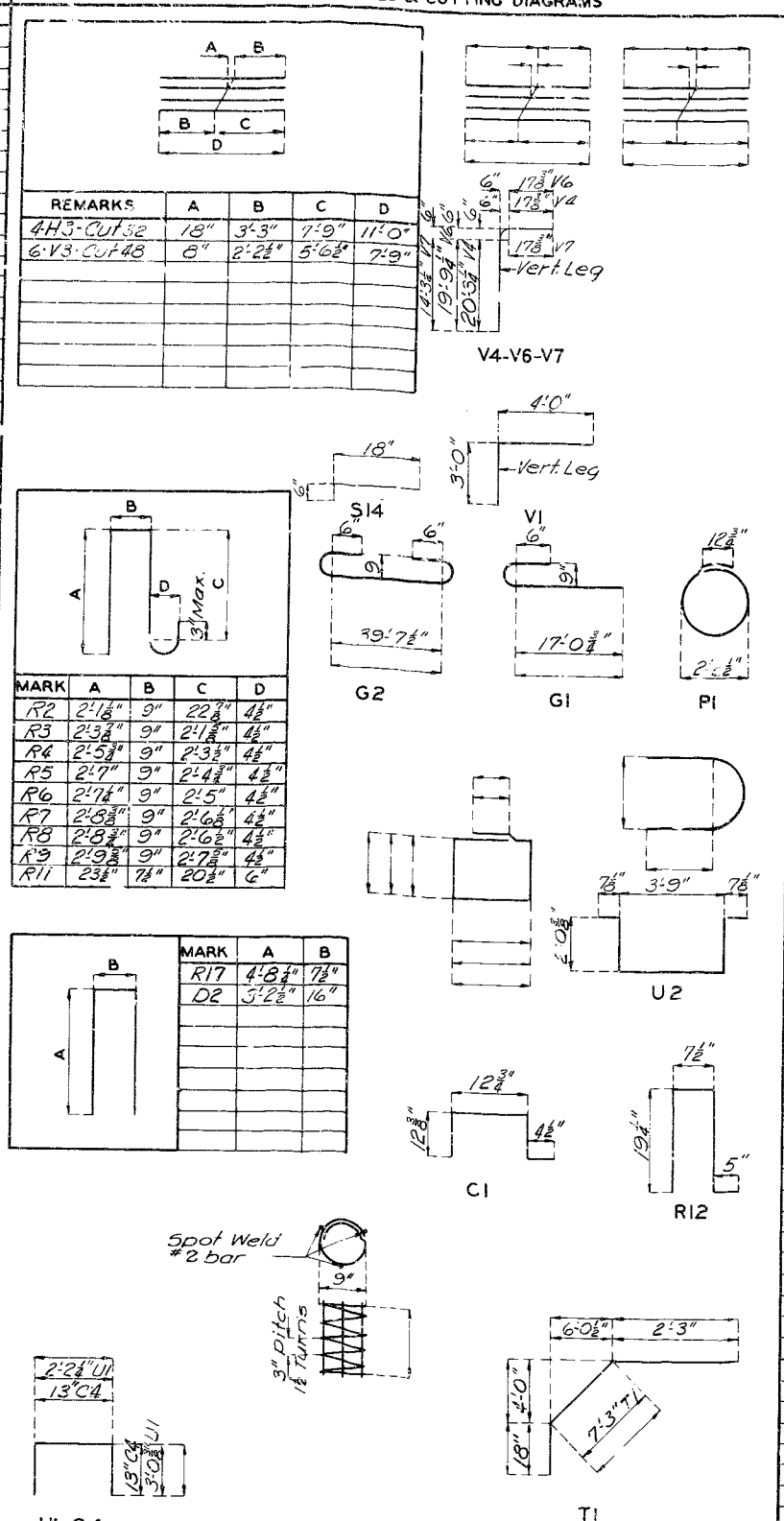
214

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	120	

COMPLETE BILL OF REINFORCING STEEL

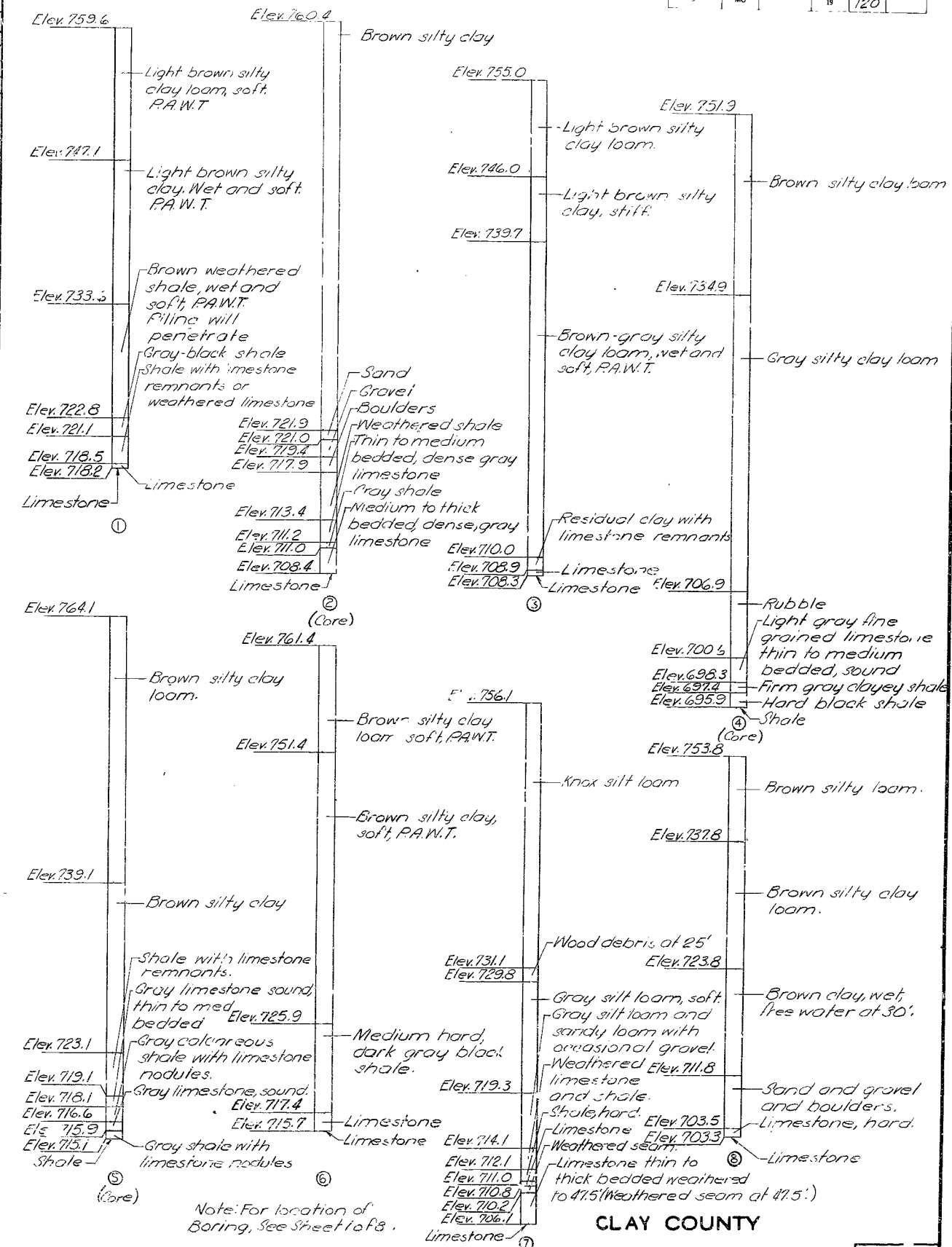
NO.	SIZE	LENGTH	MARK	LOCATION
Superstructure				
545	#5	3'-6"	C1	Curb
16	#6	40'-0"	C2	"
16	#5	28'-6"	C3	"
56	#5	3'-3"	C4	"
16	#6	6'-9"	C5	"
16	#5	4'-9"	R1	End Post
8	#5	3'-6"	R2	"
8	#5	6'-0"	R3	"
8	#5	6'-3"	R4	"
8	#5	6'-6"	R5	"
8	#5	6'-6"	R6	"
8	#5	6'-9"	R7	"
8	#5	6'-9"	R8	"
16	#5	7'-0"	R9	"
32	#5	3'-0"	R10	Parapet
564	#5	5'-3"	R11	"
48	#5	4'-3"	R12	"
32	#5	29'-0"	R13	"
32	#5	10'-9"	R14	"
32	#5	10'-3"	R5	"
16	#5	34'-9"	R16	"
32	#5	10'-0"	R17	End Post
Substructure				
64	#5	2'-6"	D1	Footing
64	#6	7'-9"	D2	"
4	#4	20'-9"	S13	Appro. Hch.
100	#4	2'-0"	S14	"
8	#6	11'-0"	T1	Wing
160	#5	8'-3"	U1	Beam
108	#6	7'-0"	V1	Slab
8	#4	5'-9"	V2	Wing
24	#4	7'-9"	V3	"
24	#6	40'-6"	H1	Beam
8	#6	6'-9"	H2	Wing
16	#6	11'-0"	H3	"
Superst. End Bl. #3 (Both Lanes)				
32	#11	18'-9"	G1	Beam
16	#11	43'-0"	G2	"
24	#11	40'-0"	G3	"
Superst. End Bl. #4 (Both Lanes)				
24	#6	40'-6"	H1	Beam
8	#6	6'-9"	H2	Wing
16	#6	11'-0"	H3	"
Superst. Int. Bl. #2 (Both Lanes)				
32	#11	18'-9"	G1	Beam
16	#11	43'-0"	G2	"
24	#11	40'-0"	G3	"
76	#3	8'-0"	P1	Column
32	#10	22'-6"	V4	Column
32	#10	16'-6"	V7	"
244	#5	9'-0"	U2	Beam
Superst. Int. Bl. #1 (Both Lanes)				
32	#11	18'-9"	G1	Beam
16	#11	43'-0"	G2	"
24	#11	40'-0"	G3	"
76	#3	8'-0"	P1	Column
32	#10	22'-6"	V4	Column
32	#10	16'-6"	V7	"
244	#5	9'-0"	U2	Beam



REMARKS	A	B	C	D
4H3-Cut 32	18"	3'-3"	7'-9"	11'-0"
6V3-Cut 48	8"	2'-2 1/2"	5'-6 1/2"	7'-9"

MARK	A	B	C	D
R2	2'-1 1/2"	9"	22 7/8"	4 1/2"
R3	2'-3 1/2"	9"	21 1/2"	4 1/2"
R4	2'-5 1/2"	9"	2'-3 1/2"	4 1/2"
R5	2'-7 1/2"	9"	2'-4 1/2"	4 1/2"
R6	2'-9 1/2"	9"	2'-5 1/2"	4 1/2"
R7	2'-11 1/2"	9"	2'-6 1/2"	4 1/2"
R8	2'-13 1/2"	9"	2'-7 1/2"	4 1/2"
R9	2'-15 1/2"	9"	2'-8 1/2"	4 1/2"
R11	23 1/2"	7 1/2"	20 1/2"	6"

MARK	A	B
R17	4'-8 1/2"	7 1/2"
D2	3'-2 1/2"	16"



215

REVISED NOV 1967
JUNE 1961

DETAILED Nov 1968 BY Payne
CHECKED Jan 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 8

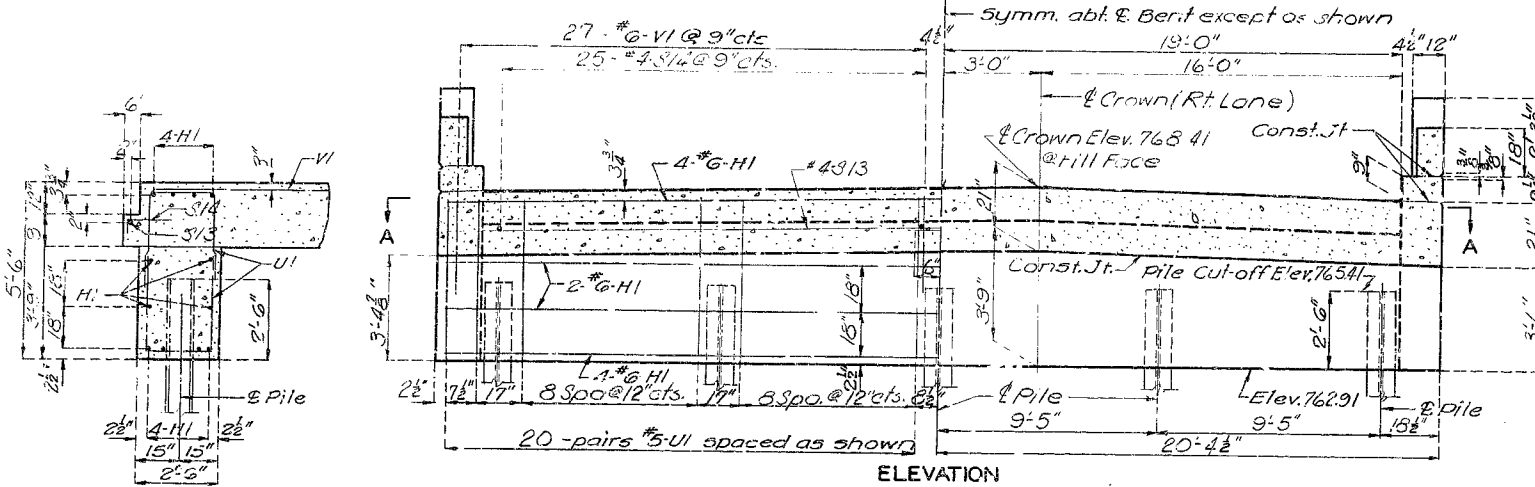
BORING DATA

CLAY COUNTY

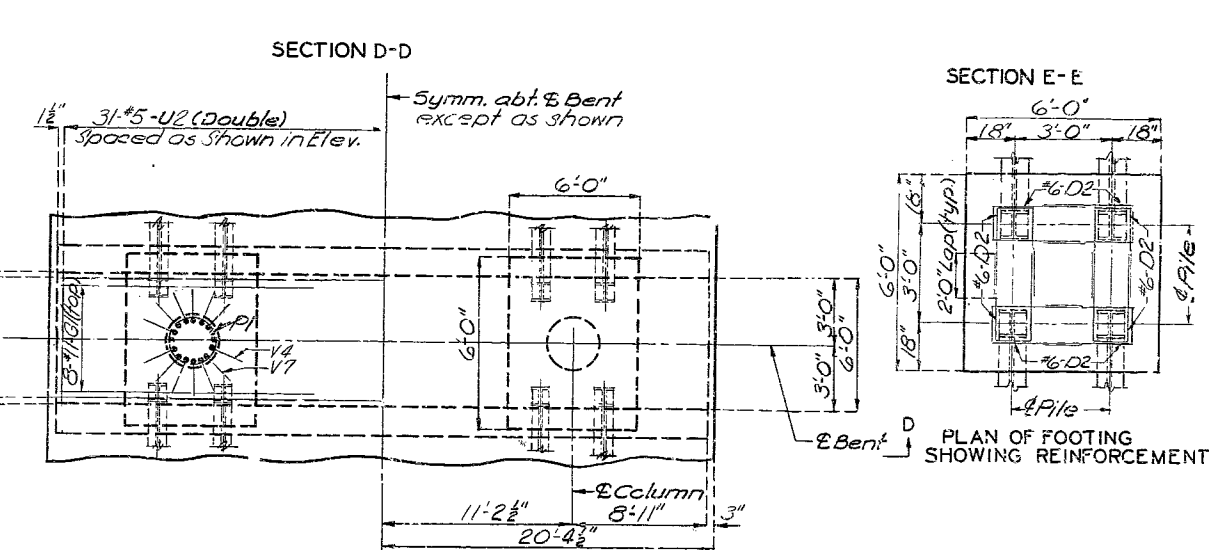
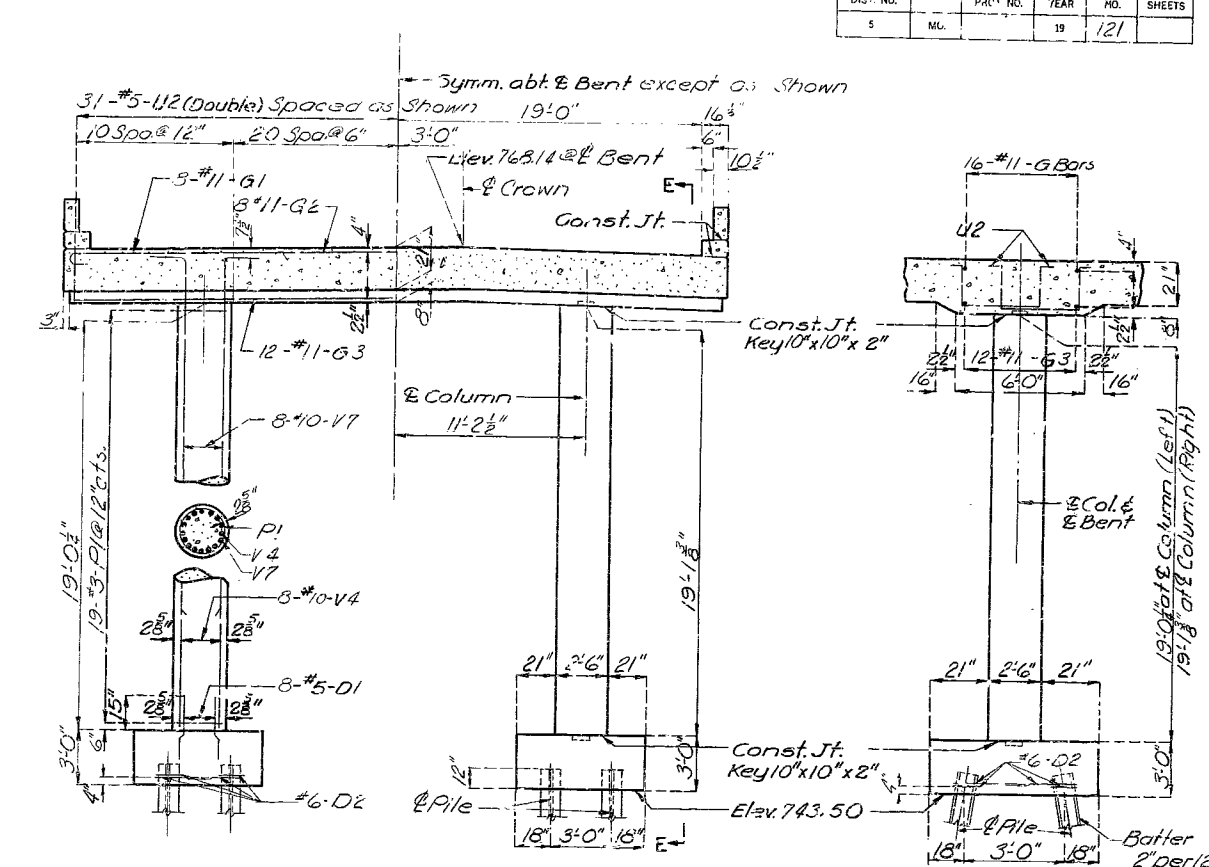
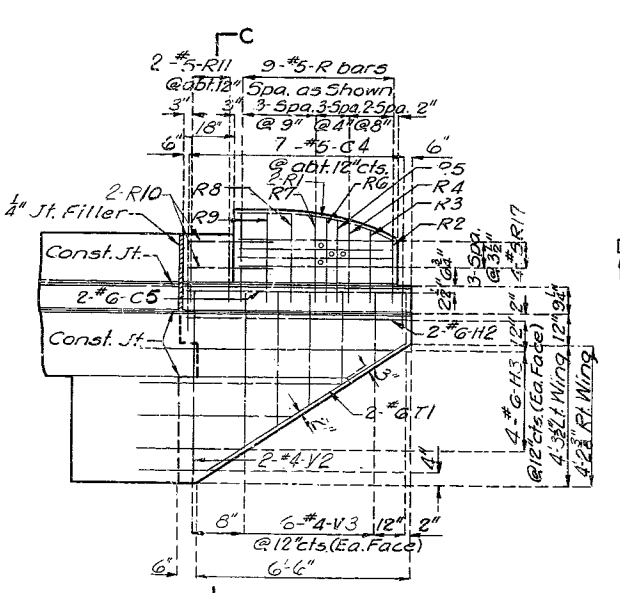
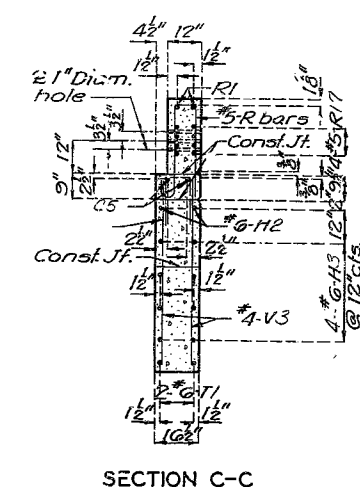
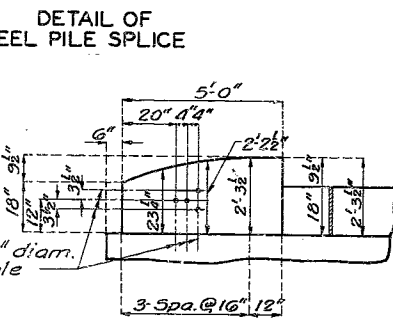
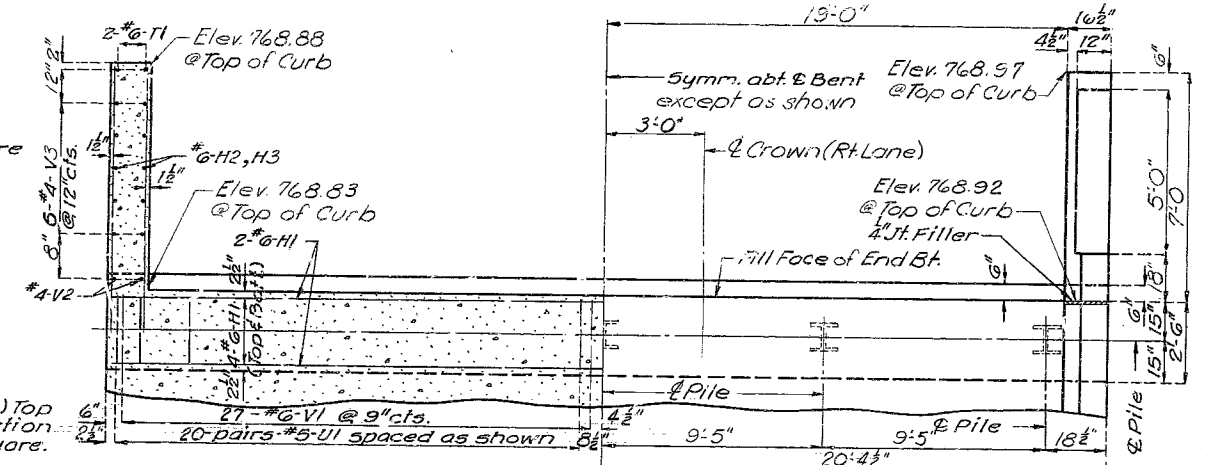
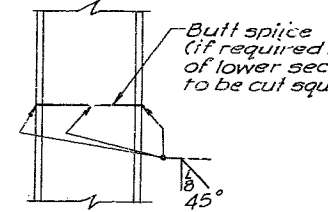
A-2181

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	121	

MISSOURI STATE HIGHWAY DEPARTMENT



SECTION AT E
 Note: Fill at End Bent No. 1 shall not be carried above bottom of beam and wings until adjacent superstructure span is in place.



PLAN
 DETAILS OF INT. BENT NO. 2 LEFT LANE

DETAILS OF END BENT NO. 1 RIGHT LANE

CLAY COUNTY

Note: This drawing is not to scale. Follow dimensions.

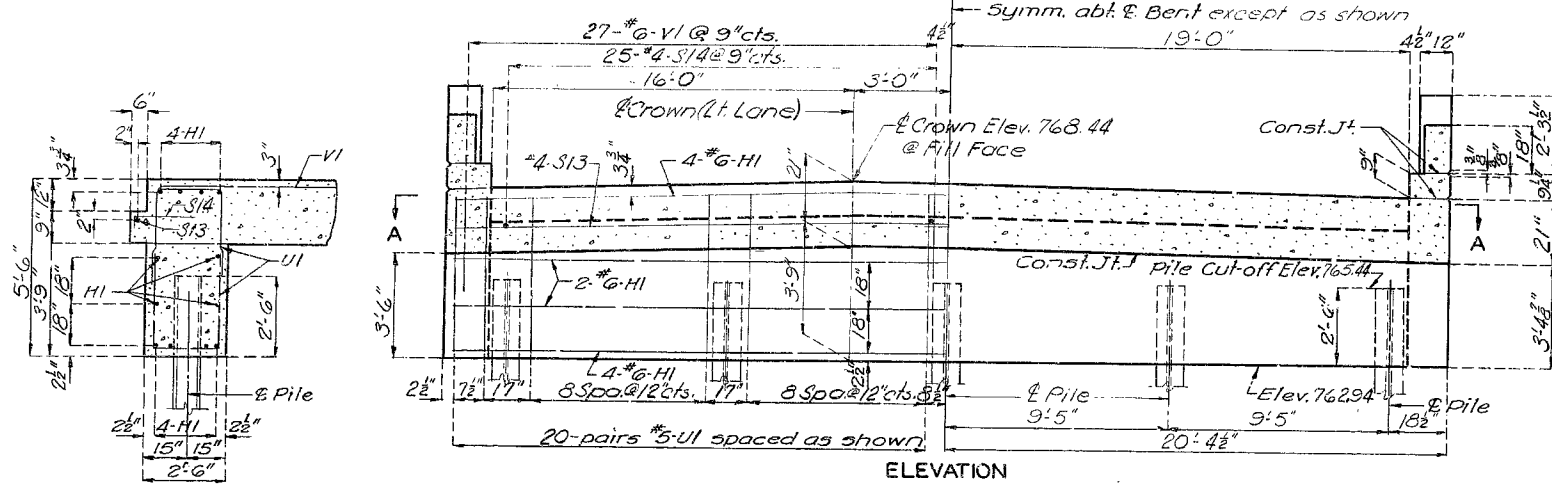
216

SPS
REVISED
STD.

DETAILED Nov 1968 BY Payne
 CHECKED Jan 1969 BY Johnson

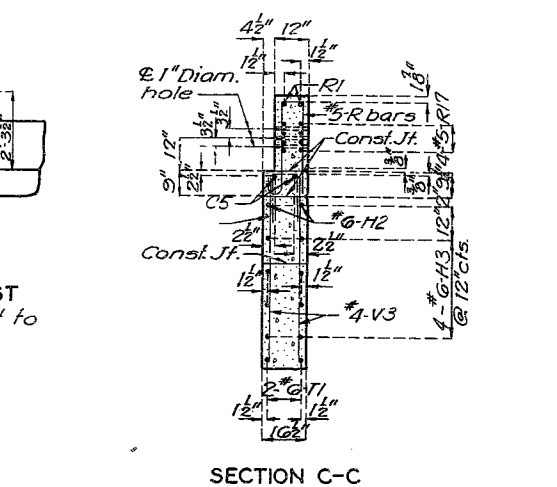
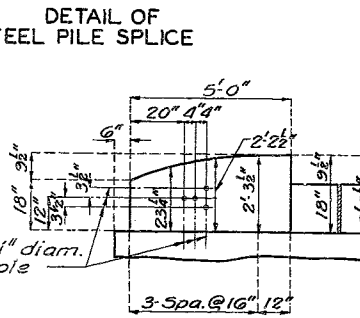
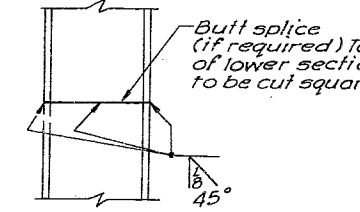
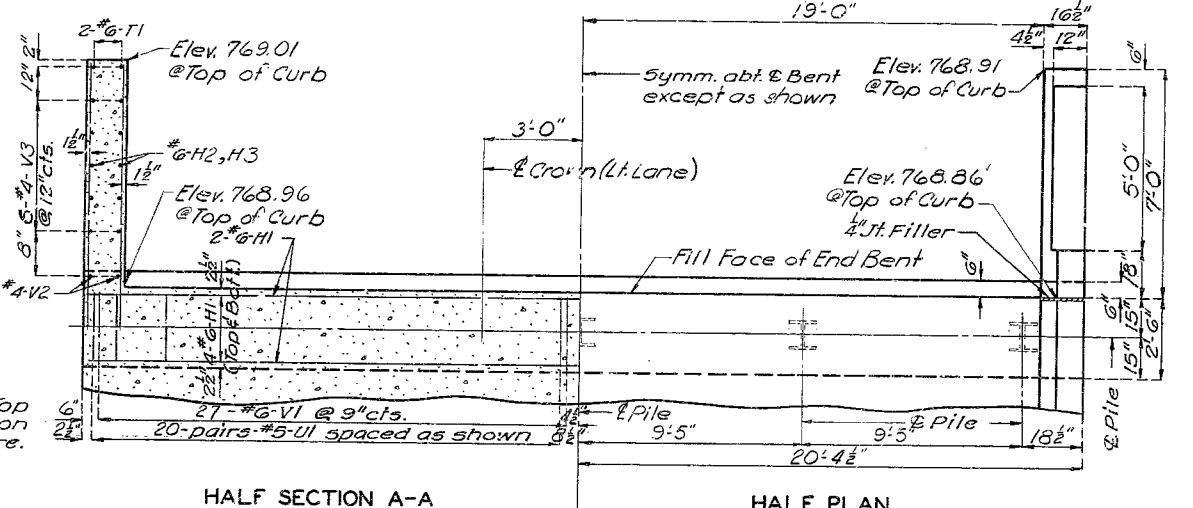
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	122	

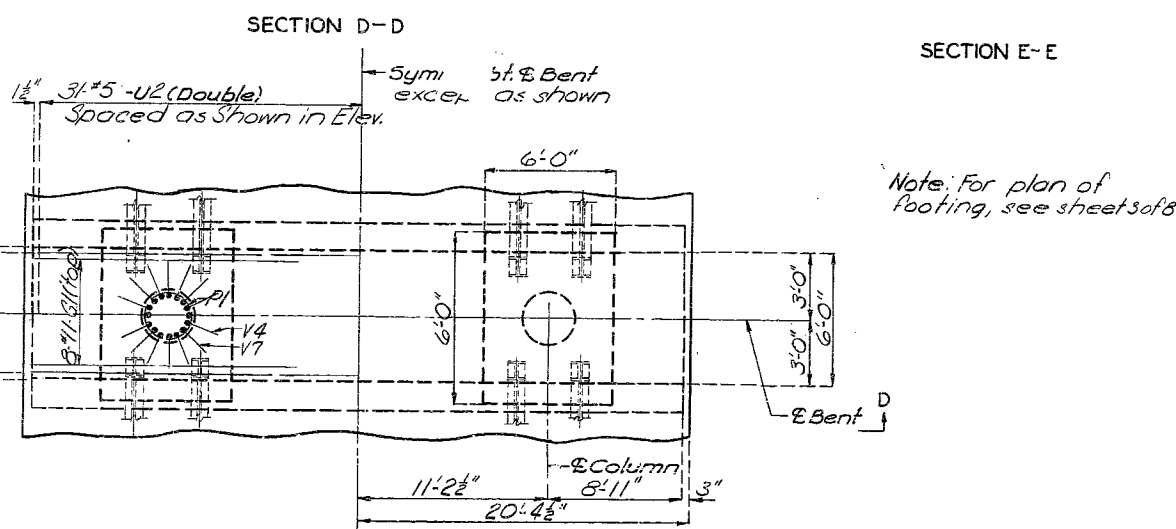
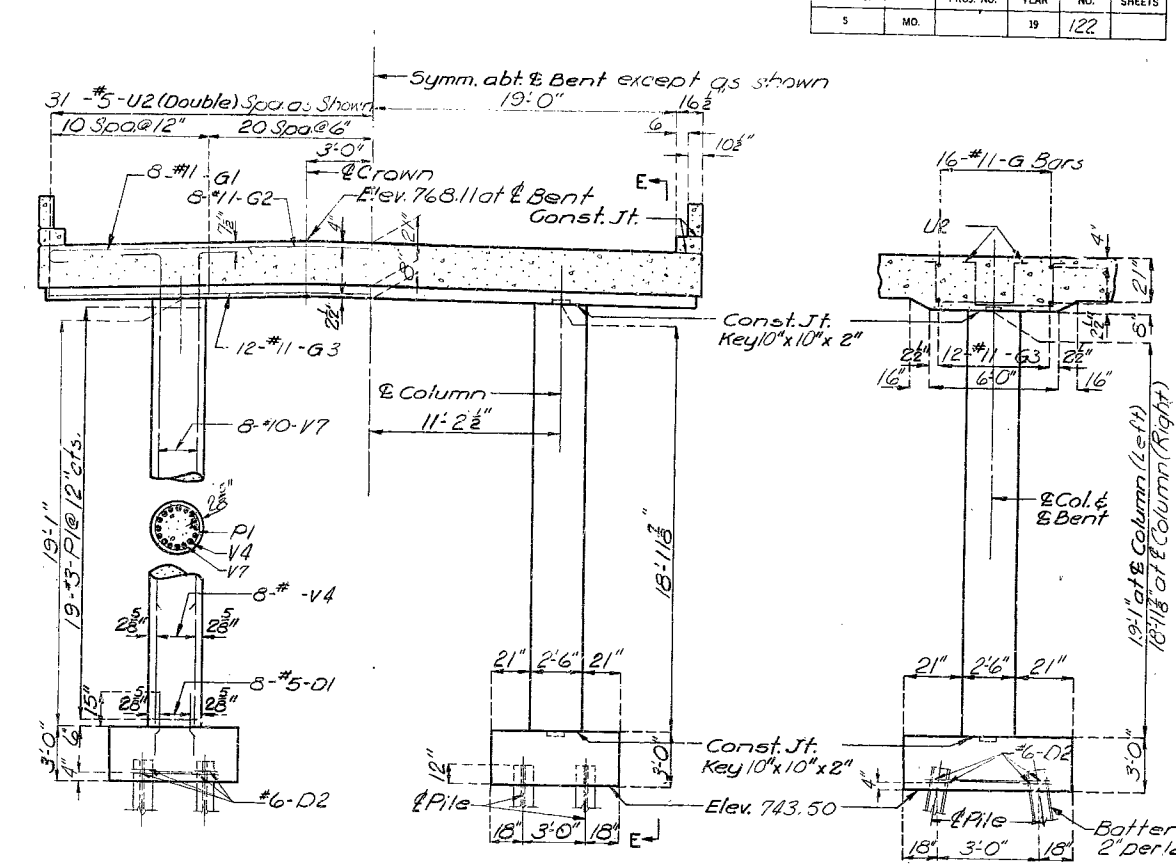
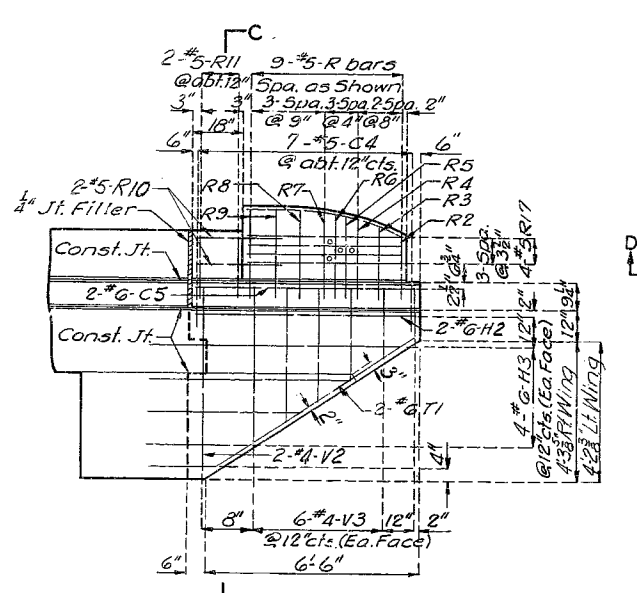


SECTION A-A @ CROWN

Note: Fill of End Bent No.1 shall not be carried above bottom of beam and wings until adjacent superstructure span is in place.



DETAILS OF END BENT NO.1 LEFT LANE



DETAILS OF INT. BENT NO.2 RIGHT LANE

Note: For plan of footing, see sheet 508.

CLAY COUNTY

217

SPS
REVISED
STD.

DETAILED Nov. 1968 BY Payne
CHECKED Jan. 1969 BY Johnson

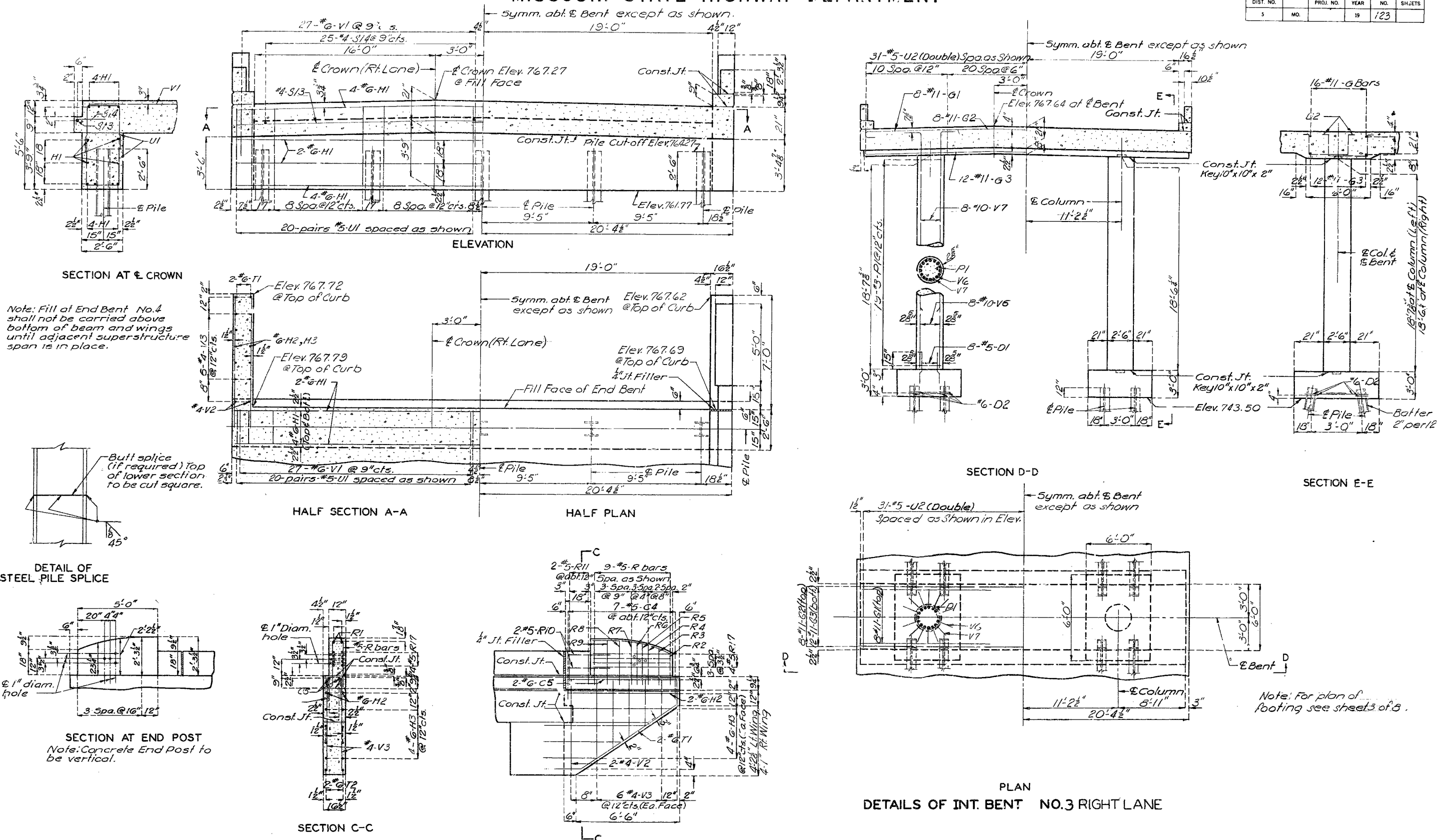
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 8

A-2181

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	123	

MISSOURI STATE HIGHWAY DEPARTMENT



STANDARD
REVISIONS
REVISOR
DATE

DETAILED Nov 1968 BY Payne
CHECKED Jan 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 5 of 5

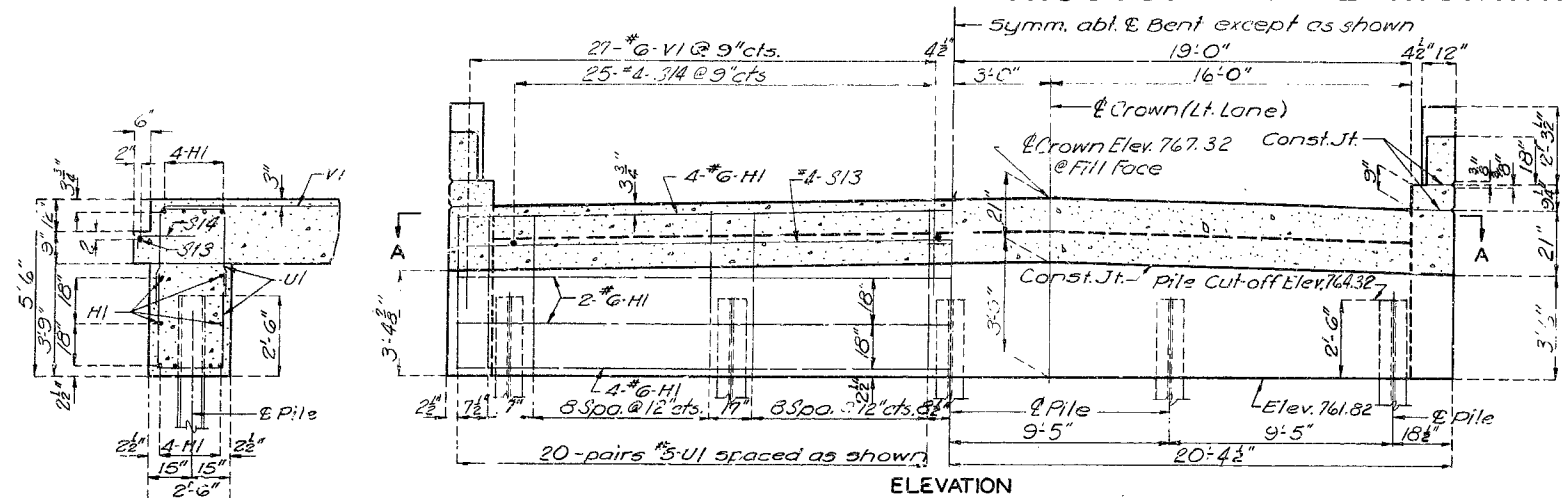
CLAY COUNTY

A-2181

218

MISSOURI STATE HIGHWAY DEPARTMENT

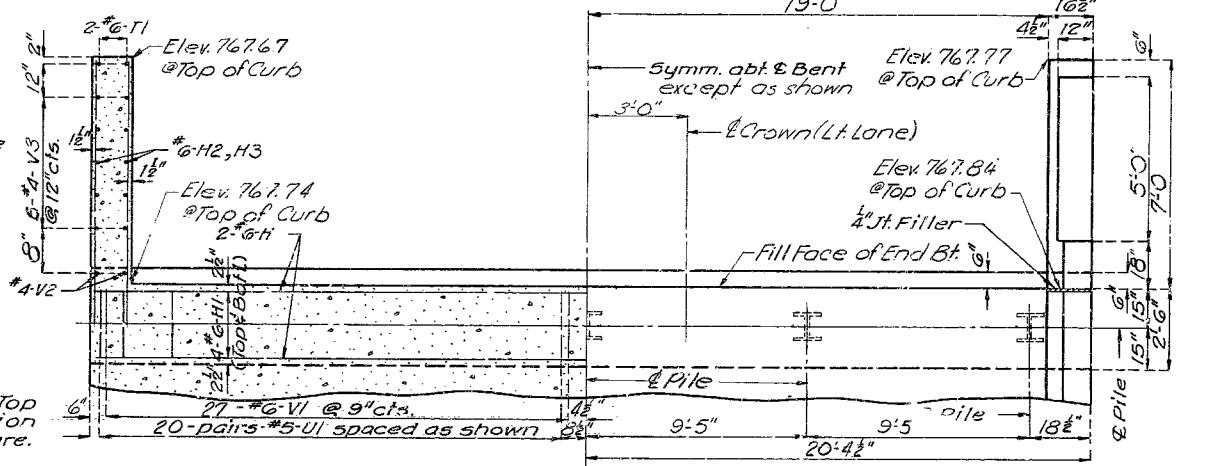
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	124	



ELEVATION

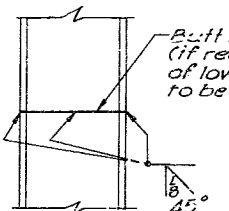
SECTION AT & CROWN

Note: Fill at End Bent No.4 shall not be carried above bottom of beam and wings until adjacent structure is in place.

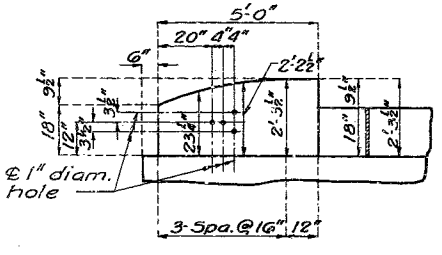


HALF SECTION A-A

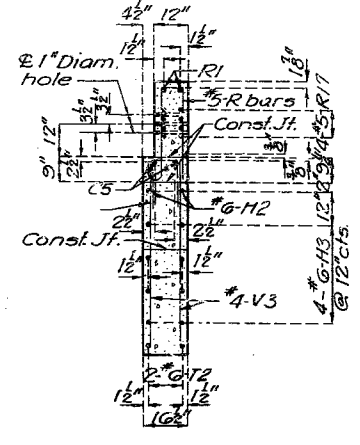
HALF PLAN



DETAIL OF STEEL PILE SPLICE

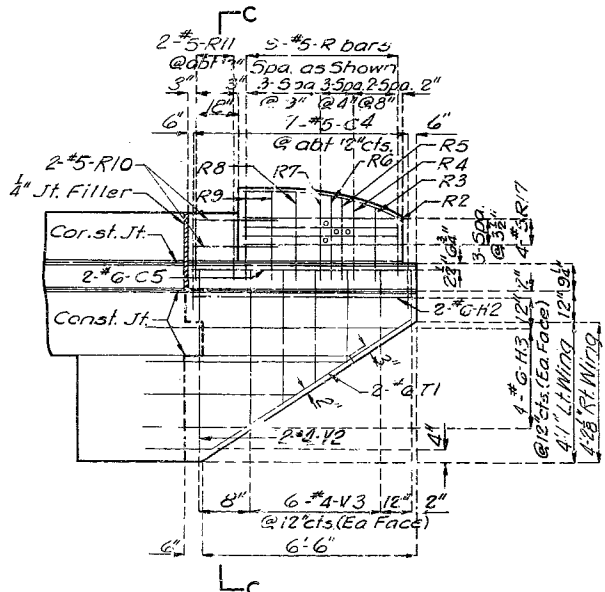


SECTION END POST
Note: Concrete End Post to be vertical.

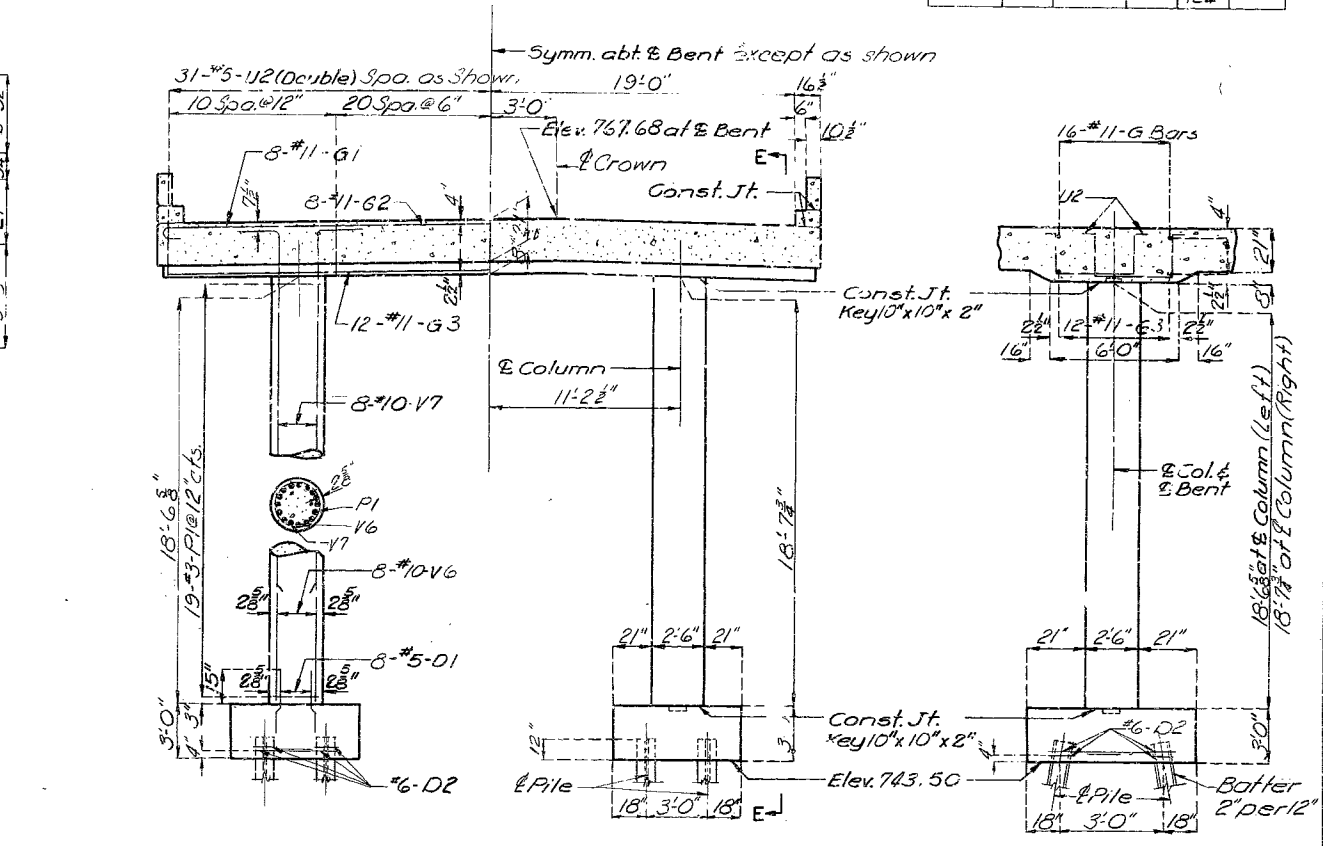


SECTION C-C

DETAILS OF END BENT NO. 4 LEFT LANE

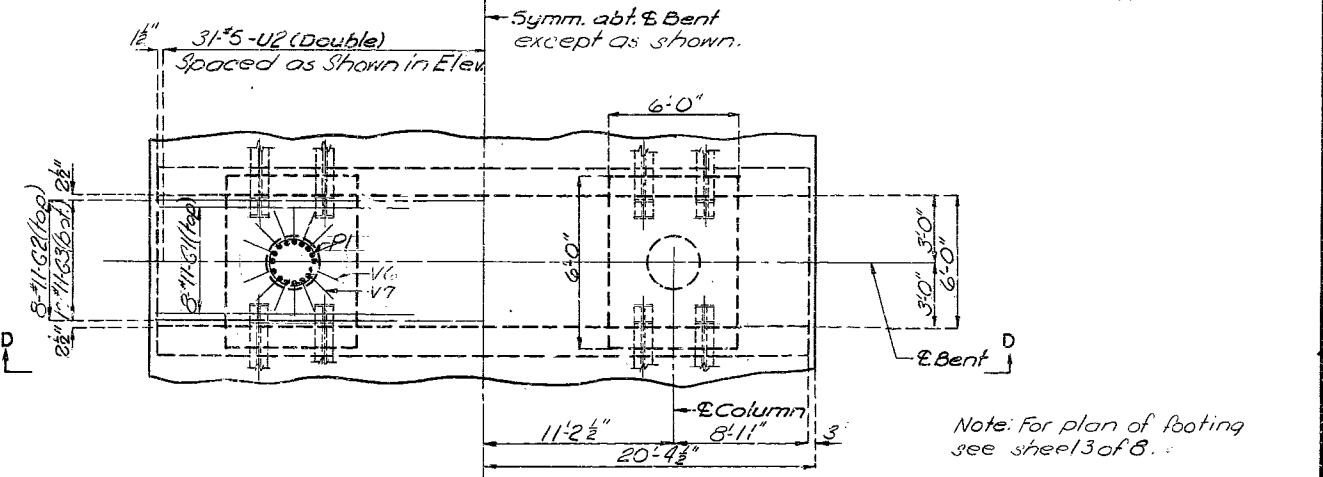


ELEVATION OF WING



SECTION D-D

SECTION E-E



PLAN
DETAILS OF INT. BENT NO. 3 LEFT LANE

Note: For plan of footing see sheet 13 of 8.

CLAY COUNTY

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 8

A-2181

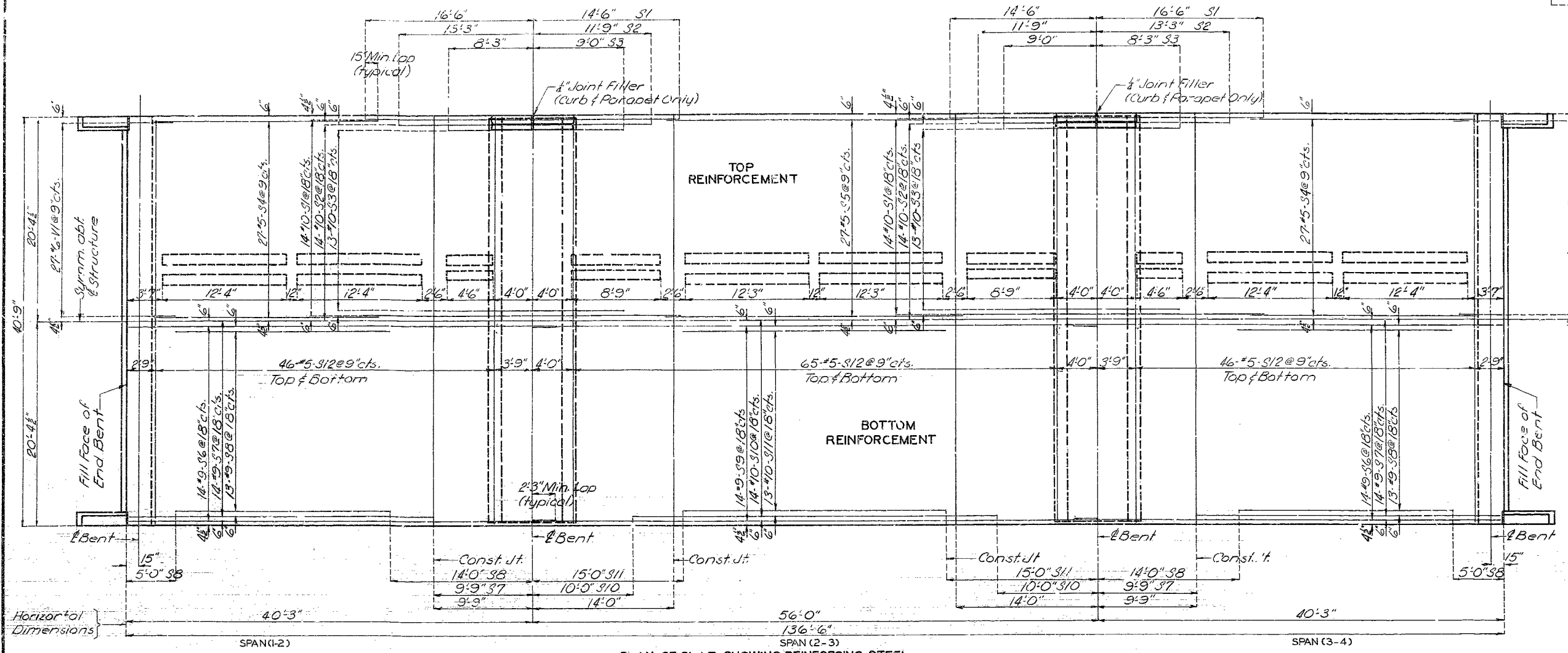
219

SPS	
REVISED	
STD.	

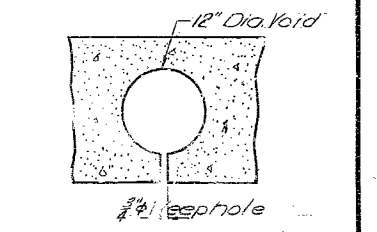
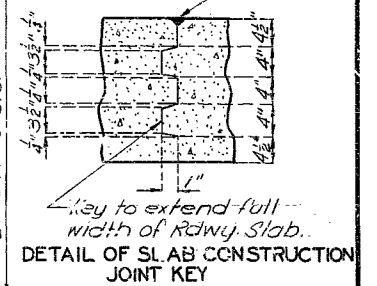
DETAILED Nov. 1968 BY Poyné
CHECKED Jan. 1969 BY Johnson

MISSOURI STATE HIGHWAY DEPARTMENT

FED. H. & D. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		15	125	

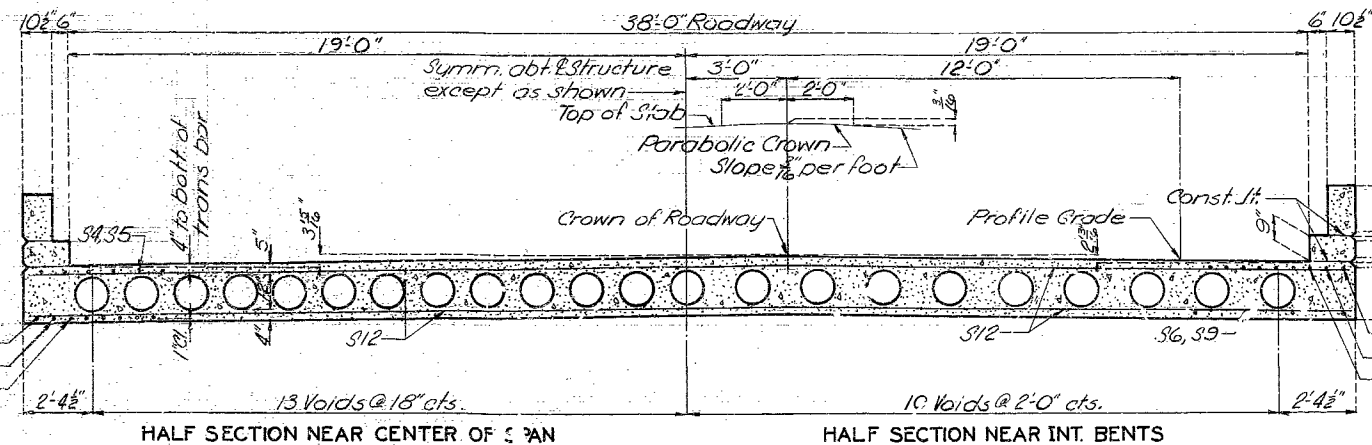


Finish each side of joint with 1/2 radius edging tool.

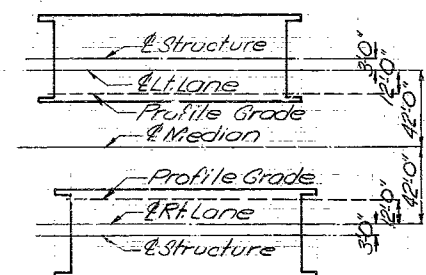


Note: One 1/2\"/>

220



HALF SECTION THRU LEFT LANE RIGHT LANE OPP HAND (LATERALLY)



Line Parallel to Grade

Note: Curbs and parapets to be cast independently of slab. Slab to be built to a uniform depth of 21\"/>

Note: The contractor shall pour and satisfactorily finish the roadway slab at a rate of not less than 53 cubic yards per hour. He shall observe the transverse construction joints shown on plans unless he can demonstrate to the satisfaction of the engineer that he is equipped to pour and satisfactorily finish the roadway slab at a rate which will permit a continuous pouring through some or all of these joints.

CLAY COUNTY

DETAILED Nov. 1963 BY Byrne
CHECKED Jan. 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 7 of 8

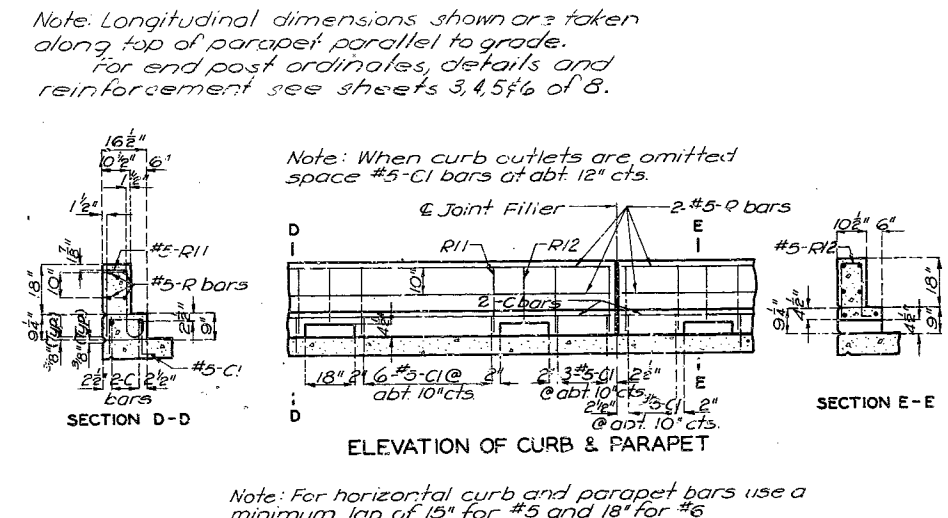
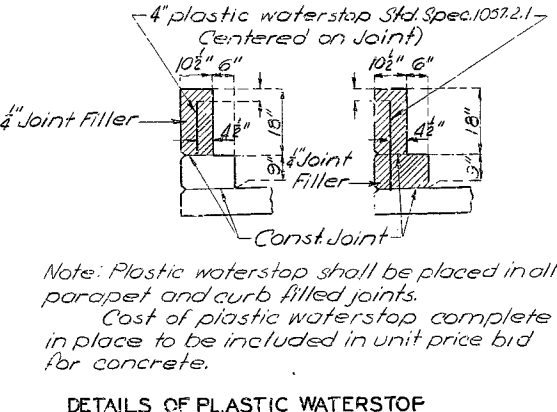
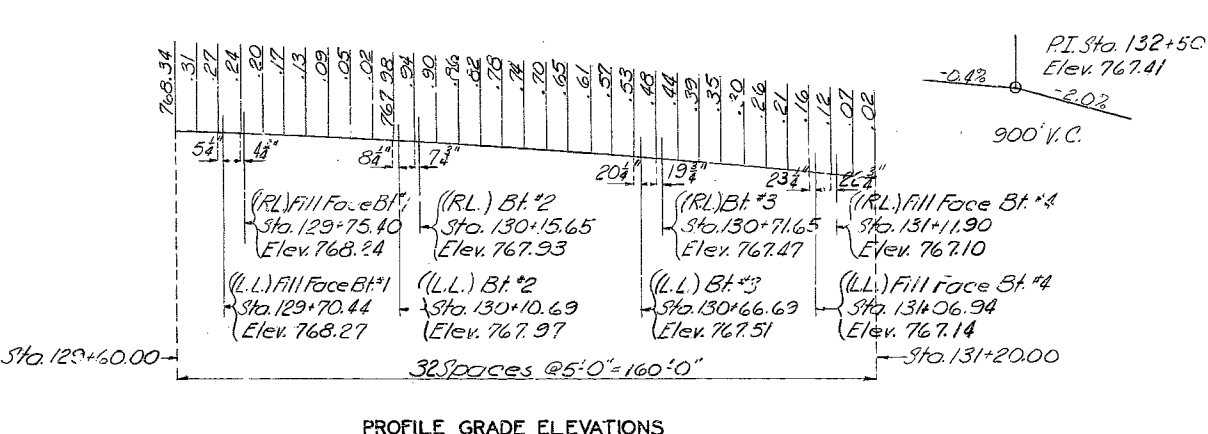
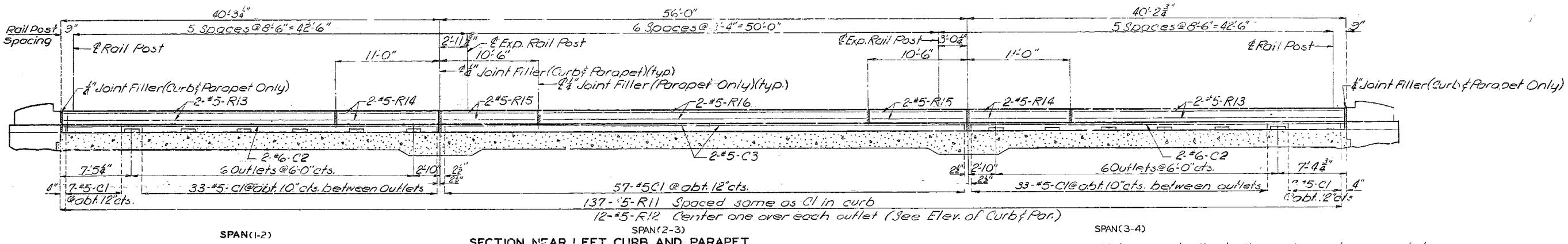
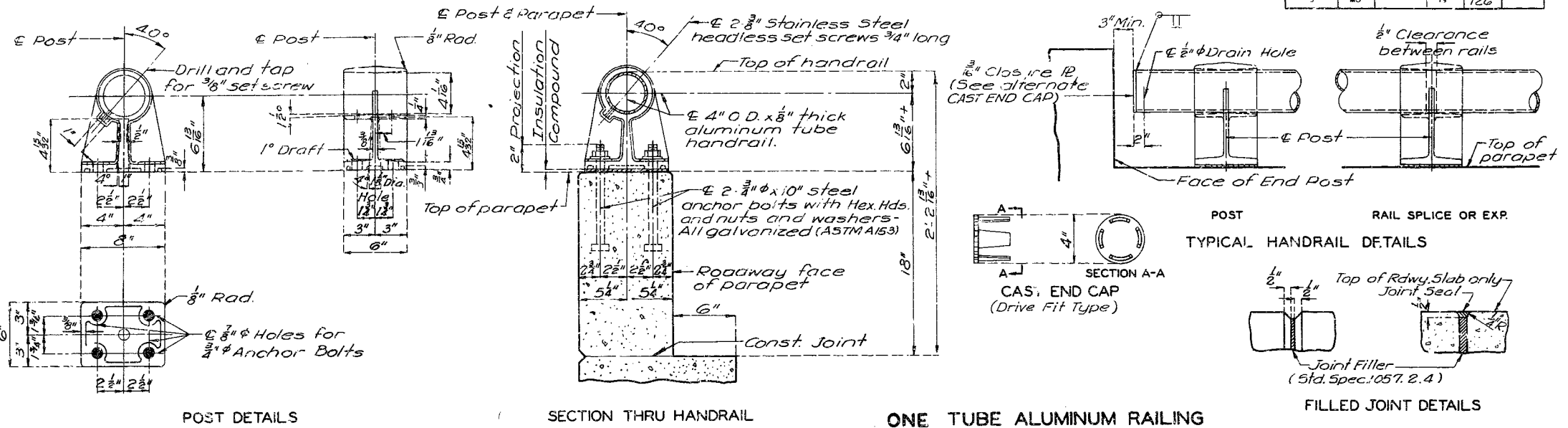
A-2181

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	126	

GENERAL HANDRAIL NOTES:

All handrail posts shall be set normal to grade.
 Aluminum tube handrail shall be bent to conform to vertical and horizontal alignment of parapet.
 Aluminum washer shims between top of parapet and post base may be used for adjusting handrail alignment. Maximum thickness of shims to be 1/8". Where more fitting of post is required for proper alignment, concrete bearing areas shall be ground down.
 All parts of handrail, except anchor bolts, nuts, washers, and set screws are to be of aluminum material.
 The contract unit price per linear foot of "Bridge Rail" shall include furnishing and erecting the handrail complete with anchor bolts, shims and insulating compound.
 All fillets 1/4" except as noted.
 All drafts 3° except as noted.
 Pipe rail to be fabricated in a minimum of 2 panel lengths.
 Omit set screw in side of rail posts adjacent to filled joints in curb and parapet at rail expansion points. Omit set screw in each side of rail post on end bents except where a gap is shown in rail over an expansion device.
 Top of curbs and parapets to be built parallel to grade with curb and parapet joints (except at end bents) normal to grade.
 Concrete end posts to be vertical.
 All exposed edges of end posts shall have 1/2" bevel.
 All exposed edges of curbs and parapets shall have 1/2" radius or 3/8" bevel unless otherwise noted.
 If the contractor desires, he may use drive fit cast aluminum end caps in lieu of welded aluminum closure plates.

MISSOURI STATE HIGHWAY DEPARTMENT



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REVISED SEPT. 1968
 MAR. 1964
 DETAILED Nov. 1968 BY Payne
 CHECKED Jan. 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 8 of 8.

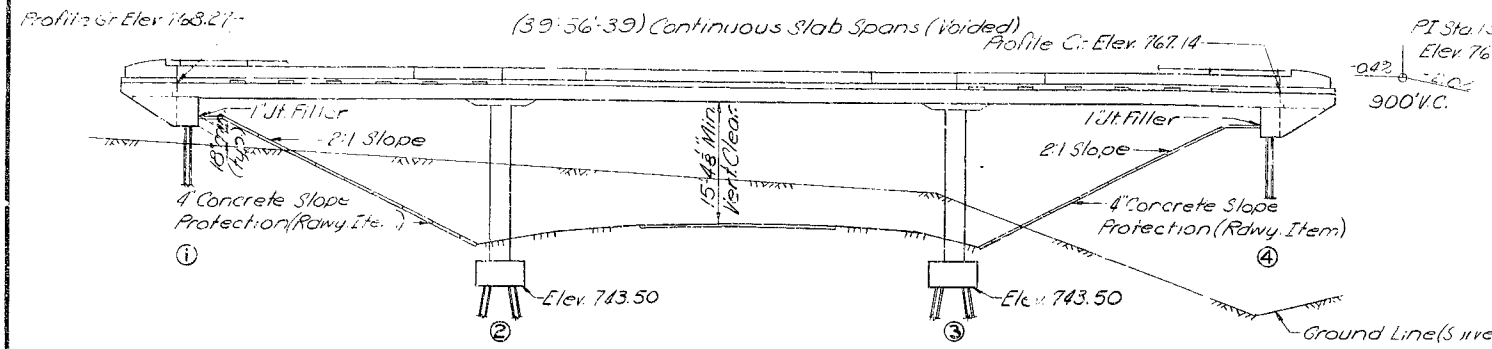
CLAY COUNTY

A-2181

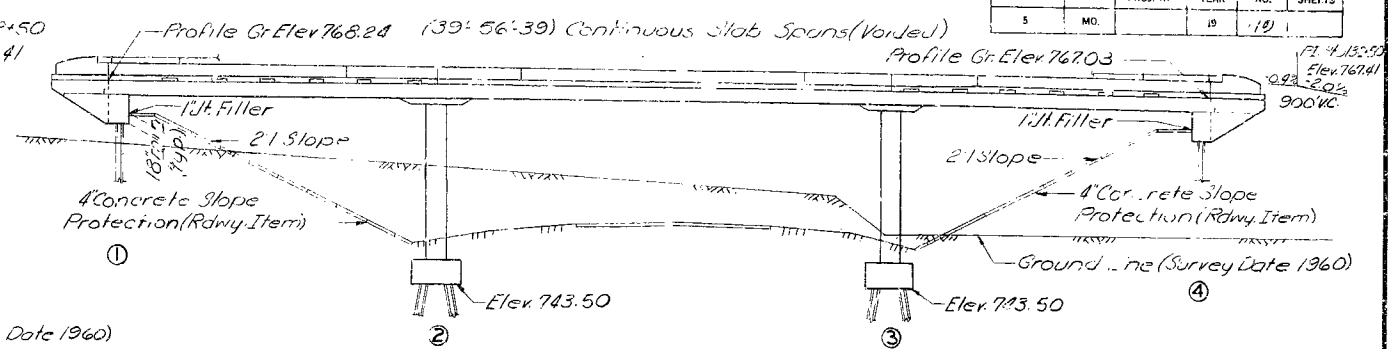
MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	19	



GENERAL ELEVATION LEFT LANE



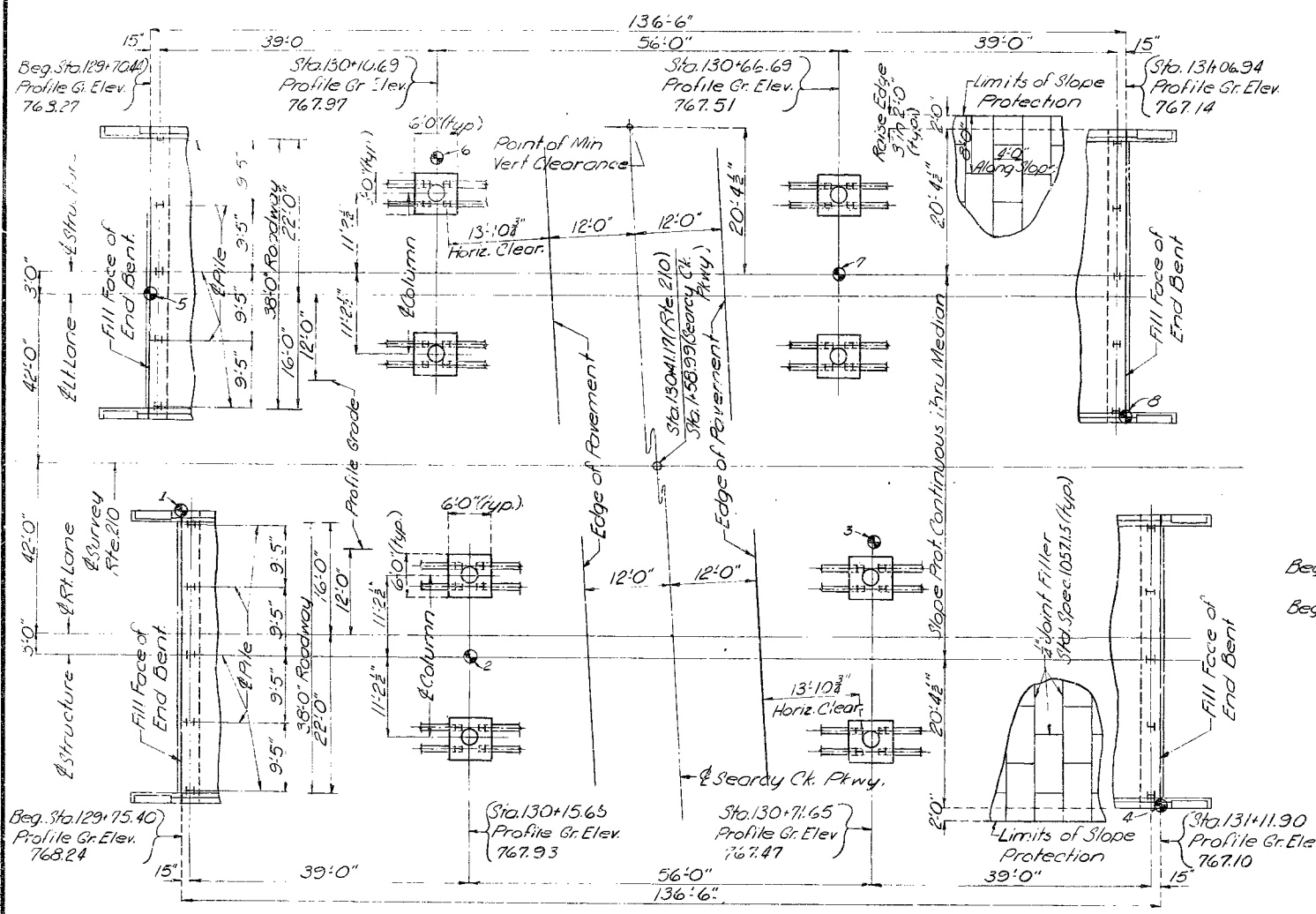
GENERAL ELEVATION RIGHT LANE

Note: Compacted roadway fill (full width of roadway) placed up to elevation of bottom of concrete beam in front of and not less than 25'-0" in back of End Berths No. 1 & 4 both lanes before piles are driven.

GENERAL NOTES:
 Design Specifications: A.A.S.H.O. - 1965
 Design Loading:
 HS 20-44 15' sq. ft. Future Wearing Surface
 Earth 120' Equivalent Fluid Pressure 30'
 Design Unit Stresses:
 Class B1 Concrete (superstructure) $f_c = 1,600$ psi
 Reinforcing Steel 13-20,000 psi
 Steel Pile 16-9,000 psi
 Protective Coating for vertical surface of Rdwy. Slab. See special provisions

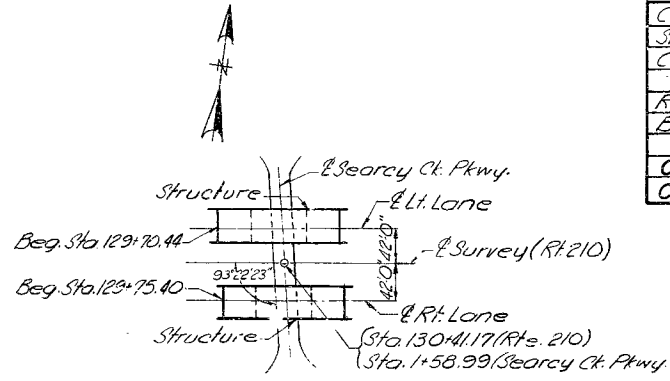
BENT NO.	Left Lane				Right Lane			
	1	2	3	4	1	2	3	4
Pile Type and Size	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2	10BAP2
Number	5	8	8	5	5	8	8	5
Approximate Length Ft.	47	27	35-36	60-61	47	30-36	36-38	63-64
Design Bearing Tons	37	55	55	37	37	55	55	37
Hammer Energy required Ft. Lbs.	8,300	13,200	13,200	6,300	8,300	13,200	13,200	8,300

Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by the factor $(W+w)/2W$ when the weight of the ram (W) is less than the weight of the pile (w).
 All pile driven to practical refusal.



PLAN

Note: For Boring Data see sheet No. 2 of 8.
 * Indicates location of boring.



LOCATION SKETCH

ITEM	FINAL QUANTITIES		
	SUBSTR.	SUPERSTR.	TOTAL
Class I Excavation for Structures	Cu. Yd.	111.5	111.5
Steel Piles in Place (10")	Ft.	2,147	2,147
Class B1 Concrete	Yd.	782.8	782.8
Reinforcing Steel	Lbs.	190,170	190,170
Bridge Rail (One Tube Type)	Lin. Ft.	556	556
CONTINGENT ITEM			
CLASS B CONCRETE	CU. YD.	8.0	8.0

B.M. #9 Elev. 746.44 ON N.E. COR. MANHOLE COVER RT. SO. RW AT STA 128+50'

BRIDGE OVER SEARCY CREEK PARKWAY

STATE ROAD: ROUTE 210
 IN KANSAS CITY
 PROJECT NO. C024 210(1)U (RTE. 210) STA. 129+75.40 - RIGHT LANE

CLAY COUNTY

SUBMITTED BY: [Signature] DATE: 3-1-66
 BRIDGE ENGINEER
 APPROVED BY: [Signature] DATE: 3-1-66
 CHIEF ENGINEER

STD. 706.30
 A-2181

222

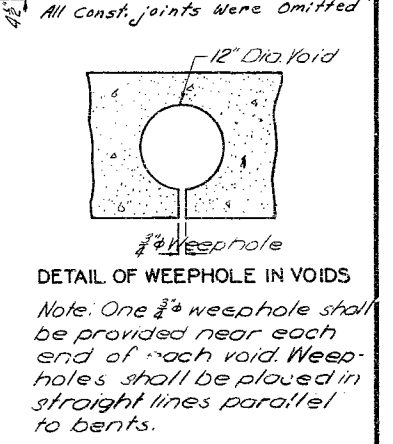
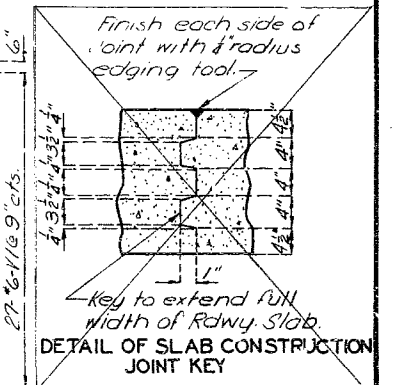
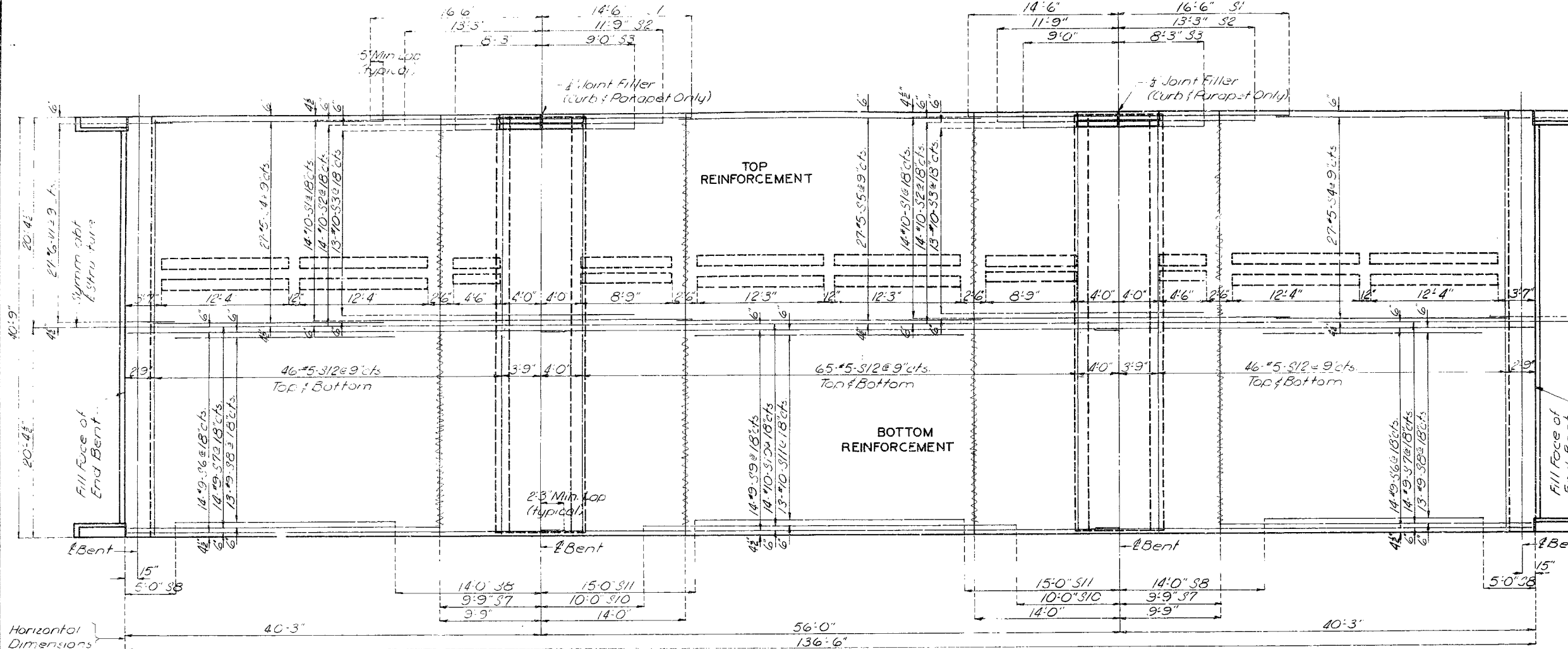
DESIGNED MAY 1966 BY MIZANI
 DETAILED NOV. 1969 BY PRYNE
 CHECKED Jan 1969 BY Johnson

Note: This drawing is not to scale. Follow dimensions.

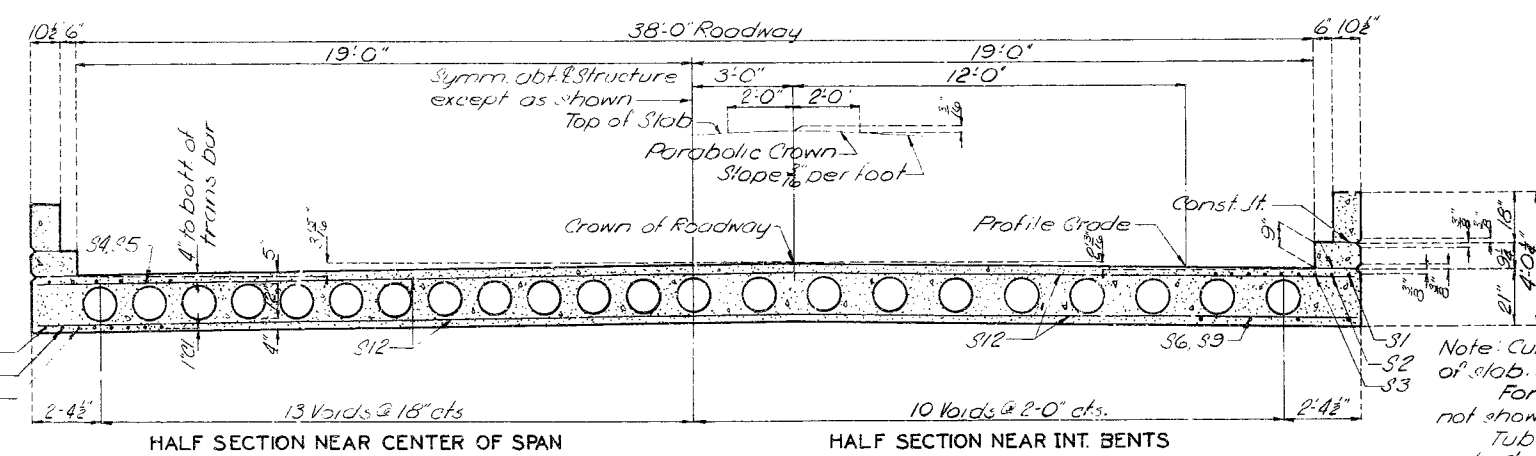
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	125	

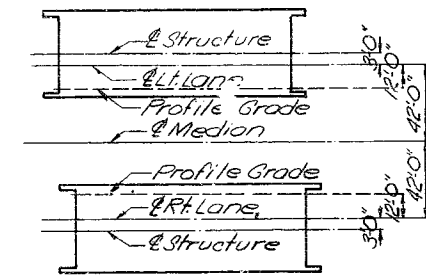
FINAL PLANS



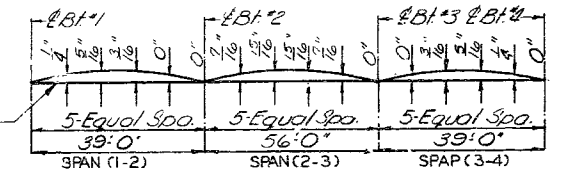
PLAN OF SLAB SHOWING REINFORCING STEEL



HALF SECTION NEAR CENTER OF SPAN
HALF SECTION NEAR INT. BENTS
HALF SECTION THRU LEFT LANE
RIGHT LANE OPP HAND (LATERALLY)



PLAN OF SLABS LEFT AND RIGHT LANES



CAMBER DIAGRAM

Note: The contractor shall pour and satisfactorily finish the roadway slab at a rate of not less than 53 cubic yards per hour. He shall observe the transverse construction joints shown on plans unless he can demonstrate to the satisfaction of the engineer that he is equipped to pour and satisfactorily finish the roadway slab at a rate which will permit a continuous pouring through some or all of these joints. ALL CONSTRUCTION JOINTS WERE OMITTED.

Note: Curbs and parapets to be cast independently of slab. Slab to be built to a uniform depth of 21". For details curbs, parapets, and handrails not shown see sheet 50a & b.
Tubes for producing voids shall have an outside diameter of 12.0" and shall be anchored at not more than 4'-0" centers.
Fiber tubes shall have a wall thickness of not less than .225"

Note: This drawing is not to scale. Follow dimensions.

DETAILED Nov 1968 BY Payne
CHECKED Jan 1969 BY [unclear]

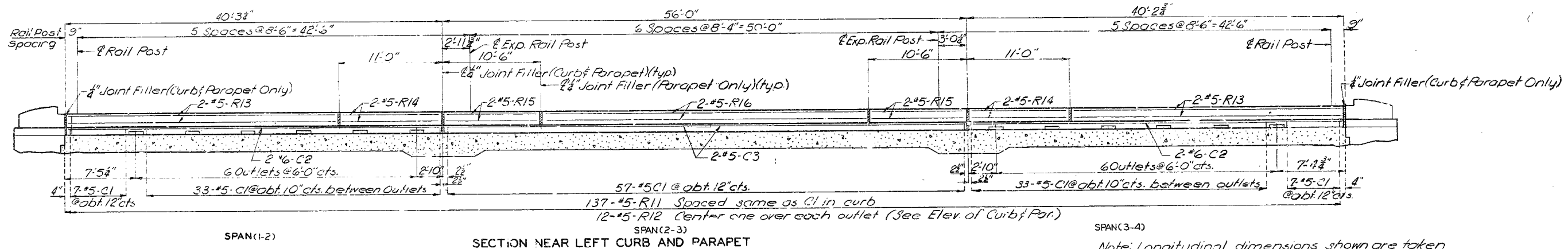
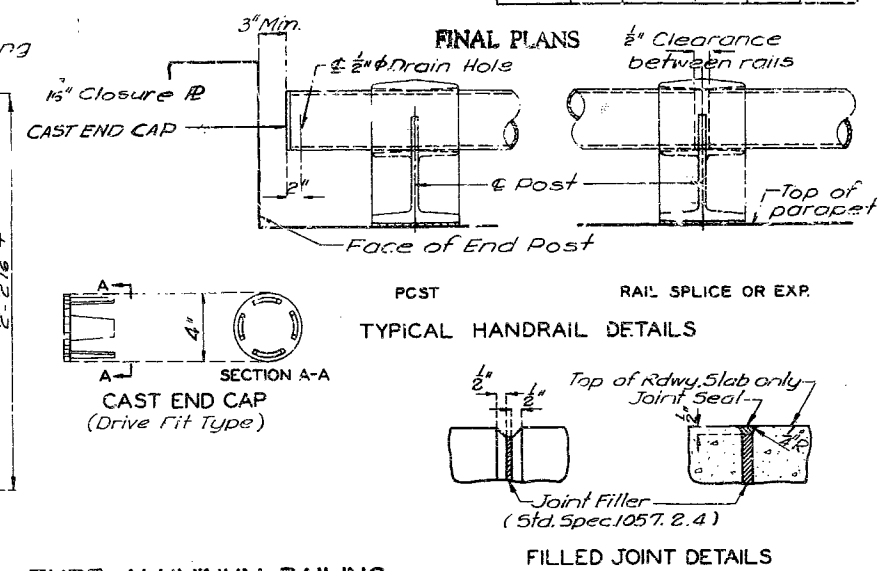
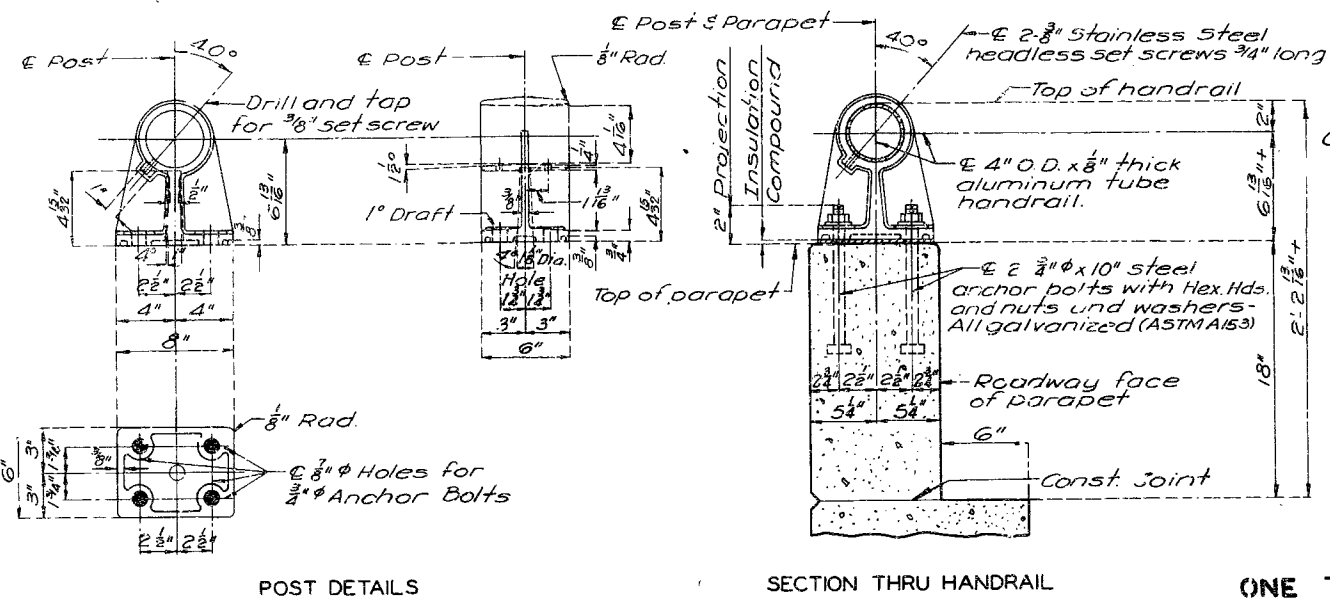
223

FED. ROAD DIST. NO.	ST. STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO		19	126	

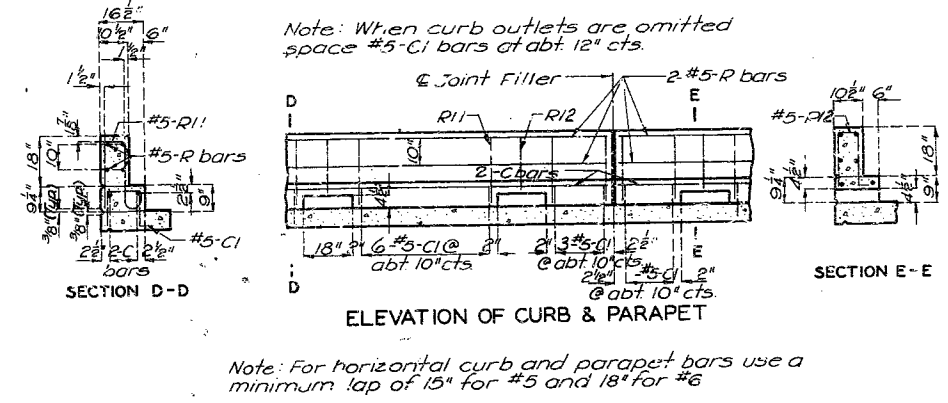
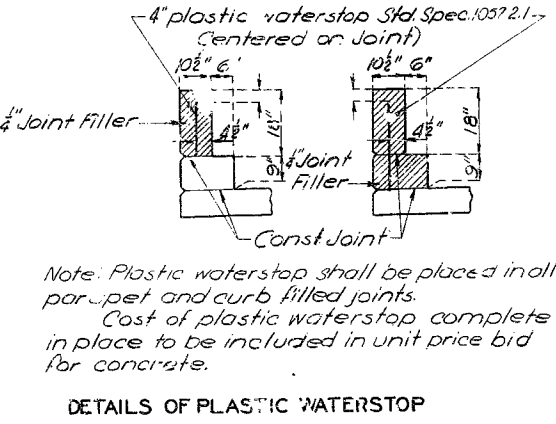
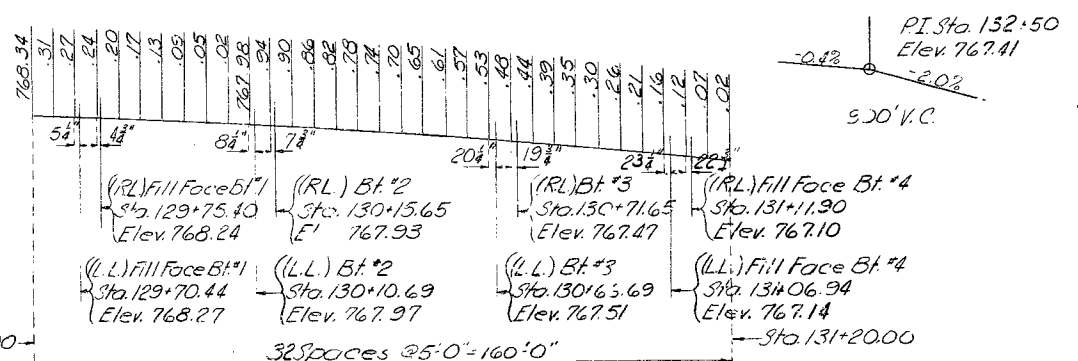
GENERAL HANDRAIL NOTES:

All handrail posts shall be set normal to grade. Aluminum tube handrail shall be bent to conform to vertical and horizontal alignment of parapet. Aluminum washer shims bet. top of parapet and post base may be used for adjusting handrail alignment. Maximum thickness of shims to be 1/8". Where more tilting of post is required for proper alignment, concrete bearing areas shall be ground down. All parts of handrail, except anchor bolts, nuts, washers, and set screws are to be of aluminum material. The contract unit price per linear foot of "Bridge Rail" shall include furnishing and erecting the handrail complete with anchor bolts, shims and insulating compound. All fillets 1/4" except as noted. All drafts 3° except as noted. Pipe rail to be fabricated in a minimum of 2 panel lengths. Omit set screw in side of rail posts adjacent to filled joints in curb and parapet at rail expansion points. Omit set screw in each side of rail post on end bents except where a gap is shown in rail over an expansion device. Top of curbs and parapets to be built parallel to grade with curb and parapet joints (except at end bents) normal to grade. Concrete end posts to be vertical. All exposed edges of end posts shall have 1/2" bevel. All exposed edges of curbs and parapets shall have 1/2" radius or 3/8" bevel unless otherwise noted. If the contractor desires, he may use drive fit cast aluminum end caps in lieu of welded aluminum closure plates.

MISSOURI STATE HIGHWAY DEPARTMENT



SPAN(3-4)
Note: Longitudinal dimensions shown are taken along top of parapet parallel to grade. For end post ordinates, details and reinforcement see sheets 3, 4, 5 & 6 of B.



Note: For horizontal curb and parapet bars use a minimum lap of 15\"/>

224

STD. I.5.2
MAR. 1964
REVISED
SEPT. 1966
DETAILED Nov. 1968 by Payne
CHECKED Jan. 1969 by Johnson

Note: This drawing is not to scale. Follow dimensions.

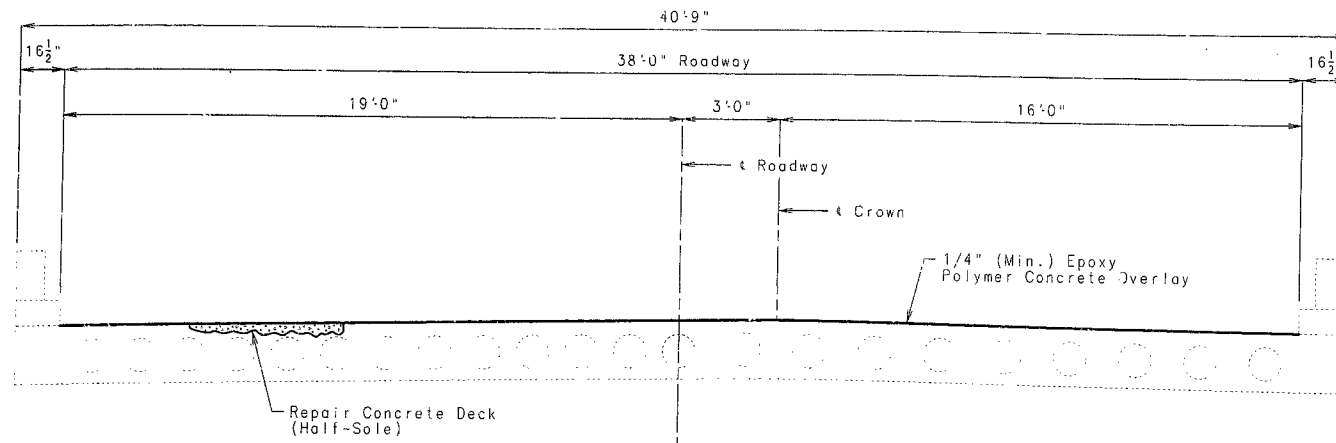
Sheet No. 8A of 3.

CLAY COUNTY

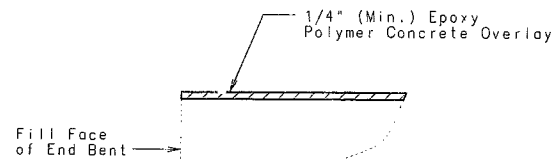
A-2181

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

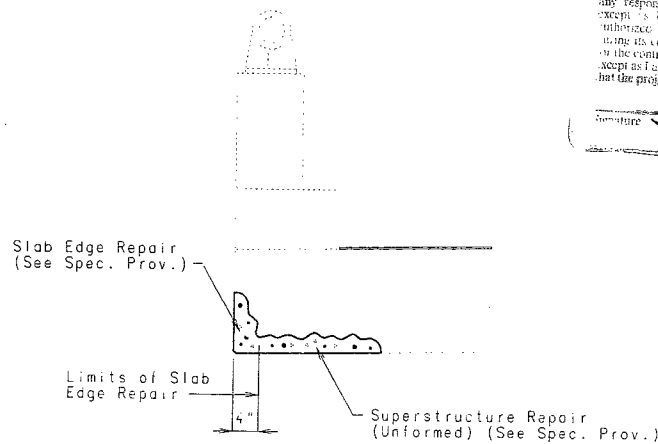
STATE	PROJ. NO.	SHEET NO.
MO.	ACSTP-304(18)	77
SEC./SUR. 8	TWP. 50N RGE. 32W	
*980130-04-GTA		



SECTION THRU ROADWAY



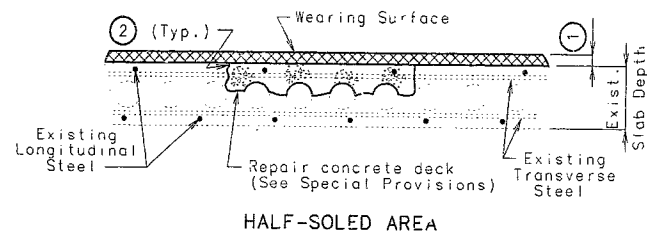
TYPICAL PART SECTION NEAR END BENTS



CONCRETE EDGE REPAIR

DECK REPAIR

TYP. SECTION THRU SLAB



- ① 1/4" (Min.) Polymer Concrete Overlay
- ② Saw cut or chip vertically first 1/2" of all deck repair (Hydroblasting allowed by Special Provisions)

I certify that the design, configuration and construction of the project as shown on the plans and as I and my staff have supervised the construction of the project, except as noted, conform to the specifications and standards of the Missouri Department of Transportation and the contract documents. I accept as I and my staff have supervised the project and the project has been completed.

Signature: *Thomas E. 10/21/97*
 THOMAS E. 25889
 REGISTERED PROFESSIONAL ENGINEER

GENERAL NOTES:

- Existing Work:**
Outline of old work is indicated by light dashed lines, heavy lines indicate new work.
- Traffic Maintained:**
See roadway plans for traffic control during construction.
- Approaches:**
Roadway surfacing adjacent to bridge ends to match bridge overlay. (See Rdwy. Plans)
- Maintain Grade:**
In order to maintain grade and a minimum thickness of overlay as shown on plans it may be necessary to use additional quantities of overlay at various locations throughout the structure. No payment will be allowed for additional labor, materials or equipment for variations in thickness of overlay.
- Overlay:**
The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any termination edge of the epoxy polymer concrete.

FINAL QUANTITIES		
ITEM		TOTAL
Superstructure Repair (Unformed)	Sq. Ft.	151.1
Repairing Concrete Deck (Half-Soling)	Sq. Ft.	175.7
Slab Edge Repair (Bridges)	Lin. Ft.	148.0
Epoxy Polymer Concrete Overlay	Sq. Yd.	576.0

STATE OF MISSOURI
 GREGORY S. SUMBE
 NUMBER E-24283
 REGISTERED PROFESSIONAL ENGINEER
 DATE 8-5-97

REPAIRS TO BRIDGE OVER SEARCY CREEK PARKWAY

STATE ROAD FROM RTE. 1-435 TO RTE. 269
 IN KANSAS CITY
 PROJECT NO. STA. 129+75.40 (MATCH EXIST.)
 JOB NO. J4U1241 RYE. 210 E.B.L.
 CLAY COUNTY

STD.
STD.
A21811

DETAILED DEC. 1996
 CHECKED JULY 1997

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

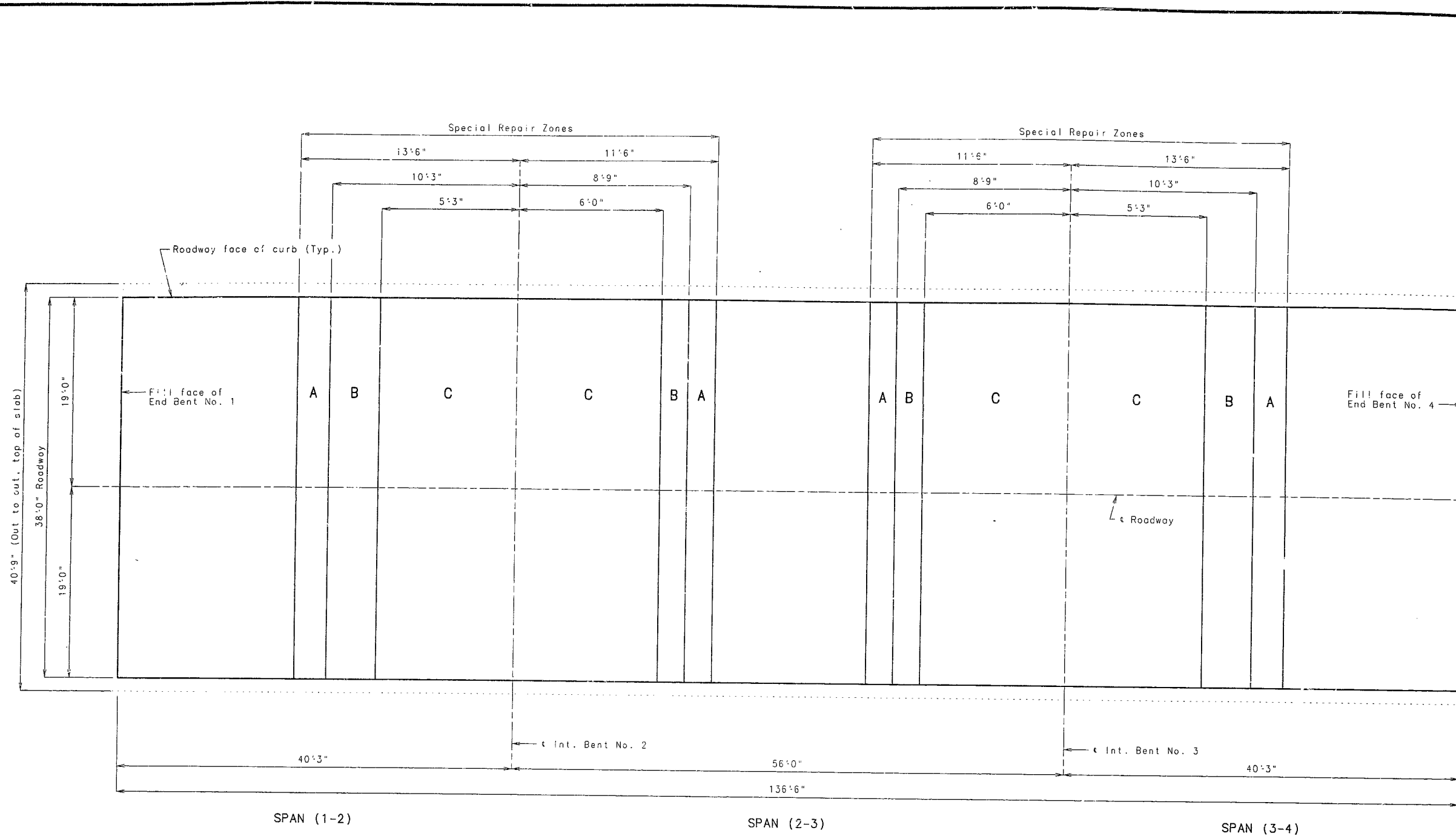
SHEET NO. 1 OF 2

DATE 09/29/97

351

24 to 1

78



PART PLAN OF SLAB SHOWING SPECIAL REPAIR ZONES

352

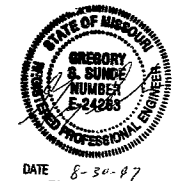


NOTES:

Any repair in the remainder of the bridge that is within 3'-0" of zone A shall be completed before removing old concrete in zone A.

Zones with the same letter designation may be repaired at the same time.

Zone A to be repaired before Zone B. Zone B to be repaired before Zone C.



DETAILED DEC. 1996
CHECKED JULY 1997

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 2 OF 2

CLAY

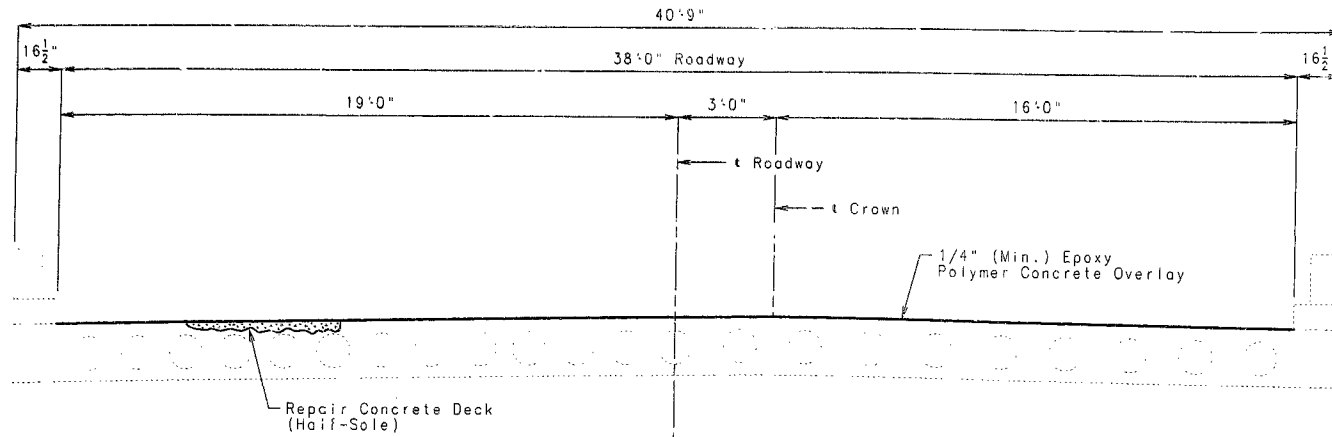
COUNTY

A21811

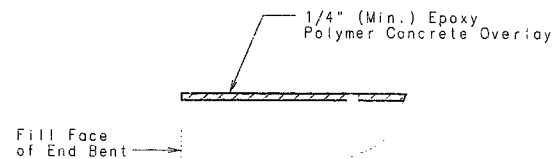
24 to 1

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

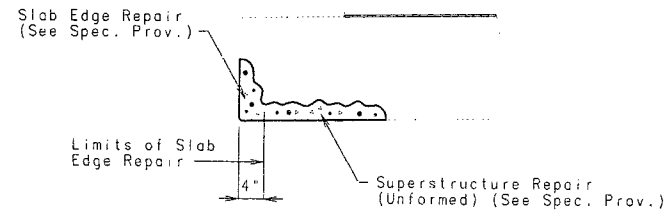
STATE	PROJ. NO.	SHEET NO.
MO.	ACSTP-304(18)	73
SEC./SUR. 8	TWP. 50N RGE. 32W	
*98030-04-OTA		



SECTION THRU ROADWAY



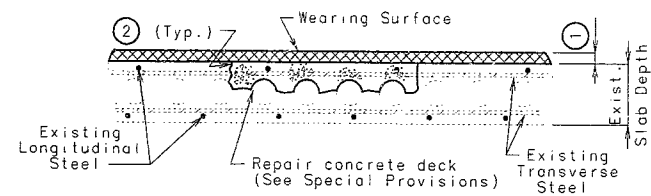
TYPICAL PART SECTION NEAR END BENTS



CONCRETE EDGE REPAIR

DECK REPAIR

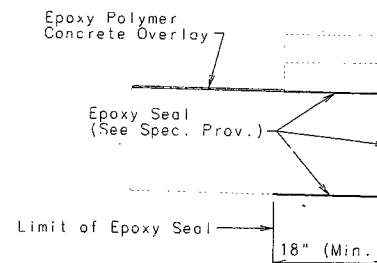
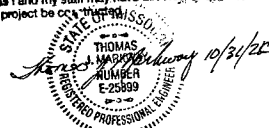
TYP. SECTION THRU SLAB



HALF-SOLED AREA

- ① 1/4" (Min.) Polymer Concrete Overlay
- ② Saw cut or chip vertically first 1/2" of a' deck repair (Hydroblasting allowed by Special Provisions)

FINAL PLANS
I certify that this plan sheet accurately depicts the configuration and location of the roadway and all its appurtenant features, to the best of my knowledge, as I and my staff have observed the contractor's construction of this project. I specifically disclaim any responsibility for the design of this project, except as I and my staff may have modified or authorized the modification of the project design during its construction; and I disclaim responsibility for the contractor's actual construction of the project, except as I and my staff may have directed or ordered that the project be constructed.

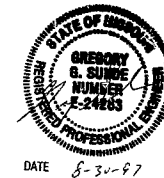


TYPICAL SECTION OF EXISTING CURB SHOWING OUTLET

GENERAL NOTES:

- Existing Work:**
Outline of old work is indicated by light dashed lines, heavy lines indicate new work.
- Traffic Maintained:**
See roadway plans for traffic control during construction
- Approaches:**
Roadway surfacing adjacent to bridge ends to match bridge overlay. (See Rdwy. Plans)
- Maintain Grade:**
In order to maintain grade and a minimum thickness of overlay as shown on plans it may be necessary to use additional quantities of overlay at various locations throughout the structure. No payment will be allowed for additional labor, materials or equipment for variations in thickness of overlay.
- Overlay:**
The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any termination edge of the epoxy polymer concrete.

FINAL QUANTITIES		
ITEM		TOTAL
Superstructure Repair (Unformed)	Sq. Ft.	180.0
Repairing Concrete Deck (Half-Soling)	Sq. Ft.	58.3
Slab Edge Repair (Bridges)	Lin. Ft.	159.0
Epoxy Polymer Concrete Overlay	Sq. Yd.	576.0



REPAIRS TO BRIDGE OVER SEARCY CREEK PARKWAY

STATE ROAD FROM RTE. 1-435 TO RTE. 269

IN KANSAS CITY
PROJECT NO. J4U1241

STA. 129+70.44 (MATCH EXIST.)
RTE. 210 W.B.L.

CLAY

COUNTY

STD.
STD.

DATE 09/10/17

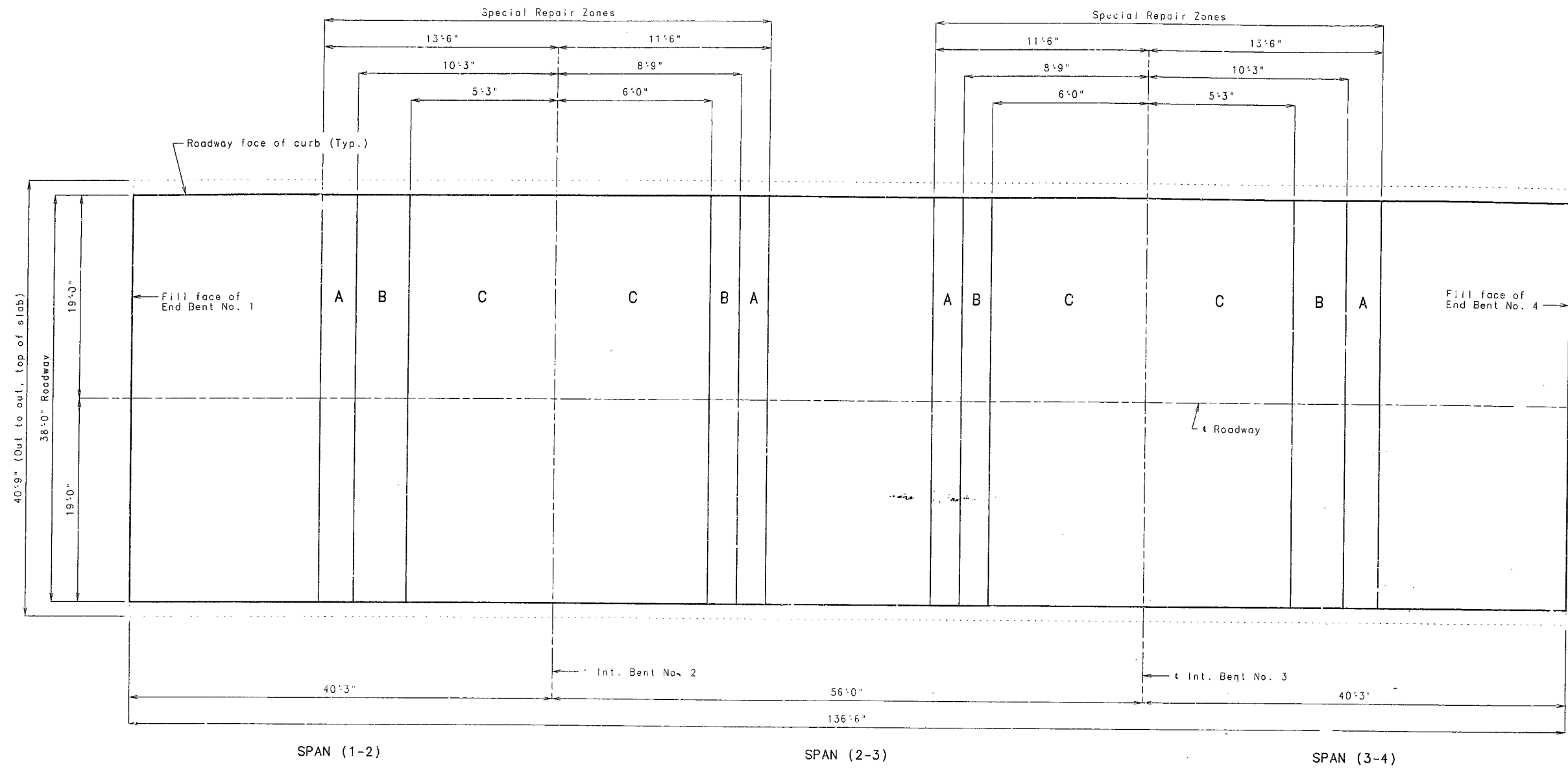
A21812

DETAILED DEC. 1996
CHECKED JULY 1997

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 1 OF 2

76

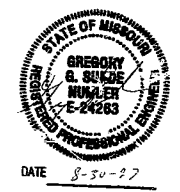


PART PLAN OF SLAB SHOWING SPECIAL REPAIR ZONES

FINAL PLANS
 I certify that this plan sheet accurately depicts the construction and location of the roadway and all its appurtenant features, to the best of my knowledge, as I and my staff have observed the contractor's construction of this project. I specifically disclaim any responsibility for the design of this project, except as I and my staff may have modified or authorized the modification of the project design during its construction; and I disclaim responsibility for the contractor's actual construction of this project, except as I and my staff may have directed or addressed during its construction.



- NOTES:**
- Any repair in the remainder of the bridge that is within 3'-0" of zone A shall be completed before removing old concrete in zones A.
 - Zones with the same letter designation may be repaired at the same time.
 - Zone A to be repaired before Zone B. Zone B to be repaired before Zone C.



Handwritten scribble

350

DETAILED DEC. 1996
 CHECKED JULY 1997

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 2 OF 2

CLAY

COUNTY

A21812