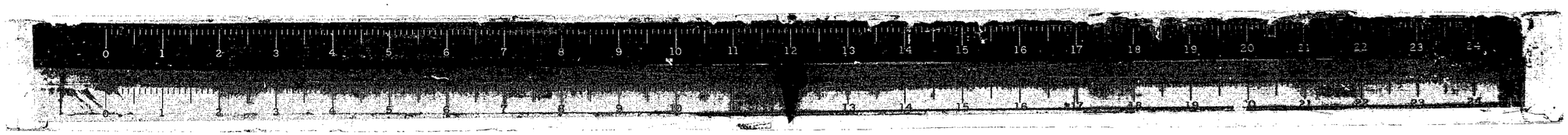
RT. EA 607
(AUS 52)CSBI69)

SEC. 125 BR



State

*F.A. RTE. 607 (US RTE. 52)(S.B.I. RTE. 69)

* 125 BR. LASALLE 23 1

P-93-022-76

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

INDEX OF SHEETS

SHEET No.	ITEM
1.	COVER SHEET
2.	TYPICAL SECTION & DETAILS
3.	SUMMARY OF QUANTITIES & SCHEDULES
4.	SCHEDULES
5.	PLAN & PROFILE
6-20	BRIDGE PLANS
21-23	X-SECTIONS

F.A. RTE. 607 (U.S. RTE. 52) (S.B.I. RTE. 69)
SECTION 125 BR.
PROJECT BR-F-607(27)
LASALLE COUNTY
C-93-076-78

STANDARDS

1686-4	Symbols & Abbreviations
1909-10	Bridge Approaches
1914-6	Type A Gutter
2113-1	Name Plate for Bridges
2228-4	Metal End Section for Pipe Culverts
2230-11	Steel Plate Beam Guardrail
2262-3	Precast Reinforced Concrete Flared End Section
2298-4	Typical Application of Traffic Control Devices
2299-7	Design of Traffic Control Devices
2300-1	Flagman Traffic Control Sign
2323-4	Pavement Joints
2324-3	Bridge Approach Shoulder Pavement
2336	Traffic Barrier Terminal Type I & IA
2341	Traffic Barrier Terminal Type 6
2362	Concrete Headwall for Pipe Drains

LOCATION MAP

SCALE IN MILES

LOCATION OF SECTION INDICATED THUS —

DESIGN DESIGNATION:
825(93) AREA SERVICE 0.16 (B-15)

12/5 78 R. L. Bain

January 8 79

January 8 79

January 8 79

Jay W. Miller
DIVISION ADMINISTRATOR

2/6/79
DATE

GROSS LENGTH = 0.176 MILE = 930.00 FEET
NET LENGTH = 0.176 MILE = 930.00 FEET

CONTRACT NO. ... 105

LASALLE 125 BR. F.A. RTE. 607 (US RTE. 52)(S.B.I. RTE. 69)

*F.A. RTE. 607 (U.S. RTE. 52)(S.B.I. RTE. 69)

* 125 BR. LASALLE 23 1
BR-F-607(27)

P-93-022-76

INDEX OF SHEETS

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21-23.	X-SECTIONS

STANDARDS

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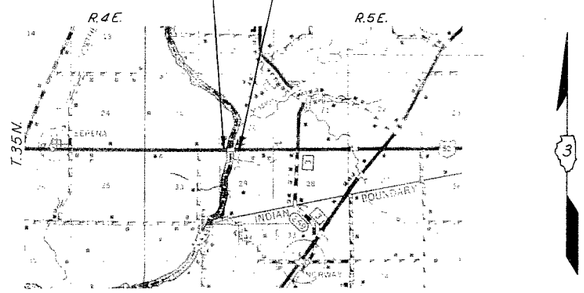
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A. RTE. 607 (U.S. RTE. 52) (S.B.I. RTE. 69)
SECTION 125 BR.
PROJECT BR-F-607(27)
LASALLE COUNTY
C-93-076-78

BEGIN PROJECT STA. 348+70.00

END PROJECT STA. 358+00.00



LOCATION MAP

SCALE IN MILES
0 MI. 1 MI. 2 MI.

GROSS LENGTH = 0.176 MILE = 930.00 FEET
~ NET LENGTH = 0.176 MILE = 930.00 FEET

LOCATION OF SECTION INDICATED THUS —

DESIGN DESIGNATION:
825(93) AREA SERVICE 0.16 (B-15)

12/5 78
R. L. Bri
January 8 79
H L Wolever
January 8 79
Thomas R. Bright
January 8 79
L. J. Donaway

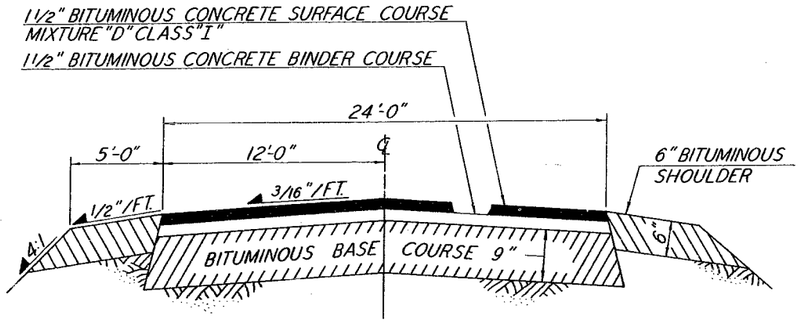
APPROVED

DIVISION ADMINISTRATOR DATE

CONTRACT NO. 33605

LASALLE 125 BR. F.A. RTE. 607 (U.S. RTE. 52)(S.B.I. RTE. 69)

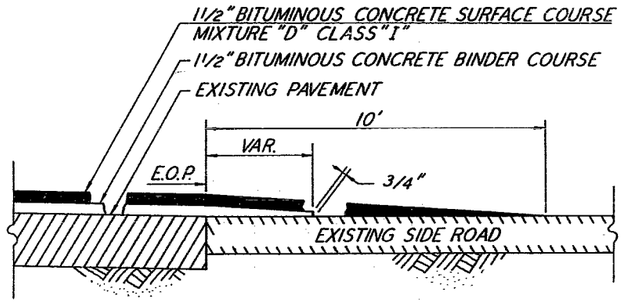
FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
607	1258R	LaSALLE	23	2
FHWA REGION 5	ILLINOIS	PROJECT		



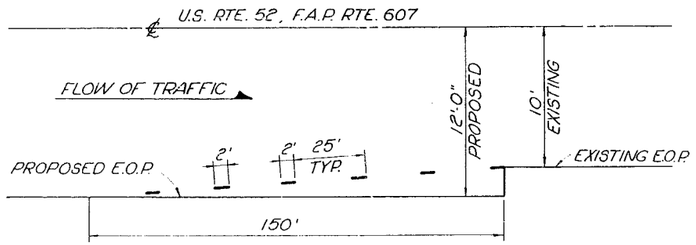
STATION TO STATION

348+70.00 — 351+29.50

356+28.50 — 358+00.00

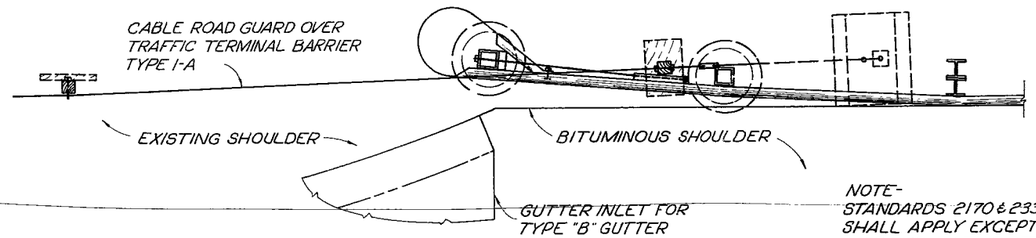


SIDE ROAD TAPER DETAIL

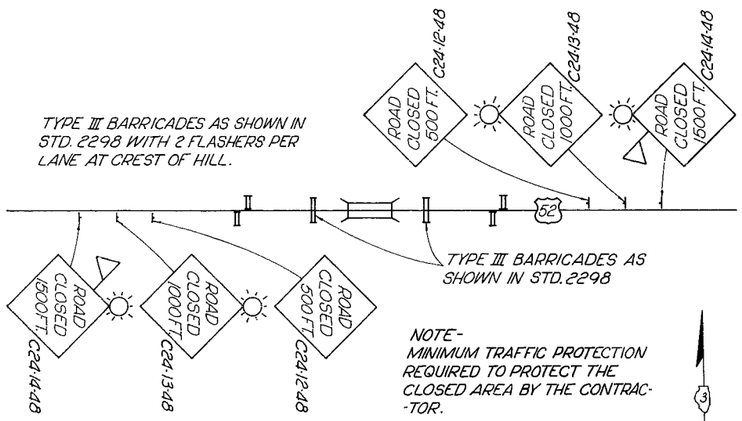


PAVEMENT TAPING DETAIL

USE PAVEMENT MARKING TAPE FOR TEMPORARY PAVEMENT WIDTH TRANS-ITION - 4 QUADRANTS.

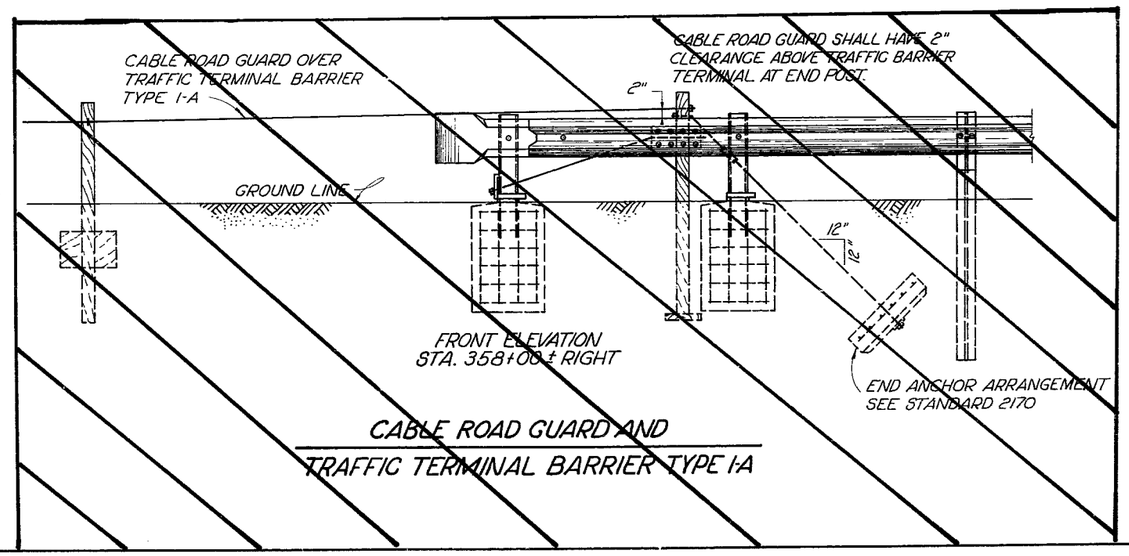


NOTE-
STANDARDS 2170 & 2336 SHALL APPLY EXCEPT AS MODIFIED BY THIS DETAIL & THE SPECIAL PROVISIONS.



NOTE-
MINIMUM TRAFFIC PROTECTION REQUIRED TO PROTECT THE CLOSED AREA BY THE CONTRAC-TOR.

BARRICADE DIAGRAM



CABLE ROAD GUARD AND TRAFFIC TERMINAL BARRIER TYPE I-A

GENERAL NOTES

The thickness of Bituminous Mixtures shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing surface or base on which the bituminous mixture is placed.

Where section or sub-section monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all monuments until an authorized surveyor or agent has witnessed or otherwise referenced their location. The Contractor will be responsible for having an authorized surveyor re-establish any section or sub-section monuments destroyed by his operations.

Any reference to a Standard in these plans shall be interpreted to mean the editions as indicated by the sub-number listed in the Index of Sheets or the copy of the Standard included in these plans.

Before ordering pipe culverts and storm sewers, the Contractor shall consult the Engineer for exact lengths.

Plugging pipes shall be at the approval of the Engineer.

The following rates of application have been assumed in calculating plan quantities:

Granular Materials	2.05 Tons/Cu. Yd.
Bituminous Materials Prime Coat	0.08 Gal/Sq. Yd. & 0.375 Gal/Sq. Yd.
Aggregate Prime Coat	0.002 Tons/Sq. Yd.
Bituminous Concrete Surf. Mix D	112 Lbs/Sq. Yd./Inch
Bituminous Concrete Binder & L. Binder	112 Lbs/Sq. Yd./Inch
Supplemental Watering	0.01 Unit/Sq. Yd.
Nitrogen Nutrient	80 Lbs/Acre
Phosphorus Nutrient	160 Lbs/Acre
Potassium Nutrient	80 Lbs/Acre
Mulch	2 Ton/Acre
Emulsified Asphalt	100 Gal/Ton Mulch

State of Illinois
Department of Transportation
District Three

REVIEWED BY: W.A.P.
Date: 12-5-78

Examined By:

District Engineer of Design

District Engineer of Construction

District Engineer of Maintenance
Allen N. Flesa

District Engineer of Materials

District Engineer of Traffic

District Engineer of Planning

Rev. 2-1-79

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BA	LaSALLE	23	3
FHWA REGION 5	ILLINOIS	PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONST. TYPE CODE: 6203 UNIT	QUANTITY	ROADWAY	X-024 BRIDGE
*201001	TREE REMOVAL (6 TO 15 INCH DIAMETER)	IN DIA	106	106	
*201002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN DIA	34	34	
202001	EARTH EXCAVATION	CU YD	1,227	381	846
209002	*POROUS GRANULAR EMBANKMENT*	CU YD	271		271
219004	BITUMINOUS SHOULDERS 6"	SQ YD	479	479	
308006	BITUMINOUS BASE COURSE 9"	SQ YD	974	974	
*406001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	55	55	
*406007	BITUMINOUS CONCRETE BINDER COURSE	TON	109	109	
*406013	BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS I	TON	109	109	
408006	PORTLAND CEMENT CONCRETE PAVEMENT 16½ - 10½ - 16½	SQ YD	106.6	106.6	
*408015	P. C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SQ YD	24.4	24.4	
*501024	CONCRETE REMOVAL	CU YD	266.1	7.5	258.6
X50115	*CONCRETE REMOVAL (PARTIAL DEPTH)*	*CU YD*	*26.3*		*26.3*
501048	*REMOVAL OF CONCRETE DECK*	*L. SUM*	*1*		*1*
501028	*EXPANSION BOLTS ½ INCH*	*EACH*	*444*		*444*
501033	*EXPANSION BOLTS ¾ INCH × 12 INCH*	*EACH*	*178*		*178*
503003	*PROTECTIVE COAT*	*SQ YD*	*377*		*377*
*503004	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	4	4	
504003	CLASS X CONCRETE	CU YD	933.2		933.2
XZ1167	*CONCRETE PATCHING (PARTIAL DEPTH)*	*CU YD*	*26.3*		*26.3*
*504008	CLASS X CONCRETE (OUTLETS)	CU YD	6.5	6.5	
507004	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	5,458		5,458
511761	END SECTIONS 18"	EACH	2	2	
*511877	METAL END SECTIONS 12"	EACH	4	4	
512001	REINFORCEMENT BARS	POUND	138,124	6814	131,310
*512002	REINFORCEMENT BARS (EPOXY COATED)	POUND	71,570		71,570
514001	NAME PLATES	EACH	1		1
*601010	DUMPED RIPRAP	SQ YD	*170*	*170*	
607002	PIPE DRAINS 6"	LIN FT	24		24
607005	PIPE DRAINS 12"	LIN FT	111	111	
*607007	PIPE DRAINS 18"	LIN FT	*122*	*122*	
607077	PIPE UNDERDRAINS 6"	LIN FT	135		135
Z10527	*TRAINEES*	*HOUR*	*1,000*		*1,000*
612470	TYPE C INLET BOX STANDARD 2324	EACH	4	4	
617001	PAVEMENT REMOVAL	SQ YD	1,048	1,048	
*617004	GUTTER REMOVAL	LIN FT	1,059	1,059	
*617010	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ YD	134	134	
628031	TRAFFIC BARRIER TERMINAL TYPE 1	EACH	3	3	
X62835	TRAFFIC BARRIER TERMINAL TYPE 1A	EACH	3	3	
X62837	STEEL PLATE BEAM GUARD RAIL, TYPE A	LIN FT	2225	2225	
X62844	TRAFFIC BARRIER TERMINAL TYPE 6	EACH	4	4	
633004	CABLE ROAD GUARD REMOVAL	LIN FT	2305	2305	
642002	SEEDING II	ACRE	0.5	0.5	
642004	NITROGEN FERTILIZER NUTRIENT	POUND	40	40	
642005	PHOSPHORUS FERTILIZER NUTRIENT	POUND	80	80	
642006	POTASSIUM FERTILIZER NUTRIENT	POUND	40	40	
643005	EMULSIFIED ASPHALT	GALLON	100	100	
X64308	MULCH, METHOD II	TON	1	1	
643004	*EXCELSIOR BLANKET*	SQ. YD.	27	27	

Y080

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONST. TYPE CODE: 6203 UNIT	QUANTITY	ROADWAY	X-024 BRIDGE
*646004	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18		18
*646006	ENGINEER'S FIELD LABORATORY	CAL MO	18		18
*647001	PAVEMENT MARKING TAPE	LIN FT	72	72	
Z10043	*BUILDING REMOVAL*	*L. SUM*	*1*	*1*	
Z10328	*PREFORMED JOINT SEALER 2½"*	*LIN. FT.*	*210*		*210*
XZ1311	*EPOXY GROUTING (1"-3")*	*SQ. FT.*	*336*		*336*
XZ1345	*PRESSURE INJECTING CRACKS*	*LIN. FT.*	*142*		*142*
X04748	MOBILIZATION	L. SUM	1		1

* SEE SPECIAL PROVISIONS

PROPOSED OFFSETS & ELEVATIONS

EP 12' LT (Elev.)	Station	℄ (Elev.)	EP 12' RT (Elev.)
118.01	348+70	118.20	118.01
117.61	348+75	117.951	117.761
117.553	349+00	116.743	117.553
115.404	349+25	115.594	115.404
114.315	349+50	114.505	114.315
113.285	349+75	113.475	113.285
112.315	350+00	112.505	112.315
111.404	350+25	111.594	111.404
110.553	350+50	110.743	110.553
109.761	350+75	109.951	109.761
109.029	351+00	109.219	109.029
108.356	351+25	108.546	108.356
108.229	351+30	108.419	108.229
107.755	351+49.5	107.945	107.755

BRIDGE - SEE BRIDGE PLANS

102.23	356+08.5	102.420	102.23
102.06	356+25	102.250	102.06
102.03	356+28.5	102.220	102.03
101.81	356+50	102.000	101.81
101.56	356+75	101.750	101.56
101.31	357+00	101.500	101.31
101.06	357+25	101.250	101.06
100.81	357+50	101.000	100.81
100.56	357+75	100.750	100.56
100.31	358+00	100.500	100.31

Rev. 1-11-79
Rev. 1-26-79
Rev. 2-1-79

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
607	1258A	LA SALLE	23	4
AREA REGION 6	ILLINOIS	PROJECT		

ROADWAY AND BITUMINOUS QUANTITIES

Station to Station	Side	Bituminous Shoulders 6" Sq. Yd.	Bituminous Base Course 9" Sq. Yd.	Bituminous Materials (Prime Coat) 0.375 Gal/Yd^2 Gallons	Bituminous Binder Course 112#/Yd^2/In Ton	Bituminous Surface Course *112* #/Yd^2/In Ton	Pavement Removal Sq. Yd.	Bit Conc Surf Rem Sq. Yd.
348+70 to 351+29.5	LT	144.2	253.2		29.5	29.2	311	
348+70 to 351+29.5	RT	144.2	253.2		29.5	29.2	311	
356+28.5 to *358+00*	LT	95.3	233.4		19.5	19.3	213	
356+28.5 to 358+00	RT	95.3	233.4		19.5	19.3	213	
Side Road @ 357+31	LT			5		1.0		
Crown Trans (Begin)				25	5.5	5.5		67
Crown Trans (End)				25	5.5	5.5		67
Total		479.0	974.0	55	109.0	109.0	1048	134

PIPE DRAINS & PIPE UNDERDRAINS

Location	Side	PIPE DRAINS 6" Lin. Ft.	12" Lin. Ft.	18" Lin. Ft.	CONC HDWL FOR PIPE DRAIN 6" Each	METAL END SECTIONS 12" Each	END SECTIONS 18" Each	PIPE UNDERDRAIN 6" Lin. Ft.	TYPE C INLET BOX Each	*EXCELSIOR* BLANKET Sq. Yd.
348+55	RT			6			1			3
348+50 to 349+50	LT			100						
351+36	LT			6						
351+39.5	LT									15
351+43	LT			*10*			*1*			3
351+39.5	LT		20			*1*			1	
351+39.5	RT		22			1			1	2
356+18.25	LT		35			1			1	2
356+18.25	RT		34			1			1	2
BRIDGE	LT & RT	24			4			135		
TOTALS		24	111	*122*	4	*4*	*2*	135	4	27

TREE REMOVAL

Station	Dist. LT or RT	6, 15 Inch Dia. In. Dia.	Over 15 Inch Dia. In. Dia.
350+79	26' RT	9	
351+06	30' LT	8	
351+14	26' LT	6	
351+28	35' LT	2 @ 10"	
351+32	46.4' LT	10"	
351+46	40' RT	10"	
351+58	27.5' RT		18
351+65	27' RT	8"	
351+85	49' RT	3 @ 8"	
355+64	20.5' LT	8"	
355+80	26' RT	6"	
355+79	40.5' LT	"	16
355+87	20' RT	7	
Total		106	34

CABLE ROAD GUARD REMOVAL

Station to Station	Side	Length (Lin. Ft.)
350+59 to 351+49	LT	90
350+59 to 351+49	RT	90
356+10 to 356+85	LT	75
256+10 to 369+10	RT	1300
357+45 to 364+95	LT	750
Total		2305

EARTHWORK QUANTITIES

Station to Station	Cut (Cu. Yds.)	Fill (Cu. Yds.)	Waste
348+50 to 352+10	209	394	245 Waste
West Br. Valt	529		
356+08.5 to 358+50	172	130	327 Waste
East Br. Valt	317		
Total	1227	524	572

GUTTER REMOVAL

Station to Station	Side	Quantity Lin. Ft.
348+46 to 351+49.5	LT	303.5
348+46 to 351+49.5	RT	303.5
356+08.5 to 358+12	LT	203.5
356+08.5 to 358+12	RT	203.5
351+43	LT	15
351+43	RT	30
Total		1059

PORTLAND CEMENT CONCRETE PAVEMENT 16½-10½-16½ & REINFORCEMENT

Station to Station	Quantity YD^2	Reinforcement Bars (Lb.)
356+29.5 to 356+49.5	53.35	3407
356+08.5 to 356+28.5	53.35	3407
Totals	106.70	6814

CONCRETE REMOVAL

location	Side	Cu. Yd.
Br. Superstructure	LT & RT	125.7
Br. Substructure	LT & RT	132.9
Sta. 351+57 (HDWL)	LT	7.5
Total		266.1

GUTTER OUTLETS & INLETS

Sta.	Side	Cu. Yd.
348+46-348+70	LT	2.61
348+46-348+70	RT	2.61
358+00-358+12	LT	0.64
358+00-358+12	RT	0.64
	Total	6.50

STEEL PLATE BEAM GUARDRAIL & TRAFFIC BARRIER TERMINALS

Location Quadrant	SPBGR Type A (Lin. Ft.)	Traffic Type 1 (Each)	Barrier Type 1A (Each)	Terminal Type 6 (Each)
N. E.	750	1	2	1
S. E.	1300		1	
N. W.	87.5	1		1
S. W.	87.5	1		1
Totals	2225	3	3	4

P. C. BRIDGE APPROACH SHOULDER PAVEMENT

Location Quantity	Quantity YD^2
NE	6.1
SE	6.1
NW	6.1
SW	6.1
Totals	24.4

Apr 2-1-73

~SEC.20, T.35 N., R.5E., 3 RD. P.M. ~

350

REMOVE EXISTING CABLE ROAD GUARD-90 LIN.FT.(LT.&RT.)
INSTALL TRAFFIC BARRIER TERMINAL TY.6 (LT.&RT.)
INSTALL TRAFFIC BARRIER TERMINAL TY.1 (LT.&RT.)
INSTALL 87.5 LIN.FT. S.P.B.G.R. TY.A (LT.&RT.)

355

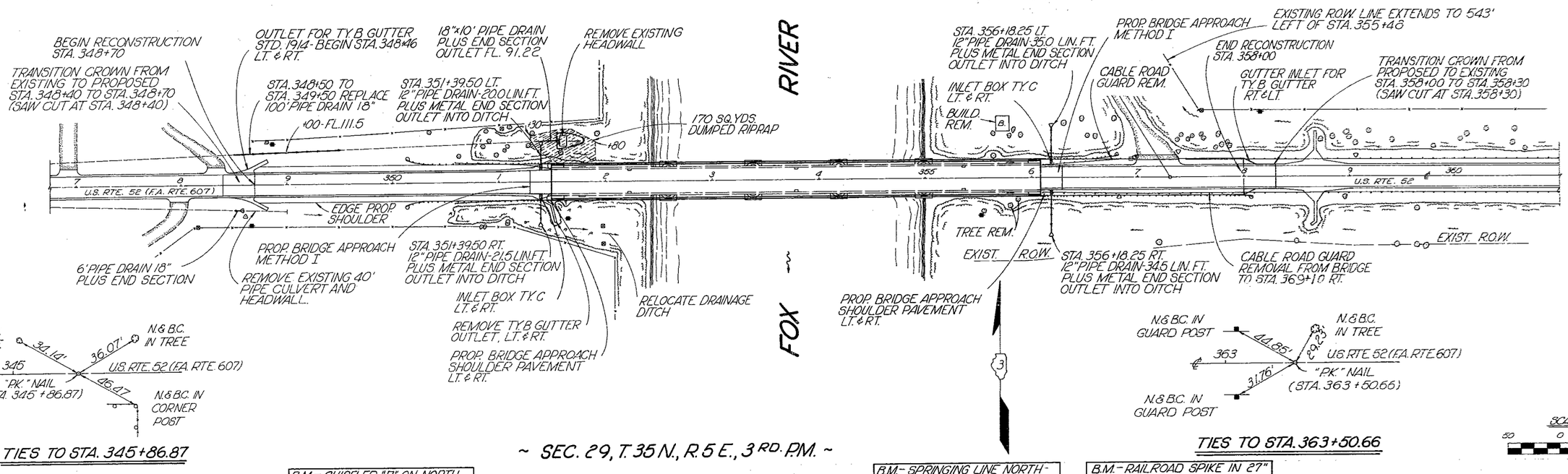
REMOVE EXISTING CABLE ROAD GUARD-74 LIN.FT.(LT.)
INSTALL TRAFFIC BARRIER TERMINAL TY.6 (LT.)
INSTALL TRAFFIC BARRIER TERMINAL TY.1 (LT.)
INSTALL 37.5 LIN.FT. S.P.B.G.R. TY.A (LT.)

INSTALL TRAFFIC BARRIER TERMINAL TY.6 (RT.)
INSTALL TRAFFIC BARRIER TERMINAL TY.1A (RT.)
INSTALL 1300 LIN.FT. S.P.B.G.R. TY.A (RT.)

360

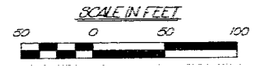
REMOVE CABLE ROAD GUARD STA. 357+45 TO STA. 364+95 LT. INSTALL 712.5 LIN.FT. SPBGR TYPE A. INSTALL 2 TRAF. BARRIER TERMINAL TYPE 1A.

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
607	25BR	LaSALLE	23	5
FHWA REGION 5	ILLINOIS	PROJECT		



TIES TO STA. 345+86.87

TIES TO STA. 363+50.66

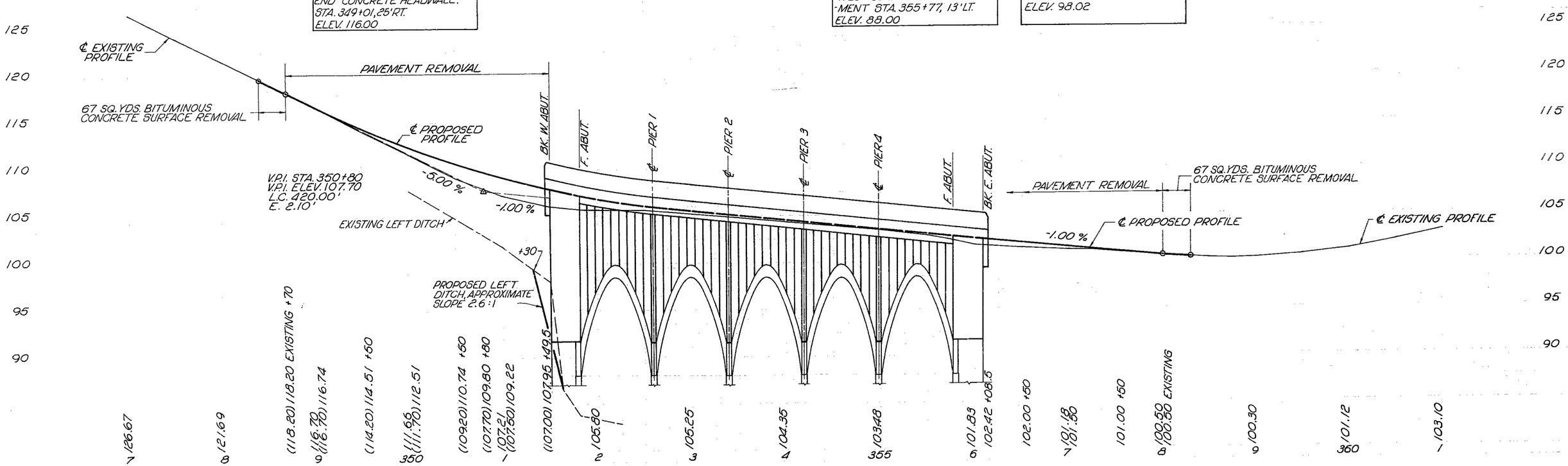


~ SEC. 29, T. 35 N., R. 5 E., 3 RD. P.M. ~

B.M. - CHISELED "□" ON NORTH END CONCRETE HEADWALL. STA. 349+01, 25' RT. ELEV. 116.00

B.M. - SPRINGING LINE NORTH - WEST CORNER EAST ABUT - MENT STA. 355+77, 13' LT. ELEV. 88.00

B.M. - RAILROAD SPIKE IN 27" TREE STA. 357+09, 75' LT. ELEV. 98.02

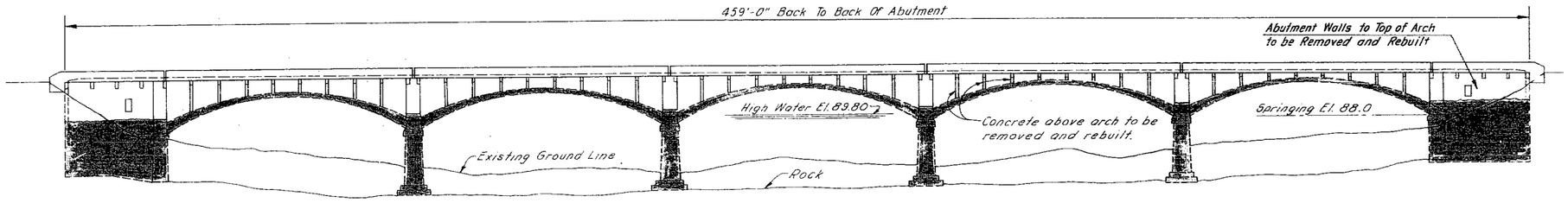


R. 2-1-72

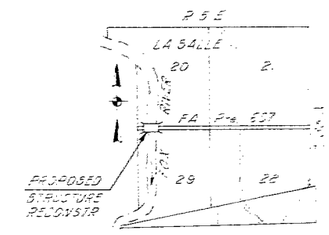
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	6
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		

B.M. ELEV. 88.00: SPRINGING LINE AT N.W. CORNER OF EAST ABUTMENT

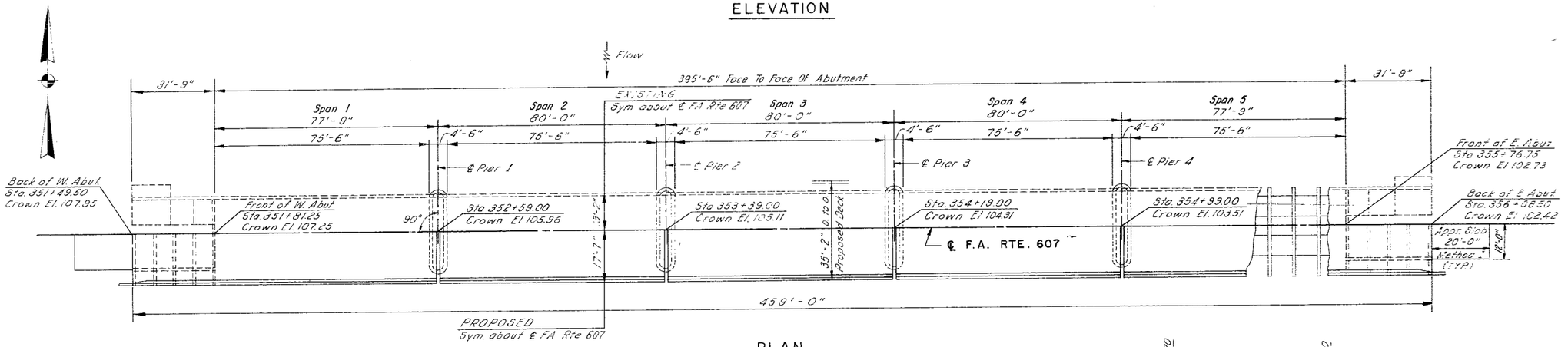
EXISTING STRUCTURE WAS BUILT IN 1931 AS S.B.I. ROUTE 69 SECTION 125 B STA. 353+79. IT IS A 5 SPAN REINFORCED CONCRETE OPEN SPANDREL ARCH ON SOLID PIERS AND CLOSED ABUTMENTS.



ELEVATION



LOCATION PLAN



PLAN

STATION 353+79
BUILT IN 1931 BY
STATE OF ILLINOIS
F.A. RT. 607 SEC. 125 BR
F.A. PROJ. BR-[illegible]
LOADING H52
STR. NO. 250-0058

NAME PLATE
See Standard 2113
(Locate Name Plate as directed by the Engineer)

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPERST.	SUBSTR.	TOTAL
*	Concrete Removal (†)	Cu. Yds.	125.7	132.9	258.6
	Expansion Bolts ¾ Inch x 12 Inch	Each	——	178	178
	Protective Coat	Sq. Yds.	377	——	377
	Class X Concrete	Cu. Yds.	791.3	141.9	933.2
	Pressure Injecting Cracks	Lin/Ft.		142	142
	Structural Steel	Lbs.	5458	——	5458
	Reinforcement Bars	Lbs.	118,540	13,090	131,630
	Reinforcement Bars Epoxy Coated	Lbs.	71,320	——	71,320
	Name Plates	Each	1	——	1
	Epoxy Grouting (1"-3")	Sq. Ft.		336	336
	Preformed Joint Sealer 2½ Inch	Lin. Ft.	210	——	210
	Expansion Bolts ¾"ø	Each		444	444
	Roadway Excavation	Cu. Yds.	——		
	Porous Granular Embankment	Cu. Yds.	——	271	271
	Pipe Underdrain 6"	Lin. Ft.	——	135	135
**	Removal of Concrete Deck (†)	L. S.	1	——	1
	Pipe Drain 6"	Lin. Ft.		24	24
	Concrete Headwall for Pipe Drain	Each	4		4
	Concrete Removal (Partial Depth)	Cu. Yds.		26.3	26.3
	Concrete Patching (Partial Depth)	Cu. Yds.		26.3	26.3

*Includes Columns, Curtain Walls & Abutments.
**Includes Parapets, Slab & Floor Beams.

DESIGNED BY A.T.
DRAWN BY V.P.
CHECKED BY A.T.

(†) Plans of the existing structure are available at the office of the District Engineer.

GENERAL NOTES

CALCULATED WEIGHT OF STRUCTURAL STEEL = 5458 LBS.

ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH TWO COATS OF BASIC LEAD SILICO CHROMATE PAINT.

THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK, IN ADDITION TO ALLOWANCE FOR DEAD LOAD DEFLECTION.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

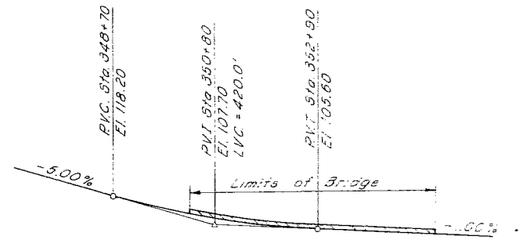
THE CONCRETE RAIL SECTION ABOVE THE BONDED CONSTRUCTION JOINT AT THE TOP OF THE SLAB SHALL BE CONSTRUCTED OF CLASS X CONCRETE, EXCEPT THE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF HANDRAIL CONCRETE.

EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION ANCHORS AND 3/4" ø X 12" HOOKED BOLTS.

ALL REINFORCEMENT BARS SHALL CONFORM TO A.A.S.H.T.O. M-31 GRADE 60 OR M-53 GRADE 60.

SEQUENCE OF REMOVAL AND CONSTRUCTION OF THE SUPERSTRUCTURE IN ARCH SPANS

1.- THE REMOVAL AND RECONSTRUCTION OF THE SUPERSTRUCTURE SHALL BE MADE IN SUCH A MANNER THAT SYMMETRY OF LOADING IS MAINTAINED.
2.- THE CONTRACTOR SHALL SUBMIT REMOVAL AND CONSTRUCTION PROCEDURES FOR APPROVAL BY THE ENGINEER PRIOR TO THE REMOVAL AND CONSTRUCTION OF THE SUPERSTRUCTURE.



PROFILE GRADE ALONG ℄ FA ROUTE 607

DESIGN SPECIFICATIONS
1973 A.A.S.H.T.O. AS APPLICABLE

DESIGN STRESSES
f'c = 3,500 psi DECK SLAB, CURB, PARAPET, COLUMNS, AND FLOOR BEAMS
fy = 60,000 psi REINFORCEMENT

LOADING
HS 20-44 (NEW CONSTRUCTION)
25#/sq' FUTURE WEARING SURFACE

DESIGN METHOD
LOAD FACTOR DESIGN

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
DIRECTOR OF HIGHWAYS & TRAFFIC ENGINEER

WATERWAY INFORMATION

DRAINAGE AREA	2260 SQ.MI.
REQUIRED OPENING	3720 SQ.FT.
EXISTING OPENING	3720 SQ.FT.
PROPOSED OPENING	3720 SQ.FT.

		U.S.G.S.	LOCAL DATUM
Q50 = 21,425 c.f.s.		H.W.E. 531.65	89.80
Q100 = 24,560 c.f.s.		H.W.E. 532.30	90.45
DESIGN		H.W.E. 531.65	89.80
ALL TIME		H.W.E. 535.60	93.75 (1954)

CREATED HEAD FOR DESIGN FLOOD 0.38'
CREATED HEAD FOR 100 YEAR FLOOD 0.60'

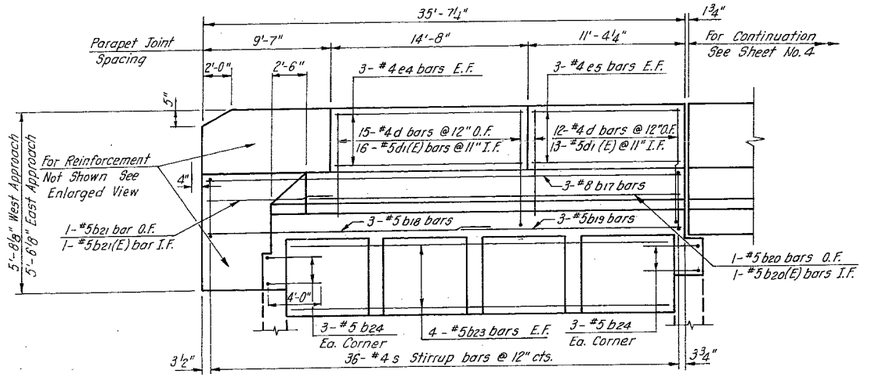
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79
GENERAL PLAN
F.A. RT 607 LA SALLE COUNTY SECTION 125 - BR

CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

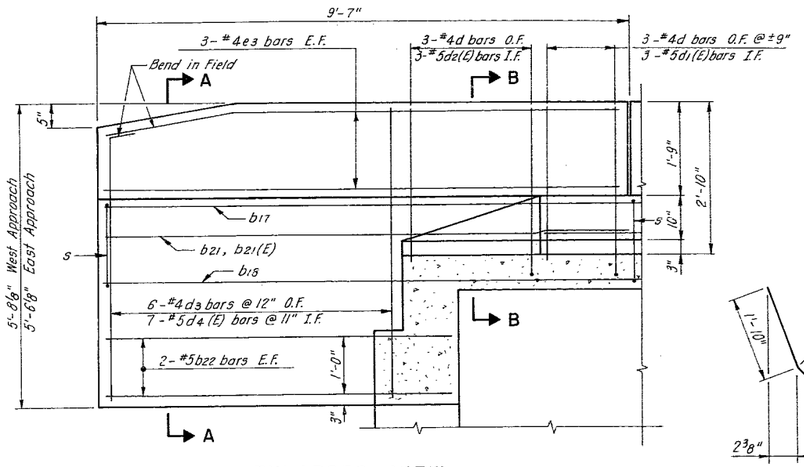
SHEET 1 OF 15

Rev. No. of Reinf. Bars from 117,540# to 118,220# total from 130,630# to 131,310#, Reinf. Bars Epoxy Coated Super & Total from 71,320# to 71,570#. 1-26-79 D.D.

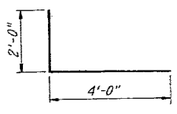
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. RT. 607	125 - BR	LA SALLE	23	7
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



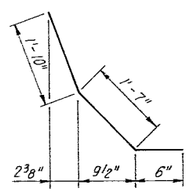
ELEVATION



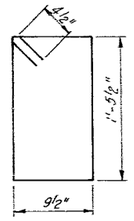
ENLARGED VIEW



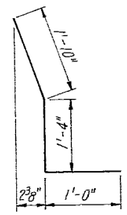
Bar b24



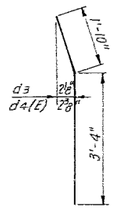
Bar d1(E)



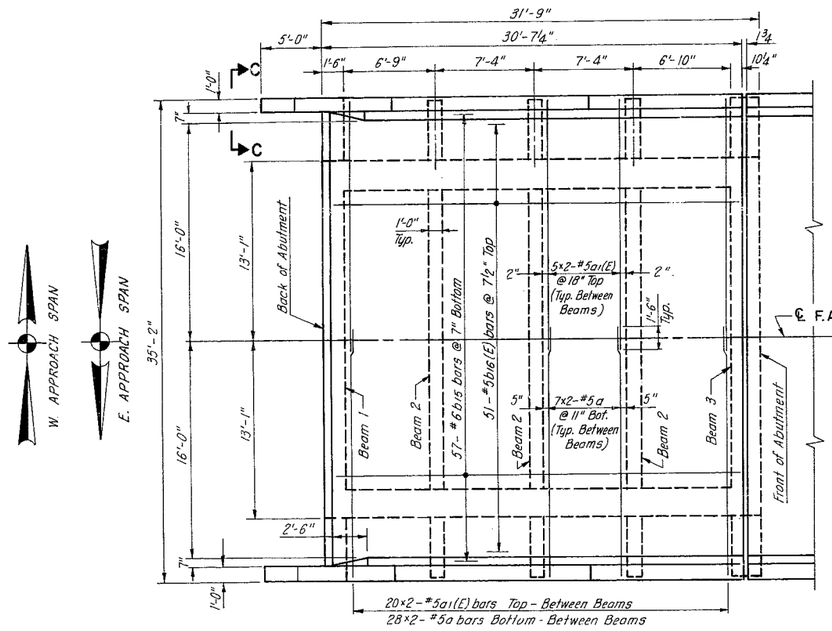
Bar s



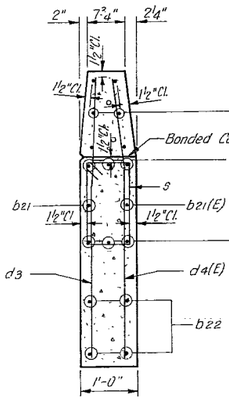
Bar d2(E)



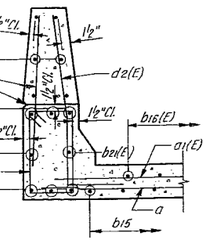
Bars d3 & d4(E)



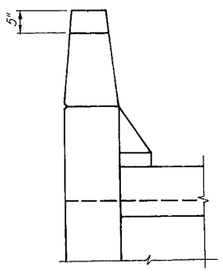
PLAN



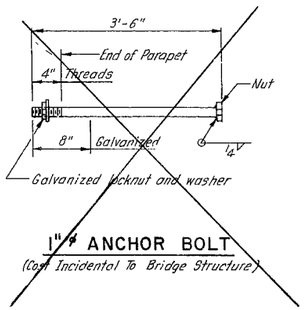
SECTION A - A



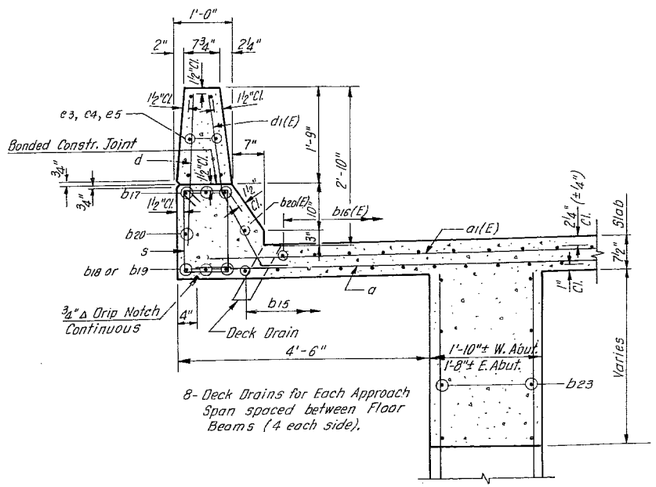
SECTION B - B



VIEW C-C



1" ϕ ANCHOR BOLT
(Cost Incidental To Bridge Structure)



8- Deck Drains for Each Approach Span spaced between Floor Beams (4 each side).

SECTION THRU PARAPET

APPROACH SPAN BILL OF MATERIAL ⊛

Bar	No.	Size	Length	Shape
a	112	#5	15'-0"	
a1(E)	80	#5	17'-9"	
b15	114	#6	23'-9"	
b16(E)	102	#5	23'-5"	
b17	12	#8	35'-3"	
b18	12	#5	21'-2"	
b19	12	#5	15'-9"	
b20	4	#5	27'-3"	
b20(E)	4	#5	27'-3"	
b21	4	#5	9'-3"	
b21(E)	4	#5	9'-3"	
b22	15	#5	5'-2"	
b23	32	#5	28'-0"	
b24	24	#5	6'-5"	L
d	132	#4	2'-9"	
d1(E)	128	#5	3'-11"	L
d2(E)	12	#5	4'-2"	L
d3	24	#4	5'-2"	\
d4(E)	28	#5	5'-2"	\
e3	24	#4	9'-3"	
e4	24	#4	14'-4"	
e5	24	#4	19'-5"	
s	144	#4	5'-3"	S

Reinforcement Bars	Lbs.	11 520
Reinforcement Bars (Epoxy Coated)	Lbs.	5 520
Class X Concrete	Cu.Yds.	124.0
Protective Coat	Sq.Yds.	56

⊛ Includes East & West Approach Spans

NOTES:

For Parapet Joint Details, Deck Drain Details and Limits of Protective Coat See Sheet No. 5.

For Typical Cross Section See Sheet No. 4.

For Beam Details and Reinforcement See Sheet No. 3.

DESIGNED BY A.T.
DRAWN BY V.P.
CHECKED BY A.T.

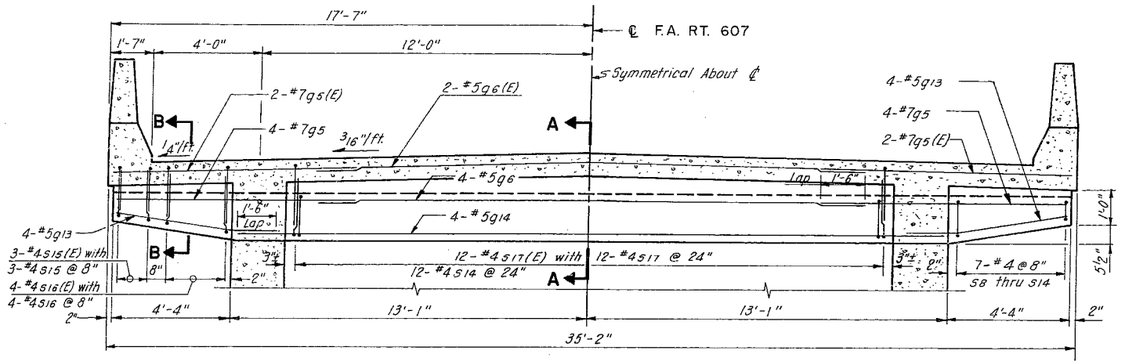
Rev. 1-26-79 Deleted Anchor Bolt Details D.D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79
APPROACH SPANS
F.A. RT. 607 LA SALLE COUNTY SECTION 125 - BR

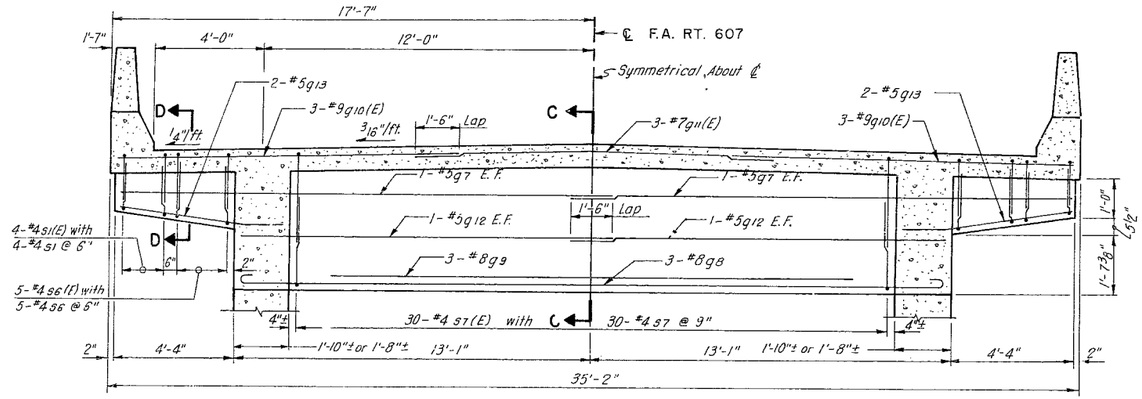
CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 2 OF 15

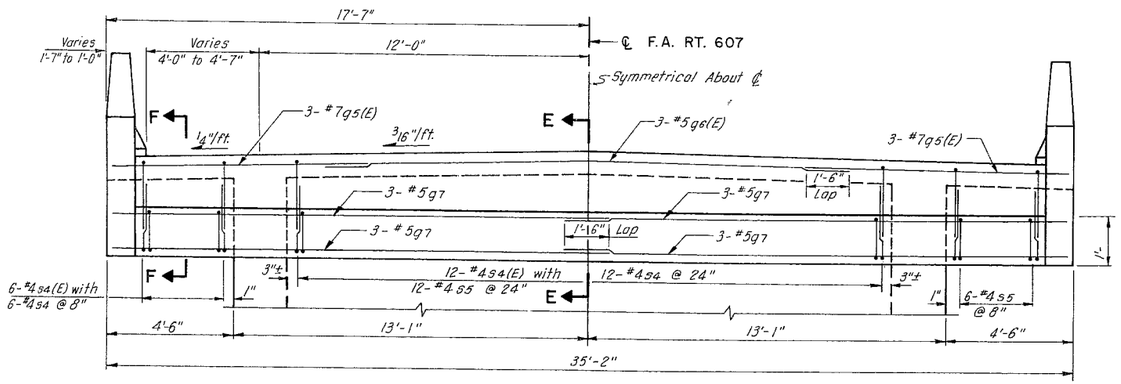
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. RT. 607	125–BR	LA SALLE	23	8
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



BEAM 3

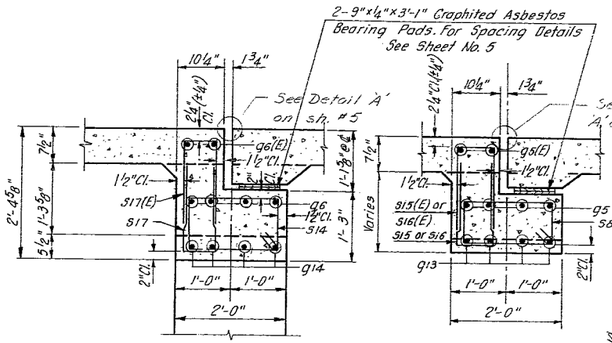


BEAM 2



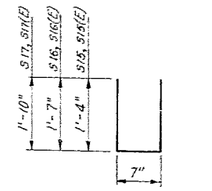
BEAM 1

NOTE: When epoxy coated stirrups designated (E) are paired with uncoated stirrups, place the coated stirrups on the top.

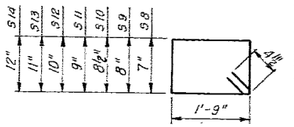


SECTION A-A

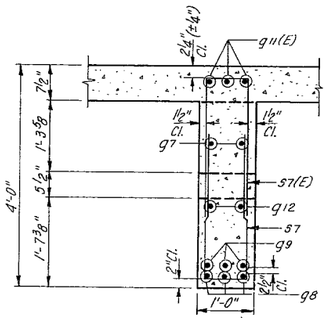
SECTION B-B



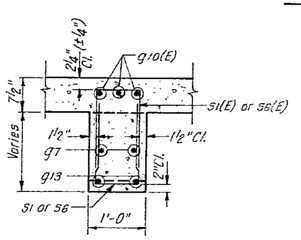
Bars S15, S16, S17, S15(E), S16(E) & S17(E)



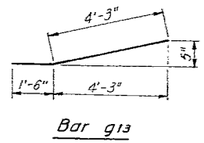
Bars s8 thru s14



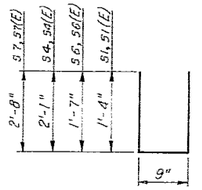
SECTION C-C



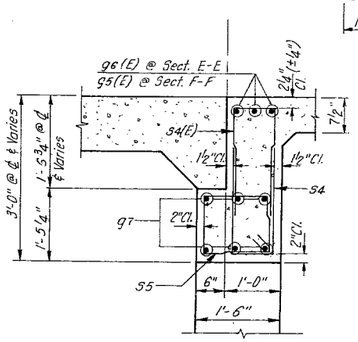
SECTION D-D



Bar g13

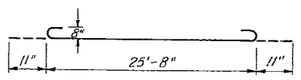


Bars S1, S4, S6, S7 S1(E), S4(E), S6(E) & S7(E)

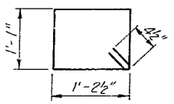


SECTION E-E

SECTION F-F



Bar g8



Bar s5

For Notes See Sheet No. 4

APPROACH BEAM BILL OF MATERIAL ⊛

Bar	No.	Size	Length	Shape
BEAM 1 (2-REQ'D)				
g5(E)	6	#7	3'-5"	
g6(E)	3	#5	19'-11"	
g7	12	#5	18'-0"	
s4	24	#4	4'-11"	
s4(E)	24	#4	4'-11"	
s5	24	#4	5'-4"	
Reinforcement Bars			Lbs.	390
Reinforcement Bars (Epoxy Coated)			Lbs.	260
BEAM 2 (6-REQ'D)				
g7	4	#5	18'-5"	
g8	3	#8	27'-5"	
g9	3	#8	19'-0"	
g10(E)	6	#9	12'-5"	
g11(E)	3	#7	13'-5"	
g12	4	#5	13'-7"	
g13	4	#5	5'-9"	
s1	8	#4	3'-5"	
s1(E)	8	#4	3'-5"	
s6	10	#4	3'-11"	
s6(E)	10	#4	3'-11"	
s7	30	#4	5'-1"	
s7(E)	30	#4	5'-1"	
Reinforcement Bars			Lbs.	700
Reinforcement Bars (Epoxy Coated)			Lbs.	500
BEAM 3 (2-REQ'D)				
g5	8	#7	5'-5"	
g5(E)	4	#7	9'-5"	
g6	4	#5	19'-10"	
g6(E)	2	#5	19'-10"	
g13	8	#5	5'-9"	
g14	4	#5	25'-0"	
s8	2	#4	5'-5"	
s9	2	#4	5'-7"	
s10	2	#4	5'-8"	
s11	2	#4	5'-9"	
s12	2	#4	5'-11"	
s13	2	#4	6'-1"	
s14	14	#4	5'-3"	
s15	6	#4	3'-3"	
s15(E)	6	#4	3'-3"	
s16	8	#4	3'-9"	
s16(E)	8	#4	3'-9"	
s17	12	#4	4'-3"	
s17(E)	12	#4	4'-3"	
Reinforcement Bars			Lbs.	560
Reinforcement Bars (Epoxy Coated)			Lbs.	180

⊛ Class X Concrete for Approach Span Beams is billed with Approach Spans on Sheet No. 2

DESIGNED BY S. K.
DRAWN BY V. P.
CHECKED BY A. T.

Rev. Sec. A-A & B-B 1-26-79 D. D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F. A. RTE. 607 – (U. S. RTE. 52)
OVER
FOX RIVER
STA. 353+79

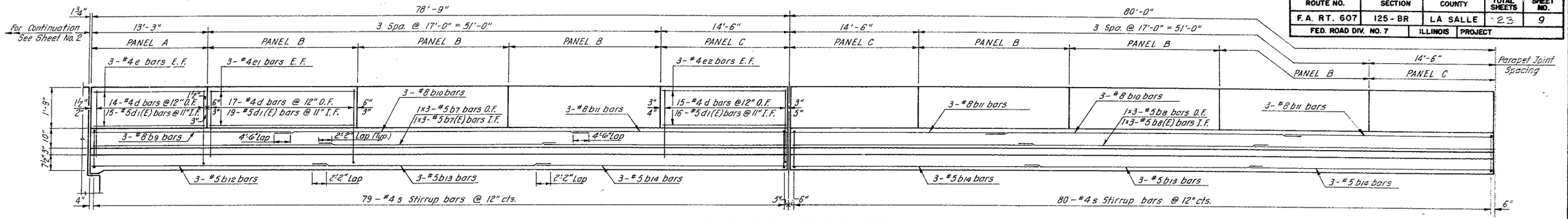
APPROACH SPAN BEAM DETAILS

F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

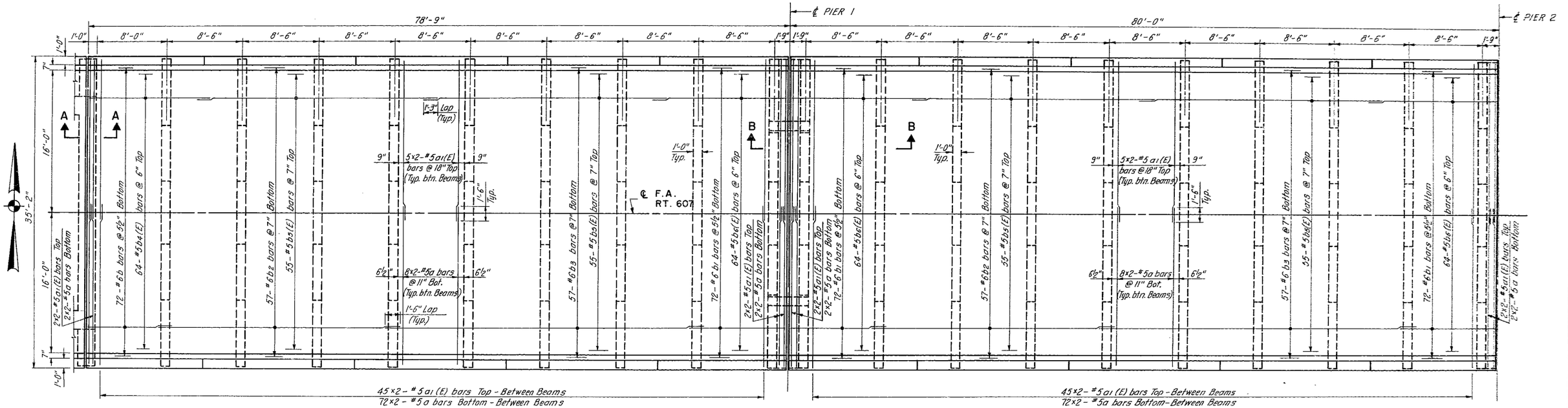
CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 3 of 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125-BR	LA SALLE	23	9
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



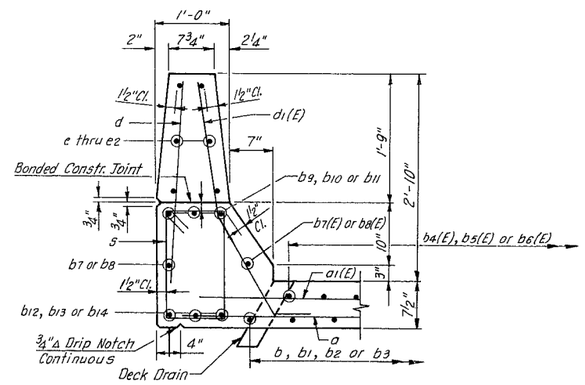
ELEVATION OF PARAPET



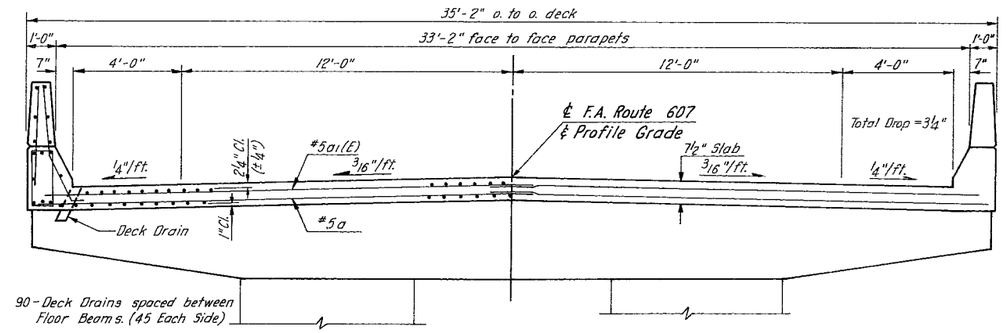
SPAN 1 (SPAN 5 SAME)

SPAN 2 (SPAN 3 & 4 SAME)

PARTIAL PLAN



SECTION THRU PARAPET



TYPICAL CROSS SECTION

NOTES:

Bars indicated thus 10x3-#5 etc. indicates 10 lines of bars with 3 lengths per line.

Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

For Superstructure Details, Section and Bill of Material See Sheet No. 5.

DESIGNED BY A.T.
DRAWN BY V.P.
CHECKED BY A.T.

Rev. Bar Laps 1-26-79 D.D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79

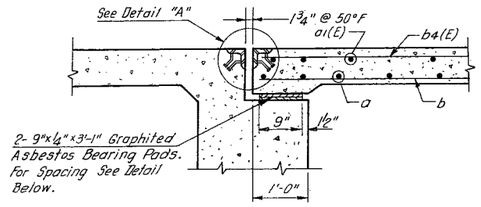
SUPERSTRUCTURE SPANS

F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

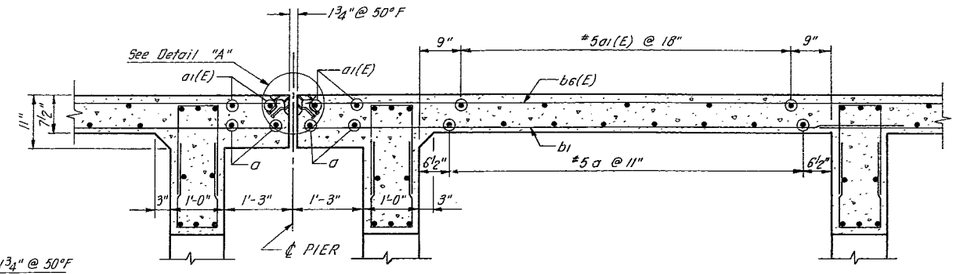
CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 4 OF 15

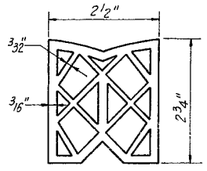
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. RT. 607	125 - BR	LA SALLE	23	10
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



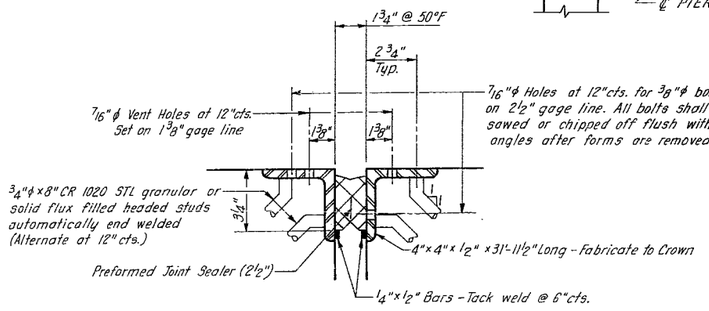
SECTION A - A



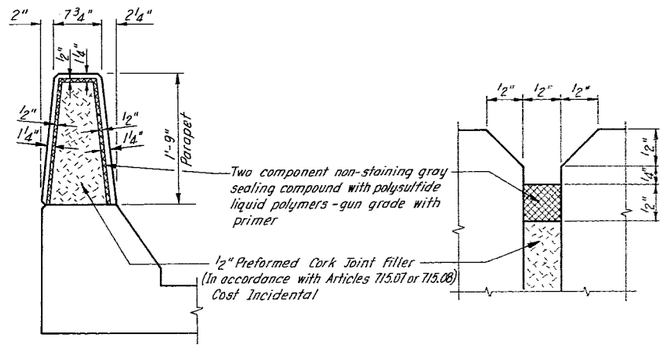
SECTION B - B



PREFORMED JOINT SEALER (2½")



DETAIL "A"



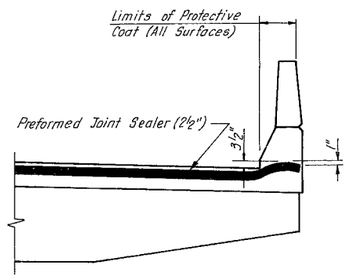
PARAPET JOINT DETAILS

SUPERSTRUCTURE (*) BILL OF MATERIAL

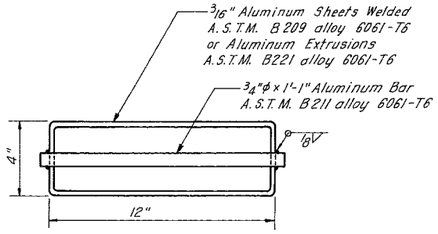
Bar	No.	Size	Length	Shape
a	760	#5	18'-0"	——
a1(E)	490	#5	17'-9"	——
b	144	#6	9'-7"	——
b1	576	#6	10'-9"	——
b2	285	#6	27'-0"	——
b3	285	#6	35'-6"	——
b4(E)	128	#5	13'-9"	——
b5(E)	550	#5	26'-9"	——
b6(E)	512	#5	14'-11"	——
b7	12	#5	27'-7"	——
b7(E)	12	#5	27'-7"	——
b8	18	#5	26'-0"	——
b8(E)	18	#5	26'-0"	——
b9	12	#8	23'-10"	——
b10	30	#8	38'-6"	——
b11	48	#8	25'-0"	——
b12	12	#5	25'-11"	——
b13	30	#5	27'-8"	——
b14	48	#5	28'-2"	——
d	806	#4	2'-9"	⌐
d1(E)	886	#5	3'-11"	⌐
e	24	#4	12'-11"	——
e1	180	#4	16'-2"	——
e2	96	#4	14'-2"	——
s	796	#4	5'-3"	□

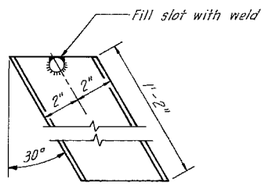
Reinforcement Bars	Lbs.	70,320
Reinforcement Bars (Epoxy Coated)	Lbs.	38,710
Class X Concrete	Cu.Yds.	521.1
Removal of Concrete Deck	L.S.	1
Preformed Joint Sealer (2½")	Lin.Ft.	210
Structural Steel	Lbs.	5,074
Protective Coat	Sq.Yds.	313

(*) Reinforcement Bars for Floor Beams is billed on Sheet No. 2.

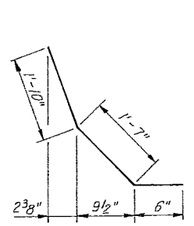


TYPICAL END OF SEALER TREATMENT AND LIMITS OF PROTECTIVE COAT

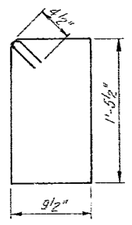




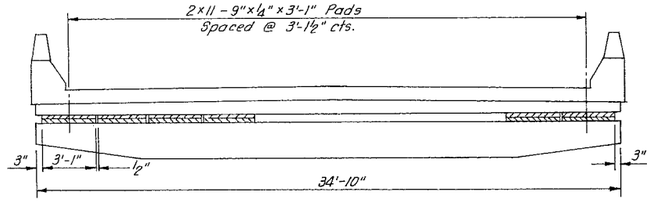
FLOOR DRAIN DETAILS
(Cost Incidental to Class X Concrete)



Bar d1(E)



Bar s



SPACING OF GRAPHITED ASBESTOS BEARING PADS
(Cost Incidental to Class X Concrete)

DESIGNED BY A. T.
DRAWN BY V. P.
CHECKED BY A. T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79

SUPERSTRUCTURE DETAILS

F.A. RT. 607 LA SALLE COUNTY SECTION 125 - BR

CHRISTIAN - ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 5 OF 15

Rev. Reinf Bars from 69,790# to 70,320#, Reinf. Bars Epoxy Coated from 38,690# to 38,710# 1-26-79 D. D.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	11
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		

℄ F.A. RT. 607 – (U.S. RT. 52)

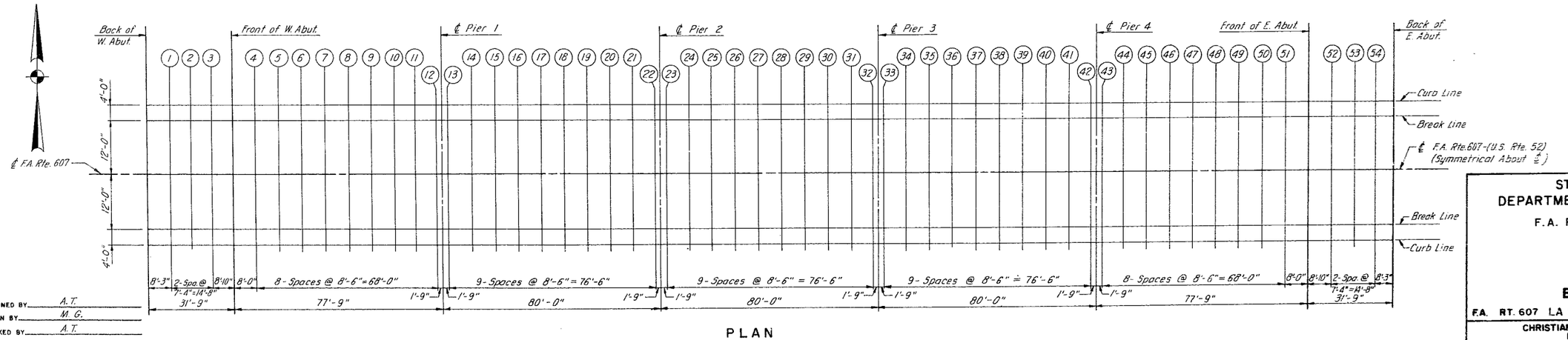
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
BK. W. ABUT.	35149.500	0.000	107.945
1	35157.750	0.000	107.755
2	35165.083	0.000	107.592
3	35172.416	0.000	107.434
FRONT W. ABUT.	35181.250	0.000	107.250
4	35189.250	0.000	107.090
5	35197.750	0.000	106.927
6	35206.250	0.000	106.771
7	35214.750	0.000	106.622
8	35223.250	0.000	106.479
9	35231.750	0.000	106.344
10	35240.250	0.000	106.215
11	35248.750	0.000	106.093
12	35257.250	0.000	105.978
℄ PIER 1	35259.000	0.000	105.955
13	35260.750	0.000	105.933
14	35269.250	0.000	105.829
15	35277.750	0.000	105.729
16	35286.250	0.000	105.638
17	35294.750	0.000	105.552
18	35303.250	0.000	105.467
19	35311.750	0.000	105.382
20	35320.250	0.000	105.297
21	35328.750	0.000	105.212
22	35337.250	0.000	105.127
℄ PIER 2	35339.000	0.000	105.110
23	35340.750	0.000	105.092
24	35349.250	0.000	105.007
25	35357.750	0.000	104.922
26	35366.250	0.000	104.837
27	35374.750	0.000	104.752
28	35383.250	0.000	104.667
29	35391.750	0.000	104.582
30	35400.250	0.000	104.497
31	35408.750	0.000	104.412
32	35417.250	0.000	104.327
℄ PIER 3	35419.000	0.000	104.310
33	35420.750	0.000	104.292
34	35429.250	0.000	104.207
35	35437.750	0.000	104.122
36	35446.250	0.000	104.037
37	35454.750	0.000	103.952
38	35463.250	0.000	103.867
39	35471.750	0.000	103.782
40	35480.250	0.000	103.697
41	35488.750	0.000	103.612
42	35497.250	0.000	103.527
℄ PIER 4	35499.000	0.000	103.510
43	35500.750	0.000	103.492
44	35509.250	0.000	103.407
45	35517.750	0.000	103.322
46	35526.250	0.000	103.237
47	35534.750	0.000	103.152
48	35543.250	0.000	103.067
49	35551.750	0.000	102.982
50	35560.250	0.000	102.897
51	35568.750	0.000	102.812
FRONT E. ABUT.	35576.750	0.000	102.732
52	35585.583	0.000	102.644
53	35592.916	0.000	102.570
54	35600.250	0.000	102.497
BK. E. ABUT.	35608.500	0.000	102.415

BREAK LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
BK. W. ABUT.	35149.500	12.000	107.757
1	35157.750	12.000	107.567
2	35165.083	12.000	107.404
3	35172.416	12.000	107.246
FRONT W. ABUT.	35181.250	12.000	107.063
4	35189.250	12.000	106.903
5	35197.750	12.000	106.740
6	35206.250	12.000	106.584
7	35214.750	12.000	106.434
8	35223.250	12.000	106.292
9	35231.750	12.000	106.156
10	35240.250	12.000	106.027
11	35248.750	12.000	105.906
12	35257.250	12.000	105.791
℄ PIER 1	35259.000	12.000	105.768
13	35260.750	12.000	105.745
14	35269.250	12.000	105.640
15	35277.750	12.000	105.542
16	35286.250	12.000	105.450
17	35294.750	12.000	105.365
18	35303.250	12.000	105.280
19	35311.750	12.000	105.199
20	35320.250	12.000	105.110
21	35328.750	12.000	105.025
22	35337.250	12.000	104.940
℄ PIER 2	35339.000	12.000	104.922
23	35340.750	12.000	104.905
24	35349.250	12.000	104.820
25	35357.750	12.000	104.735
26	35366.250	12.000	104.650
27	35374.750	12.000	104.565
28	35383.250	12.000	104.480
29	35391.750	12.000	104.395
30	35400.250	12.000	104.310
31	35408.750	12.000	104.225
32	35417.250	12.000	104.140
℄ PIER 3	35419.000	12.000	104.122
33	35420.750	12.000	104.105
34	35429.250	12.000	104.020
35	35437.750	12.000	103.935
36	35446.250	12.000	103.850
37	35454.750	12.000	103.765
38	35463.250	12.000	103.680
39	35471.750	12.000	103.595
40	35480.250	12.000	103.510
41	35488.750	12.000	103.425
42	35497.250	12.000	103.340
℄ PIER 4	35499.000	12.000	103.322
43	35500.750	12.000	103.305
44	35509.250	12.000	103.220
45	35517.750	12.000	103.135
46	35526.250	12.000	103.050
47	35534.750	12.000	102.965
48	35543.250	12.000	102.880
49	35551.750	12.000	102.795
50	35560.250	12.000	102.710
51	35568.750	12.000	102.625
FRONT E. ABUT.	35576.750	12.000	102.545
52	35585.583	12.000	102.456
53	35592.916	12.000	102.383
54	35600.250	12.000	102.310
BK. E. ABUT.	35608.500	12.000	102.227

CURB LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
BK. W. ABUT.	35149.500	16.000	107.674
1	35157.750	16.000	107.484
2	35165.083	16.000	107.321
3	35172.416	16.000	107.163
FRONT W. ABUT.	35181.250	16.000	106.980
4	35189.250	16.000	106.820
5	35197.750	16.000	106.657
6	35206.250	16.000	106.500
7	35214.750	16.000	106.351
8	35223.250	16.000	106.209
9	35231.750	16.000	106.073
10	35240.250	16.000	105.944
11	35248.750	16.000	105.822
12	35257.250	16.000	105.708
℄ PIER 1	35259.000	16.000	105.685
13	35260.750	16.000	105.662
14	35269.250	16.000	105.557
15	35277.750	16.000	105.459
16	35286.250	16.000	105.367
17	35294.750	16.000	105.281
18	35303.250	16.000	105.196
19	35311.750	16.000	105.111
20	35320.250	16.000	105.026
21	35328.750	16.000	104.941
22	35337.250	16.000	104.856
℄ PIER 2	35339.000	16.000	104.839
23	35340.750	16.000	104.821
24	35349.250	16.000	104.736
25	35357.750	16.000	104.651
26	35366.250	16.000	104.566
27	35374.750	16.000	104.481
28	35383.250	16.000	104.396
29	35391.750	16.000	104.311
30	35400.250	16.000	104.226
31	35408.750	16.000	104.141
32	35417.250	16.000	104.056
℄ PIER 3	35419.000	16.000	104.039
33	35420.750	16.000	104.021
34	35429.250	16.000	103.936
35	35437.750	16.000	103.851
36	35446.250	16.000	103.766
37	35454.750	16.000	103.681
38	35463.250	16.000	103.596
39	35471.750	16.000	103.511
40	35480.250	16.000	103.426
41	35488.750	16.000	103.341
42	35497.250	16.000	103.256
℄ PIER 4	35499.000	16.000	103.239
43	35500.750	16.000	103.221
44	35509.250	16.000	103.136
45	35517.750	16.000	103.051
46	35526.250	16.000	102.966
47	35534.750	16.000	102.881
48	35543.250	16.000	102.796
49	35551.750	16.000	102.711
50	35560.250	16.000	102.626
51	35568.750	16.000	102.541
FRONT E. ABUT.	35576.750	16.000	102.461
52	35585.583	16.000	102.373
53	35592.916	16.000	102.300
54	35600.250	16.000	102.226
BK. E. ABUT.	35608.500	16.000	102.144



PLAN

DESIGNED BY A.T.
DRAWN BY M. G.
CHECKED BY A.T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353 + 79

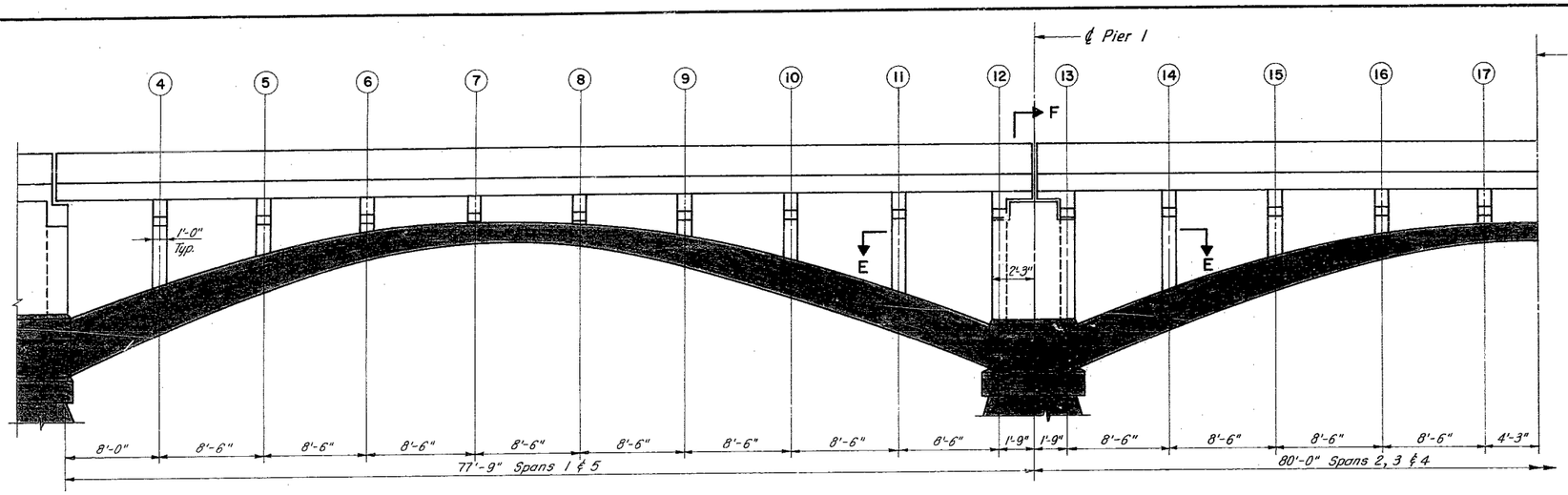
ELEVATIONS

F.A. RT. 607 LA SALLE COUNTY SECTION 125 - BR

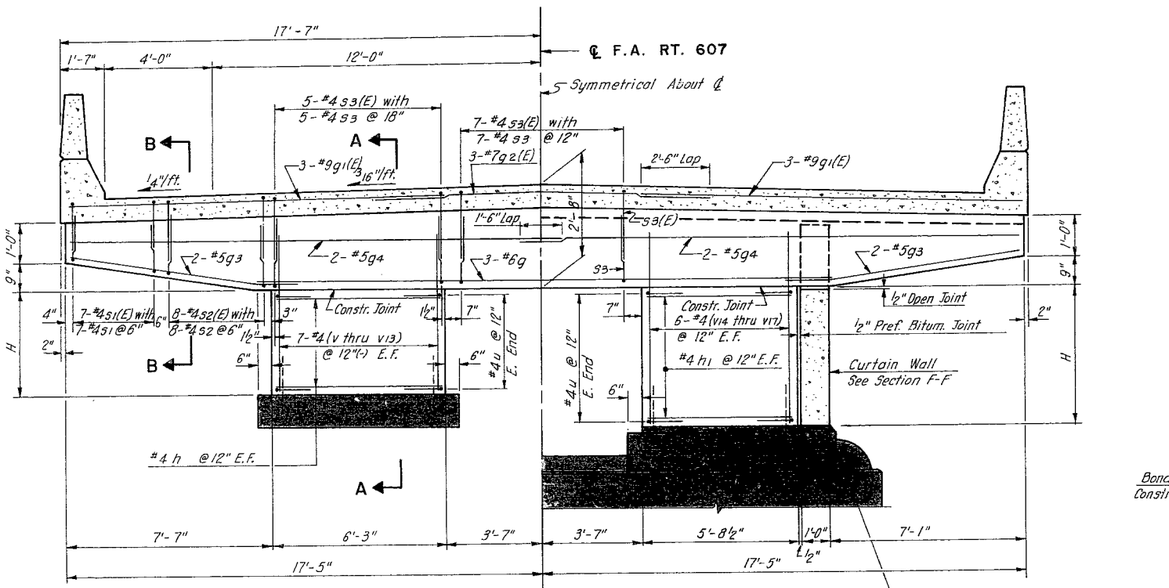
CHRISTIAN - ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 6 OF 15

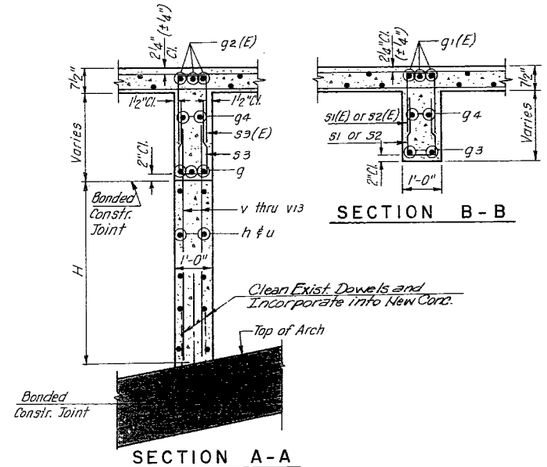
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. RT. 607	125-BR	LA SALLE	23	12
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



PARTIAL ELEVATION



TYPICAL CROSS SECTION EXCEPT AT LOCATIONS 12, 13, 22, 23, 32, 33, 42 & 43

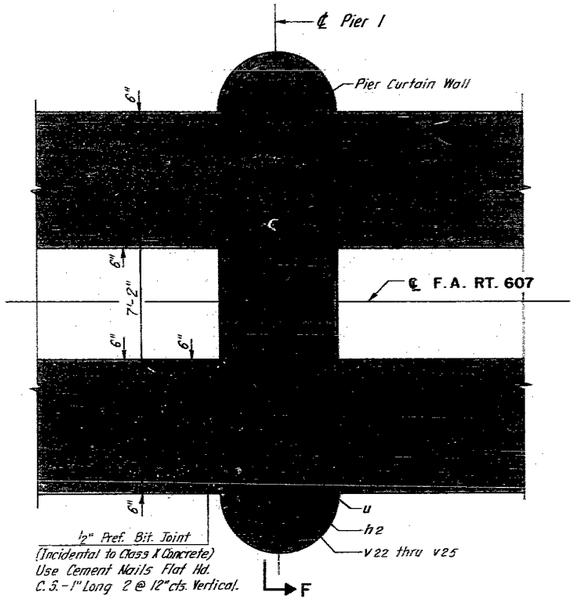


SECTION A-A

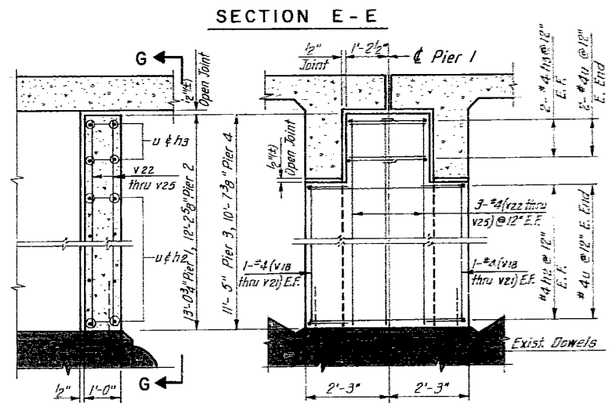
SECTION B-B

TYPICAL CROSS SECTION AT LOCATIONS 12, 13, 22, 23, 32, 33, 42, & 43

NOTE: When epoxy coated stirrups designated (E) are paired with uncoated stirrups, place the epoxy coated stirrups on the top.



SECTION E-E



SECTION F-F

SECTION G-G

DESIGNED BY A. T.
DRAWN BY V. P.
CHECKED BY A. T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F. A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79

FLOOR BEAM AND COLUMN DETAILS

F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 7 OF 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	13
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		

COLUMN SCHEDULE

SPAN 1

COLUMN (2-REQ'D)

LOCATION	H	Bar	No.	Size	Length	Reinf. Lbs.	Conc. Cu. Yds.
4	9'-8 5/8"	h	20	#4	6'-0"		
		v	14	#4	11'-2"		
		u	20	#4	3'-3"		
						227.9	2.2497
5	6'-11 5/8"	h	14	#4	6'-0"		
		v1	14	#4	8'-7"		
		u	14	#4	3'-3"		
						166.6	1.6132
6	5'-1 3/4"	h	12	#4	6'-0"		
		v2	14	#4	6'-8"		
		u	12	#4	3'-3"		
						136.3	1.1911
7	4'-2 1/4"	h	10	#4	6'-0"		
		v3	14	#4	5'-8"		
		u	10	#4	3'-3"		
						114.6	.9693
8	4'-0 1/2"	h	8	#4	6'-0"		
		v3	14	#4	5'-8"		
		u	8	#4	3'-3"		
						102.2	.9356
9	4'-8 5/8"	h	10	#4	6'-0"		
		v4	14	#4	6'-6"		
		u	10	#4	3'-3"		
						122.4	1.0923
10	6'-3 1/8"	h	14	#4	6'-0"		
		v5	14	#4	7'-9"		
		u	14	#4	3'-3"		
						158.8	1.4492
11	8'-8 5/8"	h	18	#4	6'-0"		
		v6	14	#4	10'-3"		
		u	18	#4	3'-3"		
						206.9	2.0182
12	11'-6 3/4"	h1	24	#4	5'-5"		
		v14	12	#4	13'-1"		
		u	24	#4	3'-3"		
						243.7	2.4445

SPAN 2

COLUMN (2-REQ'D)

LOCATION	H	Bar	No.	Size	Length	Reinf. Lbs.	Conc. Cu. Yds.
13	11'-6 1/4"	h1	24	#4	5'-5"		
		v14	12	#4	13'-1"		
		u	24	#4	3'-3"		
						243.7	2.4357
14	8'-5 3/8"	h	18	#4	6'-0"		
		v6	14	#4	10'-3"		
		u	18	#4	3'-3"		
						206.9	1.9555
15	5'-9 1/4"	h	12	#4	6'-0"		
		v7	14	#4	7'-4"		
		u	12	#4	3'-3"		
						142.5	1.3358
16	4'-0 1/8"	h	8	#4	6'-0"		
		v3	14	#4	5'-8"		
		u	8	#4	3'-3"		
						102.2	.9283
17	3'-1 3/8"	h	6	#4	6'-0"		
		v8	14	#4	4'-9"		
		u	6	#4	3'-3"		
						81.4	.7210
18	3'-0 3/8"	h	6	#4	6'-0"		
		v8	14	#4	4'-9"		
		u	6	#4	3'-3"		
						81.4	.7017
19	3'-9 1/8"	h	8	#4	6'-0"		
		v9	14	#4	5'-4"		
		u	8	#4	3'-3"		
						99.1	.8705
20	5'-4 1/8"	h	12	#4	6'-0"		
		v7	14	#4	7'-4"		
		u	12	#4	3'-3"		
						142.5	1.2370
21	7'-10"	h	16	#4	6'-0"		
		v10	14	#4	9'-4"		
		u	16	#4	3'-3"		
						186.0	1.8133
22	10'-8 1/2"	h1	22	#4	5'-5"		
		v15	12	#4	12'-3"		
		u	22	#4	3'-3"		
						225.4	2.2639

SPAN 3

COLUMN (2-REQ'D)

LOCATION	H	Bar	No.	Size	Length	Reinf. Lbs.	Conc. Cu. Yds.
23	10'-8 1/8"	h1	22	#4	5'-5"		
		v15	12	#4	12'-3"		
		u	22	#4	3'-3"		
						225.4	2.2573
24	7'-7 5/8"	h	16	#4	6'-0"		
		v10	14	#4	9'-4"		
		u	16	#4	3'-3"		
						186.0	1.7675
25	4'-11 1/2"	h	10	#4	6'-0"		
		v4	14	#4	6'-6"		
		u	10	#4	3'-3"		
						122.4	1.1478
26	3'-2 1/2"	h	6	#4	6'-0"		
		v8	14	#4	4'-9"		
		u	6	#4	3'-3"		
						81.4	.7427
27	2'-3 3/4"	h	6	#4	6'-0"		
		v11	14	#4	3'-11"		
		u	6	#4	3'-3"		
						73.6	.5353
28	2'-2 3/4"	h	4	#4	6'-0"		
		v11	14	#4	3'-11"		
		u	4	#4	3'-3"		
						61.2	.5160
29	2'-11 1/2"	h	6	#4	6'-0"		
		v8	14	#4	4'-9"		
		u	6	#4	3'-3"		
						81.4	.6948
30	4'-6 1/2"	h	10	#4	6'-0"		
		v4	14	#4	6'-6"		
		u	10	#4	3'-3"		
						122.4	1.0513
31	7'-0 1/2"	h	14	#4	6'-0"		
		v1	14	#4	8'-7"		
		u	14	#4	3'-3"		
						166.6	1.6300
32	9'-11"	h1	20	#4	5'-5"		
		v16	12	#4	11'-5"		
		u	20	#4	3'-3"		
						207.2	2.0966

SPAN 4

COLUMN (2-REQ'D)

LOCATION	H	Bar	No.	Size	Length	Reinf. Lbs.	Conc. Cu. Yds.
33	9'-10 1/2"	h1	20	#4	5'-5"		
		v16	12	#4	11'-5"		
		u	20	#4	3'-3"		
						207.2	2.0878
34	6'-10"	h	14	#4	6'-0"		
		v1	14	#4	8'-7"		
		u	14	#4	3'-3"		
						166.6	1.5817
35	4'-2"	h	8	#4	6'-0"		
		v3	14	#4	5'-8"		
		u	8	#4	3'-3"		
						102.2	.9645
36	2'-5"	h	6	#4	6'-0"		
		v11	14	#4	3'-11"		
		u	6	#4	3'-3"		
						73.6	.5594
37	1'-6 1/4"	h	4	#4	6'-0"		
		v12	14	#4	3'-2"		
		u	4	#4	3'-3"		
						54.2	.3520
38	1'-5 1/8"	h	4	#4	6'-0"		
		v12	14	#4	3'-2"		
		u	4	#4	3'-3"		
						54.2	.3303
39	2'-1 7/8"	h	4	#4	6'-0"		
		v11	14	#4	3'-11"		
		u	4	#4	3'-3"		
						61.2	.4991
40	3'-8 7/8"	h	8	#4	6'-0"		
		v9	14	#4	5'-4"		
		u	8	#4	3'-3"		
						99.1	.8656
41	6'-2 7/8"	h	12	#4	6'-0"		
		v5	14	#4	7'-9"		
		u	12	#4	3'-3"		
						146.4	1.4444
42	9'-1 3/8"	h1	18	#4	5'-5"		
		v17	12	#4	10'-8"		
		u	18	#4	3'-3"		
						189.6	1.9270

SPAN 5

COLUMN (2-REQ'D)

LOCATION	H	Bar	No.	Size	Length	Reinf. Lbs.	Conc. Cu. Yds.
43	9'-0 7/8"	h1	18	#4	5'-5"		
		v17	12	#4	10'-8"		
		u	18	#4	3'-3"		
						189.6	1.9182
44	6'-0 3/8"	h	12	#4	6'-0"		
		v5	14	#4	7'-9"		
		u	12	#4	3'-3"		
						146.0	1.3961
45	3'-4 3/8"	h	8	#4	6'-0"		
		v9	14	#4	5'-4"		
		u	8	#4	3'-3"		
						99.1	.7788
46	1'-7 3/8"	h	4	#4	6'-0"		
		v12	14	#4	3'-2"		
		u	4	#4	3'-3"		
						54.2	.3738
47	0'-8 5/8"	h	2	#4	6'-0"		
		v13	14	#4	2'-3"		
		u	2	#4	3'-3"		
						33.3	.1664
48	0'-7 1/8"	h	2	#4	6'-0"		
		v13	14	#4	2'-3"		
		u	2	#4	3'-3"		
						33.3	.1447
49	1'-4 1/4"	h	4	#4	6'-0"		
		v12	14	#4	3'-2"		
		u	4	#4	3'-3"		
						54.2	.3135
50	2'-11 1/4"	h	6	#4	6'-0"		
		v8	14	#4	4'-9"		
		u	6	#4	3'-3"		
						81.4	.6800
51	5'-5 1/4"	h	12	#4	6'-0"		
		v7	14	#4	7'-4"		
		u	12	#4	3'-3"		
						142.5	1.2587

NOTE: All h and v Bars are Straight.

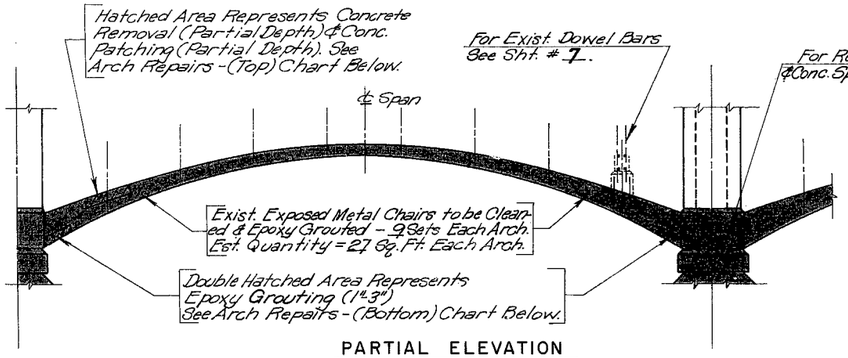
TOTAL BILL OF MATERIAL FOR COLUMNS

Reinforcement Bars	Lbs.	12,612
Class X Concrete	Cu. Yds.	116.6

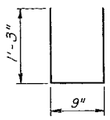
FLOOR BEAM & CURTAIN WALL BILL OF MATERIAL ⊛

	Bar	No.	Size	Length	Shape
FLOOR BEAMS (48-REQ'D)	g	3	#6	20'-8"	
	g1(E)	6	#9	13'-10"	
	g2(E)	3	#7	11'-10"	
	g3	4	#5	8'-6"	
	g4	4	#5	18'-0"	
	s1	14	#4	3'-5"	
	s1(E)	14	#4	3'-5"	
	s2	16	#4	4'-1"	
	s2(E)	16	#4	4'-1"	
	s3	17	#4	4'-9"	
	s3(E)	17	#4	4'-9"	
	Reinforcement Bars		Lbs.	3329	
	Reinforcement Bars (Epoxy Coated)		Lbs.	484.0	
PIER CURTAIN WALLS (2-REQ'D) PIER 1	h2	22	#4	4'-3"	
	h3	4	#4	2'-0"	
	v22	6	#4	12'-10"	
	v18	4	#4	11'-4"	
	u	26	#4	3'-3"	
PIER 2	h2	22	#4	4'-3"	
	h3	4	#4	2'-0"	
	v23	6	#4	12'-0"	
	v19	4	#4	10'-6"	
	u	26	#4	3'-3"	
PIER 3	h2	20	#4	4'-3"	
	h3	4	#4	2'-0"	
	v24	6	#4	11'-3"	
	v20	4	#4	9'-6"	
	u	24	#4	3'-3"	
PIER 4	h2	18	#4	4'-3"	
	h3	4	#4	2'-0"	
	v25	6	#4	10'-5"	
	v21	4	#4	8'-10"	
	u	22	#4	3'-3"	
	Reinforcement Bars		Lbs.	770	
	Class X Concrete		Cu. Yds.	14.8	

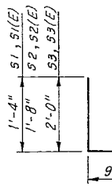
⊛ Class X Concrete for Floor Beams is billed with Superstructure Bill of Materials on Sheet No. 5.



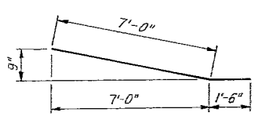
PARTIAL ELEVATION SHOWING ARCH REPAIRS



Bar u



Bars s1, s2, s3
s1(E), s2(E) & s3(E)



Bar g3

BILL OF MATERIAL * FOR ARCH REPAIR

Item	Unit	Quantity
Concrete Removal (Partial Depth)	Cu.Yd.	1.0
Concrete Patching (Partial Depth)	Cu.Yd.	1.0
Epoxy Grout (1"-3")	Sq.Ft.	336

* See Special Provisions.

ARCH REPAIRS - TOP

Partial Depth (1½") Conc. Rem. & Conc. Patching

SPAN / LOCATION	1	2	3	4	5	total Cu.Yd.
N. Arch	0.06	0.12	0.06	0.06	0.06	0.36
S. Arch	0.12	0.18	0.12	0.12	0.12	0.66
total CU.YD.	0.18	0.30	0.18	0.18	0.18	1.02

ARCH REPAIRS - BOTTOM

EPOXY GROUT (1"-3")

SPAN / LOCATION	1	2	3	4	5	total Sq.Ft.
N. Arch	6	12	6	6	6	36
S. Arch	5	10	5	5	5	30
total SQ.FT.	11	22	11	11	11	66

Note: Work This Sheet with Sheet No. 7.

Note:
Concrete Removal (Partial Depth) & Concrete Patching (Partial Depth) shall be done at the locations shown on the plans & as directed by the Engineer in the field.

DESIGNED BY A. T.
DRAWN BY V. P.
CHECKED BY A. T.

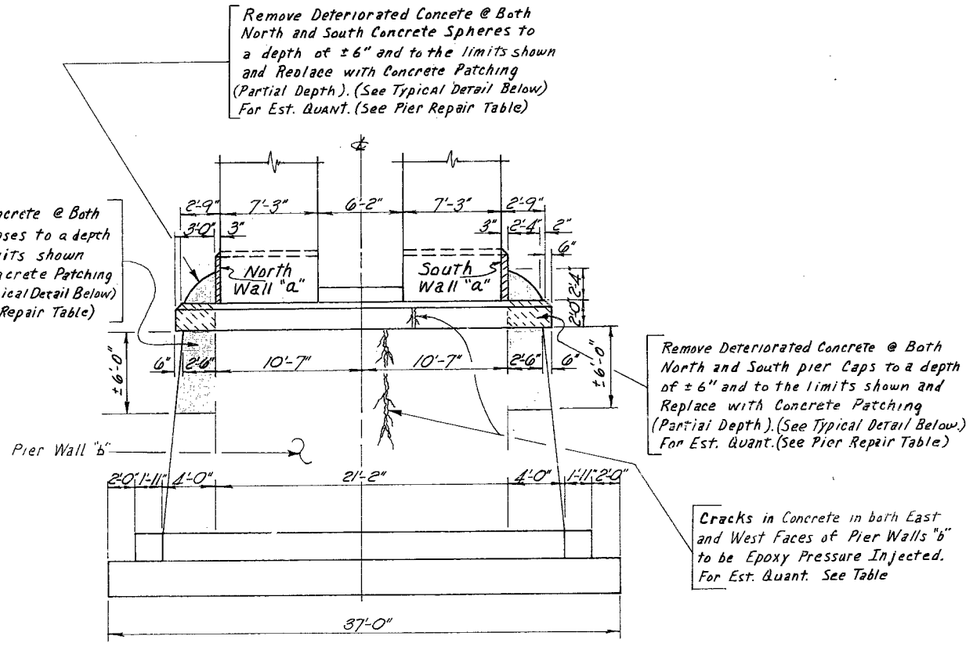
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F. A. RTE. 607 - (U. S. RTE. 52)
OVER
FOX RIVER
STA. 353 + 79
COLUMN SCHEDULE
F.A. RT. 607 LA SALLE COUNTY SECTION 125 - BR

CHRISTIAN-ROGE AND ASSOC. ENGINEERS CHICAGO, ILLINOIS

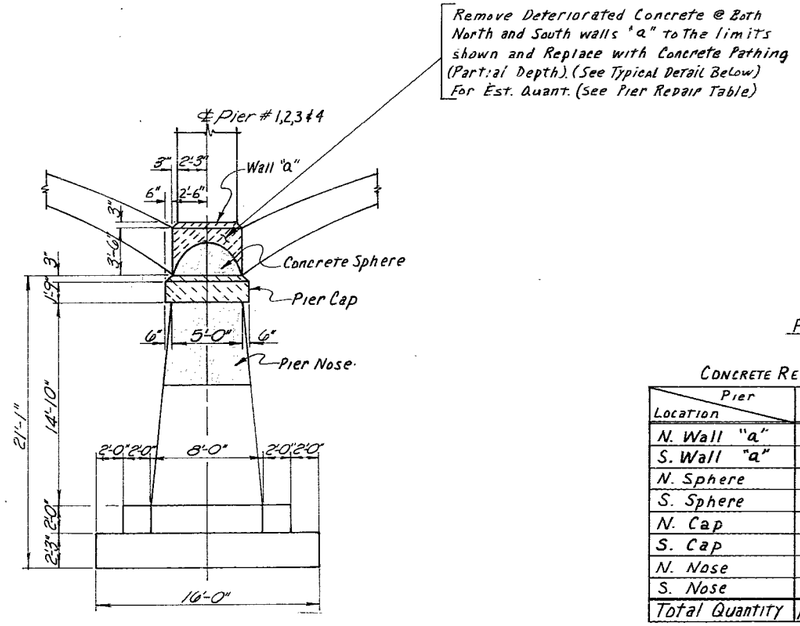
SHEET 8 OF 15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTION

607 125Br LaSalle 23 14



ELEVATION
(LOOKING EAST)



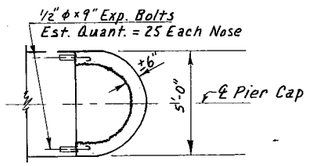
SIDE ELEVATION
(TYPICAL)

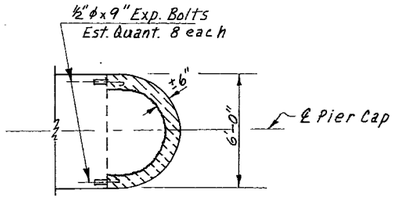
PIER REPAIR

PARTIAL DEPTH

CONCRETE REMOVAL & CONCRETE PATCHING

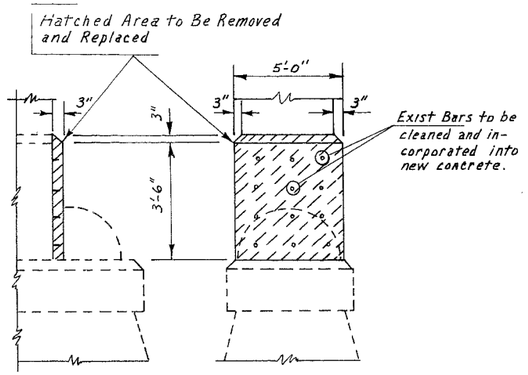
Pier / Location	1	2	3	4	Total Cu. Ft.	Total Cu. yd.
N. Wall "a"	4.7	4.7	4.7	4.7	18.8	0.7
S. Wall "a"	4.7	4.7	4.7	4.7	18.8	0.7
N. Sphere	7	7	7	7	28.0	1.0
S. Sphere	7	7	7	7	28.0	1.0
N. Cap	12	12	12	12	48.0	1.8
S. Cap	12	12	12	12	48.0	1.8
N. Nose	50	50	50	50	200.0	7.4
S. Nose	50	50	50	50	200.0	7.4
Total Quantity	147.4	147.4	147.4	147.4	589.6	22.0



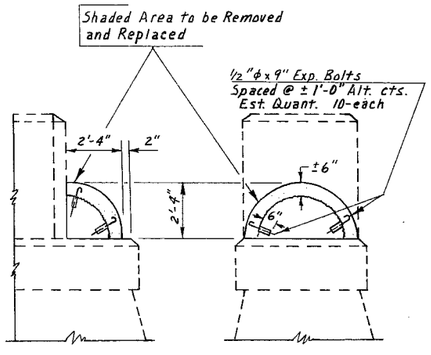


PRESSURE INJECTING CRACKS

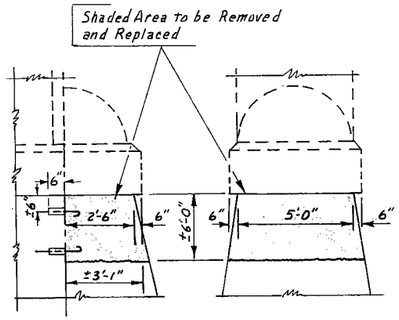
Pier / Location	1	2	3	4	Total Lin. Ft.
E. Wall "b"	7	10	13	5	35
W. Wall "b"	9	18	12	15	54
E. Cap	5	5	5	6	21
W. Cap	3	3	8	6	20
Total Quant.	24	36	38	32	130



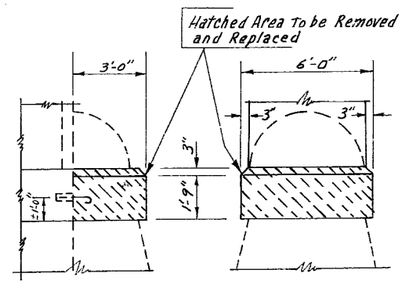
TYPICAL DETAIL
WALL "a"



TYPICAL DETAIL
CONCRETE SPHERE



TYPICAL DETAIL
PIER NOSE



TYPICAL DETAIL
PIER CAP

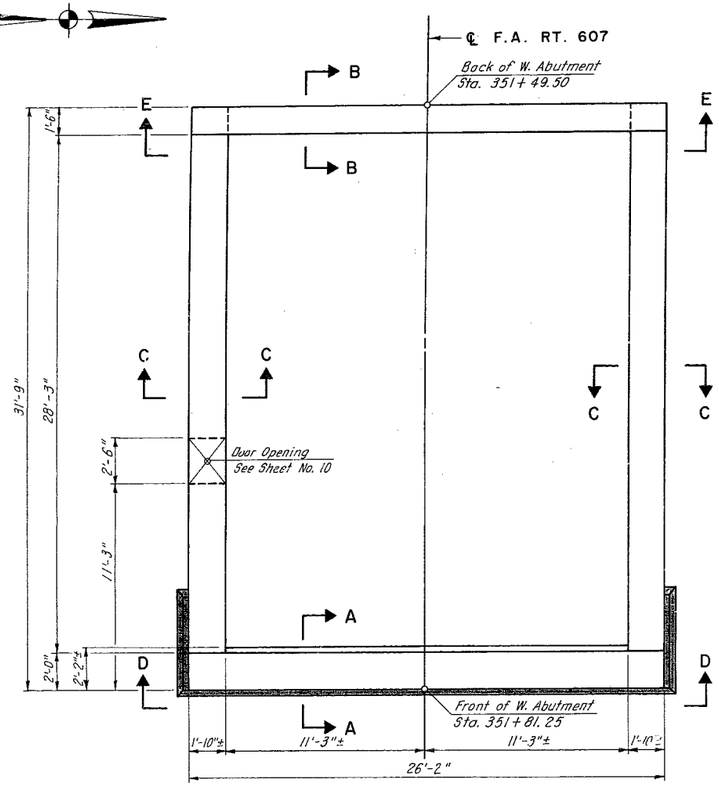
BILL OF MATERIAL *

ITEM	UNIT	QUANTITY
Concrete Removal (Partial Depth)	Cu.yd.	2.0
Concrete Patching (Partial Depth)	Cu.yd.	22.0
Pressure Injecting Cracks	Lin.Ft.	130
Expansion Bolts ½"ϕ	Ea.	444

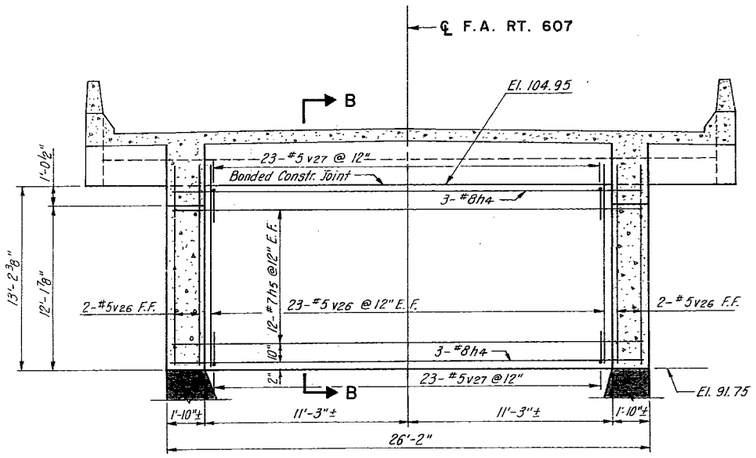
* See Special Provisions

Sheet 9 of 15

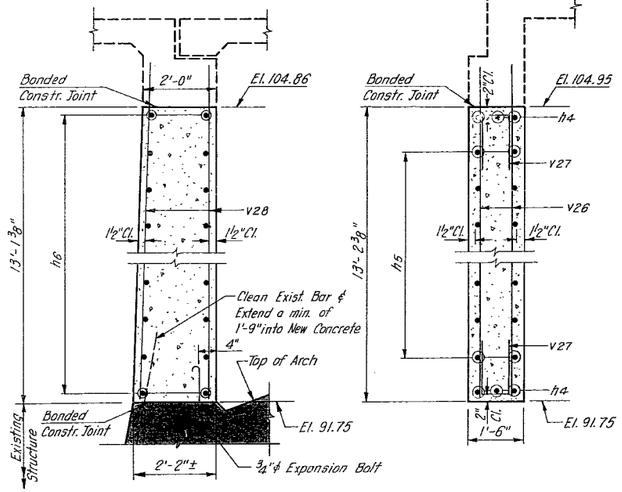
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125-BR	LA SALLE	23	15
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



PLAN WEST ABUTMENT

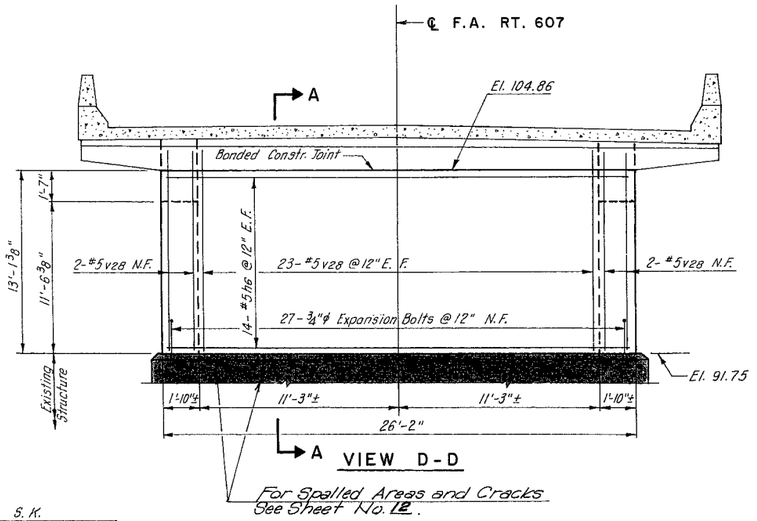


SECTION E-E



SECTION A-A

SECTION B-B



VIEW D-D

For Spalled Areas and Cracks
See Sheet No. 12.

NOTES: For Section C-C, Bill of Material & Additional Details See Sheet No. 10.

For Details Showing Drainage & Earthwork at Abutment See Sheet No. 11.

Note: Work This Sheet with Sheet No. 12.

DESIGNED BY S. K.
DRAWN BY M. G.
CHECKED BY A. T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79

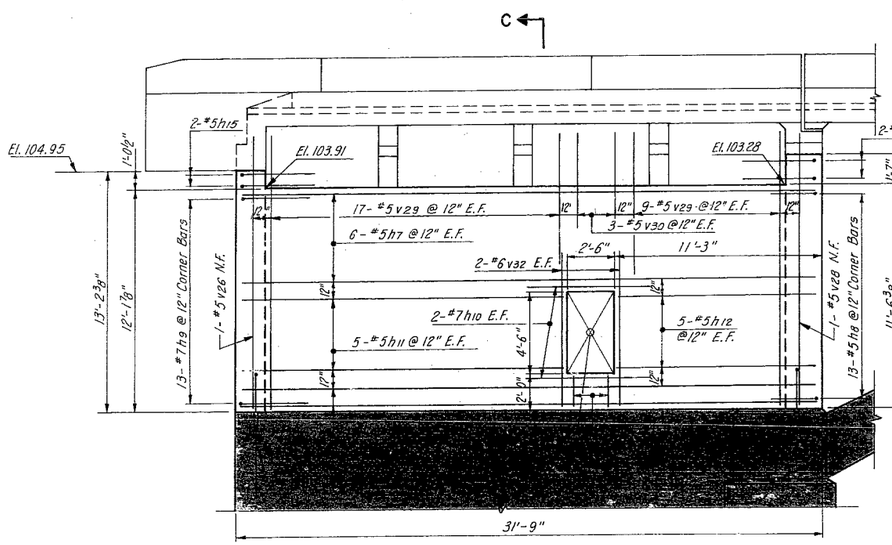
WEST ABUTMENT

F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

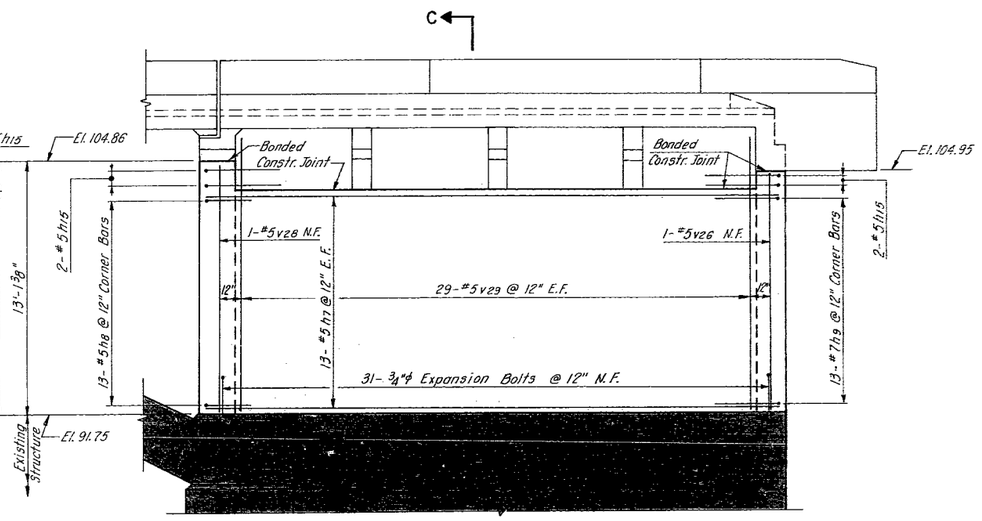
CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET 10 OF 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	16
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		



ELEVATION - LOOKING NORTH
SOUTH WALL

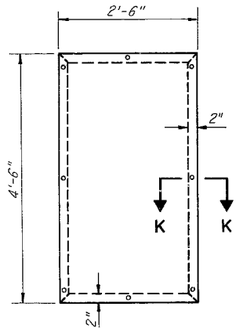


ELEVATION - LOOKING SOUTH
NORTH WALL

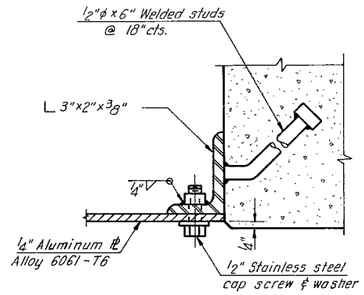
WEST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h4	6	#8	25'-10"	——
h5	24	#7	25'-10"	——
h6	22	#5	25'-10"	——
h7	42	#5	31'-5"	——
h8	26	#5	4'-6"	L
h9	26	#7	7'-0"	L
h10	4	#7	6'-8"	——
h11	10	#5	17'-8"	——
h12	10	#5	10'-11"	——
h15	8	#5	6'-0"	L
v26	52	#5	14'-2"	——
v27	46	#5	4'-1"	U
v28	52	#5	14'-0"	——
v29	110	#5	14'-4"	——
v30	6	#5	8'-0"	——
v31	6	#5	1'-10"	——
v32	4	#6	8'-6"	——

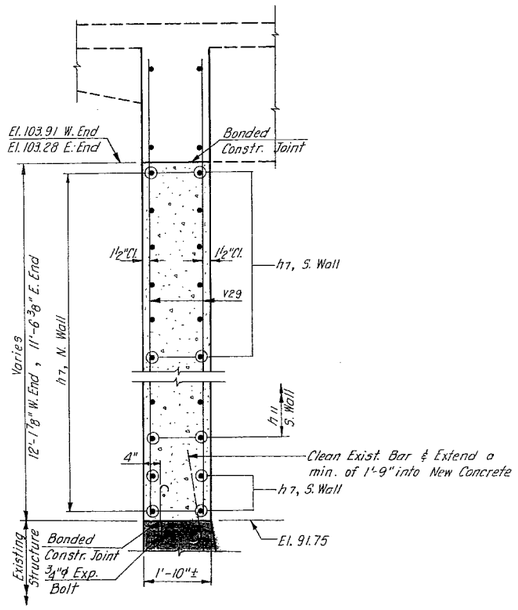
Porous Granular Embank.	Cu.Yds.	181
Reinforcement Bars	Lbs.	3150
Class X Concrete	Cu. Yds.	90.3
Concrete Removal	Cu. Yds.	76.4
3/4"ϕ Expansion Bolts	Ea.	33



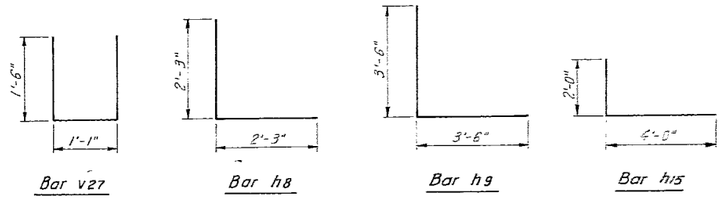
DOOR ELEVATION
(Cost of door and frame are incidental)



SECTION K - K



SECTION C - C



DESIGNED BY S. K.
DRAWN BY V. P.
CHECKED BY A. T.

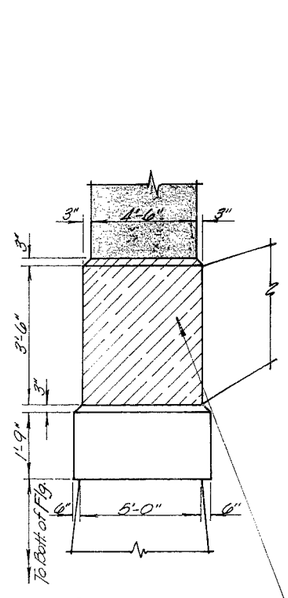
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353+79
WEST ABUTMENT DETAILS
F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

CHRISTIAN-ROGE AND ASSOC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET 11 OF 15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

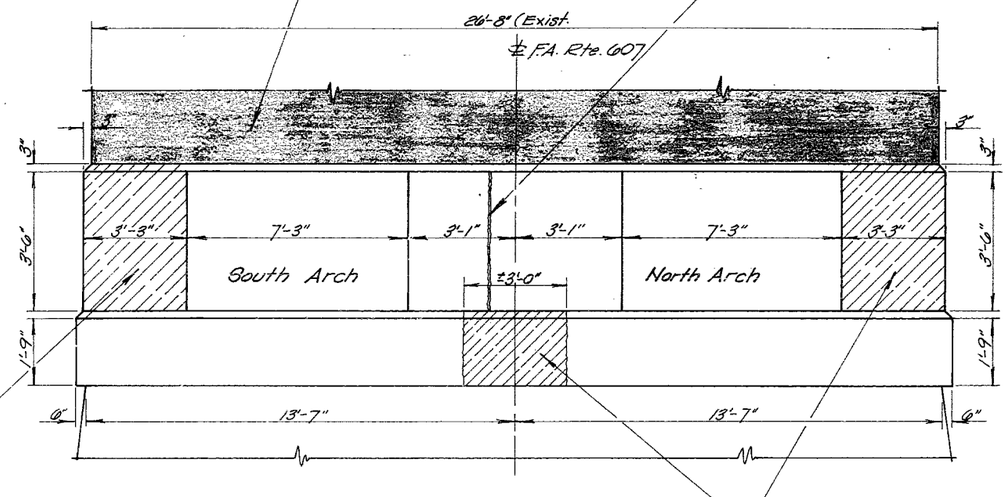
607 125BR LaSalle 23 17



SIDE VIEW
Looking North

Shaded Area Represents Concrete Removal & Replacement. See Sht. #10 For Details.

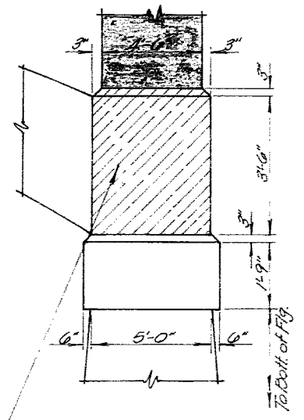
Cracks in Concrete @ Area Shown to be Epoxy Pressure Injected. Est. Quantity = 4.0 Lin. Ft.



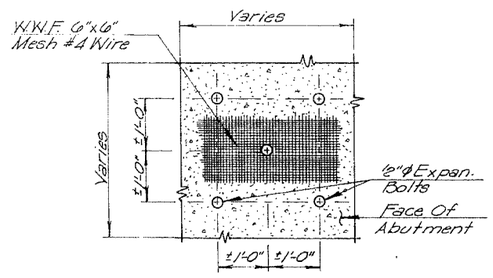
ELEVATION
West Abutment
Looking West

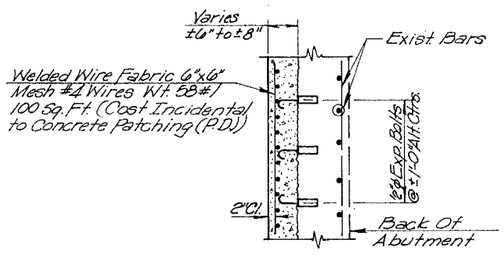
Hatched Areas Represents Concrete Removal (Partial Depth) and Concrete Patching (Partial Depth) to a Depth of ±8" and to the Limits Shown. See Typical Detail.
Est. Conc. Rem. (P.D.) = 0.8 Cu. Yd.
Est. Conc. Patching (P.D.) = 0.8 Cu. Yd.

Hatched Areas Represent Concrete Removal (Partial Depth) and Concrete Patching (Partial Depth) to a Depth of ±6" and to the Limits Shown. See Typical Detail Below.
Est. Conc. Rem. (P.D.) = 0.7 Cu. Yd.
Est. Conc. Patching (P.D.) = 0.7 Cu. Yd.



SIDE VIEW
Looking South





TYPICAL DETAIL

BILL OF MATERIAL *

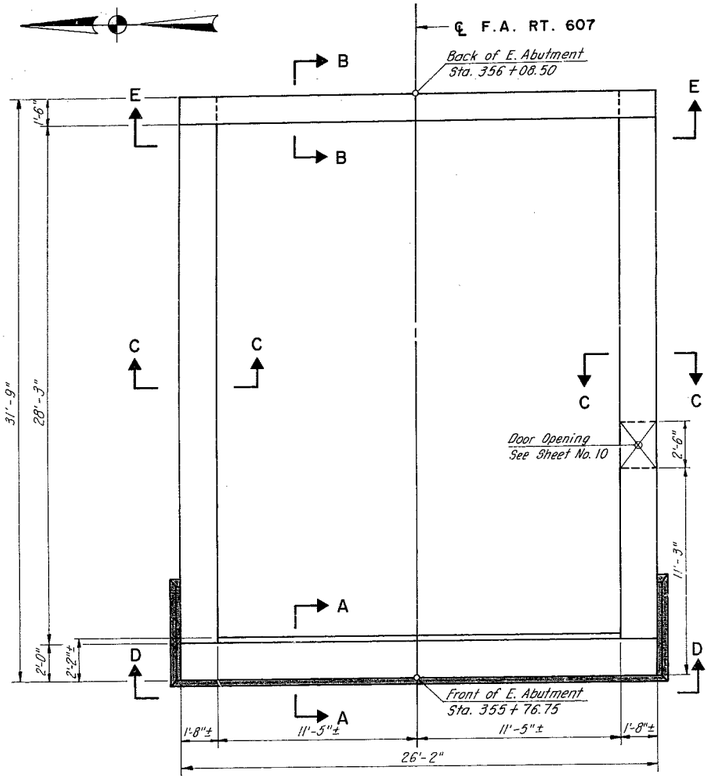
Item	Unit	Quantity
Concrete Removal (Partial Depth)	Cu.Yd.	1.5
Concrete Patching (Partial Depth)	Cu.Yd.	1.5
Pressure Injecting Cracks	Lin.Ft.	4
Expansion Bolts 6"ϕ	Each	40

* See Special Provisions.

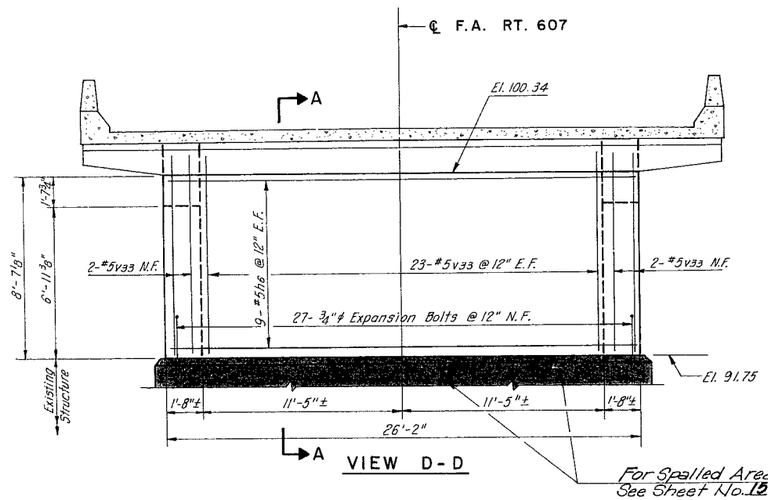
Note: Work This Sheet with Sheet No. 10

Sheet 12 of 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	18
FED. ROAD DIV. NO. 7	ILLINOIS	PROJECT		

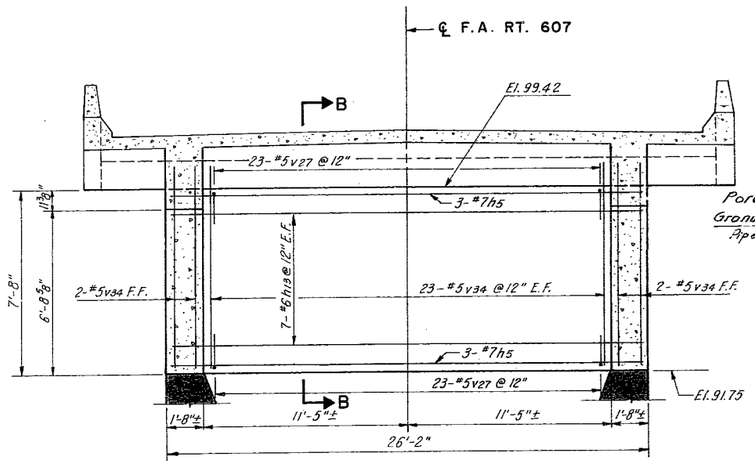


PLAN EAST ABUTMENT

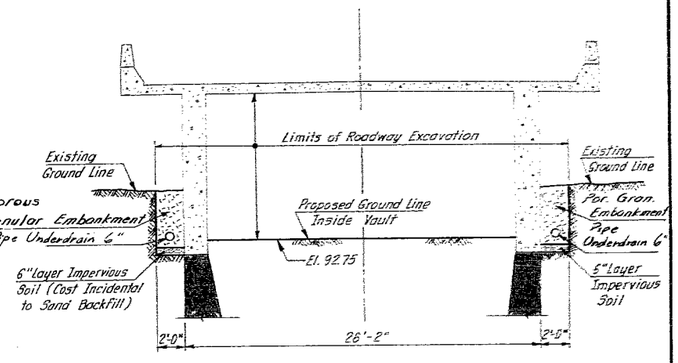


VIEW D-D

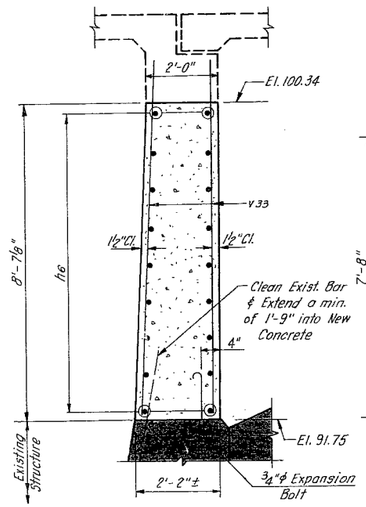
For Spalled Areas and Cracks See Sheet No. 12.



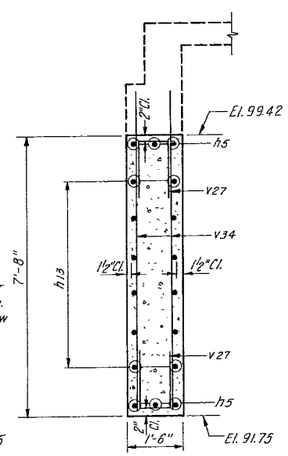
SECTION E-E



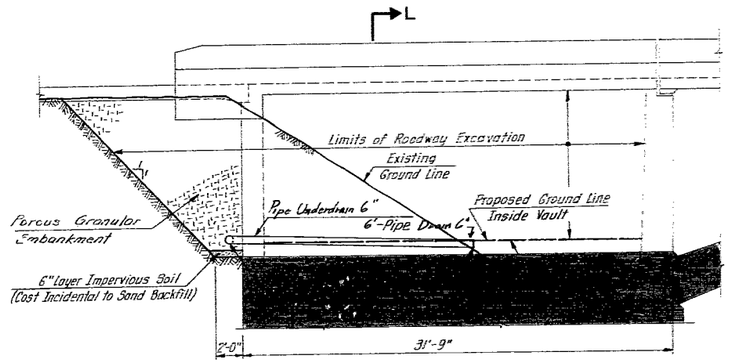
SECTION L-L



SECTION A-A



SECTION B-B



ELEVATION

DETAILS SHOWING DRAINAGE AND EARTHWORK AT ABUTMENTS

NOTES: For Section C-C, Bill of Material & Additional Details See Sheet No. 12.

Note: Work This Sheet with Sheet No. 15.

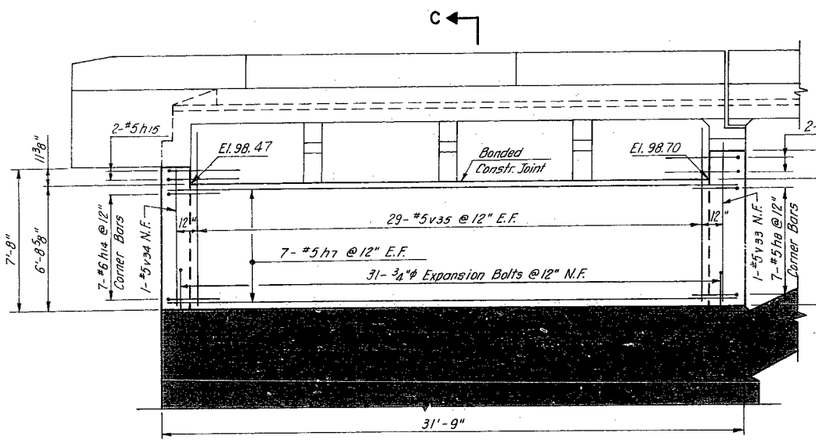
DESIGNED BY S. K.
DRAWN BY V. P.
CHECKED BY A. T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353 + 79
EAST ABUTMENT
F.A. RT. 607 LA SALLE COUNTY SECTION 125 - BR

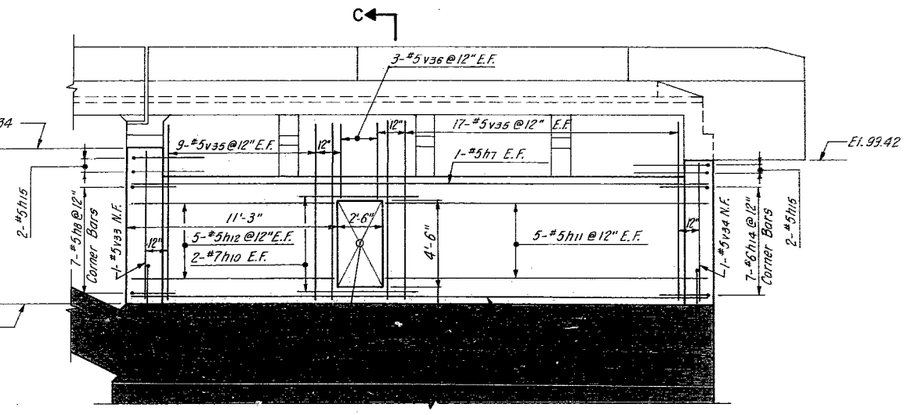
CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 13 OF 15

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 607	125 - BR	LA SALLE	23	19
FED. ROAD DIV. NO. 7		ILLINOIS	PROJECT	



ELEVATION - LOOKING SOUTH
NORTH WALL

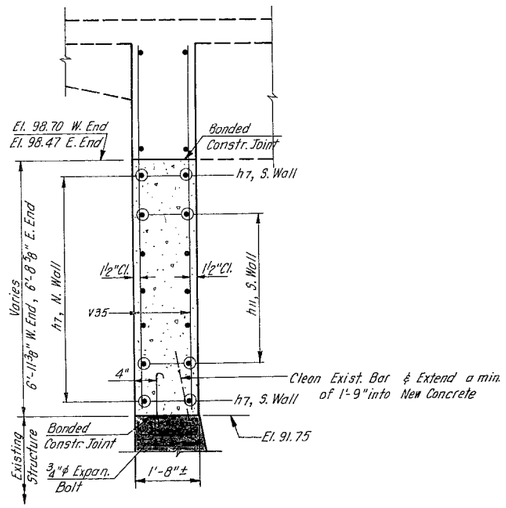


ELEVATION - LOOKING NORTH
SOUTH WALL

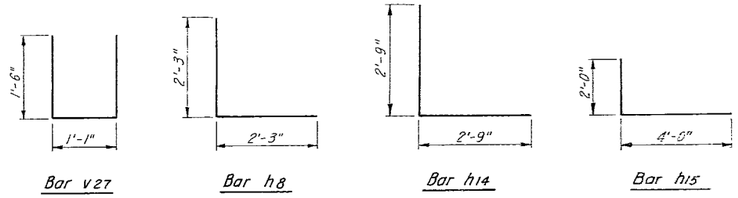
EAST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5	6	#7	25'-10"	
h6	18	#5	25'-10"	
h7	18	#5	31'-5"	
h8	14	#5	4'-6"	
h10	4	#7	6'-6"	
h11	10	#5	17'-8"	
h12	10	#5	10'-11"	
h13	14	#6	25'-10"	
h14	14	#6	5'-5"	
h15	6	5	6'-0"	
v27	46	#5	4'-1"	
v33	52	#5	9'-6"	
v34	52	#5	8'-9"	
v35	110	#5	9'-8"	
v36	6	#5	4'-3"	
v37	4	#6	9'-8"	

Porous Granular Embank.	Cu. Yds.	90
Reinforcement Bars	Lbs.	4950
Class X Concrete	Cu. Yds.	51.6
Concrete Removal	Cu. Yds.	55.5
¾"ϕ Expansion Bolts	Ea.	83



SECTION C-C



DESIGNED BY S. K.
DRAWN BY V. P.
CHECKED BY A. T.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A. RTE. 607 - (U.S. RTE. 52)
OVER
FOX RIVER
STA. 353 + 79
EAST ABUTMENT DETAILS
F.A. RT. 607 LA SALLE COUNTY SECTION 125-BR

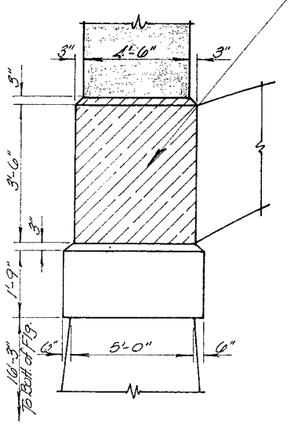
CHRISTIAN-ROGE AND ASSOC. ENGINEERS
CHICAGO, ILLINOIS

SHEET 14 OF 15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

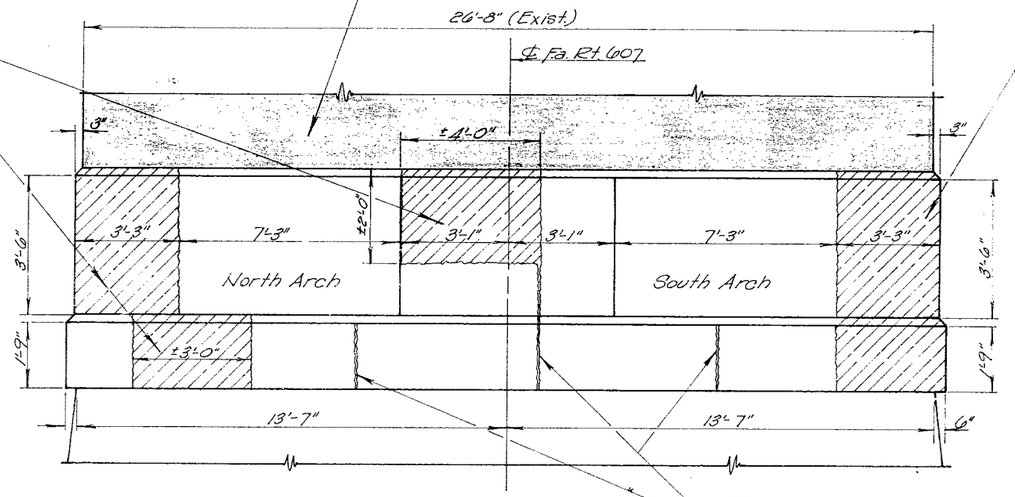
670 125BR LaSalle 23 20

Hatched Areas Represent Concrete Removal (Partial Depth) and Concrete Patching (Partial Depth) to a Depth of ±6" and to the Limits Shown. See Typical Detail Below.
Est. Conc. Rem. (P.D.) = 0.6 Cu. Yd.
Est. Conc. Patching (P.D.) = 0.6 Cu. Yd.



SIDE VIEW
Looking South

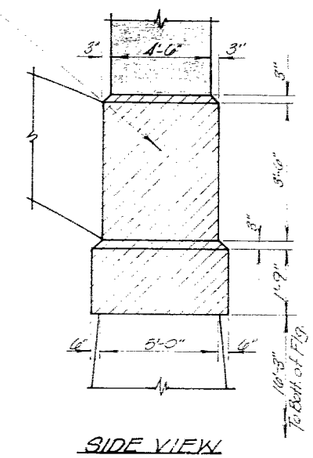
Shaded Area Represents Concrete Removal & Replacement. See Sht. #13 For Details.



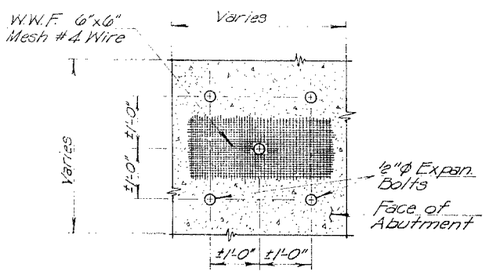
ELEVATION
East Abutment
Looking East

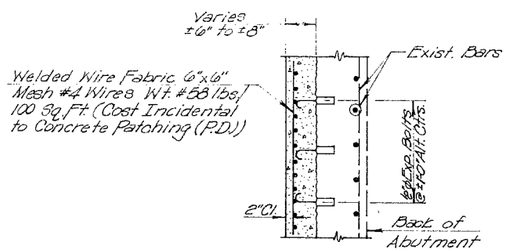
Cracks in Concrete @ Areas Shown to be Epoxy Pressure Injected.
Est. Quant. = 8.0 Lin. Ft.

Hatched Areas Represent Concrete Removal (Partial Depth) and Concrete Patching (Partial Depth) to a Depth of ±8" and to the Limits Shown.
See Typical Detail Below.
Est. Conc. Rem. (P.D.) = 1.2 Cu. Yd.
Est. Conc. Patching (P.D.) = 1.2 Cu. Yd.



SIDE VIEW
Looking North





TYPICAL DETAIL

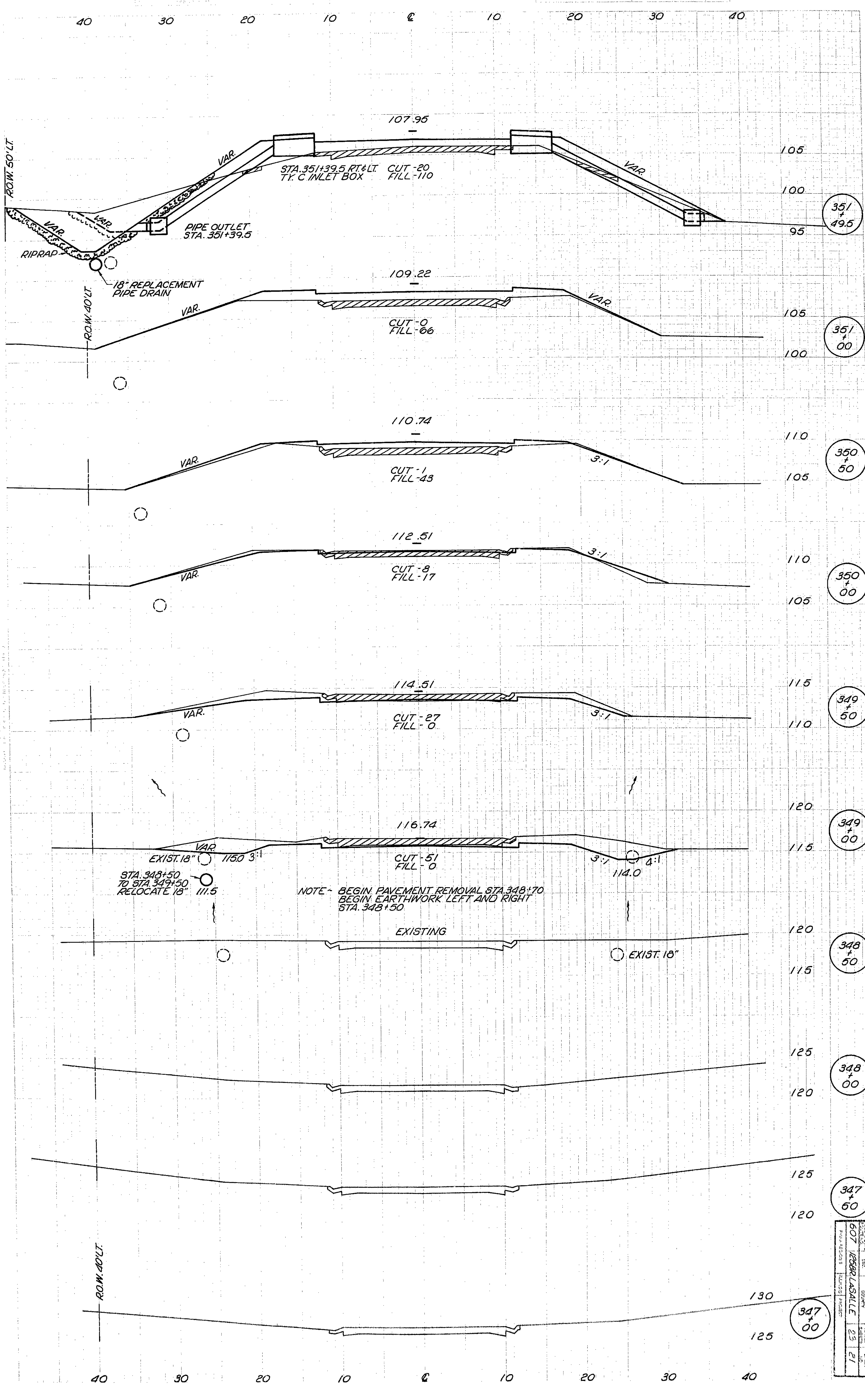
BILL OF MATERIAL *

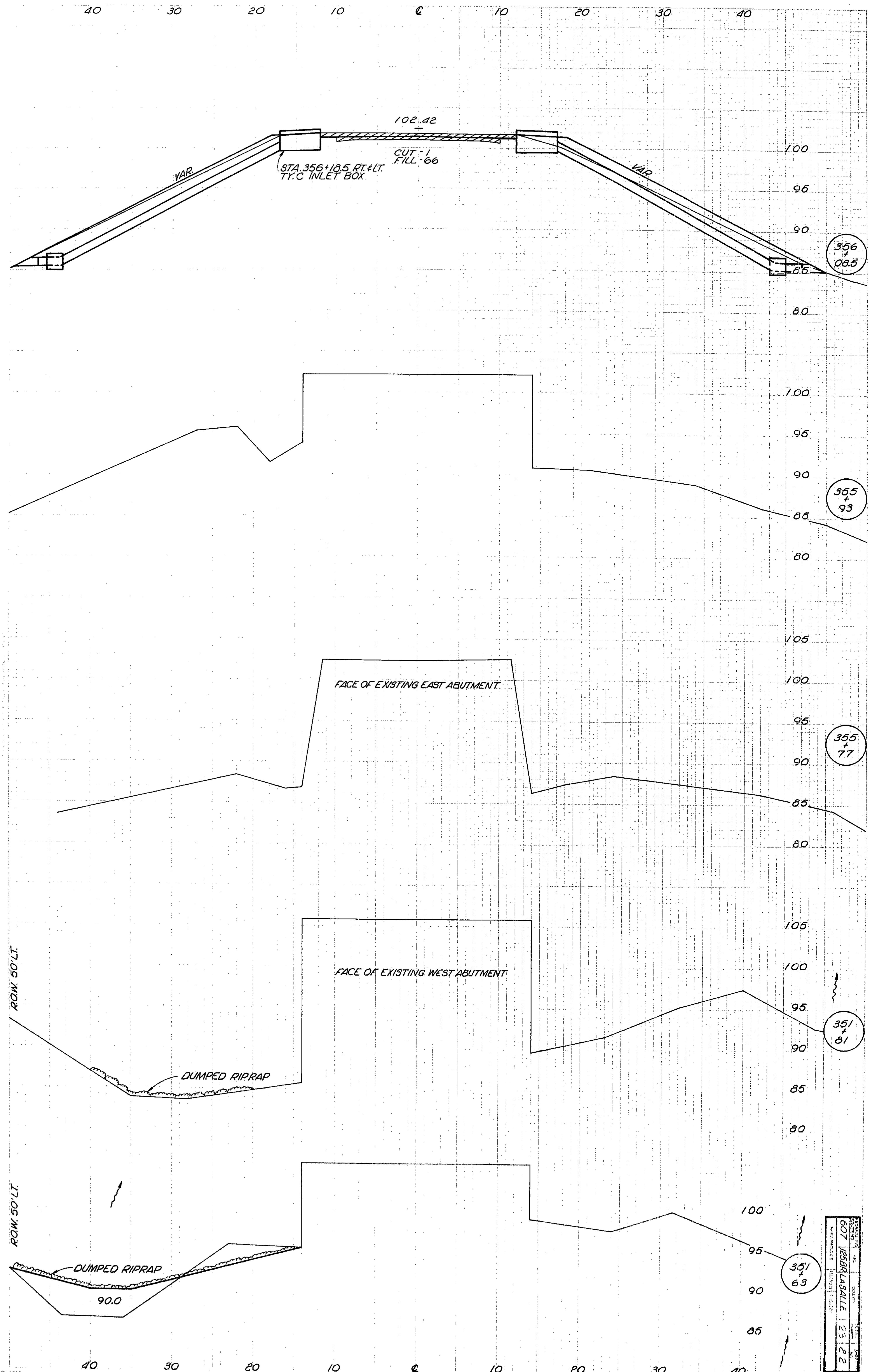
Item	Unit	Quantity
Concrete Removal (Partial Depth)	Cu. Yds.	1.8
Concrete Patching (Partial Depth)	Cu. Yds.	1.8
Pressure Injecting Cracks	Lin. Ft.	8.0
Expansion Bolts 1/2"ø	Each	60

* See Special Provisions.

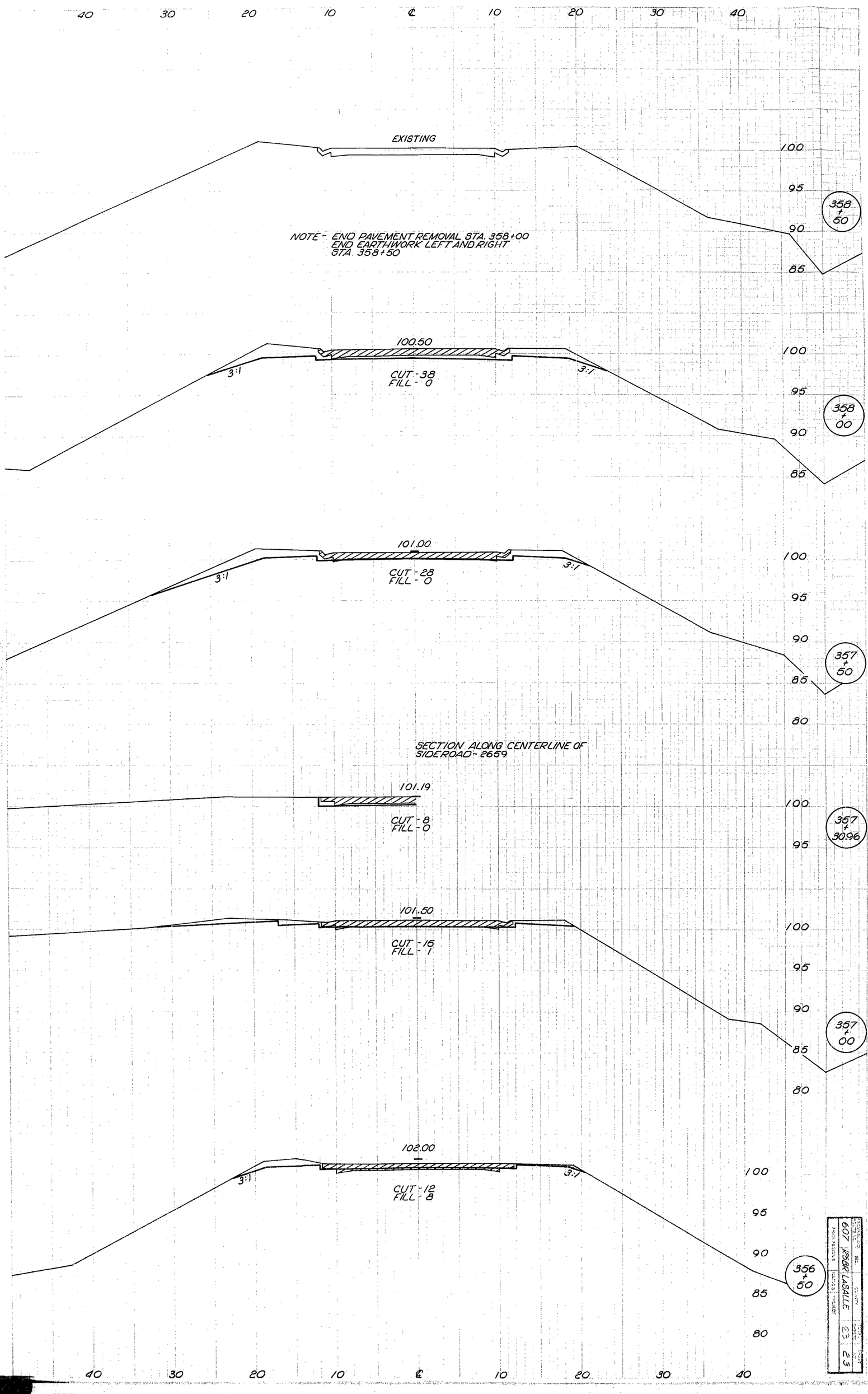
Note:
Work This Sheet with Sheet No. 13.

Sheet 15 of 15


607 125BR LASALLE 23 21
351+49.5
351+00
350+50
350+00
349+50
349+00
348+50
348+00
347+60
347+00
107.95
STA. 351+39.5 RT & LT. TY. C INLET BOX
CUT -20 FILL -110
PIPE OUTLET STA. 351+39.5
18" REPLACEMENT PIPE DRAIN
RIPRAP
R.O.W. 50' LT.
R.O.W. 40' LT.
109.22
CUT -0 FILL -66
110.74
CUT -1 FILL -43
112.51
CUT -8 FILL -17
114.51
CUT -27 FILL -0
116.74
CUT -51 FILL -0
EXIST. 18"
115.0
114.0
STA. 348+50 TO STA. 349+50 RELOCATE 18" 111.5
NOTE - BEGIN PAVEMENT REMOVAL STA. 348+70 BEGIN EARTHWORK LEFT AND RIGHT STA. 348+50
EXISTING
EXIST. 18"
VAR.
3:1
4:1



FINAL SURVEY
102.42
CUT - 1
FILL - 66
STA. 356+18.5 RT. & LT.
TY. C INLET BOX
VAR.
VAR.
356 + 08.5
355 + 93
355 + 77
351 + 81
351 + 63
FACE OF EXISTING EAST ABUTMENT
FACE OF EXISTING WEST ABUTMENT
DUMPED RIPRAP
DUMPED RIPRAP
90.0
R.O.W. 50' LT.
R.O.W. 50' LT.
40
30
20
10
℄
10
20
30
40
105
100
95
90
85
80
607
125BR
LaSALLE
23
22


40 30 20 10 ℄ 10 20 30 40
EXISTING
100
95
90
85
358 + 50
NOTE~ END PAVEMENT REMOVAL STA. 358+00
END EARTHWORK LEFT AND RIGHT
STA. 358+50
100.50
3:1
3:1
CUT - 38
FILL - 0
358 + 00
101.00
3:1
3:1
CUT - 28
FILL - 0
357 + 50
80
SECTION ALONG CENTERLINE OF
SIDEROAD - 2659
101.19
CUT - 8
FILL - 0
357 + 30.96
101.50
CUT - 15
FILL - 1
357 + 00
102.00
3:1
3:1
CUT - 12
FILL - 8
356 + 50
607 IDOT LASALLE
23
23