F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	1
	ILLINOIS	CONTRACT NO. 66A58		

INDEX OF SHEETS 11-06-2015 LETTING ITEM 076

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

BLR 22-7	TYPICAL APP OF T.C.D. RURAL LOCAL HIGHWAY (2-LANE 2-WAY RURAL TRAF.) (ROAD CLOSED TO THRU TRAFFIC)
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-04	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

DISTRICT 3 NO. (815) 434-6161
PROJECT ENGINEER: CRAIG REED, P.E.
UNIT CHIEF: BRAD DUNCAN, P.E.
TOWNSHIP: RUTLAND

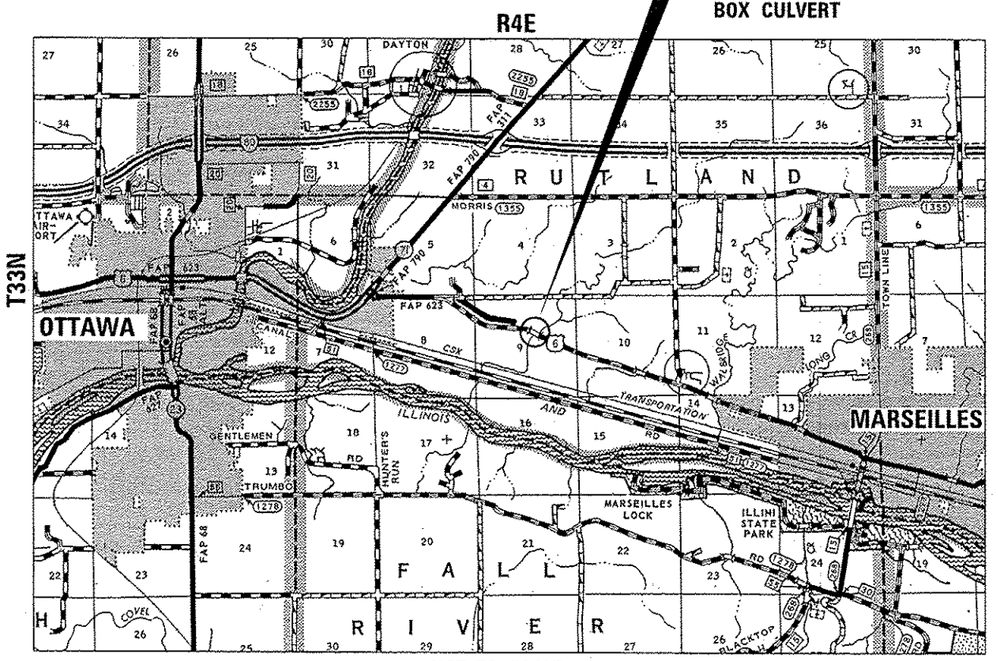
CONTRACT NO. 66A58

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 623 (US 6)
SECTION (G)BR
PROJECT: ACNHPP-0623(034)
STRUCTURE REPLACEMENT
LASALLE COUNTY

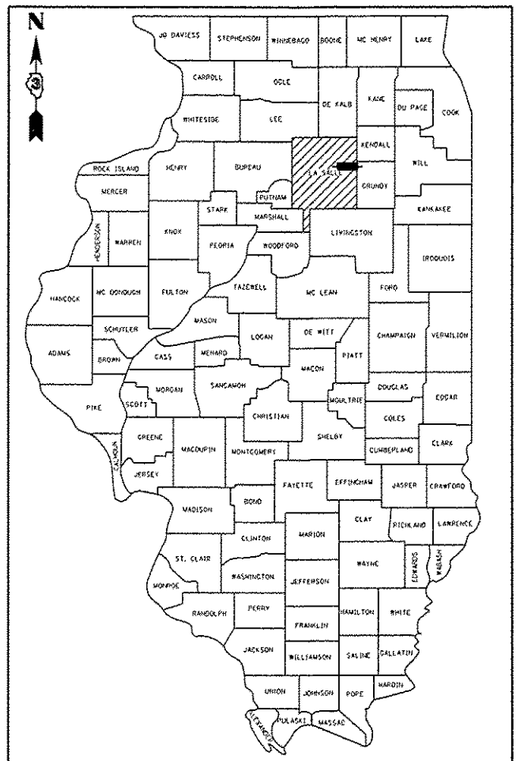
C-93-008-15



NOT TO SCALE

GROSS & NET LENGTH = 425 FT. = 0.08 MILE

P-93-034-10
D-93-007-15



LOCATION OF SECTION INDICATED THUS:-

OTHER PRINCIPAL ARTERIAL
2014 ADT = 5600
PV = 95% SU = 2.5% MU = 2.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 14 20 15
Paul Loete P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Oct 2 20 15
John D. Baranzelli P.E.
actmo ENGINEER OF DESIGN AND ENVIRONMENT
Oct 2 20 15
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA 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 HMA IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ADDITIONAL LEVELING BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 3/16"/FT. (1.5%) CROWN ON SECTIONS OF EXISTING ROADWAYS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AMEREN IP
MTCO

COMMITMENTS

1. A COMMITMENT HAS BEEN MADE FOR THE RESIDENT ENGINEER TO CONTACT ALL AREA SERVICE PROVIDERS PRIOR TO THE CLOSURE OF US ROUTE 6.

2. THE DETOUR COMMITTEE RECOMMENDED CONSTRUCTION TO BE LIMITED TO A WINDOW FROM JUNE 15 TO AUGUST 15. US ROUTE 6 WILL BE OPEN TO TRAFFIC DURING THE MARSEILLES FREEDOM RIDE. SEE SPECIAL PROVISIONS.

3. THE RESIDENT ENGINEER AND A LASALLE COUNTY HIGHWAY DEPARTMENT REPRESENTATIVE WILL PREFORM A PRE AND POST CONSTRUCTION INSPECTION OF THE ADJACENT COUNTY HIGHWAYS. IF NECESSARY, REPAIRS TO THE COUNTY HIGHWAYS 4, 15 & 51 WILL BE MADE AS APPROPRIATE AT THE DEPARTMENT'S EXPENSE.

4. THE US FISH AND WILDLIFE SERVICE HAS LISTED THIS PROJECT LOCATION AS A POSSIBLE SUITABLE HABITAT FOR THE INDIANA AND NORTHERN LONG-EARED BATS. A COMMITMENT HAS BEEN MADE NOT TO ALLOW ANY TREE REMOVAL FROM APRIL 1 THROUGH SEPTEMBER 30. IN ADDITION TO THE DATE RESTRICTION ON TREE REMOVAL, IMPACTS TO THE TREES SHALL BE MITIGATED IN ACCORDING TO IDOT DEPARTMENTAL POLICY D&E-18 PRESERVATION AND REPLACEMENT OF TREES.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 14, 2015

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

_____
DISTRICT MATERIALS ENGINEER

_____
DISTRICT OPERATIONS ENGINEER

FILE NAME = c:\pw_work\pwidot\duncanbd\d0269367\D366A58-sht-cover.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				623	(C)BR	LASALLE	49	2
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 66A58		
	PLOT DATE = 8/11/2015	DATE -	REVISED -		SCALE: NTS	SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE URBAN 80% FEDERAL 20% STATE BOX CULVERT 0011 EX SN 050-0108
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	425	425
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	49	49
20200100	EARTH EXCAVATION	CU YD	1686	1686
20400800	FURNISHED EXCAVATION	CU YD	2859	2859
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1686	1686
25000300	SEEDING, CLASS 3	ACRE	0.77	0.77
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	70	70
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	70
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	70
25100630	EROSION CONTROL BLANKET	SQ YD	3736	3736
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	77	77
28000305	TEMPORARY DITCH CHECKS	FOOT	45	45
28000400	PERIMETER EROSION BARRIER	FOOT	352	352
28100105	STONE RIPRAP, CLASS A3	SQ YD	60	60

△ SPECIALTY ITEMS

FILE NAME:	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\\IL084EGIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\036…\CADData\CADsheets\0366A58-sht-soq.dgn	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -			623	(G)BR	LASALLE	49	3
	PLOT DATE = 7/22/2015	DATE -	REVISED -		SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.	CONTRACT NO. 66A58				
			REVISED -			ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE URBAN 80% FEDERAL 20% STATE BOX CULVERT 0011 EX SN 050-0108
28100107	STONE RIPRAP, CLASS A4	SQ YD	614	614
28200200	FILTER FABRIC	SQ YD	674	674
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	774	774
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	729	729
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	5	5
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2540	2540
40600527	LEVELING BINDER (HAND METHOD), IL-9.5FG, N50	TON	1	1
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	42	42
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	427	427
40600990	TEMPORARY RAMP	SQ YD	27	27
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	131	131
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	9	9
44000100	PAVEMENT REMOVAL	SQ YD	236	236
44004000	PAVED DITCH REMOVAL	FOOT	44	44

△ SPECIALTY ITEMS

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE URBAN 80% FEDERAL 20% STATE BOX CULVERT 0011 EX SN 050-0108
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	6	6
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	517	517
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
△ 50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	414	414
51500100	NAME PLATES	EACH	1	1
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2
54011212	PRECAST CONCRETE BOX CULVERTS 12' X 12'	FOOT	204	204
△ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	362.5	362.5
△ 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4
△ 63200310	GUARDRAIL REMOVAL	FOOT	772	772
△ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	740	740
△ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
△ 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6

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△ SPECIALTY ITEMS

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	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -		SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -		
		DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	5
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE URBAN 80% FEDERAL 20% STATE BOX CULVERT 0011 EX SN 050-0108
	67100100	MOBILIZATION	L SUM	1	1
	70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	50	50
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	850	850
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	110	110
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	355	355
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1700	1700
△	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	220	220
△	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	6
△	78200410	GUARDRAIL MARKERS, TYPE A	EACH	6	6
△	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6
	Z0016702	DETOUR SIGNING	L SUM	1	1
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

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△ SPECIALTY ITEMS

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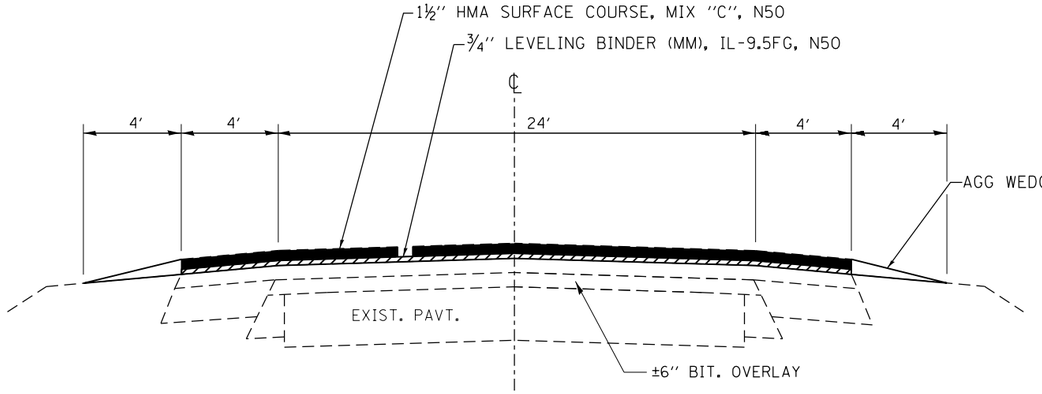
			REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

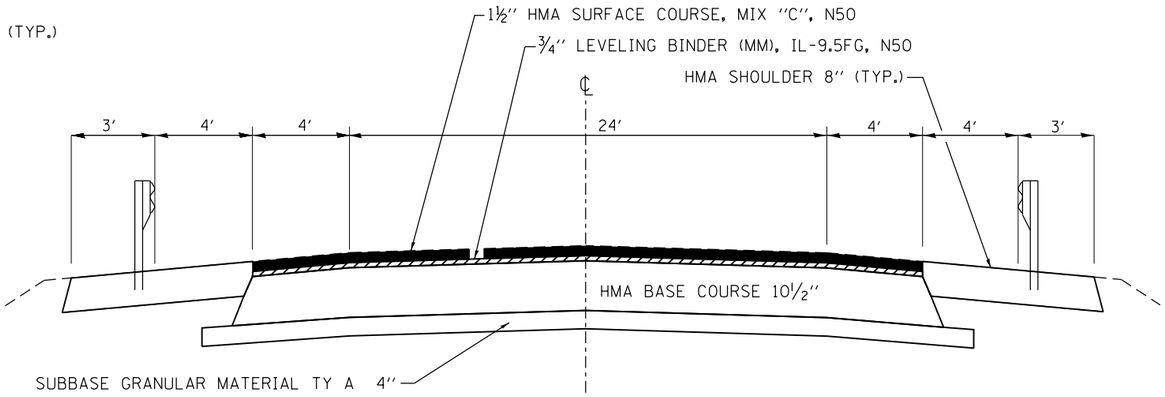
SCALE: | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	6
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		



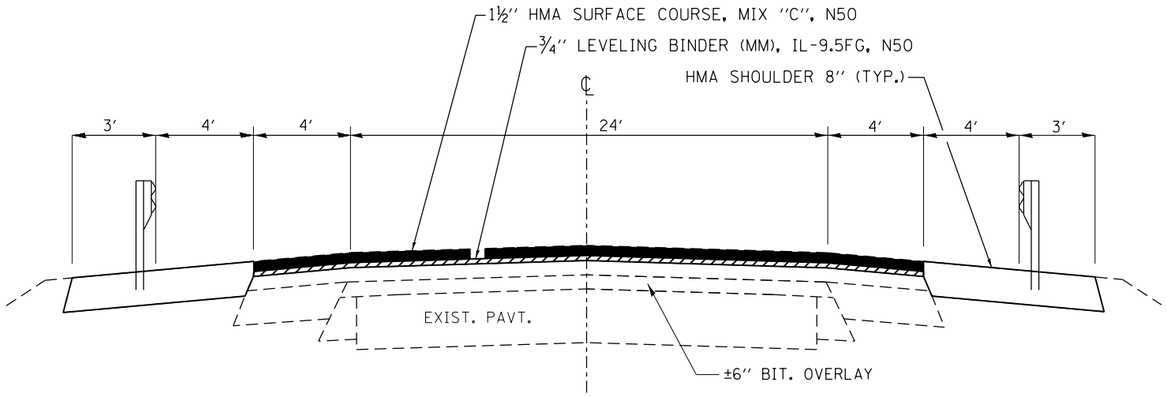
PROPOSED TYPICAL SECTION

STA. 92+00 TO STA. 92+28.7
STA. 96+05.9 TO STA. 96+25



PROPOSED TYPICAL SECTION

STA. 93+25 TO STA. 95+30



PROPOSED TYPICAL SECTION

STA. 92+28.7 TO STA. 93+25
STA. 95+30 TO STA. 96+05.9

HMA MIXTURE REQUIREMENT TABLE					
MIXTURE USE(S):	HMA SURFACE CSE	LEVELING BINDER	HMA BASE CSE	HMA SHLDS	INCIDENTAL HMA SURF
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5FG	IL-19.0 FG	IL-19.0 FG	IL-9.5
FRICTION AGGREGATE:	MIX D				MIX C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES	SATISFACTION OF ENGINEER

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\D366A58\DRAWINGData\CADsheets\D366A58-sht-typicals.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	7
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

TREE REMOVAL

LOCATION	OFFSET	SIDE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
			UNIT	UNIT
92+09	69′	LT	8	
92+13	67′	LT	6	
92+19	72′	LT	6	
92+27	70′	LT	8	
92+33	72′	LT	10	
92+75	68.5′	LT	6	
92+80	66.5′	LT	8	
93+50	75′	LT	8	
94+00	70′	LT	6	
94+45	65′	LT	6	
94+58	70′	LT	6	
94+58	69′	LT	6	
94+58	68′	LT	6	
94+75	60′	LT	6	
94+75	59′	LT	6	
94+80	63′	LT	6	
94+87	65′	LT	8	
94+87	62′	LT	9	
95+00	25′	LT	7	
95+00	25′	LT	9	
95+14	47′	LT	10	
95+14	48′	LT	6	
95+14	49′	LT	6	
95+14	43′	LT	6	
95+75	87′	LT	7	
95+80	87′	LT	7	
95+80	83′	LT		16
95+85	75′	LT		17
95+85	67′	LT	8	
95+85	76′	LT	9	
95+85	76′	LT	6	
96+00	72′	LT	7	
96+13	77′	LT	6	
96+13	77′	LT	7	
96+21	77′	LT	6	
93+67	40′	RT	8	
93+73	39′	RT	6	
93+94	30′	RT	11	
93+94	30′	RT	11	
93+94	30′	RT	11	
94+03	30′	RT	8	
94+03	30′	RT	8	
94+03	65′	RT	11	
94+05	63′	RT	7	
94+05	63′	RT	7	
94+15	70′	RT	9	
94+15	65′	RT	8	
94+30	30′	RT	10	
94+30	30′	RT	12	
94+30	30′	RT	11	
94+30	30′	RT		16
94+39	30′	RT	9	
94+50	40′	RT	6	
94+50	40′	RT	8	
94+75	78′	RT	7	
95+30	85′	RT	6	
95+30	80′	RT	6	
95+30	67′	RT	7	
95+40	50′	RT	6	
TOTALS			425	49

PAVEMENT

LOCATION	HMA SURF REMOVAL BUTT JT	TEMP RAMP	BIT MAT PR CT	SUBBASE GRAN MAT TY A 4″	HMA BASE CSE 10 1/2″	LEVEL BIND (HM) IL-9.5FG N50	LEVEL BIND (MM) IL-9.5FG N50	HMA SURF CSE MIX D N50
	SQ YD	SQ YD	POUND	SQ YD	SQ YD	TON	TON	TON
92+00 - 93+25	213.3	13.33	240.0			0.22	7.7	38.4
93+25 - 95+30			2132.0	774.0	729.0		31.4	63.0
95+30 - 96+25	213.3	13.33	168.0			0.17	3.1	29.3
TOTAL	427	27	2540	774	729	1	42	131

EARTHWORK

LOCATION STA. TO STA.	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
92+00 - 93+35	187.5	141	422.2	-282
93+35 - 95+20**	1340.5	1005	3608.2	-2603
95+20 - 96+25	158	119	92.6	26
TOTAL	1686	1265	4123	-2859

*ASSUMED 25% SHRINKAGE FACTOR
**QUANTITY BETWEEN THESE STATIONS INCLUDES BACKFILL NEEDED AFTER STRUCTURE REMOVAL

SHOULDER

LOCATION	SIDE	HMA SHOULDER 8″	AGG WEDGE SHLD, TY B
		SQ YD	TON
92+00 - 92+28.7	RT		1.1
92+28.7 - 95+39	RT	258.2	
92+00 - 92+99.2	LT		3.8
92+99.2 - 96+05.9	LT	258.7	
96+05.9 - 96+25	LT		1
TOTAL		517	6

TEMPORARY EROSION CONTROL SYSTEMS

STATION	LOCATION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER
		FOOT	FOOT
93+94	LT	9	
94+25	RT	9	
94+33*	LT	9	
95+13*	RT	9	
65+34*	LT	9	
92+00 - 93+22	RT		164
94+17 - 94+82	RT		66
95+29 - 96+23	LT		122
TOTALS		45	352

*PRIOR TO THE PLACEMENT OF PROPOSED RIPRAP

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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	8
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

SEEDING

LOCATION	SIDE	SEEDING CLASS 3	EROSION CONTROL BLANKET	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TEMP EROS CONT SEEDING
		ACRE	SQ YD	POUND	POUND	POUND	POUND
92+00 - 96+25	LT	0.42	2029	38	38	38	42
92+00 - 95+40.6	RT	0.35	1707	32	32	32	35
TOTAL		0.77	3736	70	70	70	77

REMOVAL ITEMS

LOCATION	PAVEMENT REMOVAL*	PAVED DITCH REMOVAL
	SQ YD	FOOT
93+25 - 93+74	117.9	
94+81 - 95+30	117.8	
93+86 - 94+30 LT		44
TOTAL	236	44

*INCLUDES 4' PAVED SHOULDER & APPROACHES

GUARDRAIL

LOCATION	SIDE	SPBGR TYPE A 6 FT POSTS	TRAF BARR TERM TY 1 SPEC, FLR	GUARDRAIL MARKERS TYPE A	TERM MARK DIRECT APPLIED	GUARDRAIL REM
		FOOT	EACH	EACH	EACH	FOOT
91+88 - 95+37	RT					349
92+44 - 96+67	LT					423
92+47.77 - 92+94.56	RT		1		1	
92+94.56 - 94+82.06	RT	187.5		3		
94+82.06 - 95+31.76	RT		1		1	
93+15.23 - 93+65.01	LT		1		1	
93+65.01 - 95+40.01	LT	175		3		
95+40.01 - 95+89.80	LT		1		1	
TOTAL		362.5	4	6	4	772

RIPRAP

LOCATION	SIDE	STONE RIPRAP CL A3*	STONE RIPRAP CL A4**	FILTER FABRIC
		SQ YD	SQ YD	SQ YD
93+18.7 - 94+00	RT		103	103
94+00 - 94+40.3	LT	37		37
94+13 - 94+25	RT		11	11
94+50 - 95+34.5	LT		166	166
95+00 - 95+25	RT	23		23
95+34.5 - 95+50	LT		14	14
TOTAL		60	294	354

*FILTER FABRIC TO BE USED WITH THIS RIPRAP
**QUANTITY IS IN ADDITION TO THAT SHOWN ON THE STRUCTURE PLANS

PAVEMENT MARKING

LOCATION	PAINT LINE 4'' 2 APPLICATIONS WHITE	PAINT LINE 6'' 2 APPLICATIONS YELLOW	RAISED REFL PAVT MARK	TEMPORARY LINE 4'' WHITE	TEMPORARY LINE 6'' YELLOW	SHORT TERM PAVT MARK	WORK ZONE PAVEMENT MARKING REMOVAL
	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	SQ FT
92+00 - 96+25							
CENTERLINE		220	6		110	50	71.7
EDGELINES	1700			850			283.1
TOTAL	1700	220	6	850	110	50	355

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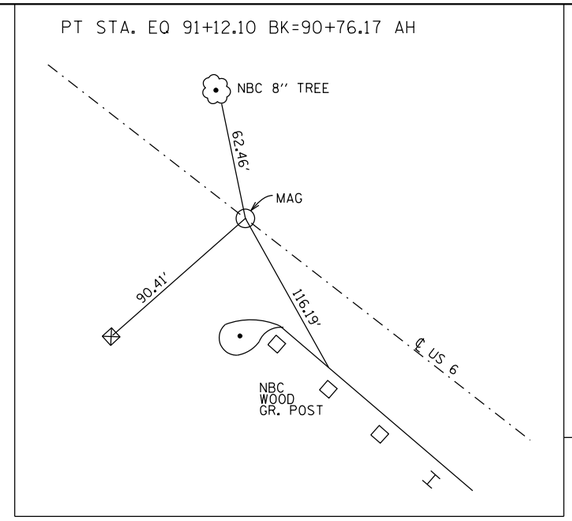
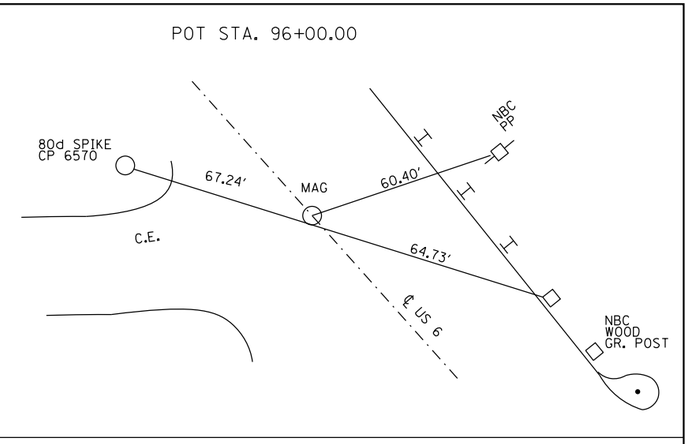
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

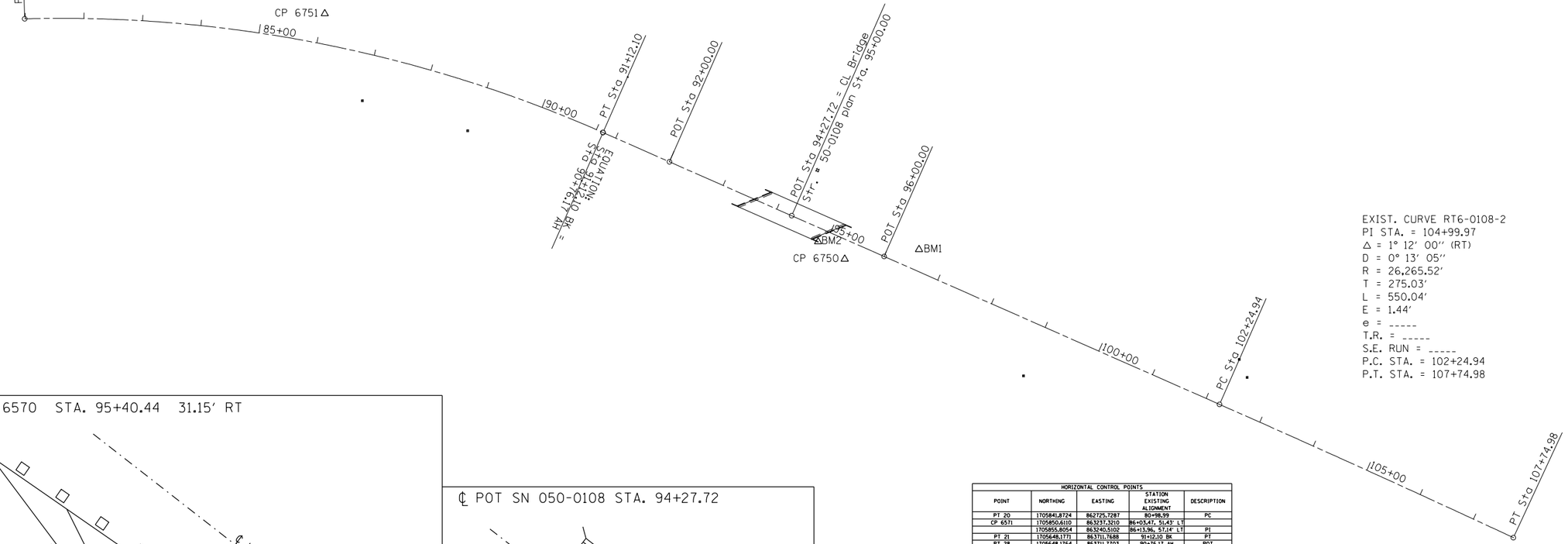
SCALE: | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	9
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

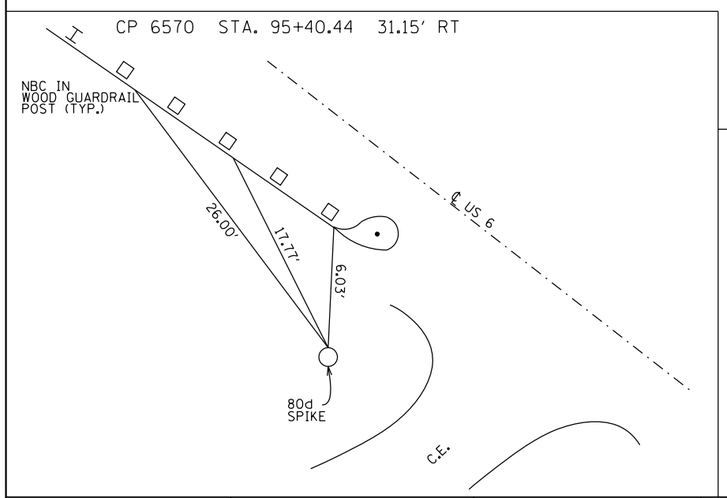


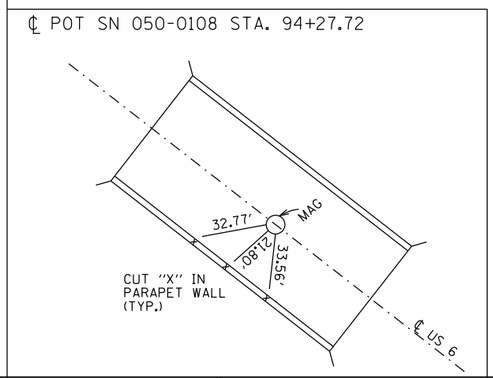


EXIST. CURVE RT6-0108-1
PI STA. = 86+13.96
Δ = 25° 19' 40" (RT)
D = 2° 30' 00"
R = 2,291.83'
T = 514.97'
L = 1,013.11'
E = 57.14'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 80+98.99
P.T. STA. = 91+12.10



EXIST. CURVE RT6-0108-2
PI STA. = 104+99.97
Δ = 1° 12' 00" (RT)
D = 0° 13' 05"
R = 26,265.52'
T = 275.03'
L = 550.04'
E = 1.44'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 102+24.94
P.T. STA. = 107+74.98





HORIZONTAL CONTROL POINTS				
POINT	NORTHING	EASTING	STATION EXISTING ALIGNMENT	DESCRIPTION
PT 20	1705841.8724	862725.7287	80+98.99	PC
CP 6571	1705850.6110	863237.3210	86+03.47, 51.45' LT	
	1705855.8054	863240.5102	86+13.96, 57.14' LT	PI
PT 21	1705648.1771	863711.7688	91+12.10 BK	PT
PT 28	1705648.1764	863711.7703	90+76.17 AH	POT
PT 22	1705598.2507	863825.0879	92+00	POT
PT 23	1705506.4387	864033.4760	94+27.72	POT
CP 6570	1705432.4850	864124.0700	95+40.44, 31.15 RT	
PT 24	1705436.9768	864191.1354	96+00	POT
RT6-108-2	1705185.0113	864763.0278	102+24.94	PC
	1705074.1230	865014.7138	104+99.97, 1.44' LT	PI
PT 25	1704957.9887	865264.0225	107+74.98	PT

BENCHMARKS						
NO.	NORTHING	EASTING	STATION EXISTING ALIGNMENT	OFFSET PROPOSED ALIGNMENT	ELEVATION	DESCRIPTION
BM1	1705448.7070	864250.3670	96+49.48	34.62' LT	523.37	RR SPIKE IN UTILITY POLE
BM2	1705462.1910	864078.8250	94+87.06	22.21' RT	525.69	CHIS "□" ON SE WINGWALL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=100' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	10
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

TIMOTHY J. CREEDON III TTEE TAX ID 19-09-200-004 EX ROW

CONC. DITCH

EX ROW

TBT, TY 1 (SPEC)
FLARED - 1 EA

SPBGR, TY A, 6 FT POSTS - 175'

TBT, TY 1 (SPEC)
FLARED - 1 EA

TREELINE

CONST LIMITS

PAVED DITCH TBR

EX SLOPEWALL TBR

CONST LIMITS

90' TAPER
SEE DETAILS

BEGIN IMPROVEMENT
STA 92+00.00

POT Sta 92+00.00

POT Sta 94+27.72

+30

EX SPBGR TBR

POT Sta 96+00.00

BM1

8'
12'
12'
8'

PROP HMA
SHLD, 8"

92 93 94 95+00 96 97

℄ US RTE 6

BIT APRON-MATCH EXISTING

BM2

EX SPBGR TBR

+25

EX SLOPEWALL TBR

SN 050-0108 (EX)
SN 050-2058 (PR)
STA 94+27.72
12'x12' DOUBLE
BARREL BOX CULVERT

90' TAPER
SEE DETAILS

END IMPROVEMENT
STA 96+25.00

+96
P.E.

TREELINE

CONST LIMITS

CONST LIMITS

+78.5
P.E. (AGG)

12" CMP

TBT, TY 1 (SPEC)
FLARED - 1 EA

MILLIKEN CREEK

SPBGR, TY A, 6 FT POSTS - 187.5'

TBT, TY 1 (SPEC)
FLARED - 1 EA

20 0 20
1" = 20'-0"

PAVEMENT REMOVAL

EX ROW

CHICAGO TITLE LAND TRUST TTEE TAX ID 19-09-200-003

EX ROW

BM2 ELEV. 525.69
CHISELED "□" ON SE
WINGWALL SN 050-0108
STA 94+87.06, 22.21' RT.

BM1 ELEV. 523.37
RAILROAD SPIKE IN
UTILITY POLE.
STA 96+49.48, 34.62' LT.

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
PROFILES CHECKED
BM. NOTED
STRUCTURE NO(ATN'S CHK'D
NOTE BOOK
NO.
BY
DATE

530 525 520 515 510 505 500 495 490

℄ US ROUTE 6

PR CULV
TOP EL. 514.38

518.42
-1.00%
517.70
-3.00%
516.20
-4.00%
514.20
509.20
+3.00%
511.45
517.00

PROP LT DITCH

PR PRECAST CONC BOX CULV
DBL 12' X 12', SEE STR DWGS

APPROXIMATE ROCK ELEVATION

POR GRAN EMBANK

FURNISHED
EXCAVATION

PROP RT DITCH

POROUS GRAN
BEDDING

PR CULV
U/S INV. EL. 501.75
D/S INV. EL. 501.00

	518.70	518.20	517.70	516.20	514.20	509.95	511.45						
	524.18	524.12	523.98	523.88	523.85	523.85	523.87	523.92	524.01	524.16	524.35	524.48	
	524.18	**524.21**	**524.17**	**524.07**	**524.04**	**524.04**	**524.06**	**524.08**	**524.06**				

92+00 92+50 93+00 93+50 94+00 94+50 95+00 95+50 96+00 96+50 97+00 97+50

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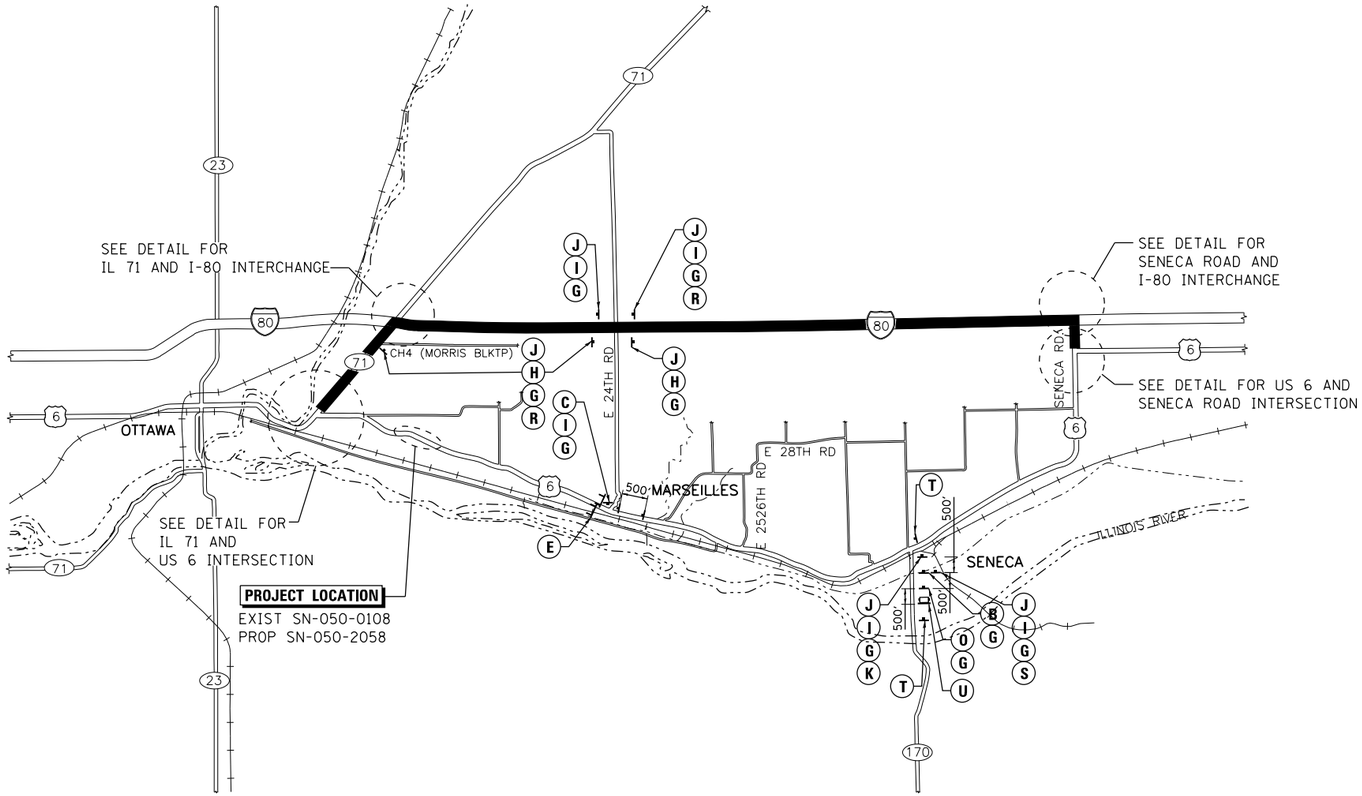
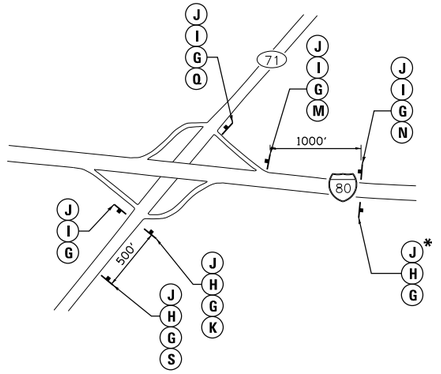
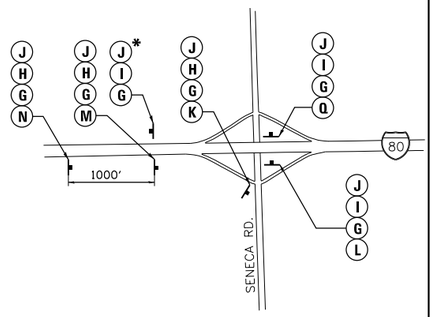
	PLOT DATE = 7/22/2015	CHECKED -	REVISED -			
		DATE -	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	11
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

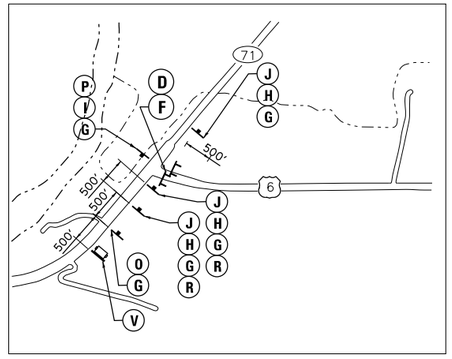




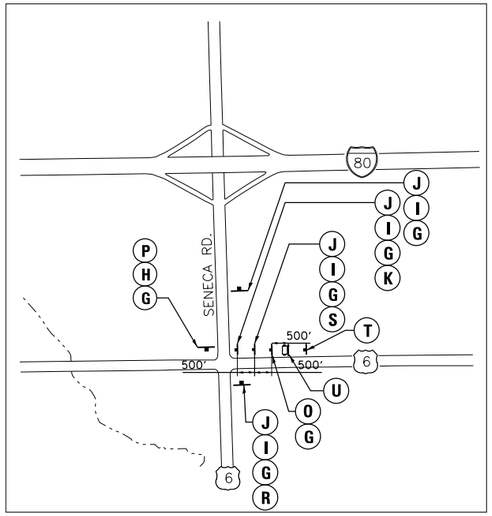
ILLINOIS 71 AND INTERSTATE 80 INTERCHANGE
* PLACE SIGNS ADJACENT TO EAST I-80 MARKER



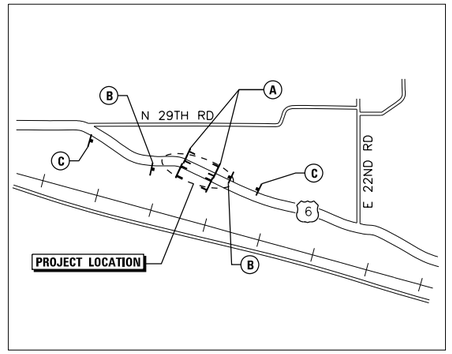
SENECA ROAD AND INTERSTATE 80 INTERCHANGE
* PLACE SIGNS ADJACENT TO WEST I-80 MARKER



ILLINOIS 71 AND US ROUTE 6 INTERSECTION



US ROUTE 6 AND SENECA ROAD INTERSECTION



PROJECT VICINITY

LEGEND

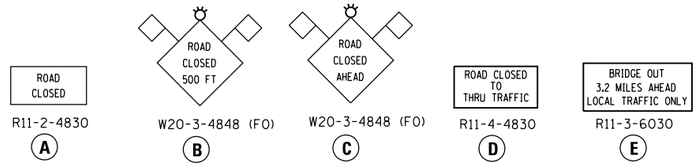
TYPE III BARRICADES CONFORMING TO STD. 701901 "ROAD CLOSED TO ALL TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE

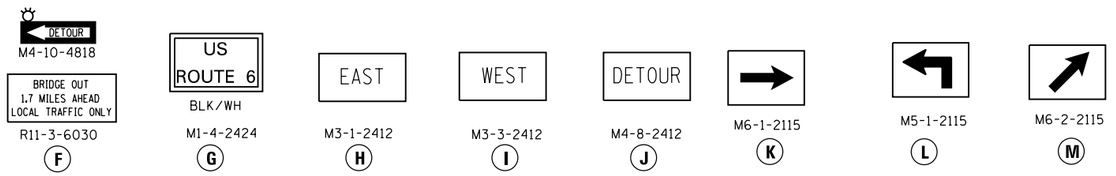
SIGNS ON PERMANENT SUPPORTS

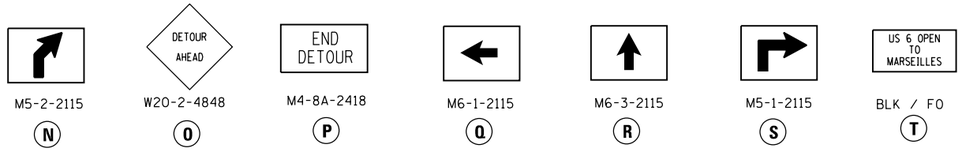
FLASHING LIGHT ABOVE SIGN

DETOUR ROUTE

CHANGEABLE MESSAGE SIGN







(U) CMS - "US 6 CLOSED WEST OF MARSEILLES"

(V) CMS - "US 6 CLOSED 1.7 MILES AHEAD"

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED, UNLESS OTHERWISE NOTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. SEE SPECIAL PROVISION DETOUR SIGNING
5. TYPE III BARRICADES CONFORMING TO STD. 701901 "ROAD CLOSED TO THRU TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE USED FOR SIGN D.
6. COVER ALL CONFLICTING EXISTING TRAFFIC SIGNS.
7. ENGINEER SHALL DETERMINE ACTUAL MESSAGES ON THE CHANGEABLE MESSAGE SIGNS.

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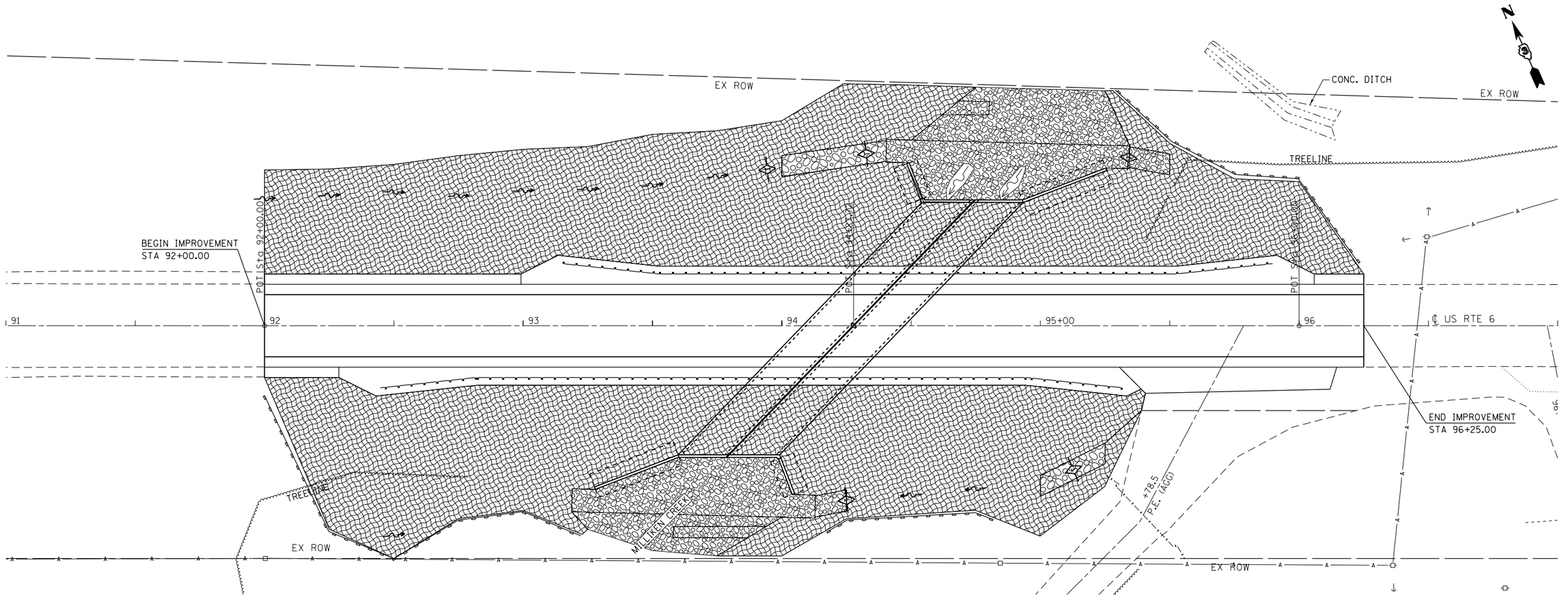
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

SCALE: NTS | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	12
		CONTRACT NO. 66A58		
		ILLINOIS	FED. AID PROJECT	



LEGEND:

- PROPOSED DITCH
- TEMPORARY DITCH CHECKS
- RIPRAP, CLASS A3 OR A4
- EROSION CONTROL BLANKET AND PERMANENT SEEDING, CLASS 3 (TEMPORARY EROSION CONTROL SEEDING AS NEEDED)
- PERIMETER EROSION BARRIER

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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	13
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

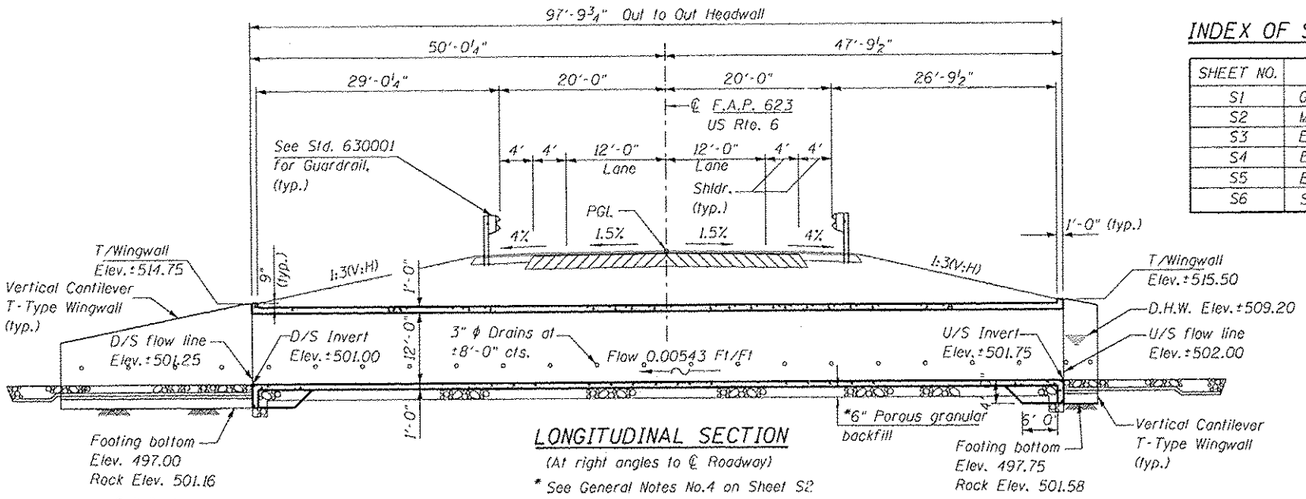
BENCH MARK #1:

Railroad spike in utility pole, sta. 96+49.48, 34.62 ft. left, Elev. 523.37.

EXISTING STRUCTURE:

The existing structure number 050-0108 was originally built in 1959 as F.A. Route 623, section H(1) in LaSalle County over Milliken Creek located 1.7 miles east of Illinois 71. The existing structure is a three span bridge constructed of steel rolled beams and 7½" Reinforced Concrete Deck with clear width of 42'-6" and back to back of abutments 141'-0". The bridge is skewed 44° left forward. The existing structure will be removed and replaced with a Double Barrel 12'-0" wide x 12'-0" high Precast Concrete Box Culvert carrying roadway measuring 40'-0" face to face of guardrail.

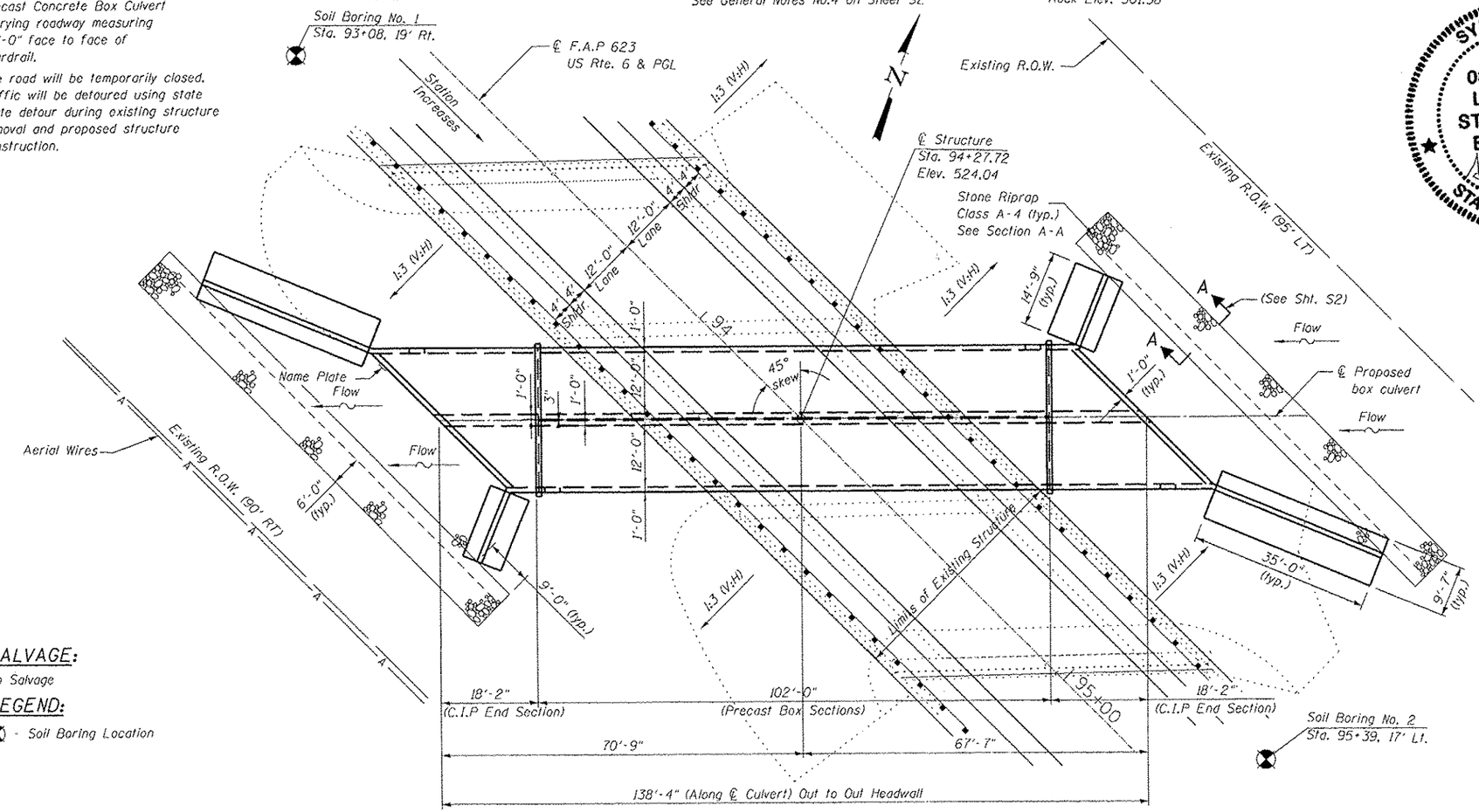
The road will be temporarily closed, traffic will be detoured using state route detour during existing structure removal and proposed structure construction.



LONGITUDINAL SECTION

(At right angles to ℄ Roadway)

* See General Notes No.4 on Sheet S2



PLAN

SALVAGE:

No Salvage

LEGEND:

⊗ - Soil Boring Location

INDEX OF SHEETS

LOADING HL-93

Allow 50 #/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2014 LRFD Bridge Design Specifications, 7th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded wire fabric)
fy = 60,000 psi (Reinforcement)

DESIGN FILL HEIGHT

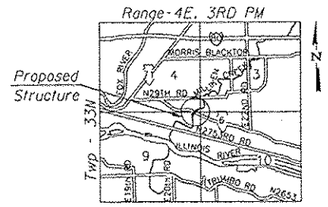
Design Earth Cover=10 ft.

SYED S. KAZI
081-007213
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
EXP 11/2016

STATION 94+27.72
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 623 SEC. (G)BR
LOADING HL93
STR. NO. 050-2058

NAME PLATE

See Std. 515001



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

DESIGNED	NS
CHECKED	SSK
DRAWN	RM
CHECKED	SSK

05-28-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S1 OF S6 SHEETS

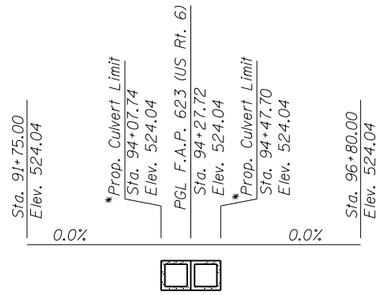
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G) BR	LASALLE	79	14
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. Excavation behind existing abutment walls shall be done before removing the existing supestructure.
4. Proposed precast concrete box culvert and cast-in-place wingwalls shall be placed on crushed material CA-7 or CA-11 for 6" layer and cost shall be included in the pay item for "Precast Concrete Box Culvert 12'x12'". It is also acceptable to place wingwalls directly on bedrock if conditions allow.
5. The material used to replace the rock removed below the bottom of proposed precast box culvert shall be crushed CA-7 or CA-11 for 6" layer.

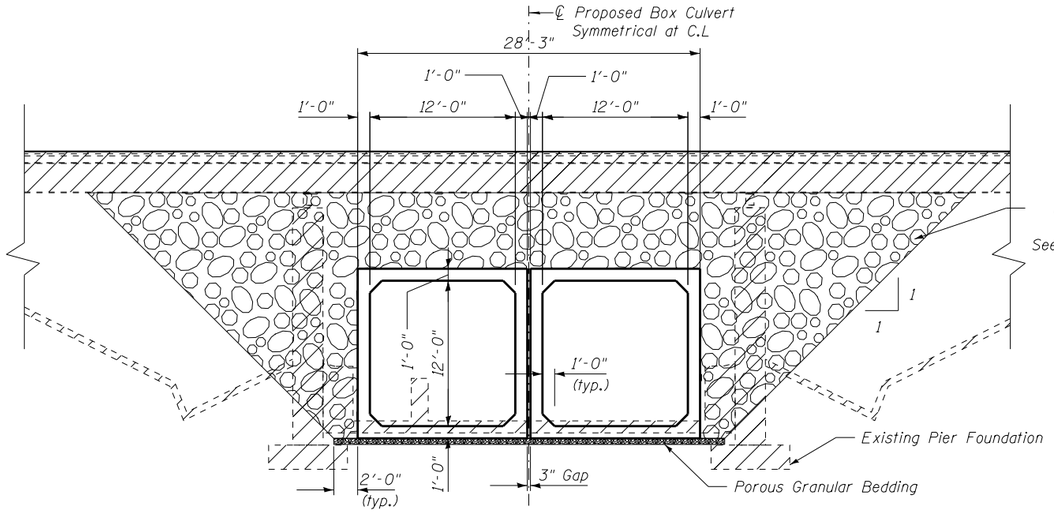
LEGEND

- Removal of Existing Structures
- Porous Granular Embankment
- Porous Granular Bedding



PROFILE GRADE

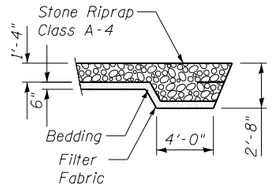
(Along ℄ F.A.P. 623)



SECTION THRU PRECAST BARREL

Dimensions at right angle to ℄ of culvert (Looking East).

3" nominal space shall be as per Standard Specifications - 2012, Section 540.06.
Cost included with pay item for "Precast Concrete Box Culvert 12'x12'".



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Name Plates	Each	1
Box Culverts End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culvert 12'x12'	Foot	204
Rock Excavation For Structures	Cu. Yd.	414
Stone Riprap, Class A4	Sq. Yd.	320
Filter Fabric	Sq. Yd.	320

WATERWAY INFORMATION TABLE

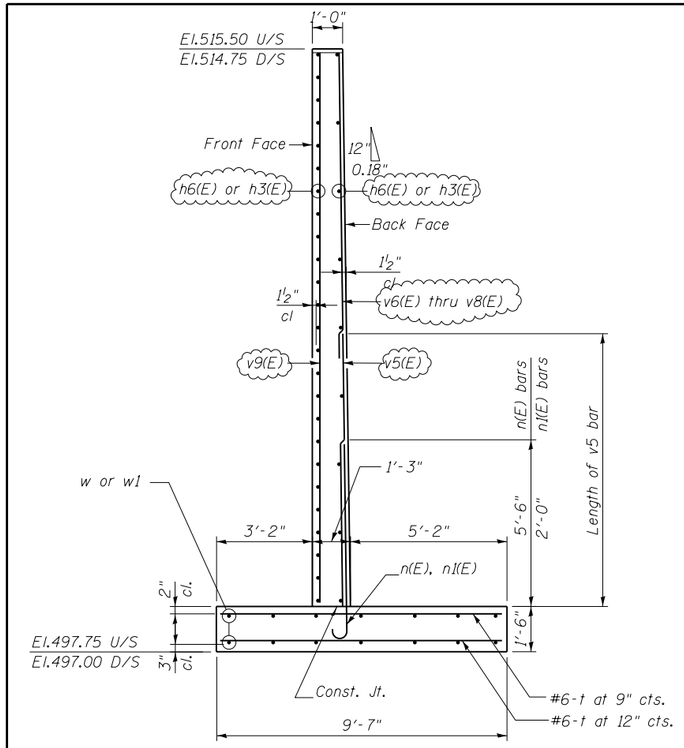
Drainage Area = 2.66 sq. mi.
Exist. Low Grade Elev. = 522.68 @ Sta. 86+25
Prop. Low Grade Elev. = 522.68 @ Sta. 86+25

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	357	127	146	508.1	0.0	0.0	508.1	508.1
Design	50	543	169	172	509.2	0.0	0.0	509.2	509.2
Base	100	618	181	179	509.5	0.0	0.0	509.5	509.5
Max. Calc.	500	800	206	193	510.0	0.1	0.0	510.1	510.0
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Existing 10-Year Velocity=3.5 ft/sec.
Proposed 10-Year Velocity=2.9 ft/sec.

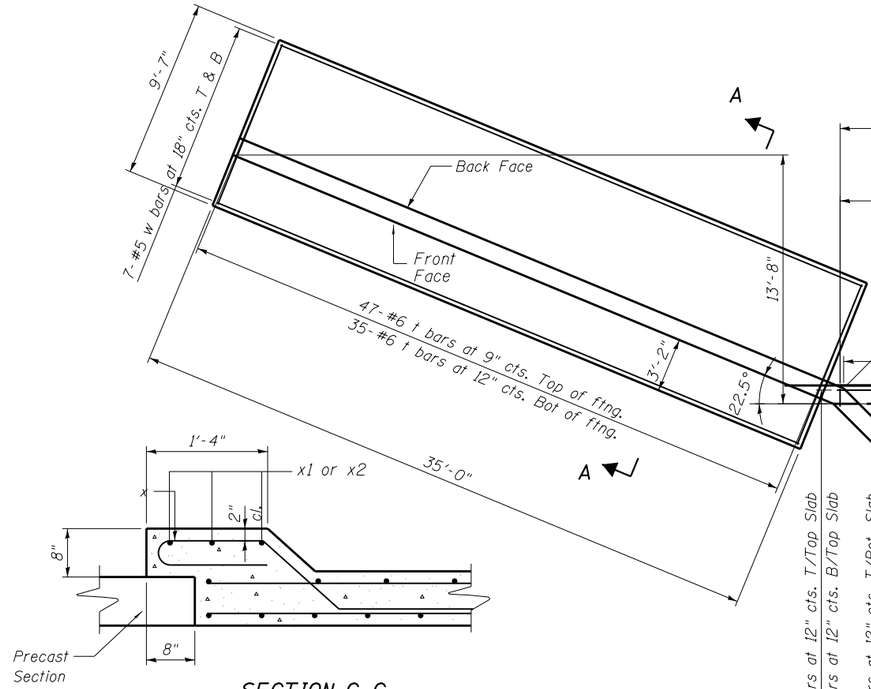
MISCELLANEOUS DETAILS
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

DESIGNED NS	REVISED BDD 6/25/2015		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED SSK		STATE OF ILLINOIS	623	(G) BR	LASALLE	49	15
DRAWN RM		DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 66A58		
CHECKED SSK	05-28-2015	SHEET NO. S2 OF S6 SHEETS			ILLINOIS FED. AID PROJECT		

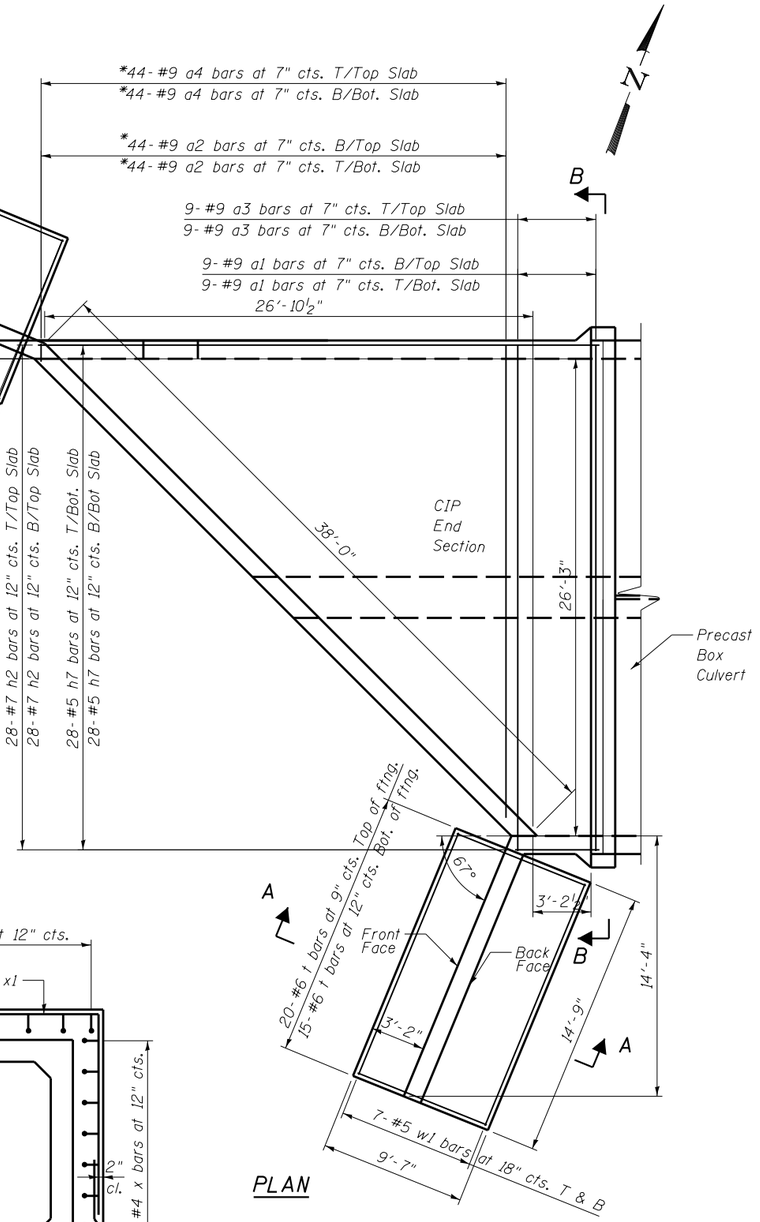


WINGWALL SECTION A-A

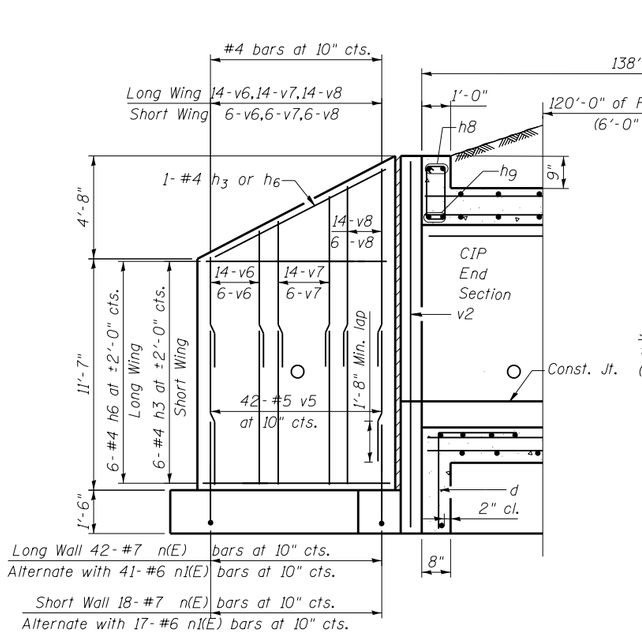
Rock Bearing Capacity > 4500 psf



SECTION C-C

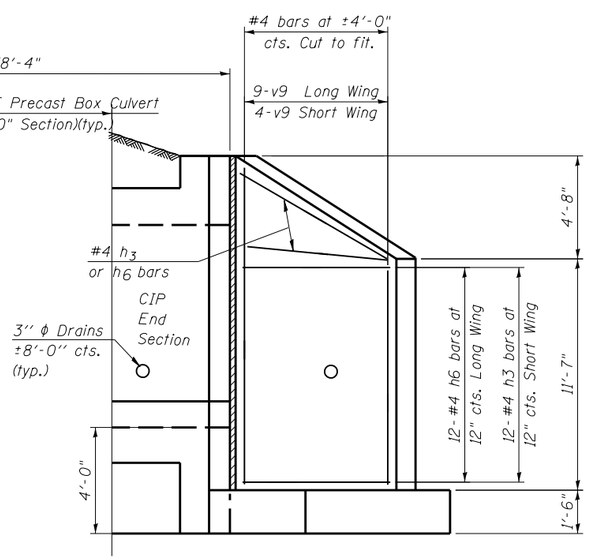


PLAN



REINF.-BACK FACE

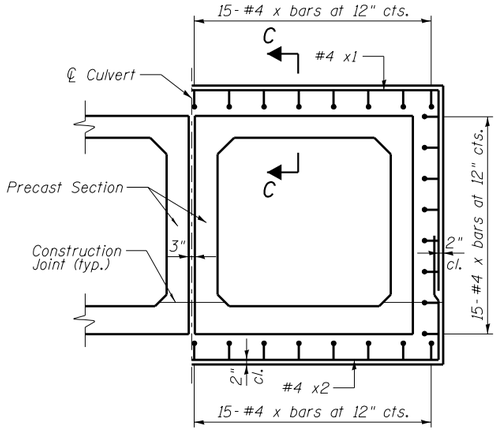
All Wingwall Stem Reinf. Bars are Epoxy Coated



REINF.-FRONT FACE

Dimensions at Rt. L's to ℄ Roadway

*See field cutting diagram on sheet S5



SECTION B-B

(Symmetrical about ℄ of Culvert)

END SECTION (1 OF 3)
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

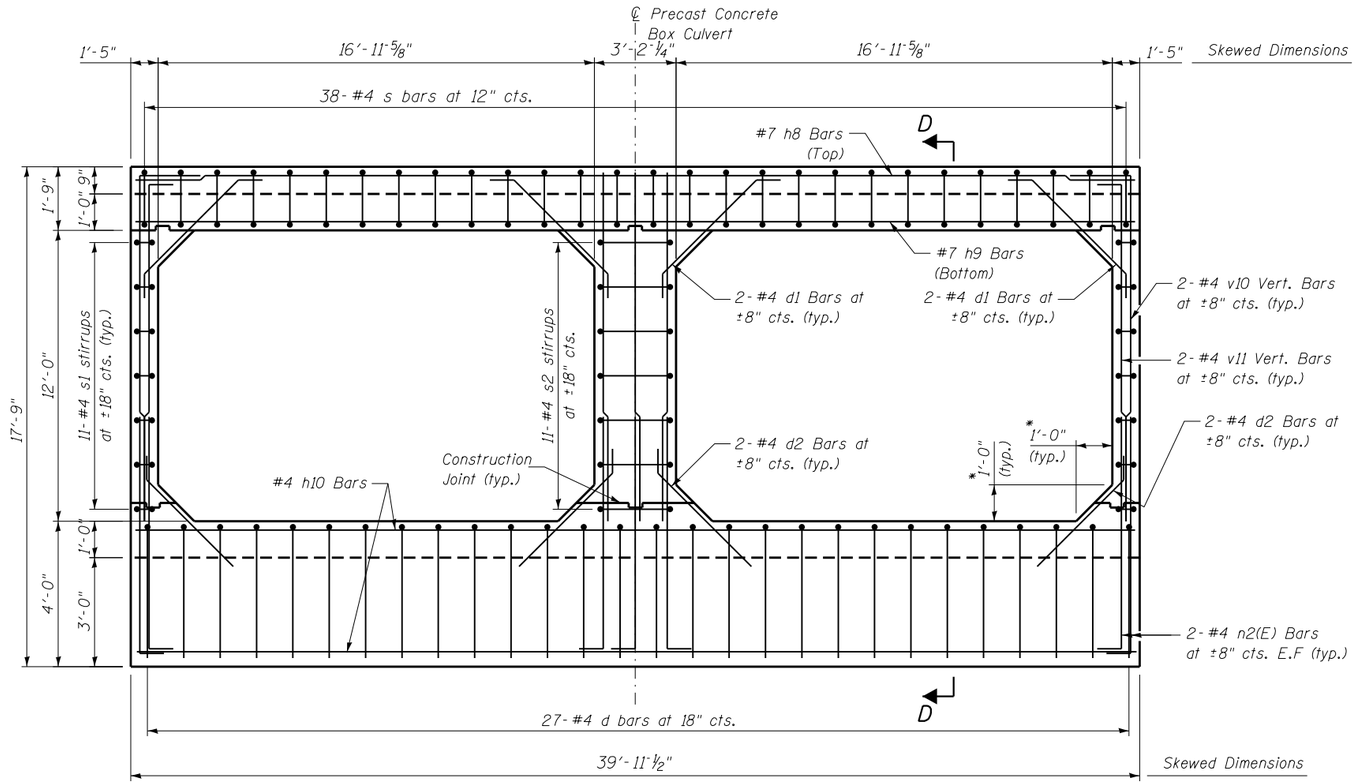
DESIGNED	NS
CHECKED	SSK
DRAWN	RM
CHECKED	SSK

09-29-2015
05-28-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

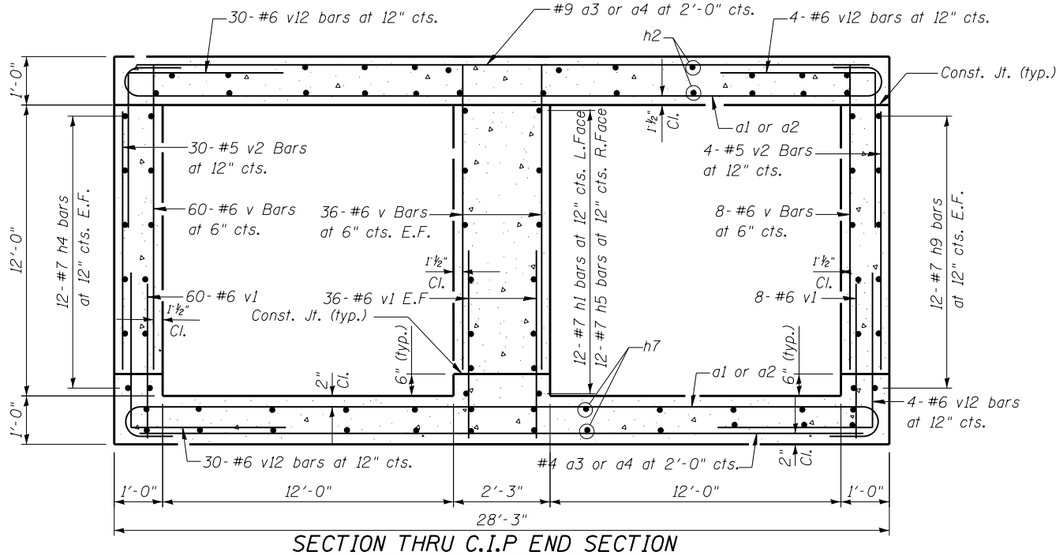
SHEET NO. S3 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G) BR	LASALLE	49	16
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		



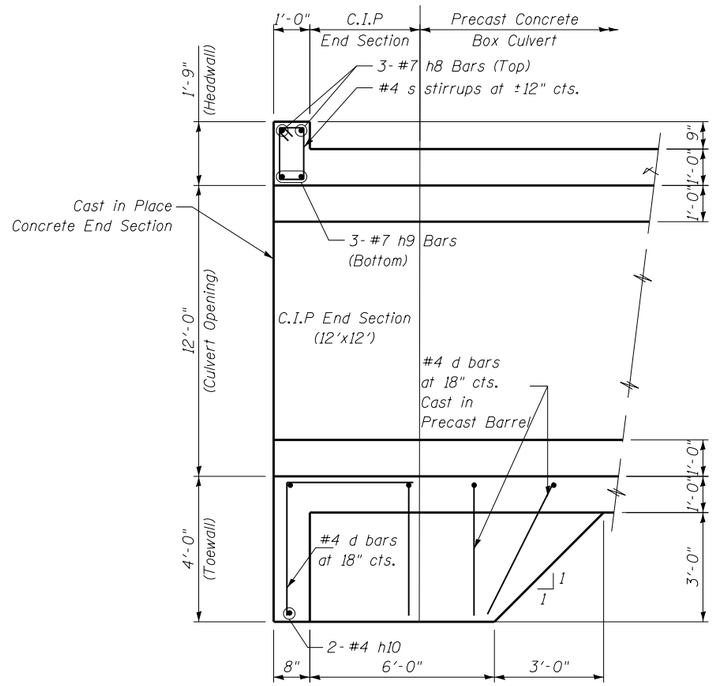
ELEVATION

(Looking East Perpendicular to Roadway)
*Dimensions At Rt. Angles

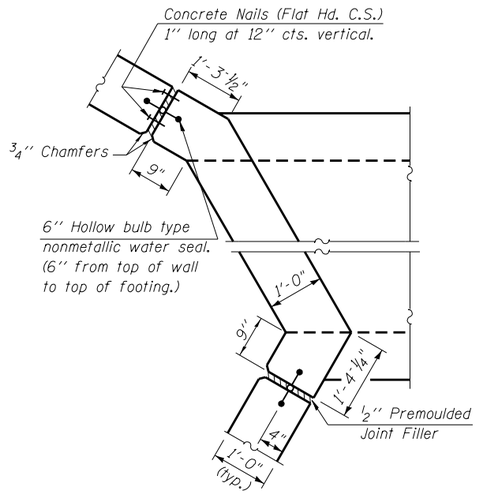


SECTION THRU C.I.P END SECTION

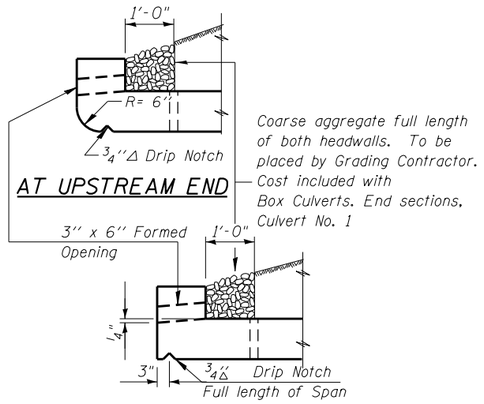
(Looking East Along ℄ of Culvert)



SECTION D-D



CORNER DETAIL



AT DOWNSTREAM END DRAIN DETAIL

END SECTION (2 OF 3)
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

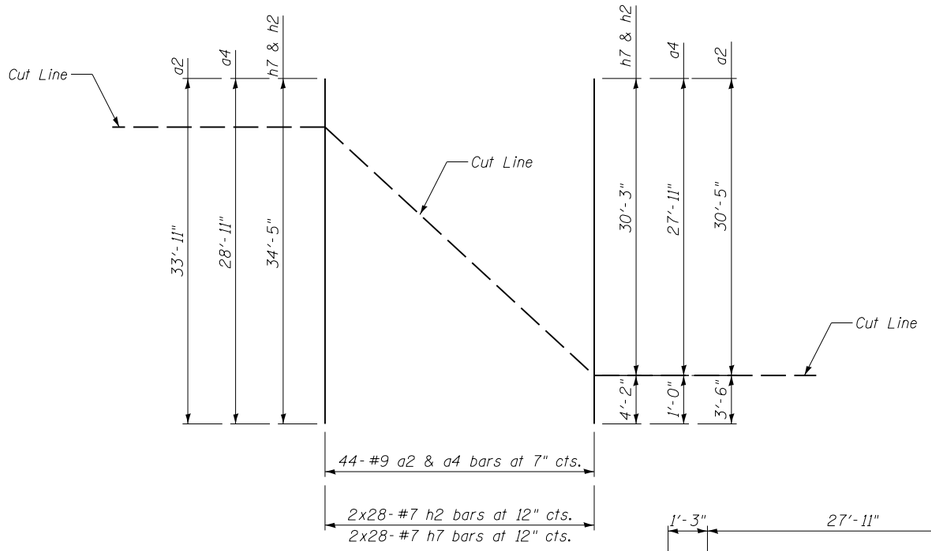
DESIGNED	NS
CHECKED	SSK
DRAWN	RM
CHECKED	SSK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

05-28-2015

SHEET NO. S4 OF S6 SHEETS

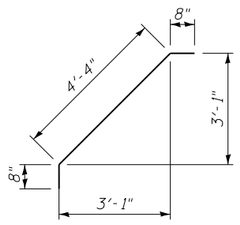
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G) BR	LASALLE	49	17
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			



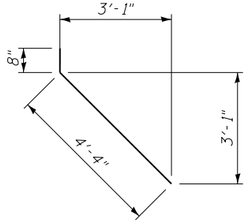
BARS a2, a4, h2 & h7

FIELD CUTTING DIAGRAM

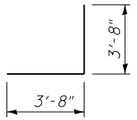
Order bars full length. Cut to fit as shown and place in one end section. Use remainder of bars in opposite end section.



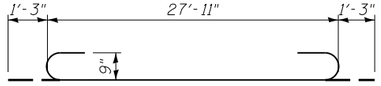
BAR d1



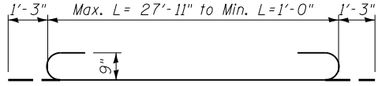
BAR d2



BAR d

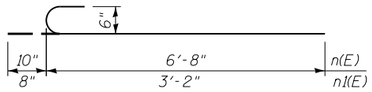


BAR a1

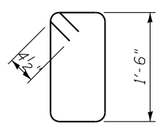


BAR a2

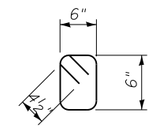
See Cut Diagram



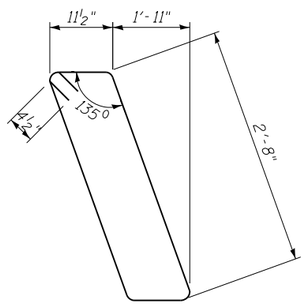
n(E) & n1(E) BARS



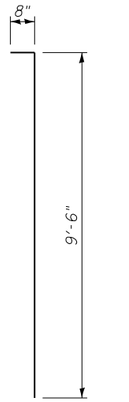
BAR s



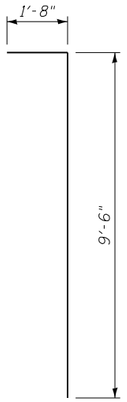
BAR s1



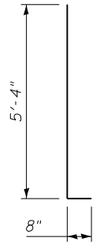
BAR s2



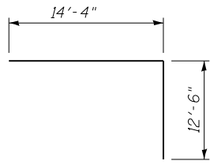
BAR v11



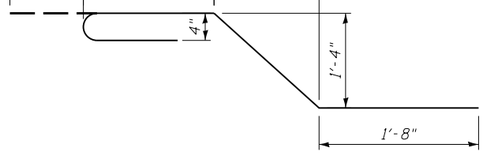
BAR v10



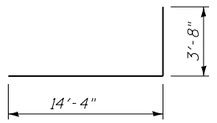
BAR n2(E)



BAR x1



BAR x



BAR x2

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	36	#9	30'-5"	
a2	88	#4	33'-11"	
a3	36	#9	27'-11"	
a4	88	#9	28'-11"	
d	62	#4	7'-4"	
d1	52	#4	5'-8"	
d2	52	#4	5'-0"	
h1	11	#7	18'-4"	
h2	28	#7	34'-5"	
(h3(E))	46	#4	14'-3"	
h4	24	#7	30'-3"	
h5	12	#7	17'-4"	
(h6(E))	46	#4	34'-6"	
h7	28	#5	34'-5"	
h8	8	#6	36'-8"	
h9	24	#7	4'-2"	
h10	4	#4	36'-8"	
n(E)	120	#7	7'-6"	
n1(E)	120	#6	4'-0"	
n2(E)	8	#4	6'-0"	
s	76	#4	5'-3"	
s1	22	#4	3'-3"	
s2	11	#4	8'-0"	
t	234	#6	9'-1"	
v	140	#6	12'-2"	
v1	140	#6	2'-6"	
(v2(E))	34	#5	11'-2"	
v3	8	#5	12'-11"	
v4	8	#5	6'-2"	
(v5(E))	40	#5	6'-1"	
(v6(E))	40	#4	7'-6"	
(v7(E))	40	#4	9'-1"	
(v8(E))	26	#4	15'-9"	
(v9(E))	32	#4	11'-4"	
v10	4	#4	11'-2"	
v11	4	#4	10'-2"	
v12	68	#6	8'-0"	
w	28	#5	34'-6"	
w1	28	#5	14'-3"	
x	86	#4	5'-8"	
x1	6	#4	26'-10"	
x2	6	#4	18'-0"	
Concrete Structures		Cu. Yd.	259	
Reinforcement Bars, Epoxy Coated		Pound	5,672	
Reinforcement Bars		Pound	42,908	

Notes:

1. Quantity of Concrete and Reinforcement Bars is shown for information only.
2. Quantities shown are for four wingwalls and two end sections.

END SECTION (3 OF 3)
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

DESIGNED	NS
CHECKED	SSK
DRAWN	RM
CHECKED	SSK

09-29-2015
05-28-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S5 OF S6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G) BR	LASALLE	49	18
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 7/24/12

ROUTE US 6 (FAP 623) DESCRIPTION US 6 over Milliken Creek, 1.7 miles East of IL 71 LOGGED BY Larry Myers

SECTION (G)BR LOCATION NE 1/4, SEC. 9, TWP. 33N, RNG. 4E,
Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0108 (Exist.)
Station 94+27.72 (Prop.)

BORING NO. 1 (S.W. Quad.)
Station 93+08
Offset 19.0 ft Rt.
Ground Surface Elev. 523.66 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 502.27 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered White Shoulder Stone, Brown Sand & Gravel Fill			
521.16			
Very Stiff to Hard Brown, Gray Silty Clay Loam Till Fill & Black Silty Clay Loam Fill & Blue/Green Silty Clay Fill	7		
	5 5	3.7 B	16
-5	4		
	3 4	3.2 B	27
516.16			
Very Stiff Brown Silty Clay Loam Till Fill	3		
	4 5	3.5 B	15
-10	5		
	6 7	4.0 S	13
511.16			
Very Stiff Black Silty Clay with Heavy Gravel Pieces - Fill	3		
	6 6	3.5 P	19
508.66 -15	2		
Very Stiff to Stiff Black Silty Clay Loam	4 4	3.0 P	26
	2		
	2 2	1.5 P	34
504.16			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray & Brown Clay & Reworked Shale *(continued)*	5		
	7 9	>4.5 P	24
501.16			
Dense Dark Gray Clay Shale	10		
	23 58	>4.5 P	29
499.16			
-25			
Very Dense & Brittle Black Clay Shale - with Higher Organics - Coalish - Low Grade Coal 496.24	100/5"		11
End of Boring			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 7/24/12

ROUTE US 6 (FAP 623) DESCRIPTION US 6 over Milliken Creek, 1.7 miles East of IL 71 LOGGED BY Larry Myers

SECTION (G)BR LOCATION NE 1/4, SEC. 9, TWP. 33N, RNG. 4E,
Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0108 (Exist.)
Station 94+27.72 (Prop.)

BORING NO. 2 (N.E. Quad.)
Station 95+39
Offset 17.0 ft Lt.
Ground Surface Elev. 523.58 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 501.77 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Shoulder Stone & White Sand/Gravel Fill			
521.08			
Very Stiff Buff Silty Loam/Silty Clay Loam Till Fill	4		
	4 4	2.5 P	14
519.08			
-5			
Very Loose Loamy Sand & Gravel Fill	1		
	1 1		18
516.58			
Very Stiff Light Brown Silty Loam/Silty Clay Loam Till Fill with Loamy Gravel Layers - Fill	3		
	4 5	3.5 P	11
-10	6		
	6 5	3.0 P	10
511.58			
Very Stiff Dark Brown Silty Clay Loam Fill	3		
	4 5	3.3 S	24
-15	2		
	2 3	2.1 S	20
506.58			
Stiff to Very Stiff Brown Silty Clay Loam with Heavy Gravel	2		
	2 3	2.4 S	18
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff Brown Silty Clay Loam with Heavy Gravel *(continued)*	2		
	5 4	2.6 S	18
501.58			
Very Dense & Brittle Black Clay Shale with Higher Organics - Coalish - Low Grade Coal 500.41	75		
	100/2"		12
End of Boring			
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

SOIL BORING LOGS
US ROUTE 6 OVER MILLIKEN CREEK
F.A.P. ROUTE 623 - SECTION (G)BR
LASALLE COUNTY
STATION 94+27.72
STRUCTURE NO. 050-2058

DESIGNED	NS
CHECKED	SSK
DRAWN	RM
CHECKED	SSK

05-28-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S6 OF S6 SHEETS

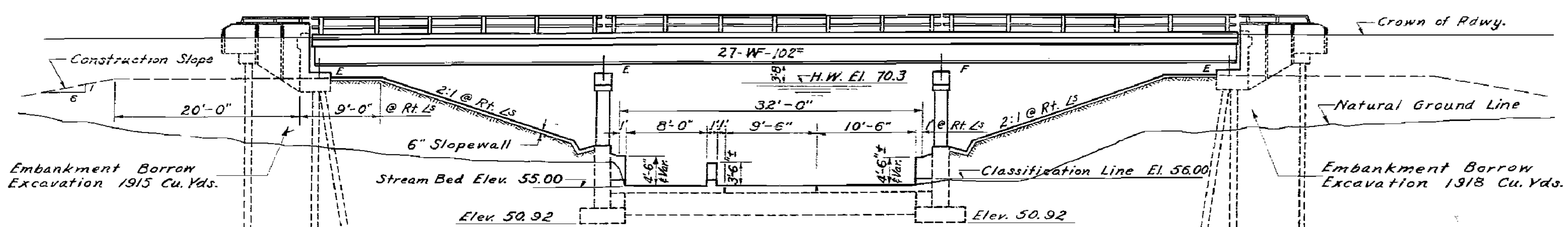
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G) BR	LASALLE	49	19
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		

BM #1B □ Cut top S.E. Corner of S.W. Wing Wall Bridge Lt. 95+ El. 72.36
Existing Structure: Concrete thru girders on reinforced concrete abuts. 19'-3" Rdwy.; 56'-6¾" Span. To be removed by contractor after new structure is finished.

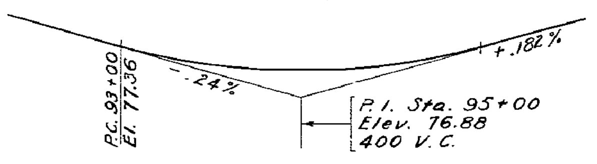
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

F.A.S. 1355	G6-1	LASALLE	62	7

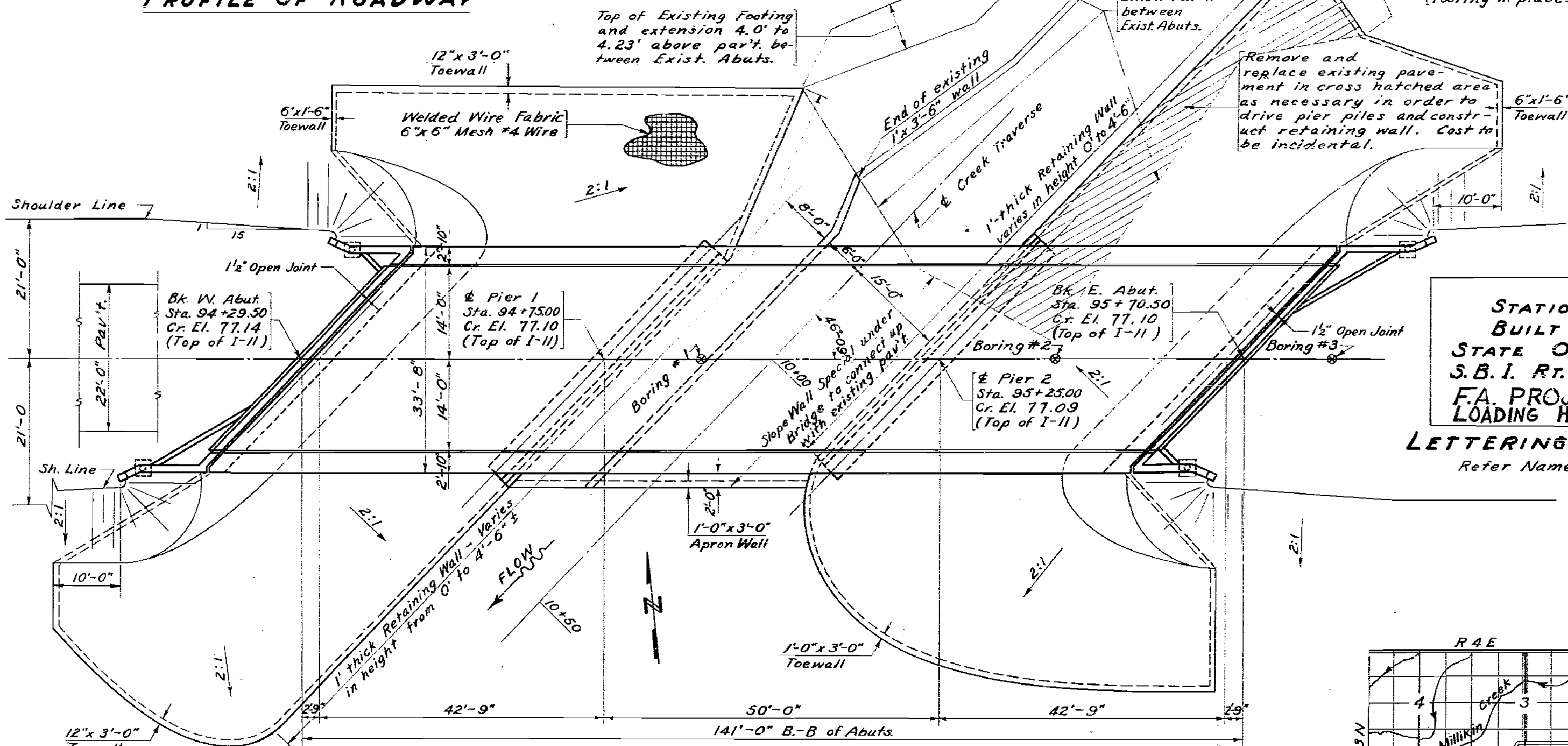
SHEET NO. 1 — 8 SHEETS



ELEVATION



PROFILE OF ROADWAY



PLAN

GENERAL NOTES

Class X concrete shall be used throughout.

The concrete floor slab shall be finished in accordance with Article 51.18 (a) of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq. ft.

Layout of slopewalls may be varied to suit ground conditions in the field, as directed by the Engineer.

Railings shall be adjusted to true alignment after curbs have been poured.

All rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.14 of the Standard Specification and are included in quantity of Structural Steel. Est. wt. 5300 Lbs.

Anchor bolts shall be set before riveting diaphragms over supports.

The following surfaces of expansion guards shall be given two shop coats of red lead paint; outside face of the vertical leg and top face of the horizontal legs of 4"x4"x½" angles.

Expansion guards are included in quantity of Structural Steel. Est. wt. = 2350 lb.

Expansion guards shall be fabricated and erected in accordance with Article 51.12 (d) of the Standard Specifications.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 57.1 to 57.5 of the Standard Specifications.

All paint shall be furnished and applied by the contractor.

The contractor shall drive 2 test piles (in permanent locations) as directed by the Engineer before ordering remainder of the piles. 1 test pile to be driven at the North End of the West Abutment and 1 test pile to be driven at the South End of the East Abutment.

Holes 13/16"; Rivets ¾" except as noted

BORING #1

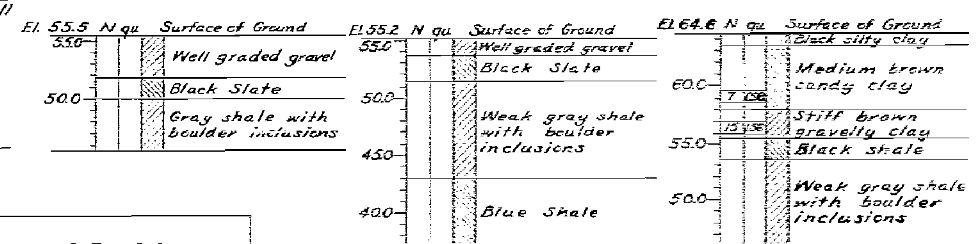
Boring located at Sta. 94+90 on ℄.

BORING #2

Boring located at Sta. 95+40 on ℄.

BORING #3

Boring located at Sta. 95+90 on ℄.



Note: N = Blows per foot of penetration of sampling spoon. Hammer Weight = 350 Lbs. Drop = 12 inches.
qu = Unconfined compressive strength in tons per square foot.

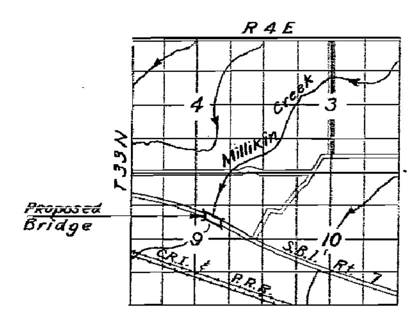
STATION 95+00
BUILT 195_ BY
STATE OF ILLINOIS
S.B.I. RT. 7 SEC. GB-1
F.A. PROJ. DS-1055(1)
LOADING H-20-S16

LETTERING FOR NAME PLATE

Refer Name Plate to Std. 2113

TOTAL BILL OF MATERIALS

Item	Unit	Superstr.	Substr.	Total
Class X Concrete	Cu. Yds.	123.5	298.8	422.3
Reinforcement Bars	Lbs.	20,970	16,580	37,550
Structural Steel	Lbs	105,700		105,700
Steel Piles (8BP36)	Lin. Ft.		448	448
Test Piles (Steel)	Each		2	2
Alternate "A" Metal Handrail	Lin. Ft.	308		308
Alternate "B" Aluminum Handrail	Lin. Ft.	319		319
Class B Excavation for Struct.	Cu. Yds.		282	282
Class A Excavation for Struct.	Cu. Yds.		32	32
Slope Wall	Sq. Yds.		1303	1303
Name Plates	Each	One		One
Removal of Existing Struct.	Each	One		One
Slope Wall-Special	Sq. Yds.		215	215



LOCATION PLAN

GENERAL PLAN
BRIDGE OVER MILLIKIN CREEK
S.B.I. RT. 7 - SEC. G-B1
LA SALLE COUNTY
STA. 95+00

DESIGNED	M. Yamashiro
CHECKED	T. Tanaka
DRAWN	T.A. Sunner
CHECKED	T. Tanaka

MAY 22 1958
EXAMINED — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

DESIGN STRESSES

f'c = 1,000 psi. Substructure
fc = 1,400 psi. Superstructure
fs = 20,000 psi. Reinf.
fs = 18,000 psi. Struct.
v = 75 psi. Pier Footing
Maximum Footing Pressure = 4420 psf.
n = 10
Loading H 20 - S16 - 44

WATERWAY INFORMATION

Drainage Area	1,790 Acres
Character	Hilly, Wooded
Required Opening (30 Yr. Fl)	250 Sq. Ft.
Present Opening	402 Sq. Ft.
Proposed Opening	688 Sq. Ft.
Ordinary Water Elevation	55.0
Low Water Elevation	55.0

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

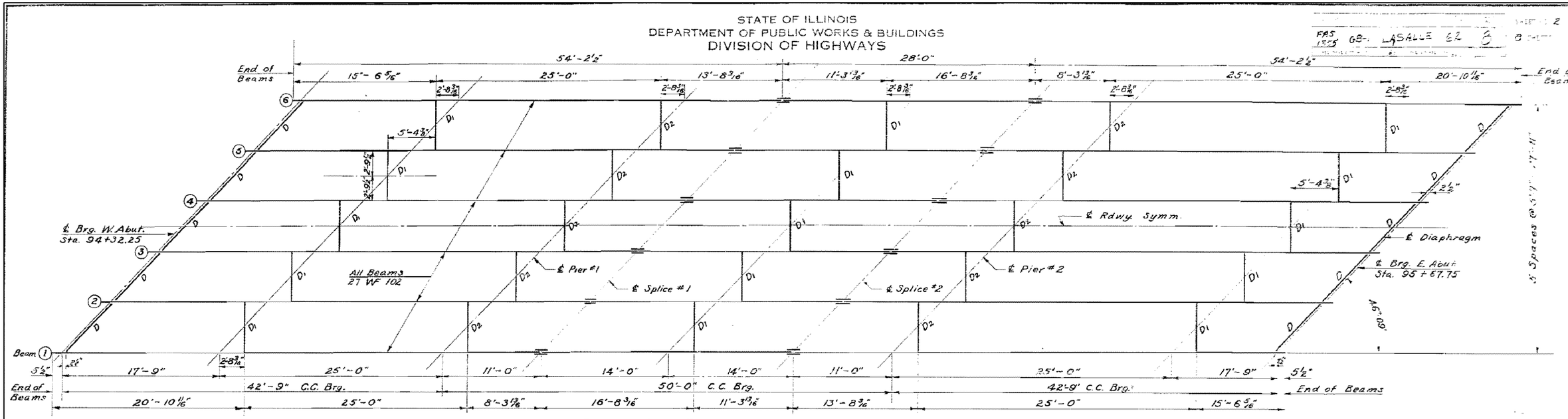
SCALE: NTS | SHEET NO. 1 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	20

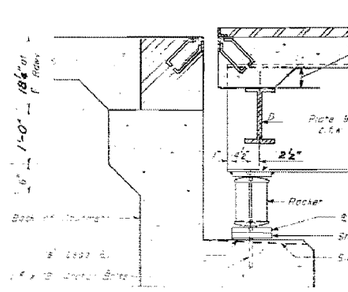
CONTRACT NO. 66A58
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

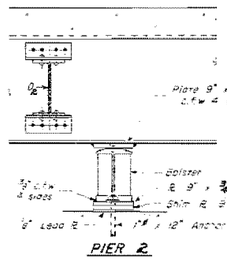
FAS 1575 GB- LASALLE CO 3 SHEET 2 OF 14 SHEETS



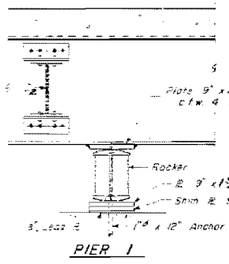
PLAN OF STRUCTURAL STEEL



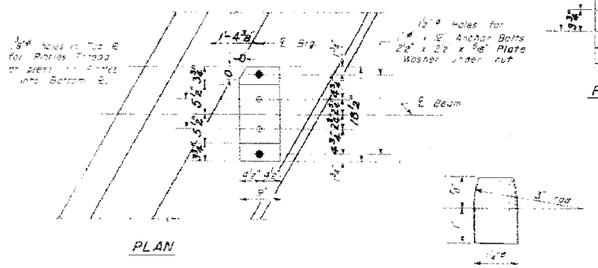
SECTION AT ABUTMENT

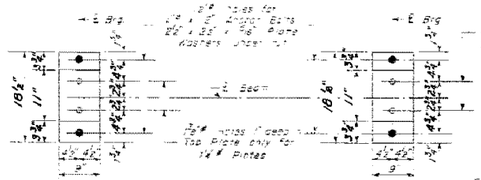


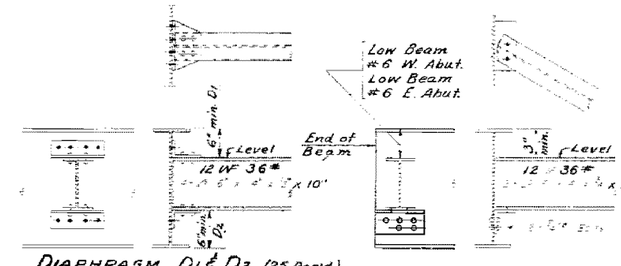
PIER 2



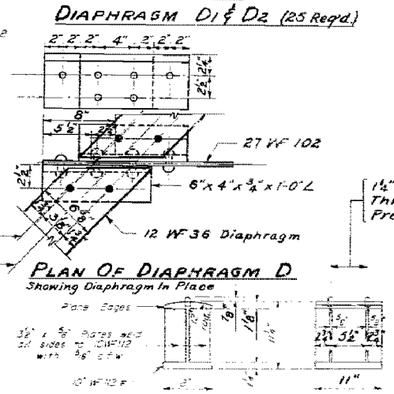
PIER 1

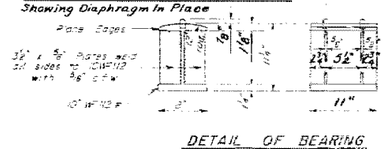




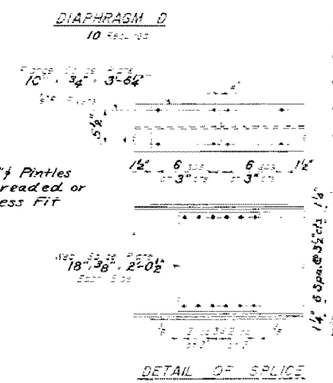


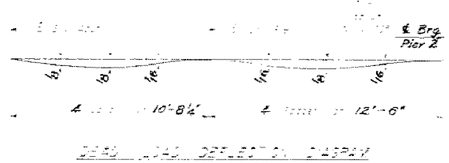
DIAPHRAGM D1 & D2 (25 Reqd.)





DIAPHRAGM D
10 Reqd.





DEAD LOAD DEFLECTION DIAGRAM
Weight of Beams Not Included

ELEVATION TOP OF BEAMS

	℄ Brg. W. Abut.	℄ Brg. Pier 1	℄ Splice #1	℄ Splice #2	℄ Brg. Pier 2	℄ Brg. E. Abut.
#1	76.296	76.154	76.119	76.105	76.114	76.143
#2	76.386	76.245	76.209	76.199	76.206	76.235
#3	76.433	76.292	76.256	76.247	76.255	76.283
#4	76.431	76.290	76.254	76.246	76.254	76.283
#5	76.379	76.238	76.202	76.196	75.204	76.232
#6	76.284	76.143	76.107	76.103	75.110	76.138

REVISED ELEVATION TOP OF BEAMS

BEAM \ LOCATION	℄ Brg. W. Abut.	℄ Brg. Pier #1	℄ Splice #1	℄ Splice #2	℄ Brg. Pier #2	℄ Brg. E. Abut.
#1	76.324	76.350	76.264	76.25.	76.340	76.273
#2	76.415	76.55.	76.334	76.325	76.332	76.325
#3	76.463	76.325	76.28.	76.272	76.281	76.313
#4	76.461	76.321	76.285	76.27.	76.283	76.313
#5	76.409	76.344	76.233	76.222	76.231	76.263
#6	76.314	76.349	76.232	76.228	76.236	76.269

TABLE OF "t" DIMENSIONS *

Beam	#1	#2	#3	#4	#5	#6
W. Abut.	0	0	3/8	5/8	0	0
Pier 1	0	0	5/8	3/8	0	0
Pier 2	0	0	5/8	5/8	0	0
E. Abut.	0	0	5/8	5/8	0	0

* Shim ℄ Thickness

STRUCTURAL STEEL DETAILS
BRIDGE OVER MILLIKIN CREEK
S.B.I. RT. 7 – SEC. G-B1
LA SALLE COUNTY
STA. 95+00

DESIGNED	M. Tamashiro		
CHECKED	T. Tanaka		
DRAWN	A. A. Soussanis		
CHECKED	T. Tanaka		

EXAMINED May 22 1958
PASSED
APPROVED

I-2-L Drawn 5-1-57 Revised 12-8-58

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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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EXISTING SN 050-0108

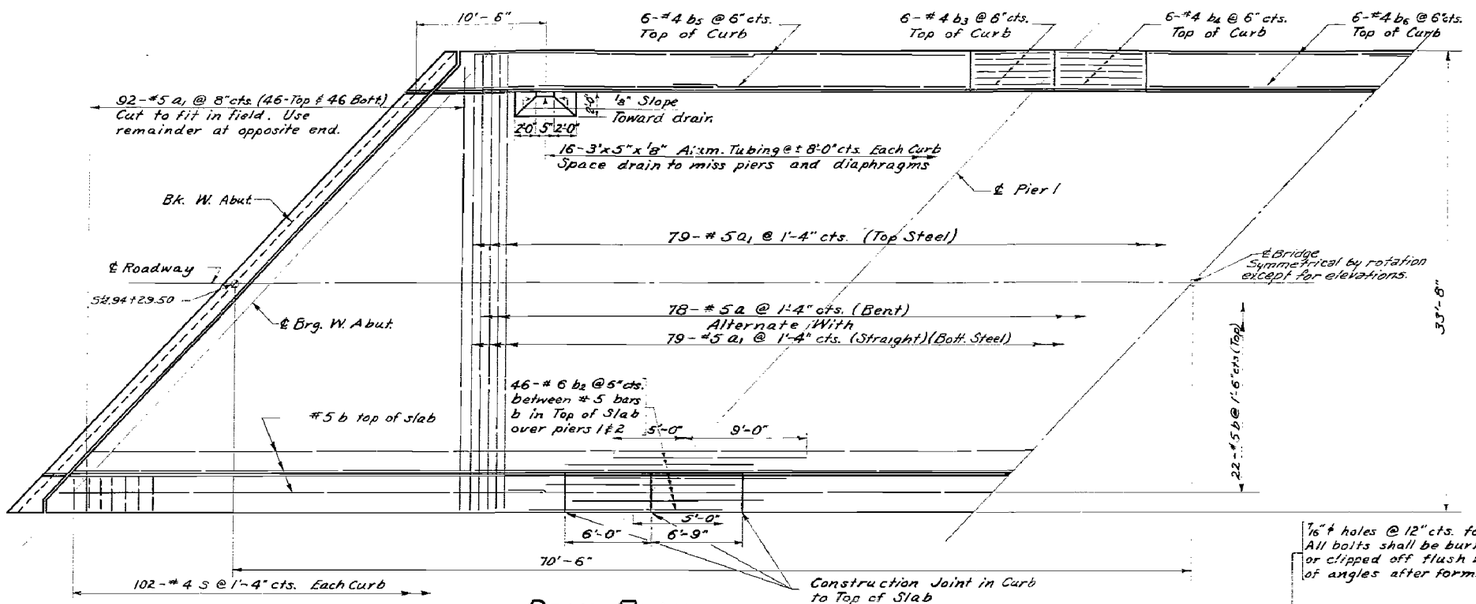
SCALE: NTS | SHEET 2 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	21
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

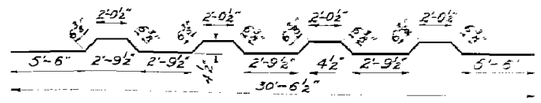
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAS 1355	GB-1	LASALLE	62	9

2 SHEETS



DECK PLAN



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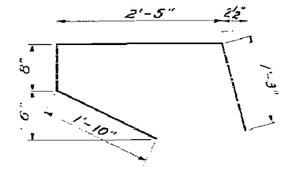
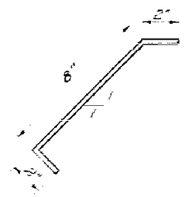
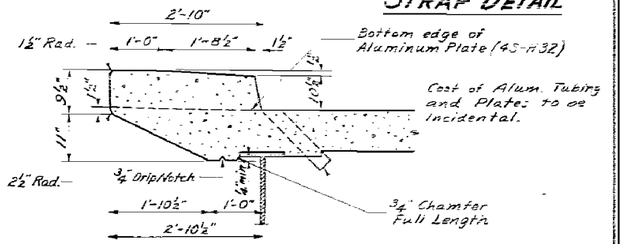


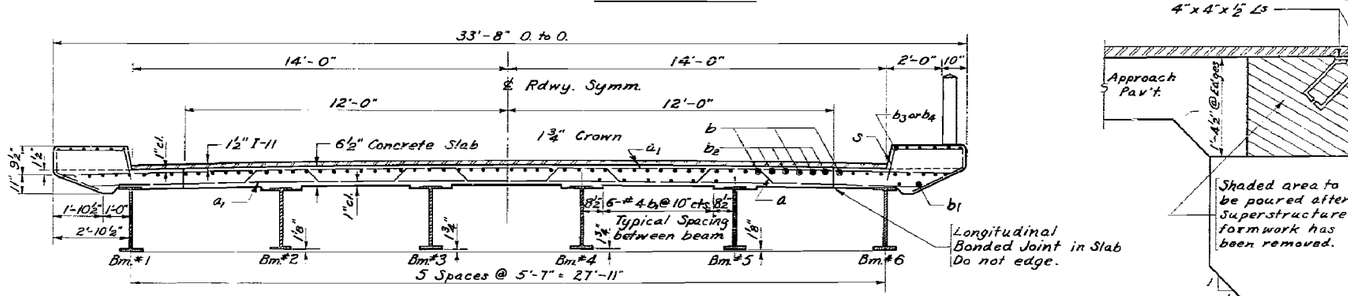
BAR-S



STRAP DETAIL

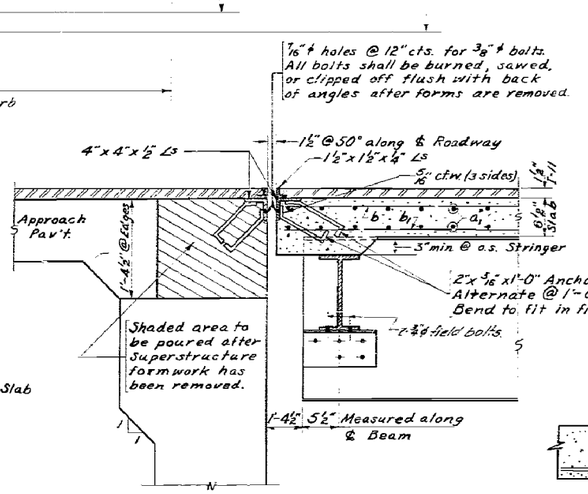


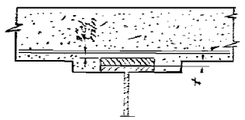
CURB DETAIL



CROSS SECTION NEAR PIER

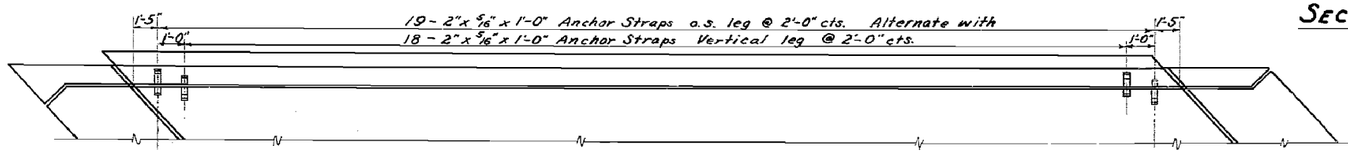
Looking West





DETAIL SHOWING IN BEDDING OF I BEAM IN SLAB

SECTION THRU ABUT.



STRAP SPACING @ ABUT.

Method Of Determining Fillet Heights - "t"

After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the increment of deflection for these points determined from the D.L. deflection diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness, equals the fillet heights above top of beam.

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
a	78	#5	31'-9"	
a1	204	#5	32'-0"	
b	110	#5	28'-9"	
b1	170	#4	28'-6"	
b2	92	#6	14'-0"	
b3	24	#4	5'-9"	
b4	24	#4	6'-6"	
b5	48	#4	19'-9"	
b6	24	#4	19'-0"	
s	204	#4	6'-2"	
Class X Concrete		Cu.Yds.	123.5	
Reinforcement Bars		Lbs.	20,370	
Structural Steel		Lbs.	155,722	
Name Plates		Each	One	

DESIGNED W. Tamashiro
CHECKED T. Tanaka
DRAWN H.A. Iverson
CHECKED T. Tanaka

MAY 22 19 58
EXAMINED
PASSED
APPROVED

Revised - added detail showing imbedding of I beam in slab 10-2-58 WT

SUPERSTRUCTURE
BRIDGE OVER MILLIKIN CREEK
S.B.I. RT. 7 - SEC. G-BI
LA SALLE COUNTY
STA. 95+00

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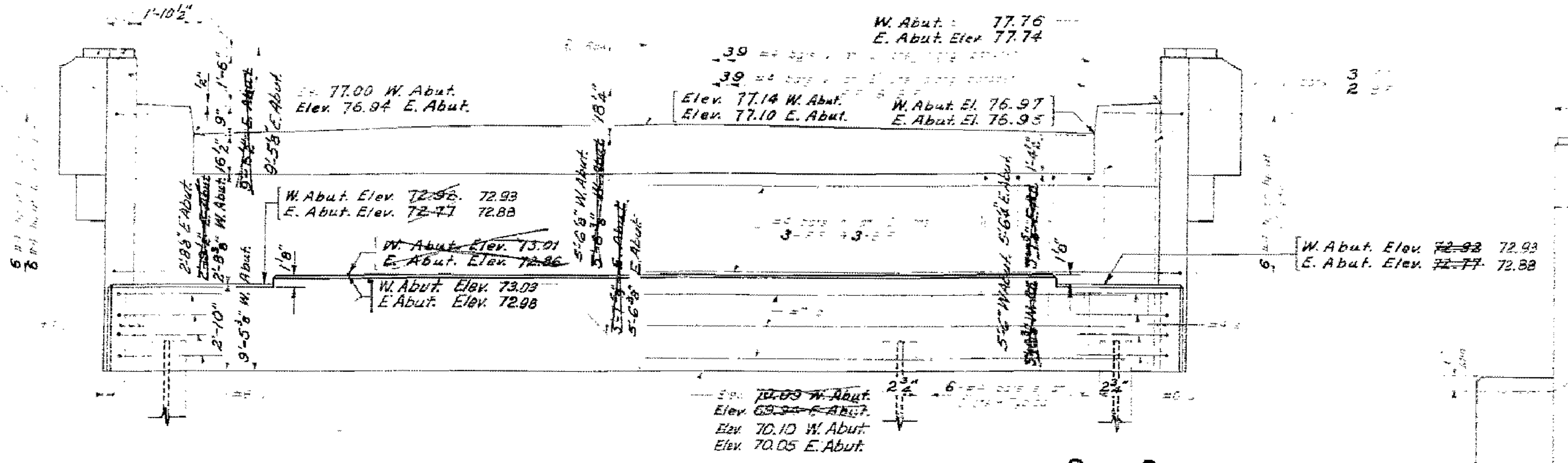
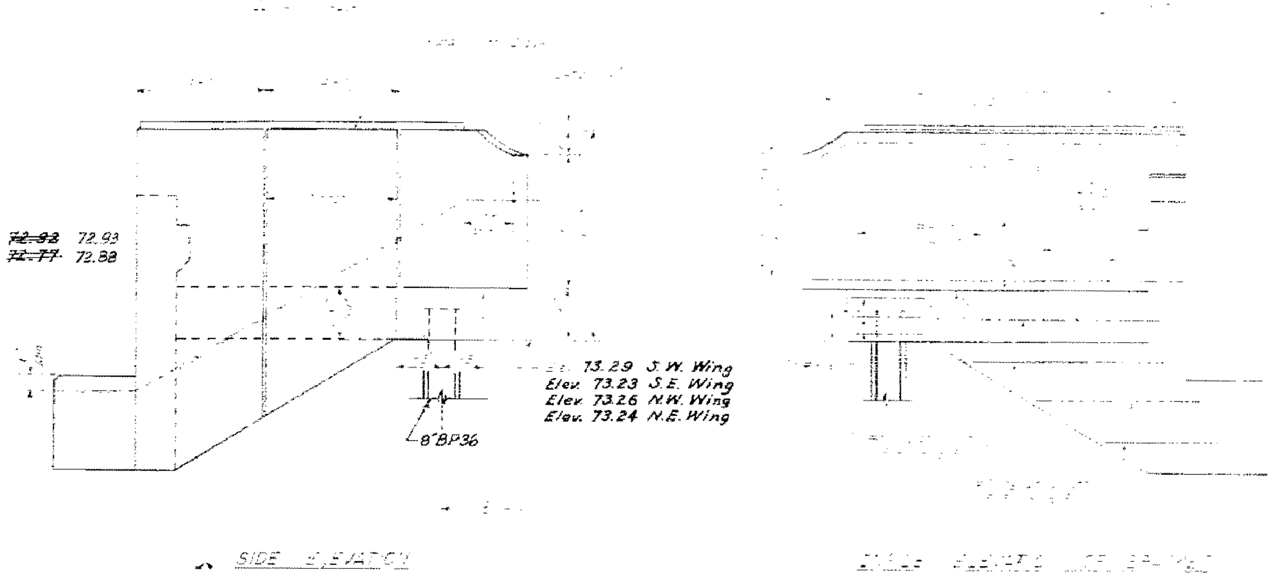
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

SCALE: NTS | SHEET 3 OF 14 SHEETS | STA. | TO STA.

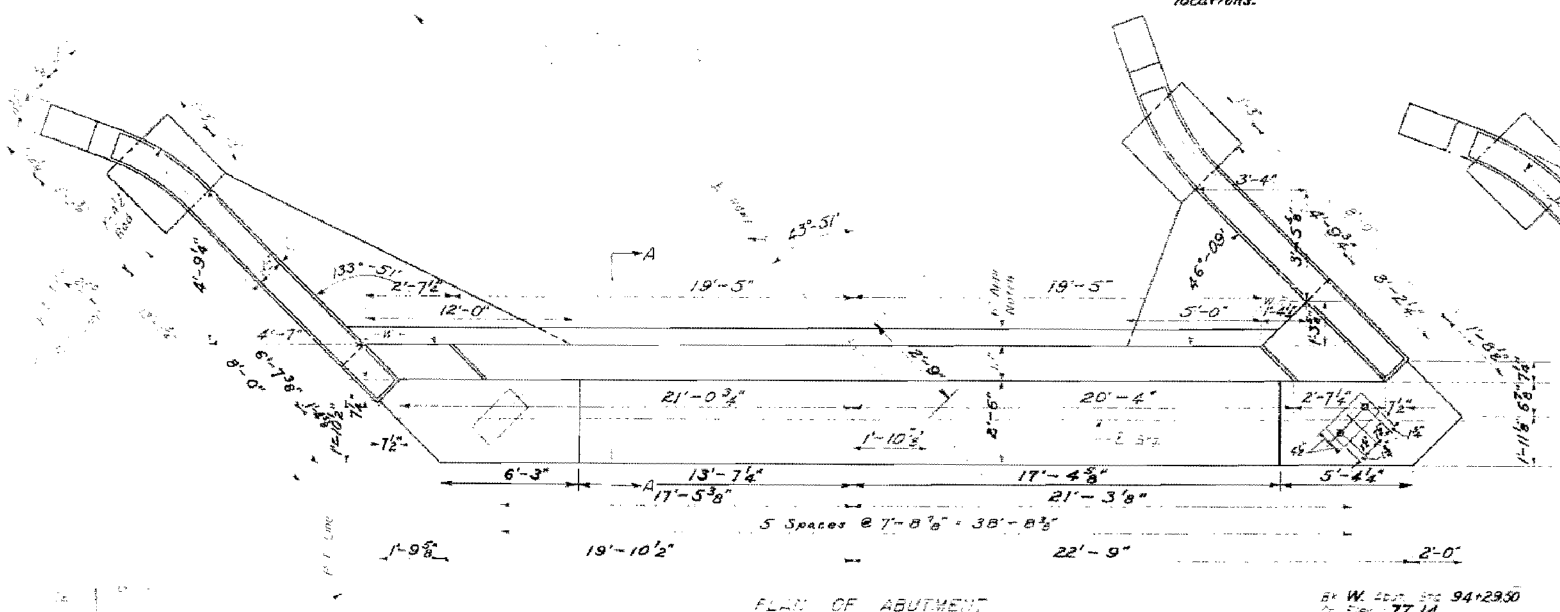
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	22
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		

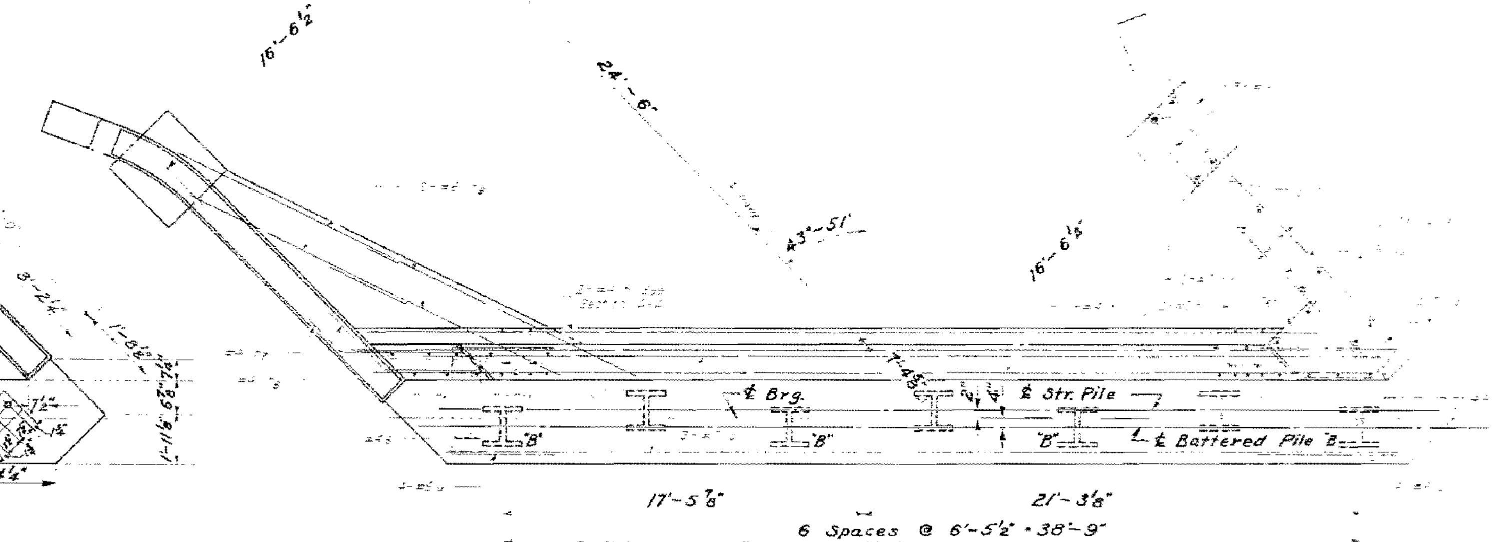




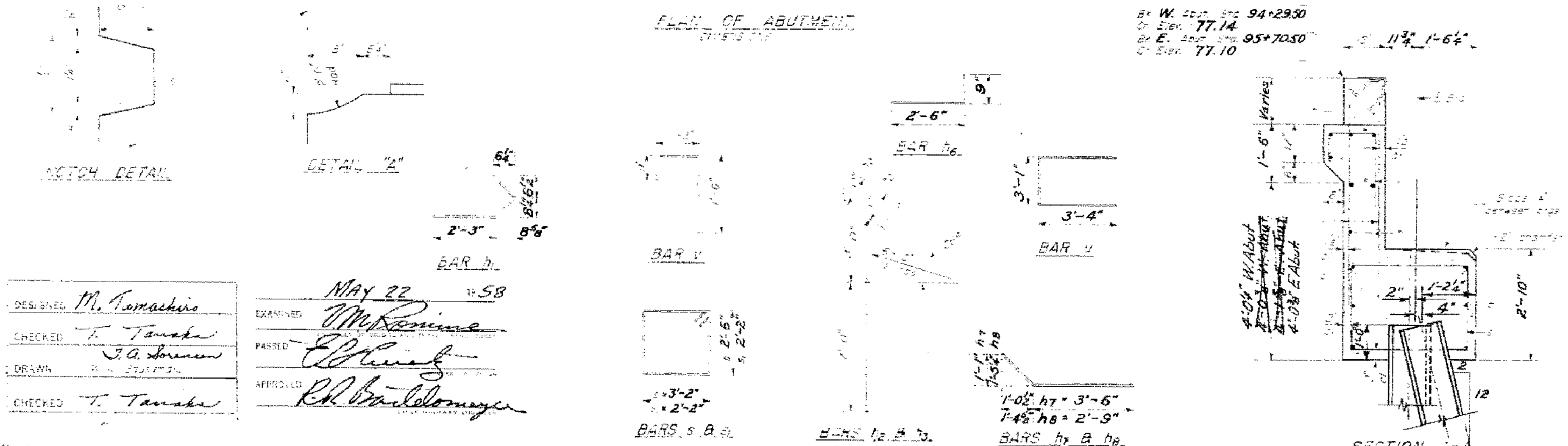
PILE DATA

Steel Piles (8" BP 36)
Est. Length = 28'-0" W. Abut.
Est. Length = 28'-0" E. Abut.
Capacity 24 Tons
No. Req'd. = 8 W. Abut. & 8 E. Abut.
2 Test Piles.
Test piles shall be driven @ the north end of the W. Abut. & south end of the E. Abut. in permanent locations.





Note: Piles marked "B" shall be battered 2 in 12



BILL OF MATERIAL – 2 ABUTMENTS

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
[illegible]	32	[illegible]	22'-9"			24	[illegible]	24'-0"	
	12	[illegible]	4'-0"			84	[illegible]	12'-1"	
						16	[illegible]	9'-9"	
	12	[illegible]	3'-3"						
	12	[illegible]	5'-0"			78			
	12	[illegible]	4'-9"			176		4'-9"	
			11'-0"						
			7'-3"						
			6'-0"						

Class X Concrete Cu. Yd. 79.4
Reinforcement Bars lbs. 4190 Test Piles (Steel) Each 2
Steel Piles (8 BP 36) Lin. Ft. 448

E.&W. ABUTMENT
BRIDGE OVER
MILLIKIN CREEK
S.B.I. RT. 7 – SEC. G-B1
LA SALLE COUNTY
STA. 95+00

DESIGNED M. Tamachiro
CHECKED T. Tanaka
J. A. Sorenson
DRAWN
CHECKED T. Tanaka
MAY 22 1958
DRAWN VMRonine
PASSED
APPROVED R.R. Baildomeyer

Revised Elev. top of Bridge seat & ht. of Abut. 12-8-58 M.T.

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STATE OF ILLINOIS
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SCALE: NTS | SHEET 4 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	23

CONTRACT NO. 66A58
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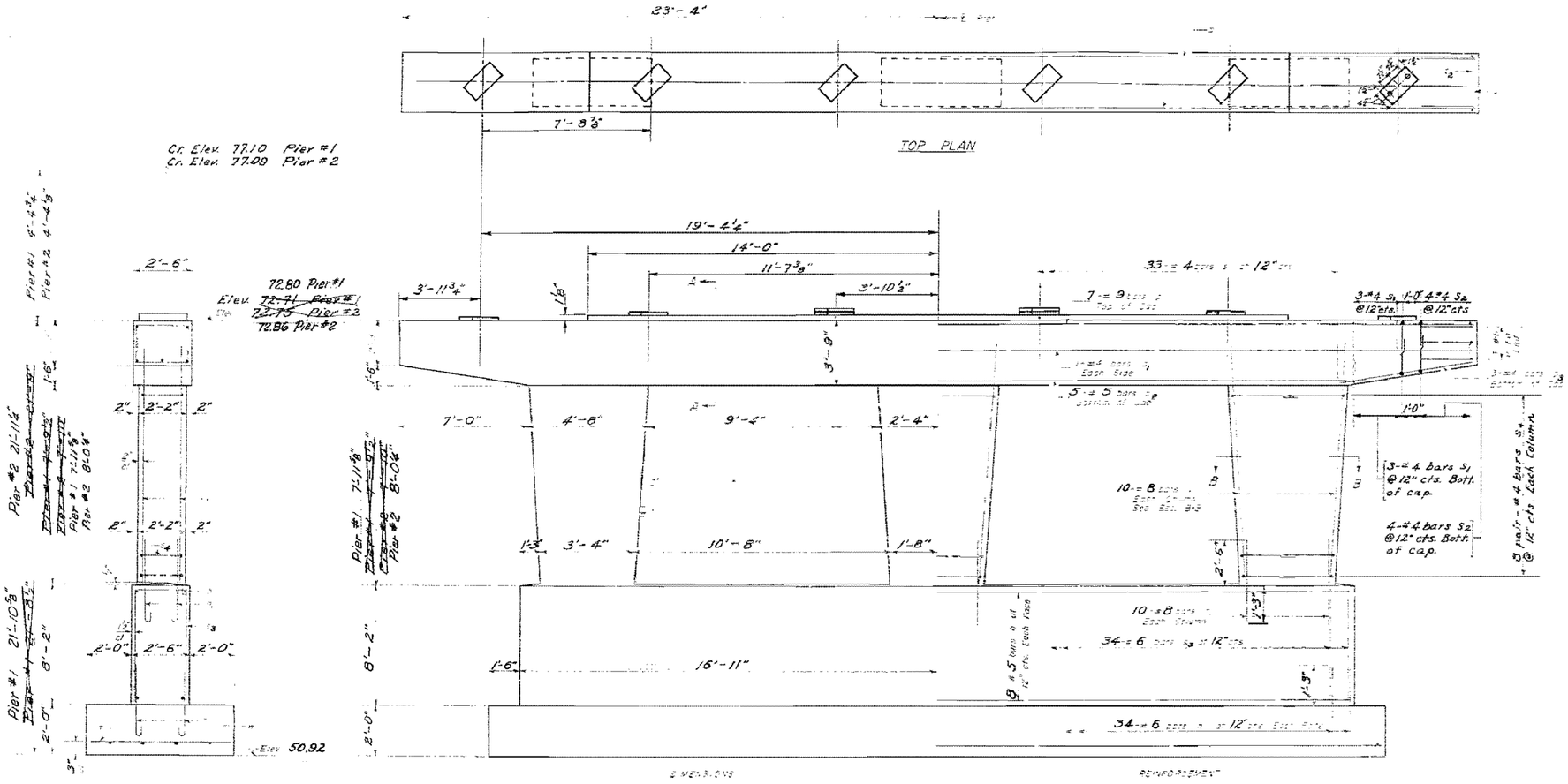
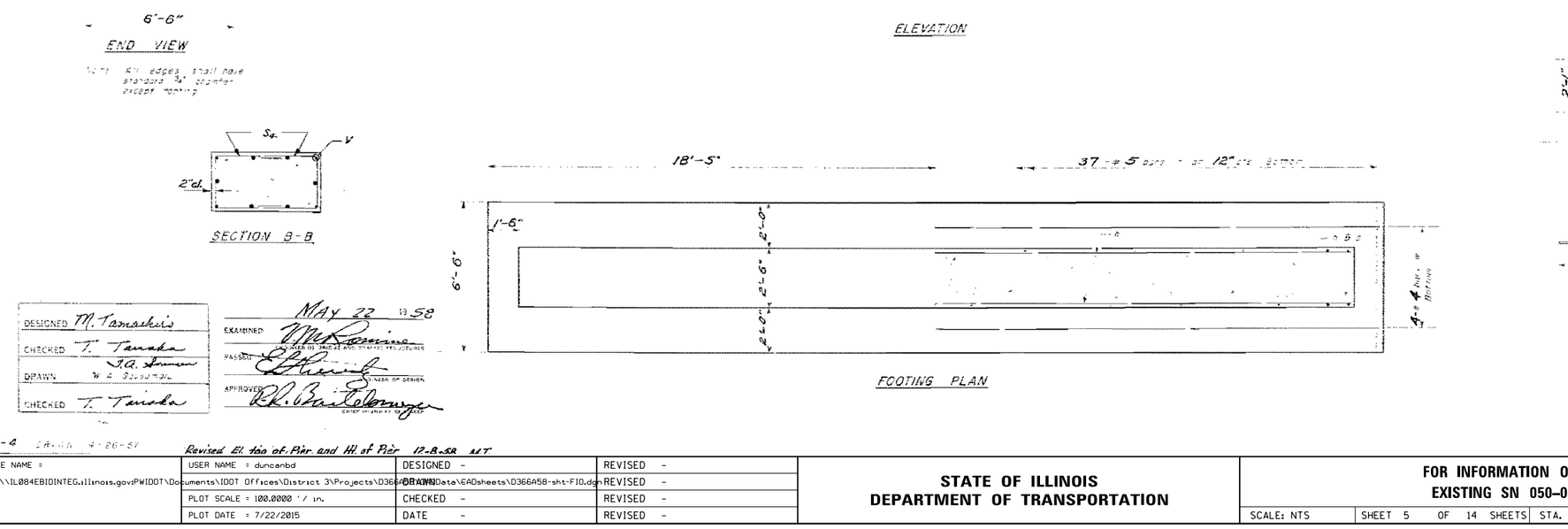
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAS 1335 GB-1 LASALLE 62 — SHEET 5 OF 8 SHEETS





DESIGNED	M. Tamashiro		
CHECKED	T. Tanaka		
DRAWN	W. A. Swanson		
CHECKED	T. Tanaka		

MAY 22 1958
EXAMINED
ENGINEER OF BRIDGES AND STRUCTURAL INSPECTIONS
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF ENGINEER AND DIRECTOR

SEP 162

	32	#5	33'-6"
	136	#6	3'-0"
	60	#8	4'-9"
	14	#9	46'-3"
	8	#4	24'-0"
	10	#5	32'-0"
P3	12	#4	7'-6"
	66	#4	11'-11"
	24	#6	7'-2"
	32	#4	6'-6"
S3	68	#5	18'-2"
S2	96	#4	7'-11"
	74	#4	6'-3"
	12	#5	8'-1"
	60	#8	9'-8"
	16	#4	12'-0"

	132.8
	37.2
Class B Excavation for Structure	Cu.Yd. 143
Class A Exca for Struct.	Cu.Yd. 37

PIER #1 & #2
S. B. I. RT. 7 - SEC. G-B1
LA SALLE COUNTY
STA. 95+00

P-4 EA-SA 4-26-57

Revised El. top of Pier and Ht. of Pier 12-8-58 MT

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\D366A58-sht-F10.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
		DRAWN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

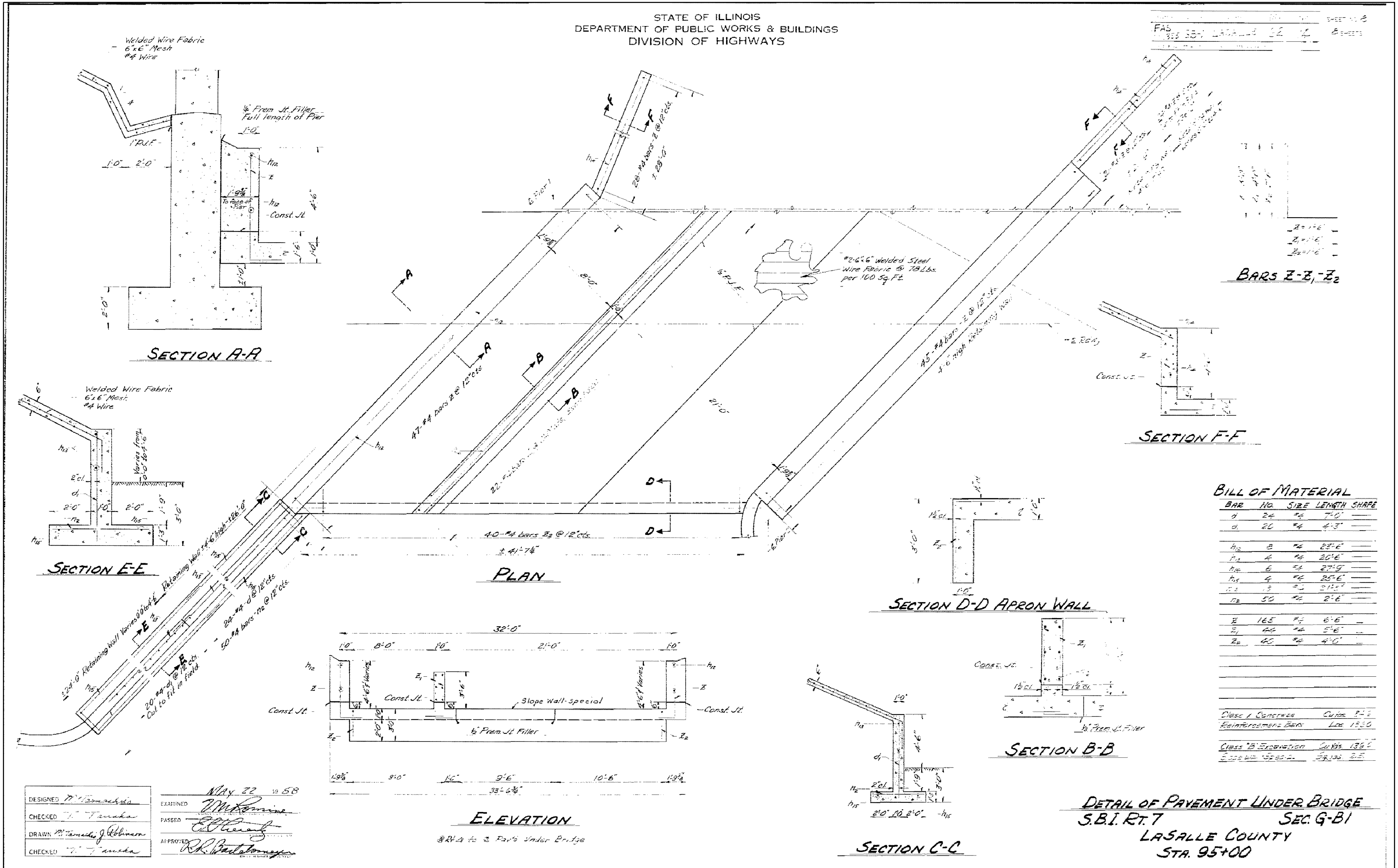
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

SCALE: NTS | SHEET 5 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	24
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
d	24	#4	7'-0"	—
d1	20	#4	4'-3"	—
h12	8	#4	23'-6"	—
h13	4	#4	20'-6"	—
h14	6	#4	27'-9"	—
h15	4	#4	25'-6"	—
[illegible]	13	#4	21'-3"	—
n2	50	#4	2'-6"	—
Z	165	#4	6'-6"	—
Z1	44	#4	5'-6"	—
Z2	40	#4	4'-0"	—

Class X Concrete	Cu. Yds.	[illegible]
Reinforcement Bars	Lbs.	1330
Class "B" Excavation	Cu. Yds.	135
Slope Wall Special	Sq. Yds.	25

DETAIL OF PAVEMENT UNDER BRIDGE
S.B.I. RT. 7 SEC. G-B1
LASALLE COUNTY
STA. 95+00

DESIGNED M. Tamaskis
CHECKED T. Tanaka
DRAWN M. Tamaskis J. Robinson
CHECKED T. Tanaka

MAY 22 1968
EXAMINED
PASSED
APPROVED

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\D366A58\CADData\CADsheets\D366A58-sht-F10.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN	REVISED -
	PLOT DATE = 7/22/2015	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

SCALE: NTS | SHEET 6 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	25

CONTRACT NO. 66A58
ILLINOIS FED. AID PROJECT

BM: #26 □ on SWK. over Bridge Abutment
15' Lt. Sta. 95+12 (NEW) = Sta. 95+84.24 ± (Exist)
Elev. 524.67
Existing Structure Built as SBI. Rt. 7 Sec. G-BI
at Sta. 95+00 in 1958

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.S. 1355	G-BY	LASALLE	140	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
8 SHEETS

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Field connections shall be bolted using high strength bolts. Bolts 3/4" ⌀, open holes 13/16" ⌀, unless otherwise noted.

Diaphragm connections may be adapted to shop welding subject to approval by the Engineer.

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before riveting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6"x 6" mesh, weighing 58# per 100 sq.ft.

Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.

Class A Excavation for structures includes excavation for slope wall.

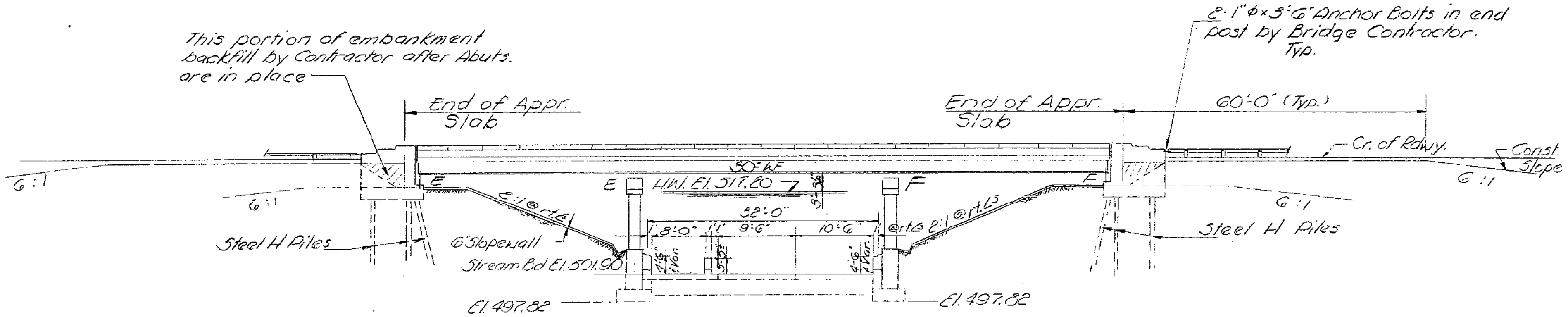
It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

The concrete rail section above the mandatory 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.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

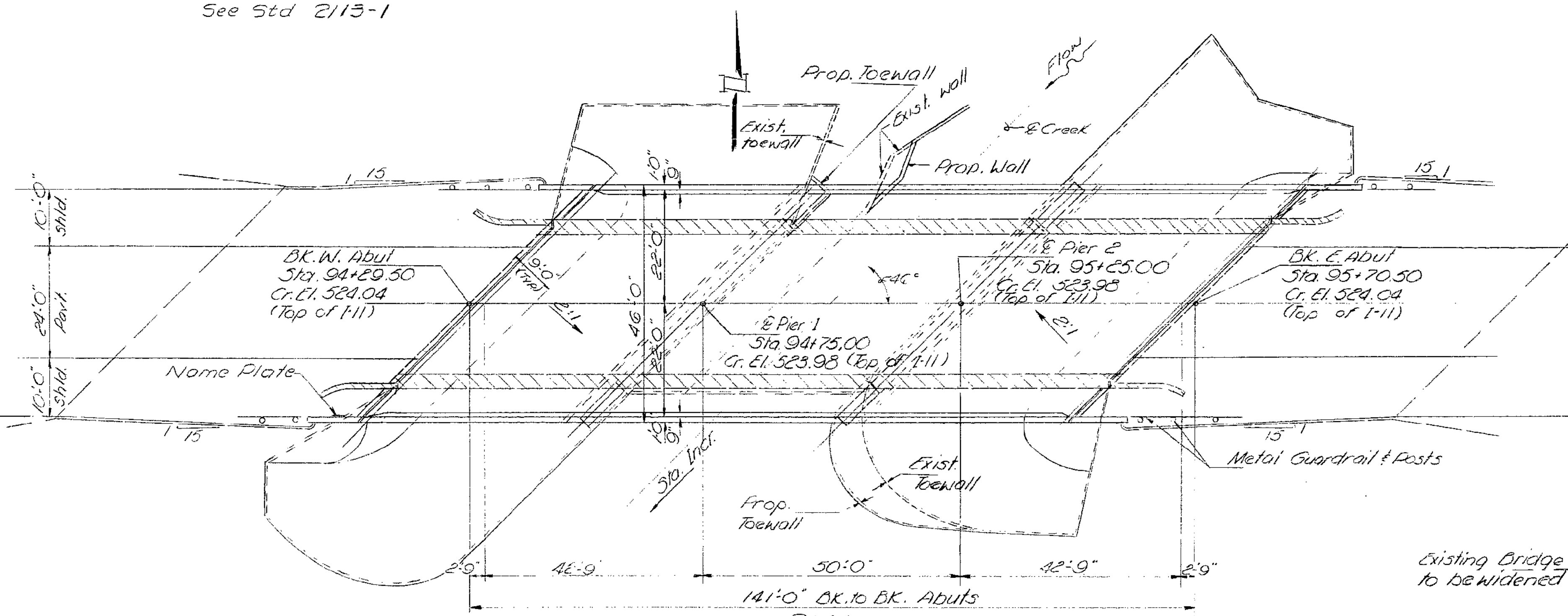
Except as otherwise provided, all new structural steel shall receive one shop coat of red lead paint and two field coats of Aluminum paint.



ELEVATION

STATION 94+27.76
BUILT 19 BY
STATE OF ILLINOIS
S.B.I. RTE. 7 SEC. G-BY
PROJ. S-1355(101)
LOADING HS20

NAME PLATE
See Std 2113-1



PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Concrete Removal	Cu. Yds.	43.5	98	53.5
Bit. Concr. Surf. Cse. Class I	Tons	21		21
Coal Tar Interlayer Prot. Coat	Sq. Yds.	254		254
Expansion Bolts (7/8"⌀)	Each		72	72
Bridge Handrail Removal	Lin. Ft.	276		276
Class A Excav. for Structs.	Cu. Yds.		105	105
Class B Excav. for Structs.	Cu. Yds.		82	82
Protective Coat	Sq. Yds.	119		119
Class X Concrete	Cu. Yds.	93.1	163.9	257.0
* Structural Steel	L. Sum	0.9		0.9
Aluminum Railing	Lin. Ft.	276		276
Reinforcement Bars	Lbs.	22,070	9310	31,380
Steel Piles (8BP36)	Lin. Ft.		196	196
Name Plates	Each		1	1
Slope Wall (6")	Sq. Yds.		40	40
Test Piles (8BP36)	Each		1	1

* Calculated weight of Structural Steel = 35,930 #

DESIGNED James Hamilton
CHECKED Harpal Singh
DRAWN F. Mercado
CHECKED H.S.

August 5 1969
EXAMINED — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED W. E. Baumann — ENGINEER OF DESIGN
APPROVED Richard H. Golterman — CHIEF HIGHWAY ENGINEER

WATERWAY INFORMATION

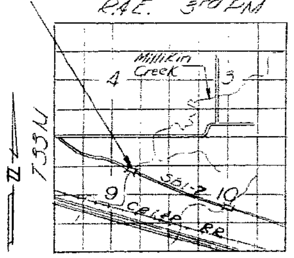
Drainage Area	1,790 Acres
Character	Hilly, Wooded
Required Opening (50yr. fl.)	250 sq.ft.
Present Opening	688 sq.ft.
Proposed Opening	688 sq.ft.
Ordinary Water El.	501.90
Low Water El.	501.90

DESIGN STRESSES

fc = 1,000 psi (Contact with Earth)
fc = 1,200 psi (Deck Slab)
fc = 1,400 psi (Curb, Parapet, Sub)
fs = 20,000 psi (Reinf.)
fs = 20,000 psi (Struct.)
Vc = 75 psi (Ftgs.)
n = 10
Allowable ℄ Deflection L/1000

LOADING HS 20-44

Existing Bridge to be widened



LOCATION SKETCH

GENERAL PLAN & ELEVATION
SBI. RT. 7 OVER MILLIKIN CREEK
SBI. RT. 7 SECTION G-BY
LA SALLE COUNTY PROJ. S-1355(101)
STATION 95+00 (Exist.)
STATION 94+27.76 (Prop. Imp.)

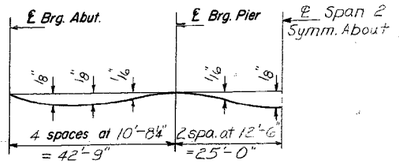
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FOR INFORMATION ONLY EXISTING SN 050-0108
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\D366A58\CADData\EADsheets\D366A58-sht-FIO.dgn	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -		
	PLOT DATE = 7/22/2015	CHECKED -	REVISED -		
		DATE -	REVISED -		SCALE: NTS SHEET 7 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	26
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. RT. 7	G-BY	LASALLE	140	41
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

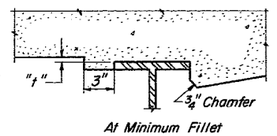
SHEET NO. 2
2 SHEETS



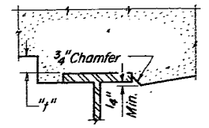
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



At Minimum Fillet



At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

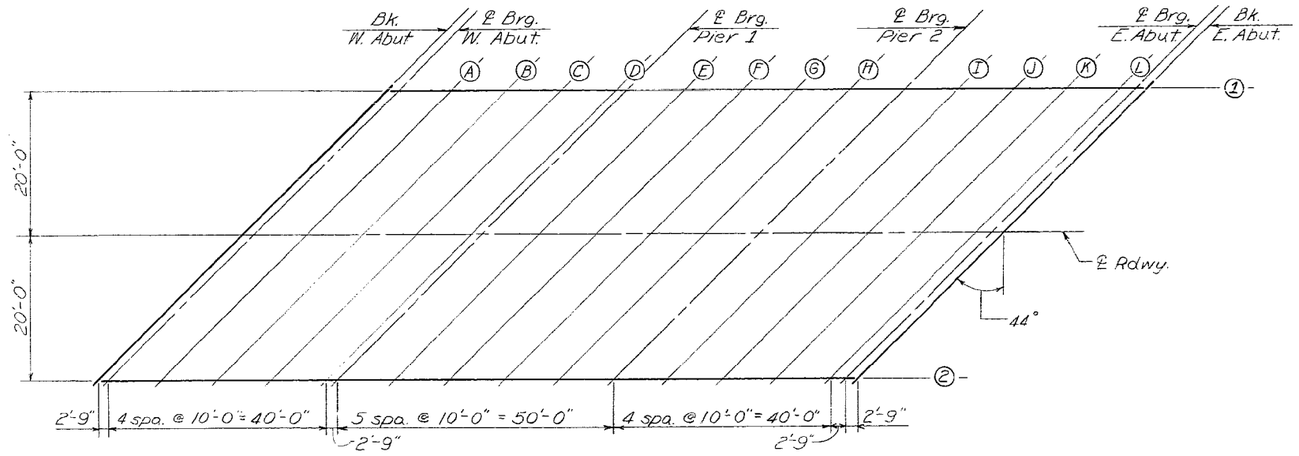
FILLET HEIGHTS

Beam 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	9448.814	-20.000	523.749	523.749
℄ Brg. W. Abut	9451.564	-20.000	523.747	523.747
A	9461.564	-20.000	523.739	523.749
B	9471.564	-20.000	523.733	523.743
C	9481.564	-20.000	523.728	523.734
D	9491.564	-20.000	523.723	523.725
℄ Brg. Pier 1	9494.314	-20.000	523.722	523.722
E	9504.314	-20.000	523.719	523.723
F	9514.314	-20.000	523.717	523.726
G	9524.314	-20.000	523.716	523.725
H	9534.314	-20.000	523.717	523.721
℄ Brg. Pier 2	9544.314	-20.000	523.718	523.718
I	9554.314	-20.000	523.720	523.725
J	9564.314	-20.000	523.724	523.733
K	9574.314	-20.000	523.728	523.738
L	9584.314	-20.000	523.733	523.736
℄ Brg. E. Abut	9587.064	-20.000	523.735	523.735
Bk. E. Abut	9589.814	-20.000	523.737	523.737

Beam 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	9410.186	20.000	523.789	523.789
℄ Brg. W. Abut	9412.936	20.000	523.786	523.786
A	9422.936	20.000	523.774	523.784
B	9432.936	20.000	523.764	523.774
C	9442.936	20.000	523.754	523.760
D	9452.936	20.000	523.746	523.747
℄ Brg. Pier 1	9455.686	20.000	523.744	523.744
E	9465.686	20.000	523.737	523.741
F	9475.686	20.000	523.731	523.739
G	9485.686	20.000	523.726	523.734
H	9495.686	20.000	523.722	523.726
℄ Brg. Pier 2	9505.686	20.000	523.719	523.719
I	9515.686	20.000	523.717	523.722
J	9525.686	20.000	523.716	523.726
K	9535.686	20.000	523.717	523.727
L	9545.686	20.000	523.718	523.721
℄ Brg. E. Abut	9548.436	20.000	523.719	523.719
Bk E. Abut	9551.186	20.000	523.719	523.719



PLAN

DESIGNED	James Hamilton
CHECKED	Harbol Singh
DRAWN	C. E. Wilkins
CHECKED	H.S.

E-S 8-1-65

EXAMINED Aug. 5 1965
ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES

PASSED W. S. Baumann
ENGINEER OF DESIGN

APPROVED Richard H. Gutterman
CHIEF HIGHWAY ENGINEER

TOP OF SLAB ELEVATIONS
S.B.I. RT. 7 SEC. G-BY
LA SALLE COUNTY
STA. 95+00 (EXIST.)
STA. 94+27.76 (PROP. IMP.)

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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

SCALE: NTS | SHEET 8 OF 14 SHEETS | STA. | TO STA.

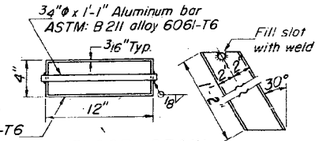
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	27
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A.S. 1365	G-BY	LASALLE	140	4½
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 3
8 SHEETS

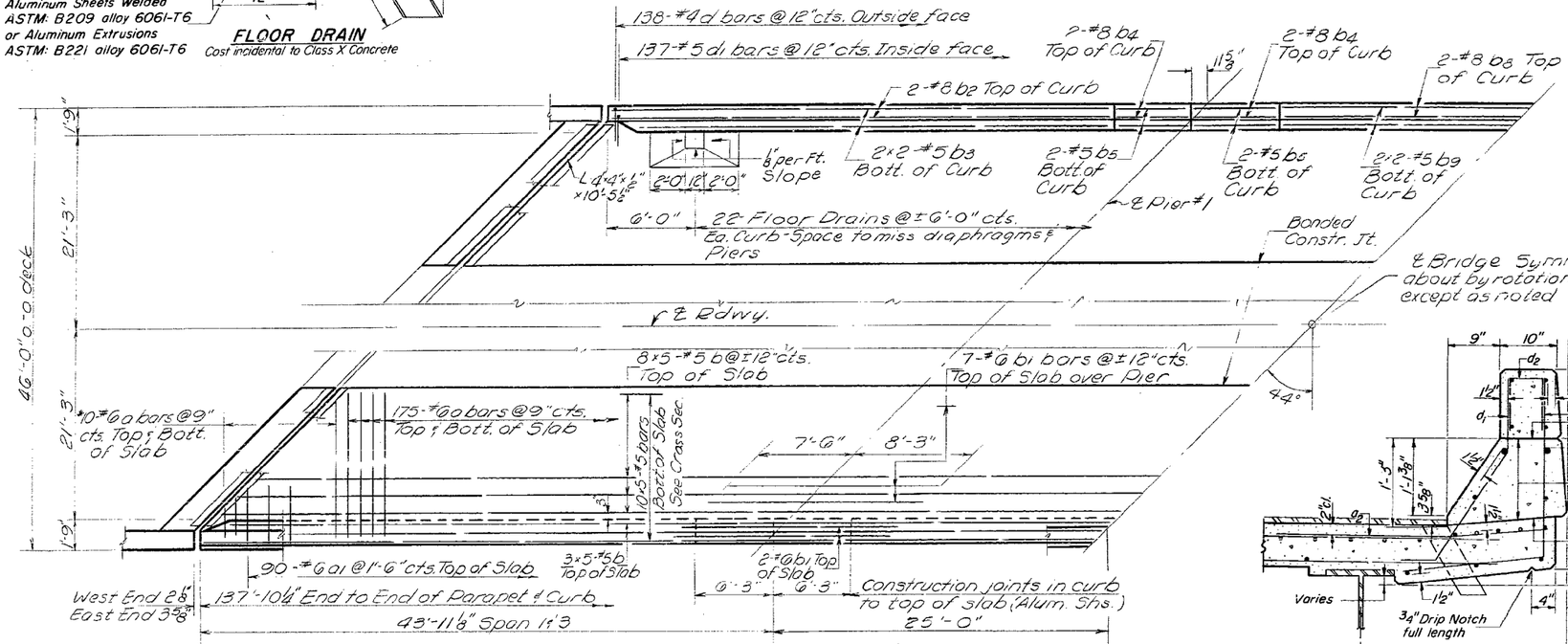
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Note: Bars indicated thus 10-5-#5 etc. indicates 10 lines of bars with 5 lengths per line. Min. bar lap = 24 dia.



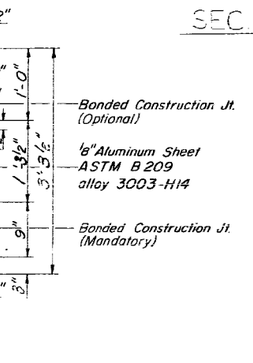
Aluminum Sheets Welded
ASTM: B209 alloy 6061-T6
or Aluminum Extrusions
ASTM: B221 alloy 6061-T6

FLOOR DRAIN
Cost incidental to Class X Concrete



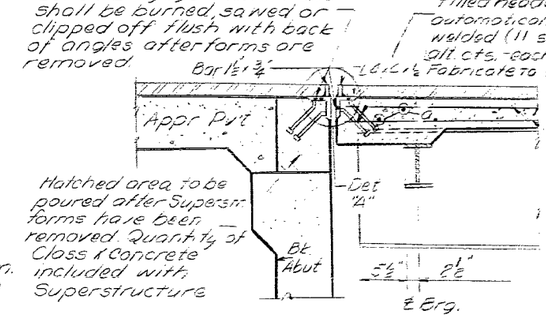
* Order a bars full length cut to fit skew and use remainder of bars in opposite end of Span

HALF PLAN

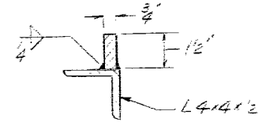


CURB SECTION

Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete



SEC. THRU ABUT.



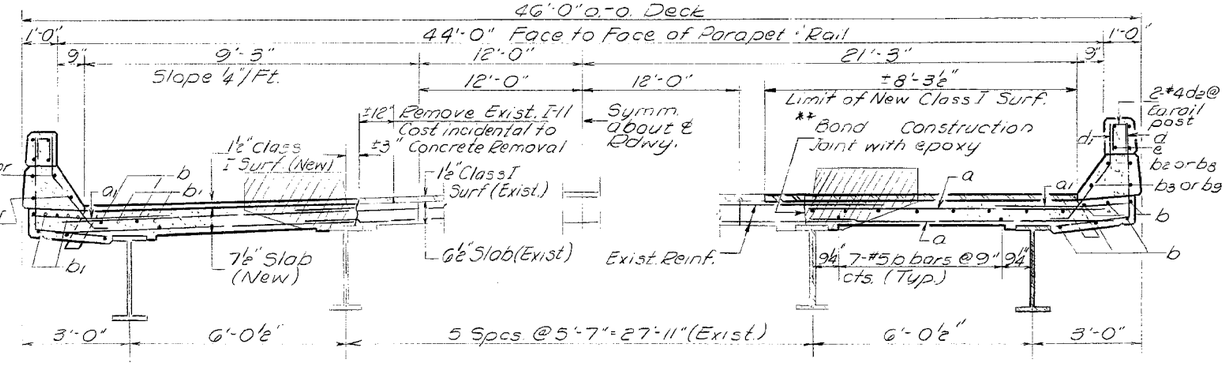
DETAIL "A"

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	740	#6	8'-3"	—
a1	180	#6	4'-0"	—
b	210	#5	28'-3"	—
b1	36	#6	15'-3"	—
b2	8	#8	37'-5"	—
b3	16	#5	19'-6"	—
b4	16	#5	6'-0"	—
b5	16	#5	6'-0"	—
b8	4	#8	37'-3"	—
b9	3	#5	19'-3"	—
d	276	#4	4'-6"	⌐
d1	274	#5	3'-5"	⌐
Reinforcement Bars		Lbs.	21250	
Class X Concrete		Cu Yds	342	
Structural Steel		Lbs.	35850	
Concrete Removal		Cu Yds	425	

Parapet Reinforcement and Class X Concrete are billed on sheet # 4

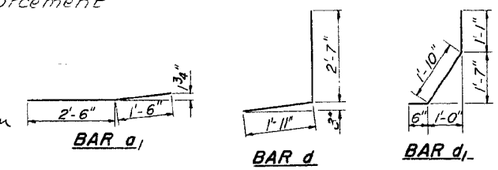
** In accordance with Art. 504.13 (b) (3)

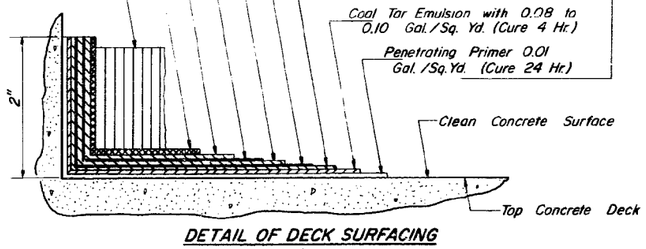


CROSS SECTION

NEAR PIER — NEAR MIDSPAN

Note: Hatched area to be removed
Clean & straighten existing transverse reinforcement





DETAIL OF DECK SURFACING

DESIGNED	James Hamilton
CHECKED	Harper Swigh
DRAWN	F. Mercado
CHECKED	H. S.

EXAMINED Aug. 5 1965
ENGINEER OF TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED Richard H. Holtzman
CHIEF HIGHWAY ENGINEER

SUPERSTRUCTURE
SBI RTE 7 SEC. G-BY
LA SALLE COUNTY
STA. 95+00 (EXIST.)
STA. 94+27.76 (PROP. IMP.)

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		DRAWN	REVISED -
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STATE OF ILLINOIS
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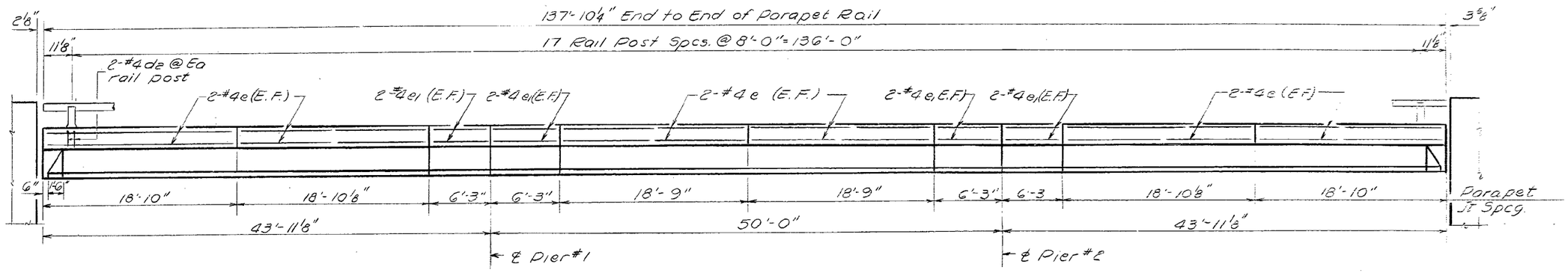
SCALE: NTS | SHEET 9 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	28
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

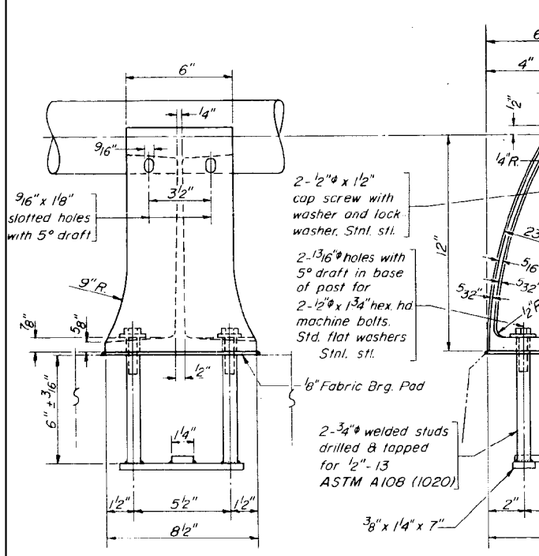
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S.1355	G-BY	LASALLE	140	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

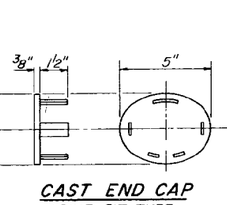
SHEET NO. 4
8 SHEETS



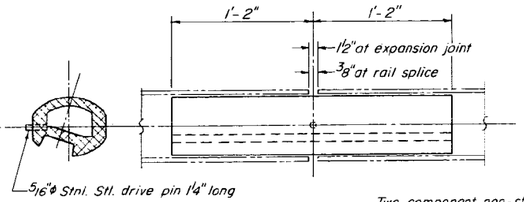
ELEVATION
Inside View



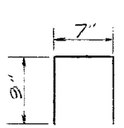
RAIL POST DETAILS



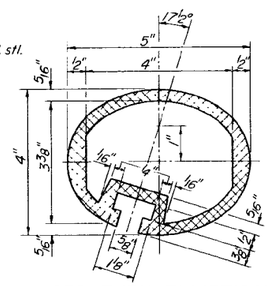
CAST END CAP
DRIVE FIT TYPE
4 Required



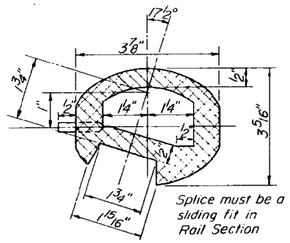
RAIL SPLICE



Bar d2

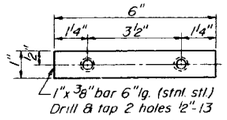


SEC. THRU ELLIPTICAL RAIL SECTION



Splice must be a sliding fit in Rail Section

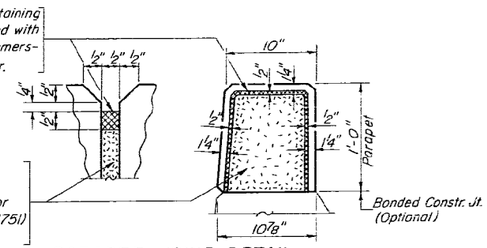
SEC. THRU SPLICE



CLAMP BAR

Two component non-staining gray sealing compound with polysulfide liquid polymers-gun grade with primer.

½" Preformed Cork Asphalt Joint Filler. (meets qualifications for ASTM: Designation D 1751) Cost incidental.



PARAPET JOINT DETAIL

NOTES:

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

All joints in rail shall be spliced per detail.

Provide 1 – ⅛" and 2 – 1/16" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade – high spots shall be ground and low spots shimmed.

Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers, gun grade with primer. Fabric Bearing Pad shall have same dimensions as base of post.

PARAPETS & RAILS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e	25	#4	18'-6"	
e1	32	#4	6'-0"	
d2	72	#4	2'-1"	
Reinforcement Bars			Lbs.	820
Class X Concrete			Cu Yds.	3.3
Aluminum Railing			Lin. Ft.	276

ALUMINUM RAILING

S.B.I. RTE. 7 SEC. G-BY
LA SALLE COUNTY
STA. 95+00 (EXIST.)
STA. 94+27.76 (PROP. MP)

DESIGNED	James Hamilton / Harpal Singh
CHECKED	
DRAWN	F. Mercado
CHECKED	M.S.

EXAMINED Aug. 5 1969
PASSED
APPROVED

R-17 4-22-68

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 3\Projects\D366A58-sht-F10.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	DRAWN	REVISED -
	PLOT DATE = 7/22/2015	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

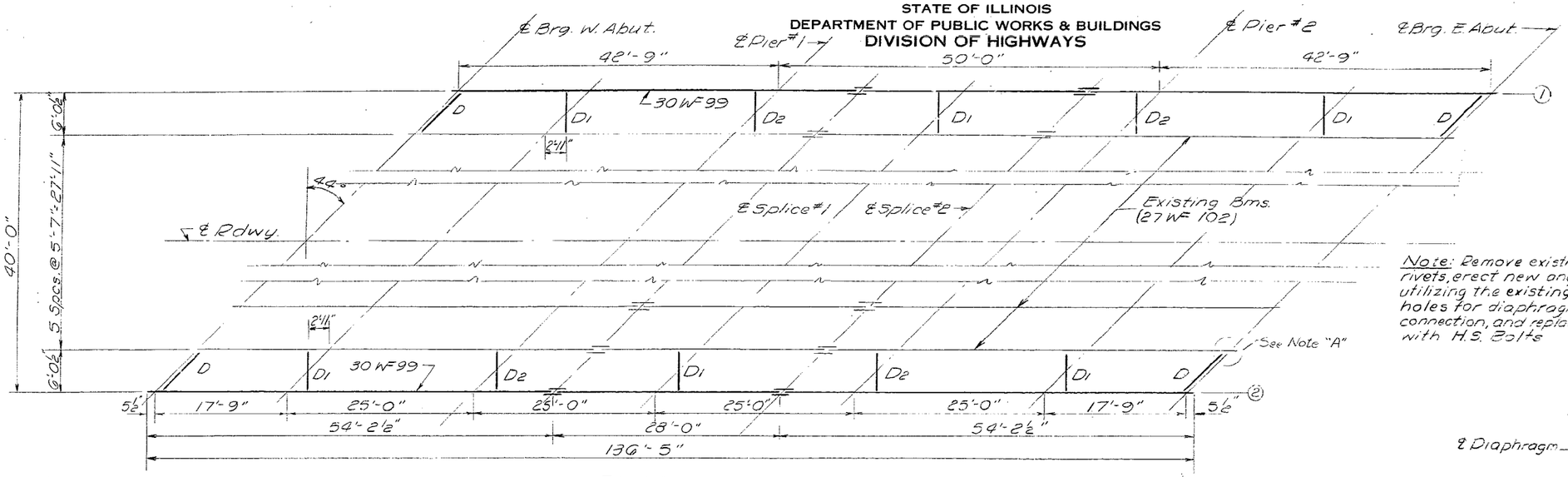
SCALE: NTS | SHEET 10 OF 14 SHEETS | STA. | TO STA.

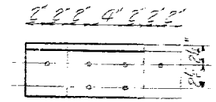
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	29
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

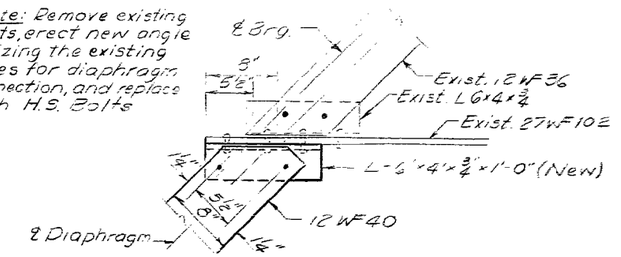
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.S.1355	G-BY	LASALLE	140	44
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 5
8 SHEETS

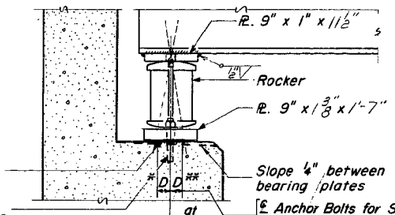




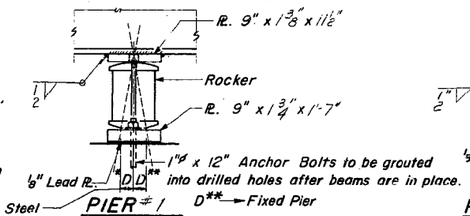
Note: Remove existing rivets, erect new angle utilizing the existing holes for diaphragm connection, and replace with H.S. Bolts



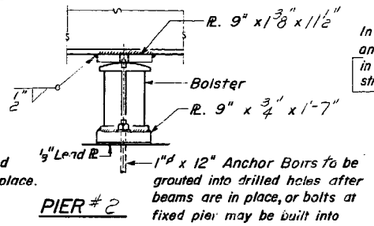
PLAN
STRUCTURAL STEEL



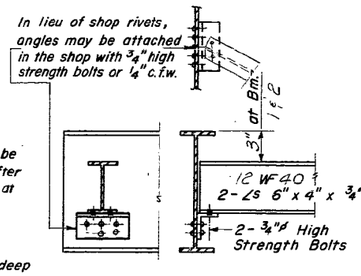
SECTION AT ABUTMENT



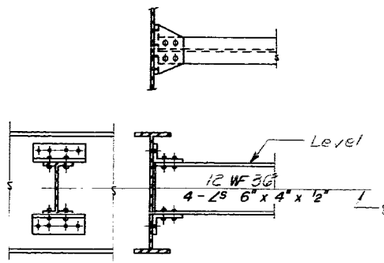
PIER #1



PIER #2

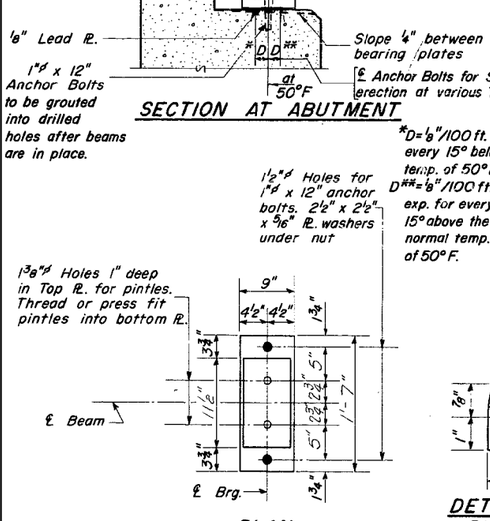


DIAPHRAGM D
4 Required

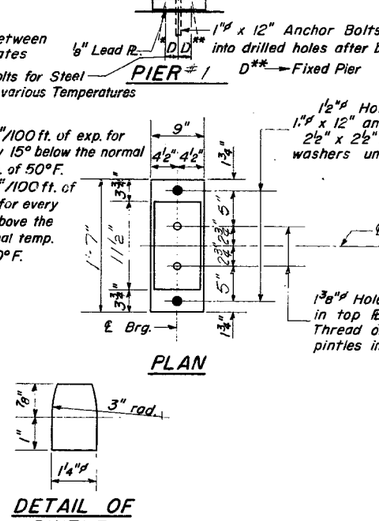


DIAPHRAGM D, E & D2
10 Required

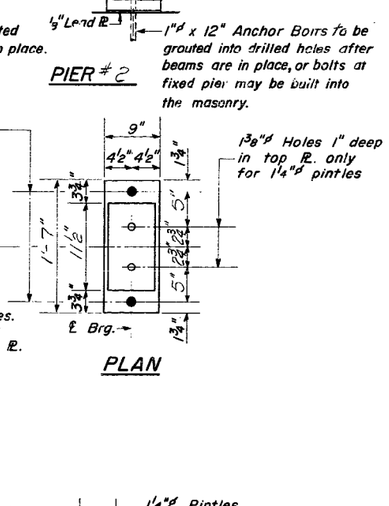
PLAN OF DIAPHRAM D



PLAN

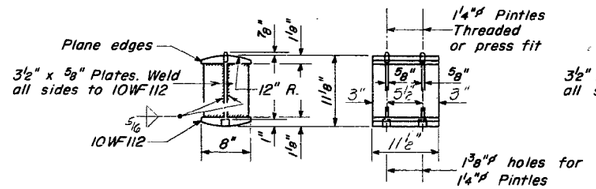


PLAN

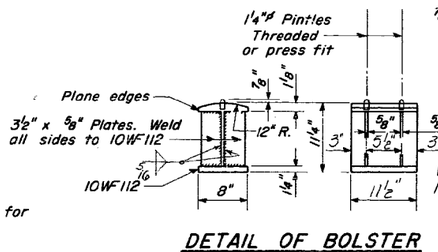


PLAN

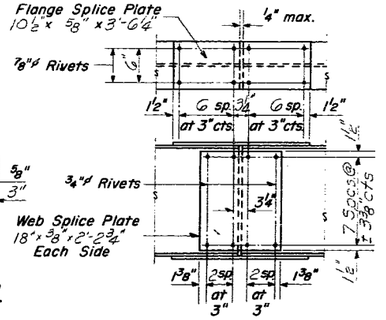
DETAIL OF PINTLE



DETAIL OF ROCKER AT PIER #1 & ABUT



DETAIL OF BOLSTER AT PIER # 2



DETAIL OF SPLICE

DESIGNED	James Hamilton		
CHECKED	Harbel Singh		
P.G. Barnett DRAWN	F.M. W.A. Sausoman Jr.		
CHECKED	M.S.		

EXAMINED — DIRECTOR OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER
AUG 5 1963

STRUCTURAL STEEL
S.B.I. RTE. 7 SEC. G-BY
LA SALLE COUNTY
STA. 95+00 (EXIST.)
STA. 94+27.76 (PROP. IMP.)

I-2 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

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		DRAWN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

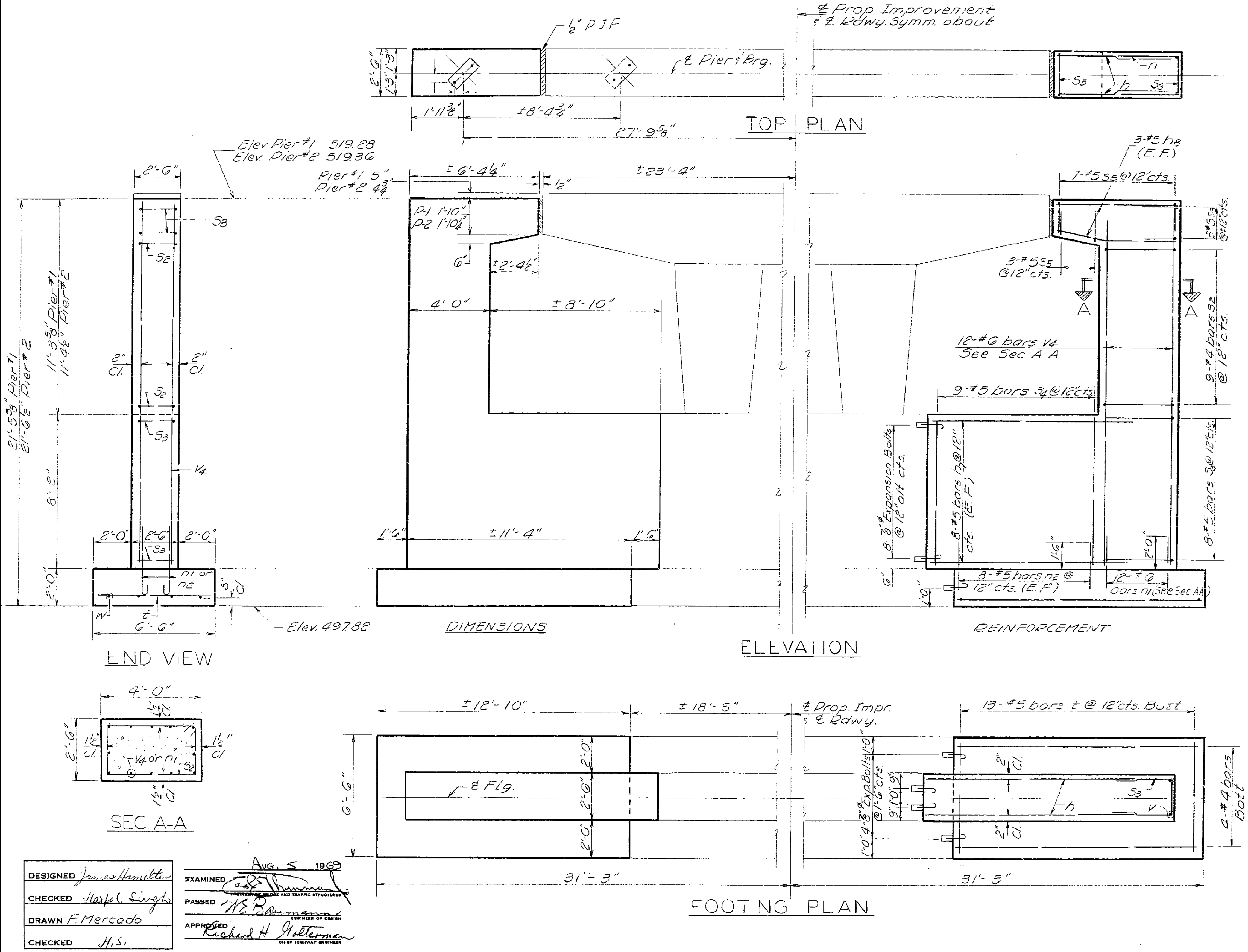
SCALE: NTS | SHEET 11 OF 14 SHEETS | STA. | TO STA.

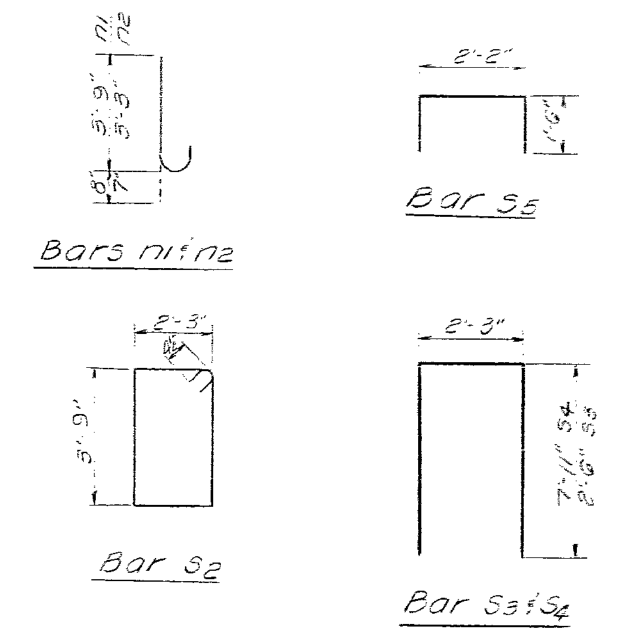
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	30
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.S. 1335	G-BY	LASALLE	140	42

SHEET NO. 6
8 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS





TWO PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h7	64	#5	12'-0"	—
h6	24	#5	6'-0"	—
n1	48	#6	4'-5"	⊏
n2	64	#5	3'-10"	⊏
S2	33	#4	12'-9"	
S3	44	#5	7'-3"	
S4	36	#5	18'-1"	
S5	40	#5	5'-2"	
t	52	#5	6'-3"	—
V4	43	#6	19'-0"	—
w	16	#4	12'-6"	—
Class X Concrete			Cu. Yd's	322
Reinforcement Bars			Lbs	4900
Expansion Bolts (3/4")			Ea.	48

Expansion bolts shall consist of selfdriving expansion shells with 3/4" hook bolts.
Hook bolts shall extend 9" into new concrete.

PIERS #1 & 2
S.B.I. RTE. 7 SEC. G-BY
LA SALLE COUNTY
STA. 95-00 (EXIST.)
STA. 94+27.76 (PROP. IMP.)

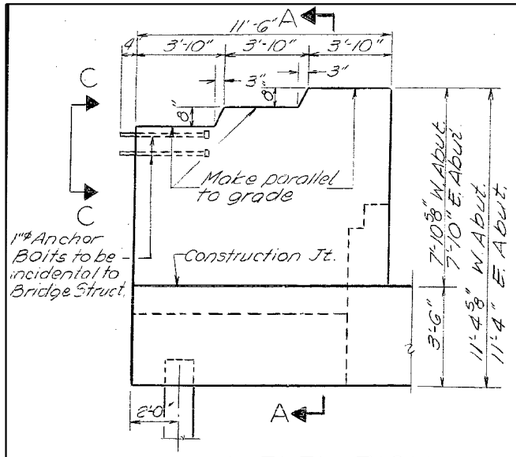
DESIGNED	James Hamilton
CHECKED	Harpal Singh
DRAWN	F. Mercado
CHECKED	H.S.

EXAMINED Aug. 5 1969 — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED W. E. Baumann — ENGINEER OF DESIGN
APPROVED Richard H. Golterman — CHIEF HIGHWAY ENGINEER

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S.-1358	G-BY	LASALLE	140	48
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

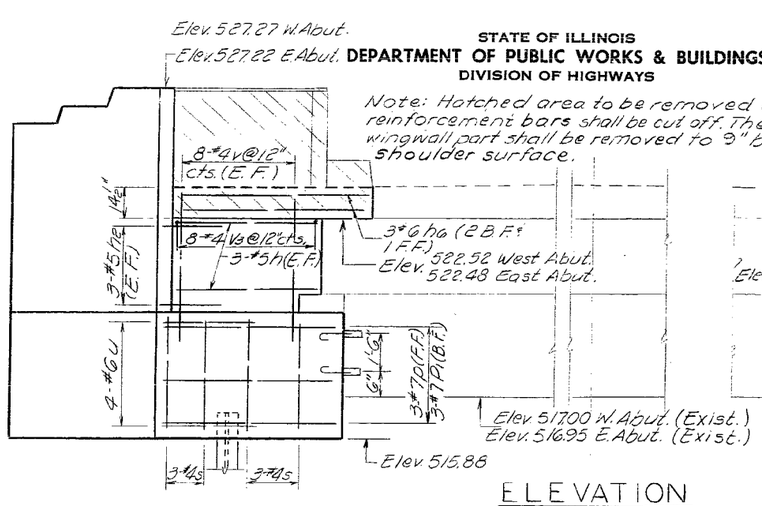
SHEET NO. 7
S SHEETS

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

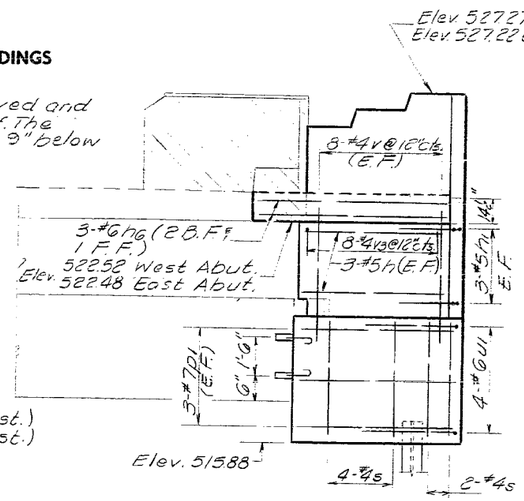


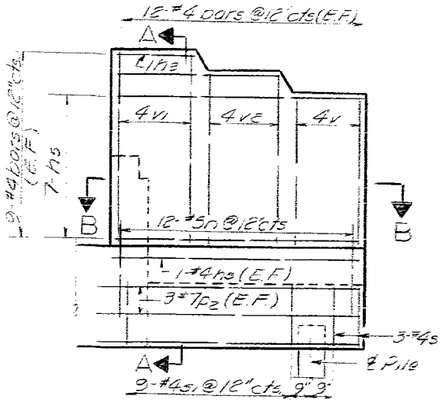
WING WALL ELEVATION

Note:
Double cross hatched area to be poured after form of superstructure has been removed.

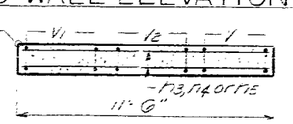


ELEVATION

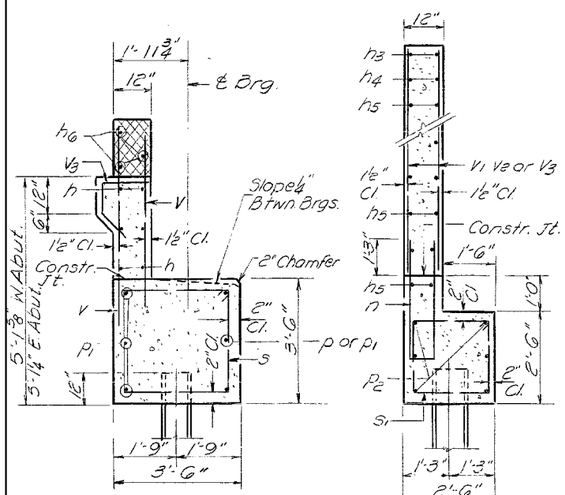




WING WALL ELEVATION

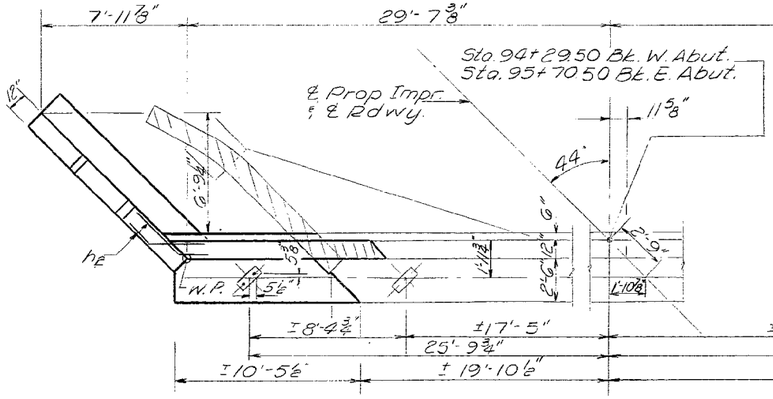


SEC. B-B

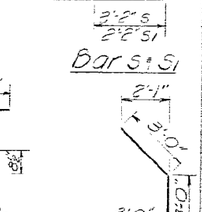


SEC THRU ABUT.

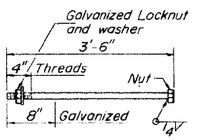
SEC. A-A



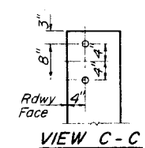
TOP VIEW
EAST ABUTMENT LOOKING EAST
WEST ABUTMENT LOOKING WEST

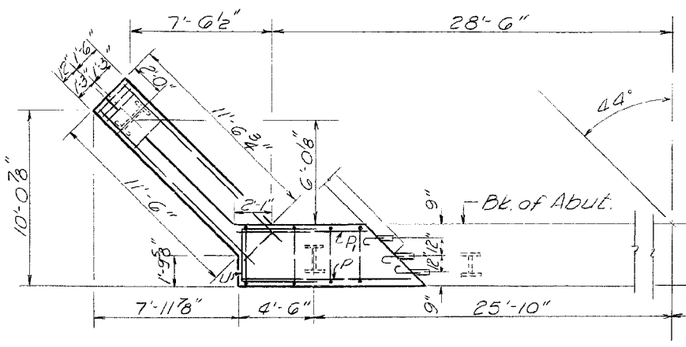


BILL OF MATERIAL (2-bar)			
Bar	No.	Size	Length, Shape
h1	24	#5	7'-0"
n1	12	#5	3'-0"
h2	12	#5	4'-0"
h3	8	#4	3'-6"
h4	8	#4	7'-6"
h5	64	#4	11'-5"
h6	12	#6	10'-6"
n	48	#5	7'-9"
p	6	#7	9'-6"
p1	18	#7	7'-0"
p2	24	#7	11'-3"
s	24	#4	13'-5"
s1	48	#4	9'-5"
u	8	#6	13'-1"
u1	8	#6	9'-0"
v	36	#4	9'-3"
v1	32	#4	7'-6"
v2	32	#4	6'-3"
v3	32	#4	3'-3"
Class X Concrete		Cu yds	41.7
Reinforcement Bars		Lbs	3300
Expansion Joints (2")		Each	24
Steel Piles (HP 36)		Lin. Ft.	196
Concrete Removal		Cu Yds	9.5



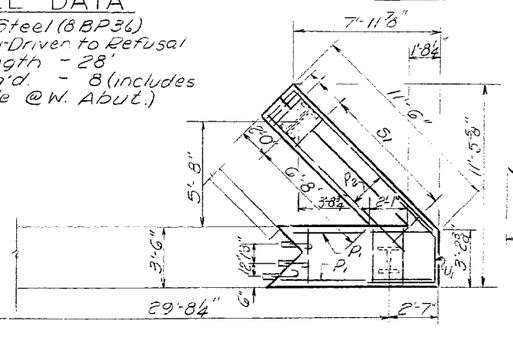
1"ø ANCHOR BOLT
(Cost Incidental to Bridge Structure)





PLAN PILE CAP

PILE DATA
Type - Steel (8 BP 36)
Capacity-Driven to Refusal
Est. Length - 28'
No. Req'd. - 8 (includes 1 test pile @ W. Abut.)



DESIGNED	James Hamilton
CHECKED	Harpal Singh
DRAWN	F. Mercado
CHECKED	H. S.

EXAMINED Aug. 5 1969
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED M. E. Baumann
ENGINEER OF DESIGN
APPROVED Richard A. Gootee
CHIEF HIGHWAY ENGINEER

ABUTMENTS
SBI RTE. 7 SEC. G-BY
LA SALLE COUNTY
STA 95+00 (EXIST)
STA 95+27.76 (PROP IMP)

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 050-0108

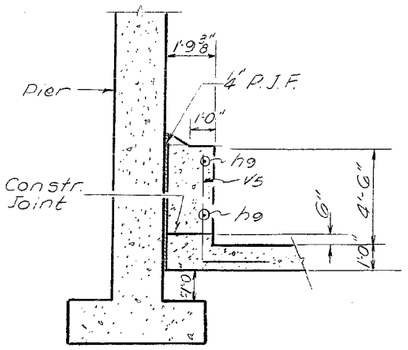
SCALE: NTS | SHEET 13 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	32
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

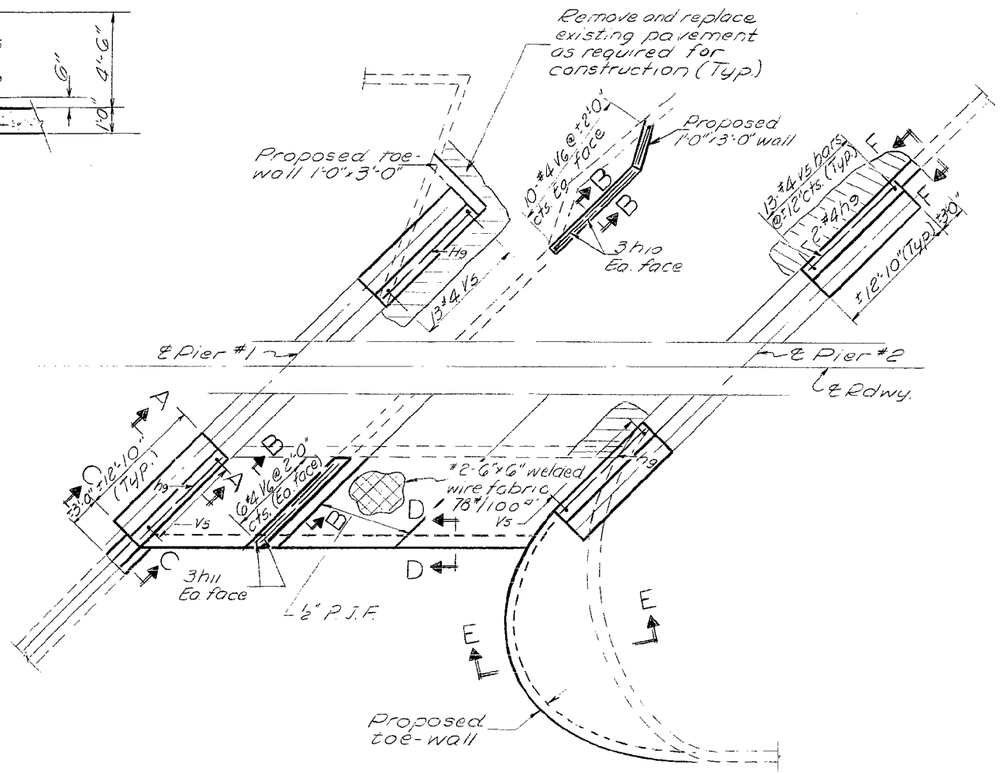
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A.-S.-1355	G-BY	LASALLE	140	47
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
5 SHEETS

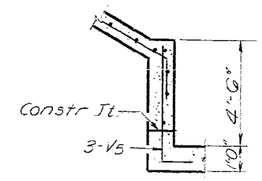


SEC. A-A

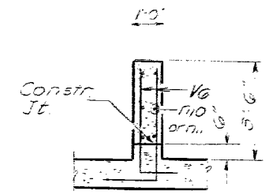


SLOPEWALL REPAIRS

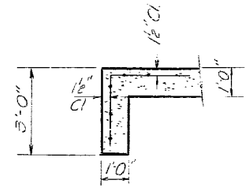
Note:
If existing slopewall is damaged during construction it shall be repaired. Cost to be incidental.



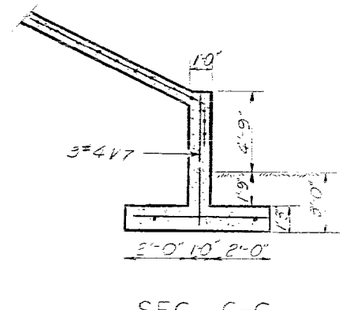
SEC F-F



SEC. B-B



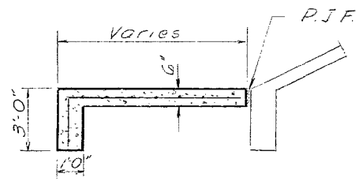
SEC. D-D



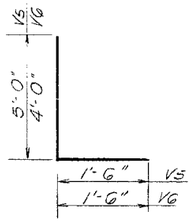
SEC. C-C

BILL OF MATERIAL

Bars	No.	Size	Length	Shape
h9	5	#6	12'-3"	—
h10	3	#4	20'-3"	—
h11	6	#4	13'-3"	—
V5	55	#6	3'-3"	L
V6	16	#6	5'-6"	L
L7	2	#6	7'-3"	—
Class A Concrete			30 Yds	60
Reinforcement Bars			Lbs.	510



SEC. E-E
(Quantity included with slopewall)



Bars V5 & V6

DESIGNED	James Hamilton
CHECKED	Hasbel Singh
DRAWN	F. Mercado
CHECKED	H.S.

EXAMINED Aug. 5 1969 — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED W. E. Bamman — ENGINEER OF DESIGN
APPROVED Richard H. Gaberman — CHIEF HIGHWAY ENGINEER

SLOPEWALL REPAIRS
S.B.I. RTE. 7 SEC G-BY
LA SALLE COUNTY
STA. 95+00 (EXIST)
STA. 94+27.76 (PROJ. MF)

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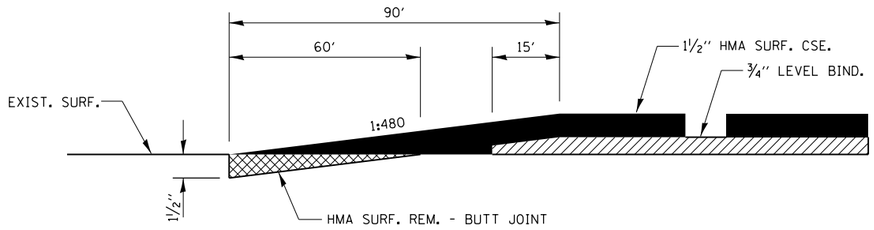
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

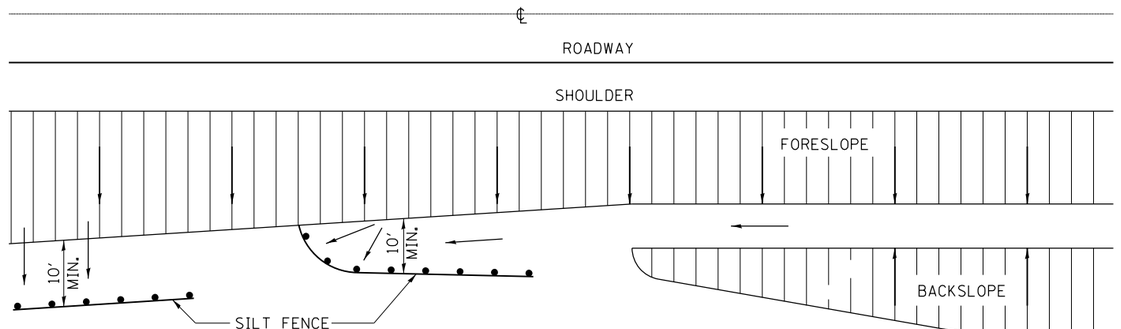
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

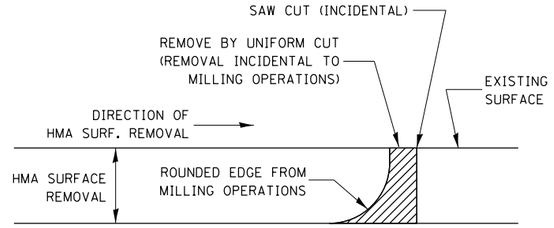
FOR INFORMATION ONLY
EXISTING SN 050-0108

SCALE: NTS | SHEET 14 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	33
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

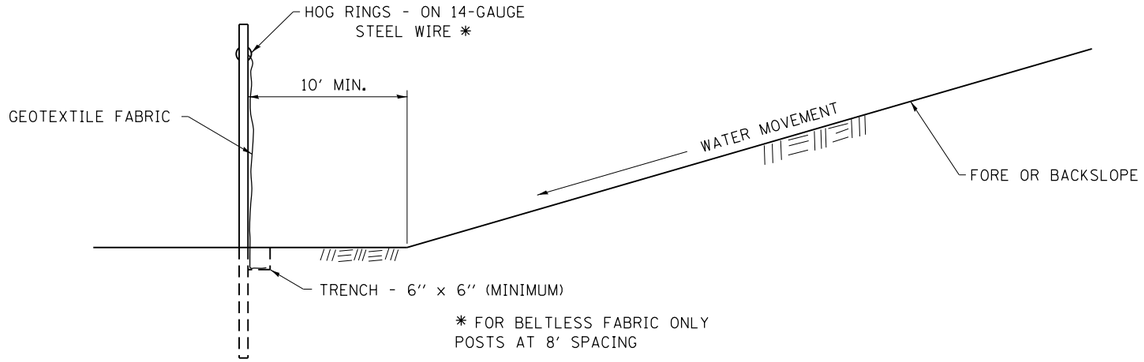






NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

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		DRAWN -	REVISED -
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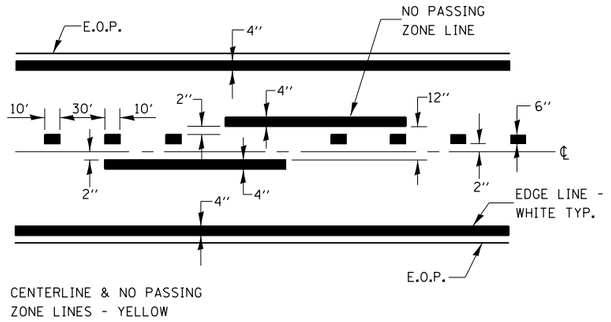
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

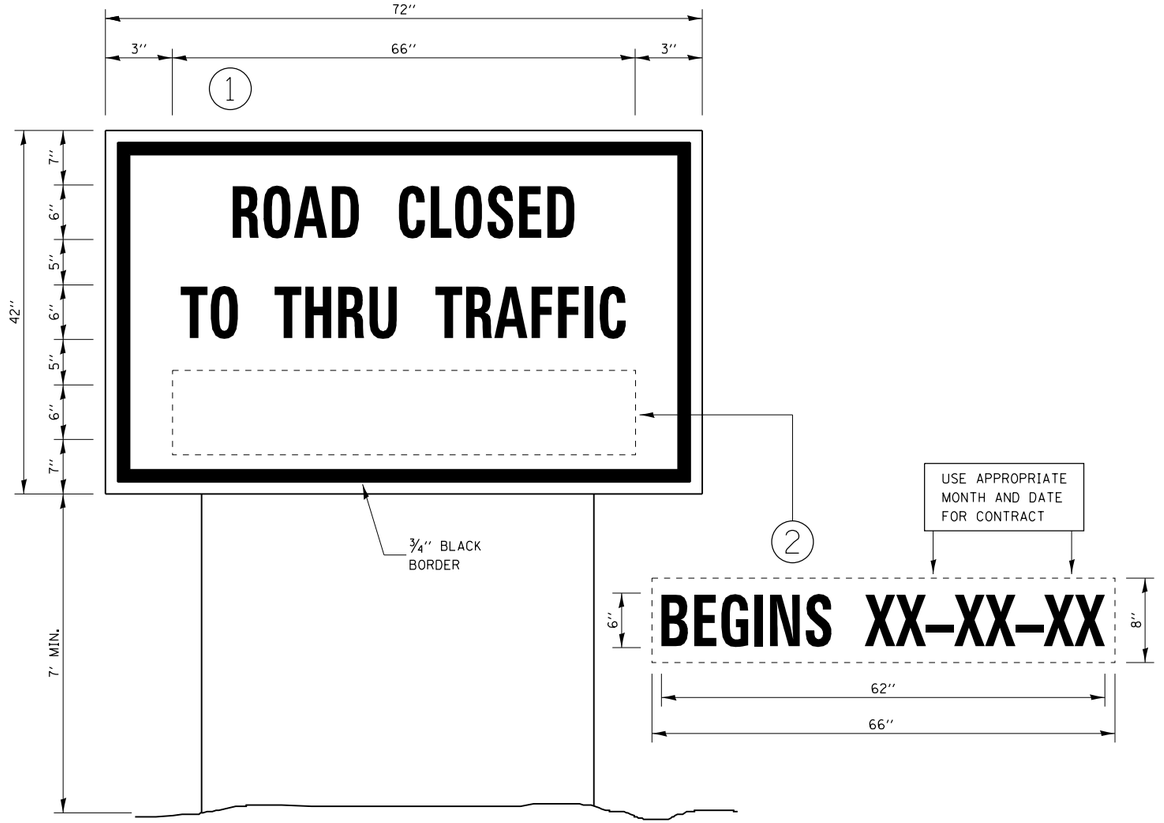
DETAILS

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	34
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6'' D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE ''ROAD CONSTRUCTION AHEAD'' SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
4. REMOVE PANEL (2) ON THAT DATE.
5. SEE SPECIAL PROVISION ''TEMPORARY INFORMATION SIGNING'' FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS ''TEMPORARY INFORMATION SIGNING''. EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

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Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	35
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

550 545 540 535 530 525 520 515 510 505

EXIST. ROW

524.17

EXIST. ROW

91+75.00

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Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 1 OF 14 SHEETS | STA. 91+75.00 | TO STA. 91+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	36
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

550 545 540 535 530 525 520 515 510 505

EXIST. ROW

1:3

1:5

518.70

524.18

524.18

VAR.

C = 10.6
F = 4.3

EXIST. ROW

92+00.00

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Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 2 OF 14 SHEETS | STA. 92+00.00 | TO STA. 92+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	37
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

550 545 540 535 530 525 520 515 510 505

EXIST. ROW

1:3

1:5

518.45

524.20

524.19

C = 8.4
F = 47.5

1:4

511.18

EXIST. ROW

92+25.00

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Default	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 3 OF 14 SHEETS | STA. 92+25.00 | TO STA. 92+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	38
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

550 545 540 535 530 525 520 515 510 505

EXIST. ROW

1:3

1:5

518.20

524.21

524.12

C = 15.1
F = 94.4

1:4

1:3

510.80

EXIST. ROW

92+50.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 4 OF 14 SHEETS | STA. 92+50.00 | TO STA. 92+50.00

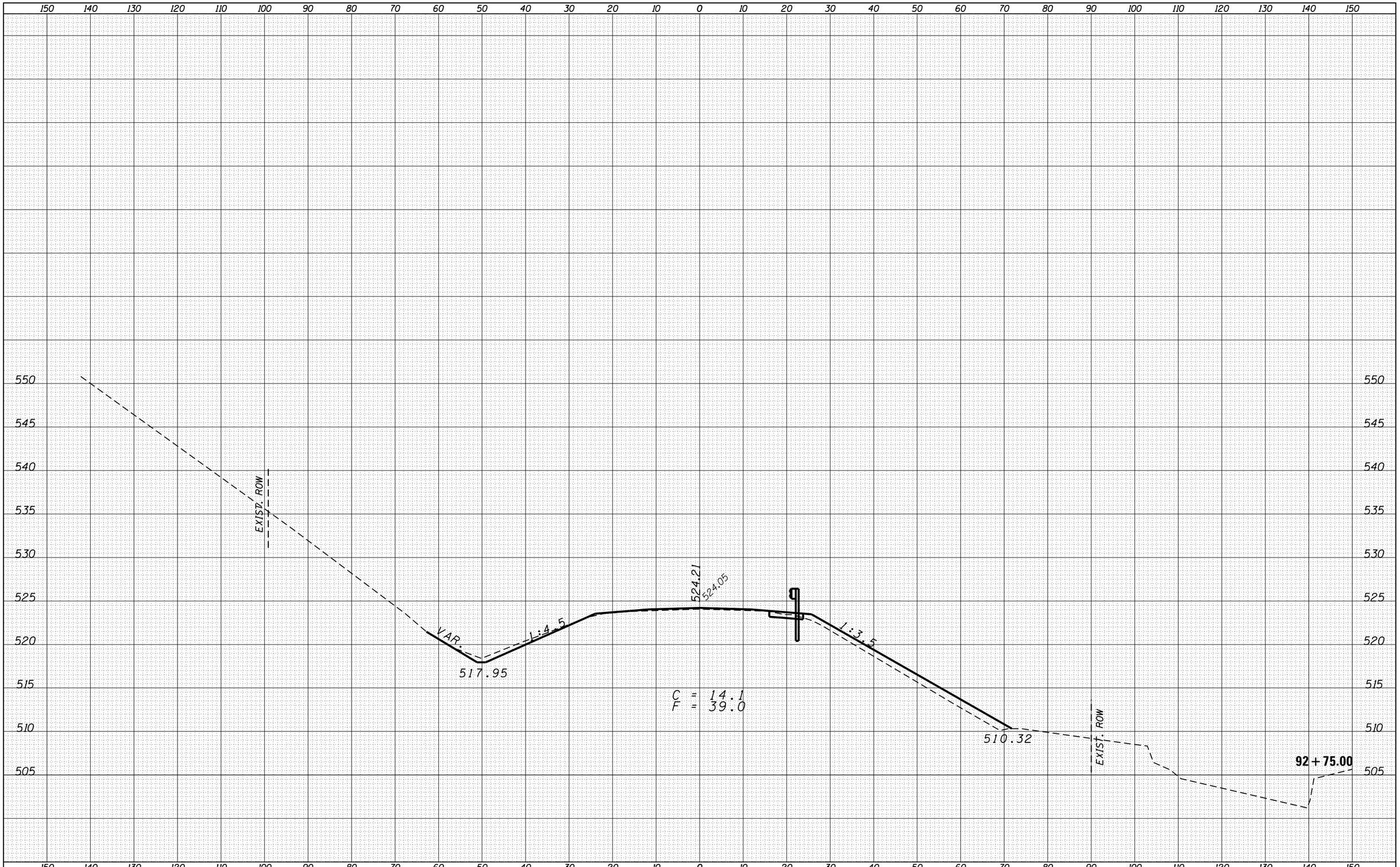
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	39
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 5 OF 14 SHEETS | STA. 92+75.00 | TO STA. 92+75.00

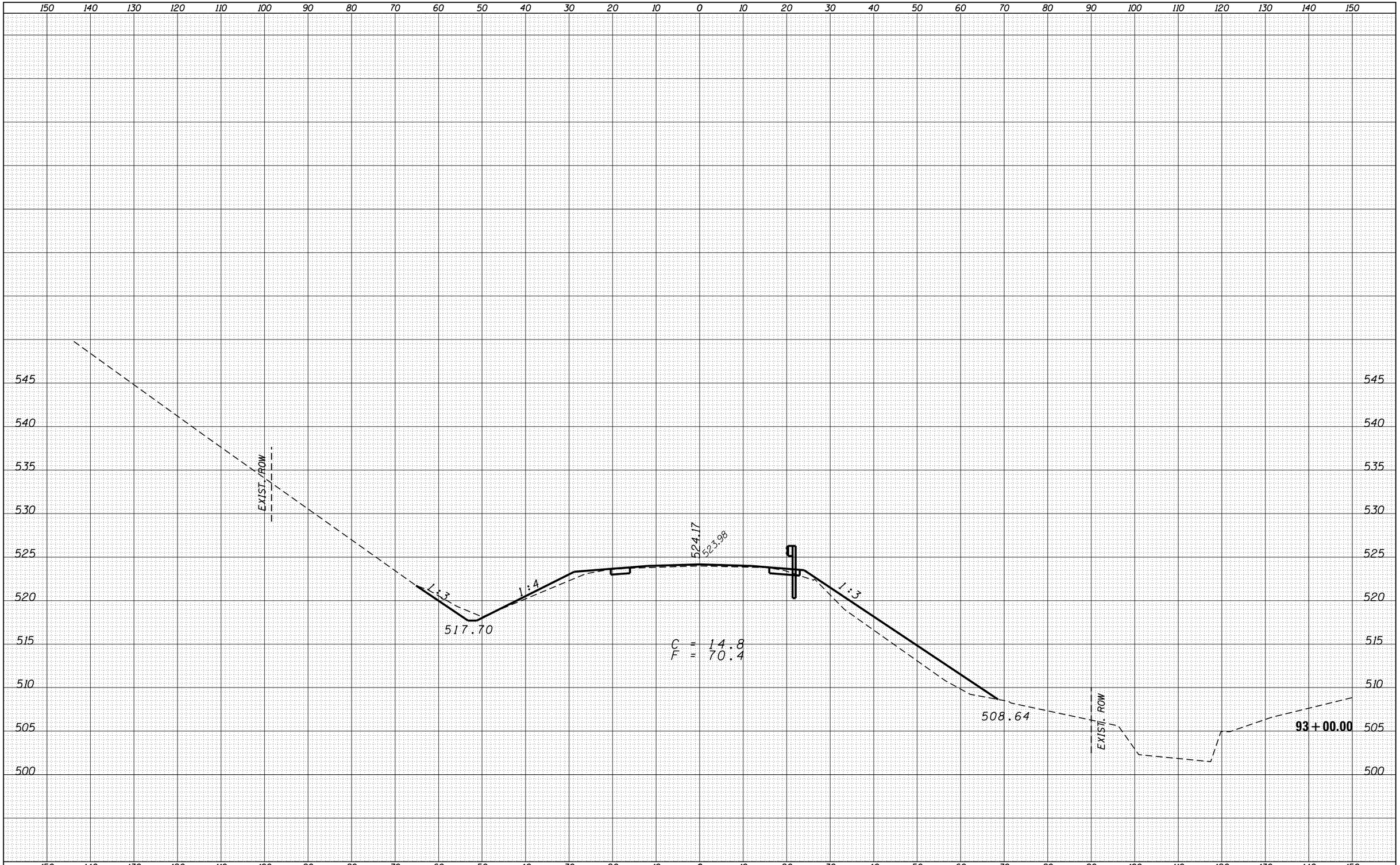
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	40
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 6 OF 14 SHEETS | STA. 93+00.00 | TO STA. 93+00.00

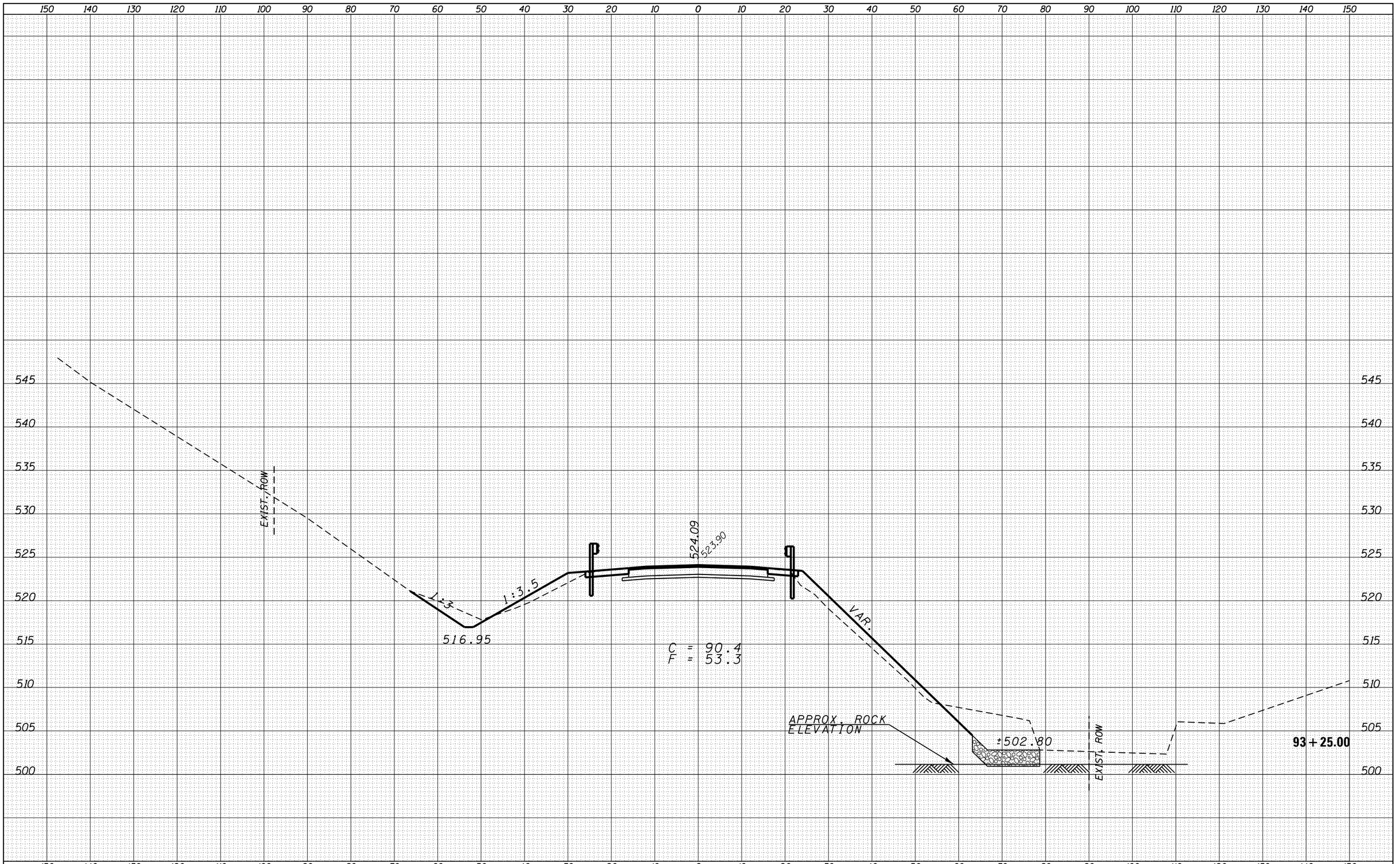
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	41
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 7 OF 14 SHEETS | STA. 93+25.00 | TO STA. 93+25.00

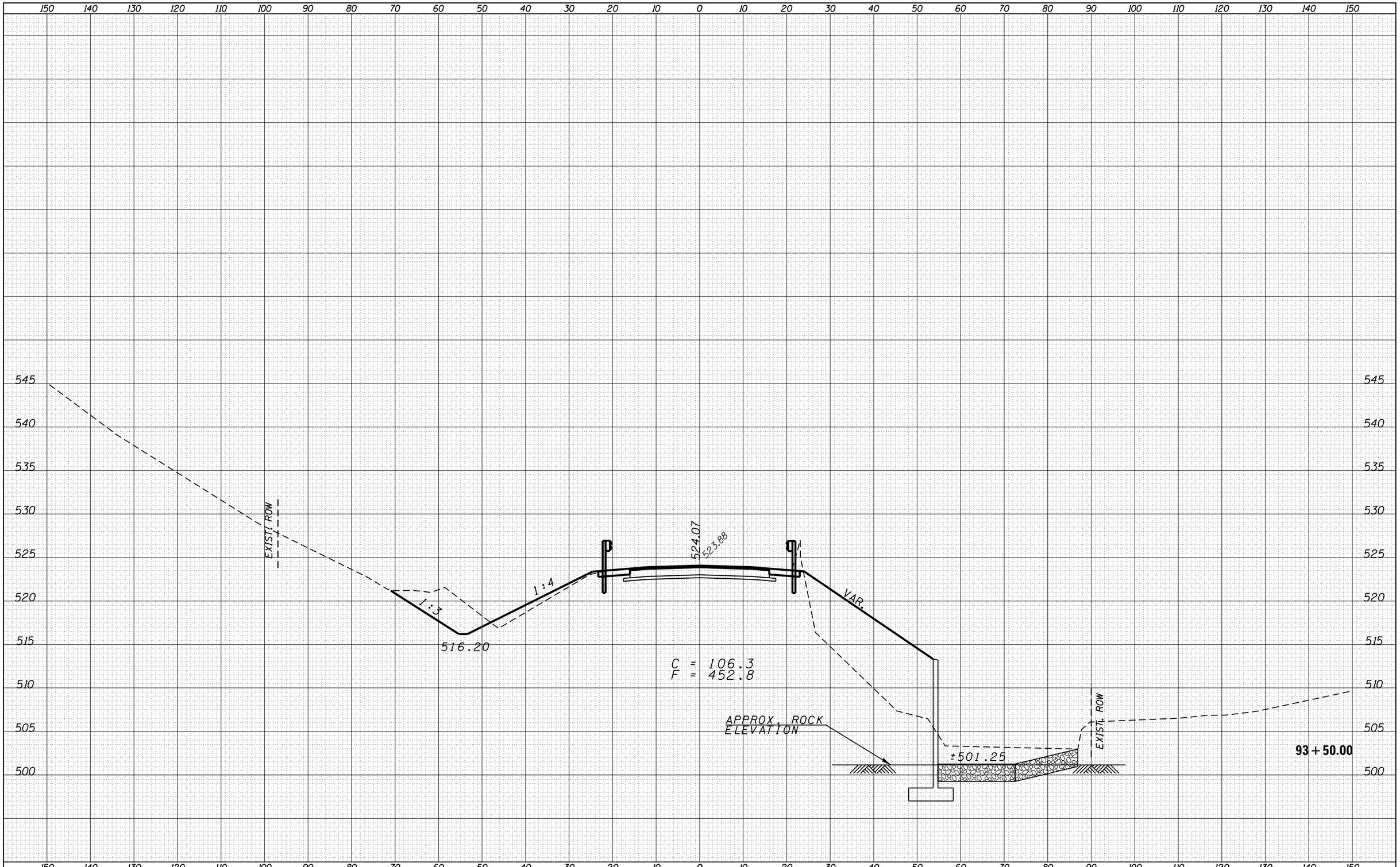
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	42

CONTRACT NO. 66A58

ILLINOIS | FED. AID PROJECT

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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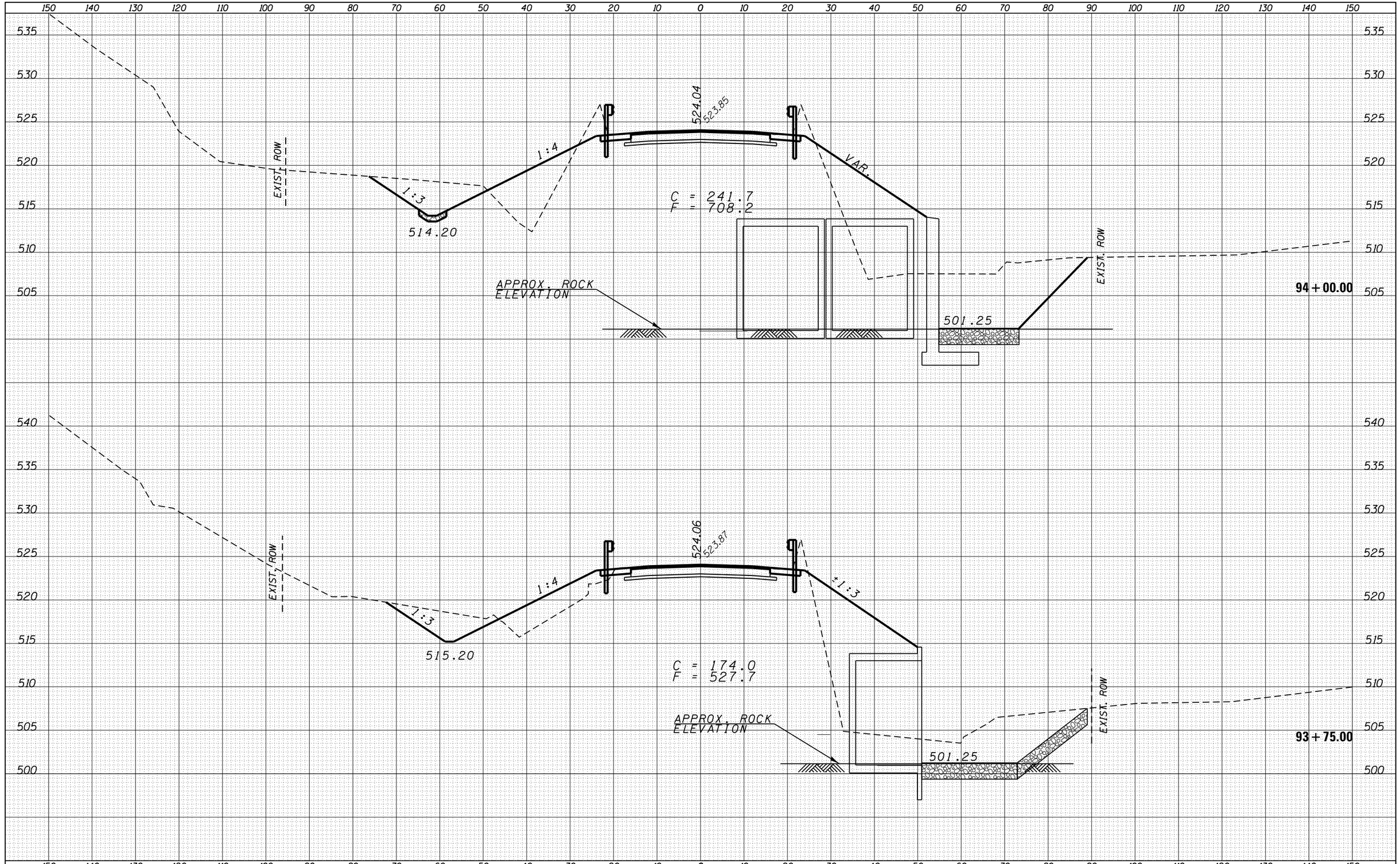
	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 8 OF 14 SHEETS | STA. 93+50.00 | TO STA. 93+50.00

F.AP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	43
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

NO.	NOTE BOOK	SURVEYED	BY	DATE
		PLOTTED		
		TEMPLATE		
		AREAS		
		AREAS CHECKED		

ORIGINAL SURVEY

NO.	NOTE BOOK	SURVEYED	BY	DATE
		PLOTTED		
		TEMPLATE		
		AREAS		
		AREAS CHECKED		

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	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 9 OF 14 SHEETS | STA. 93+75.00 TO STA. 94+00.00

F.AP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	44
		CONTRACT NO. 66A58		
		ILLINOIS	FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

525 520 515 510 505

524.04
523.85
VAR.
EXIST. ROW
C = 290.6
F = 599.0
1:3
1:3
APPROX. ROCK ELEVATION
±502.00
509.95
EXIST. ROW
94+50.00

530 525 520 515 510 505 500

524.03
523.84
EXIST. ROW
1:3
1:2.5
1:3
C = 268.8
F = 814.6
±508.10
APPROX. ROCK ELEVATION
509.20
EXIST. ROW
94+25.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NO.	NOTE BOOK	AREAS	TEMPLATE	PLOTTED	SURVEYED	BY	DATE

FINAL SURVEY

AREAS CHECKED

NO.	NOTE BOOK	AREAS	TEMPLATE	PLOTTED	SURVEYED	BY	DATE

ORIGINAL SURVEY

AREAS CHECKED

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		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

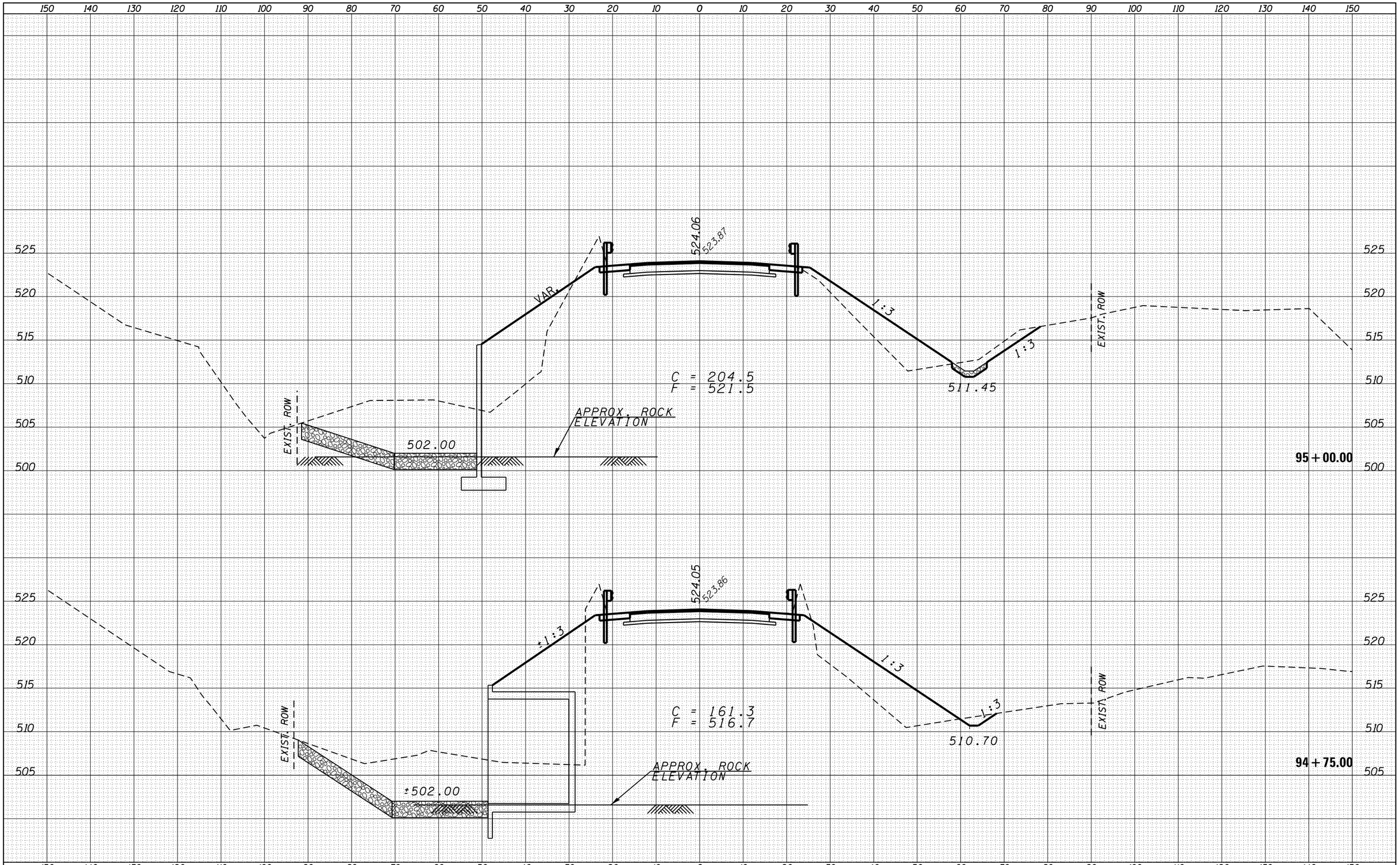
SCALE: | SHEET 10 OF 14 SHEETS | STA. 94+25.00 TO STA. 94+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(G)BR	LASALLE	49	45
		CONTRACT NO. 66A58		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY

DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY

DATE

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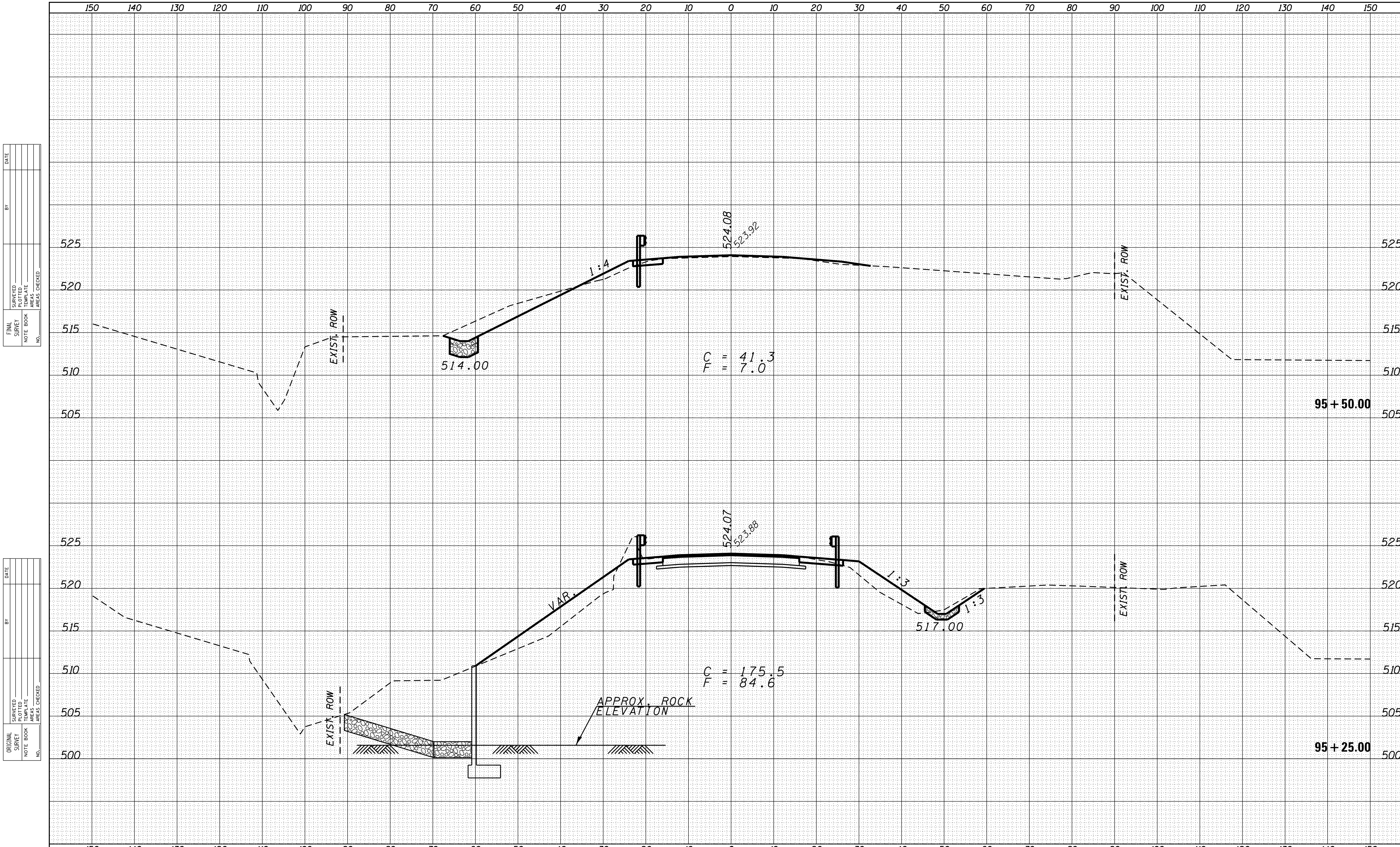
Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 11 OF 14 SHEETS | STA. 94+75.00 | TO STA. 95+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	46
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			



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	PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -			TOTAL SHEETS 49	SHEET NO. 47	
Default	PLOT DATE = 7/22/2015	CHECKED -	REVISED -		SCALE:	SHEET 12 OF 14 SHEETS	STA. 95+25.00 TO STA. 95+50.00	CONTRACT NO. 66A58
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT	

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

525
520
515
510
505

524.06
524.01
1:5
518.61
EXIST. ROW
C = 3.1
F = 15.9
EXIST. ROW
96 + 00.00

525
520
515
510
505

524.07
523.97
1:5
518.30
EXIST. ROW
C = 2.6
F = 17.3
EXIST. ROW
95 + 75.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

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Default	PLOT DATE = 7/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 13 OF 14 SHEETS | STA. 95+75.00 | TO STA. 96+00.00

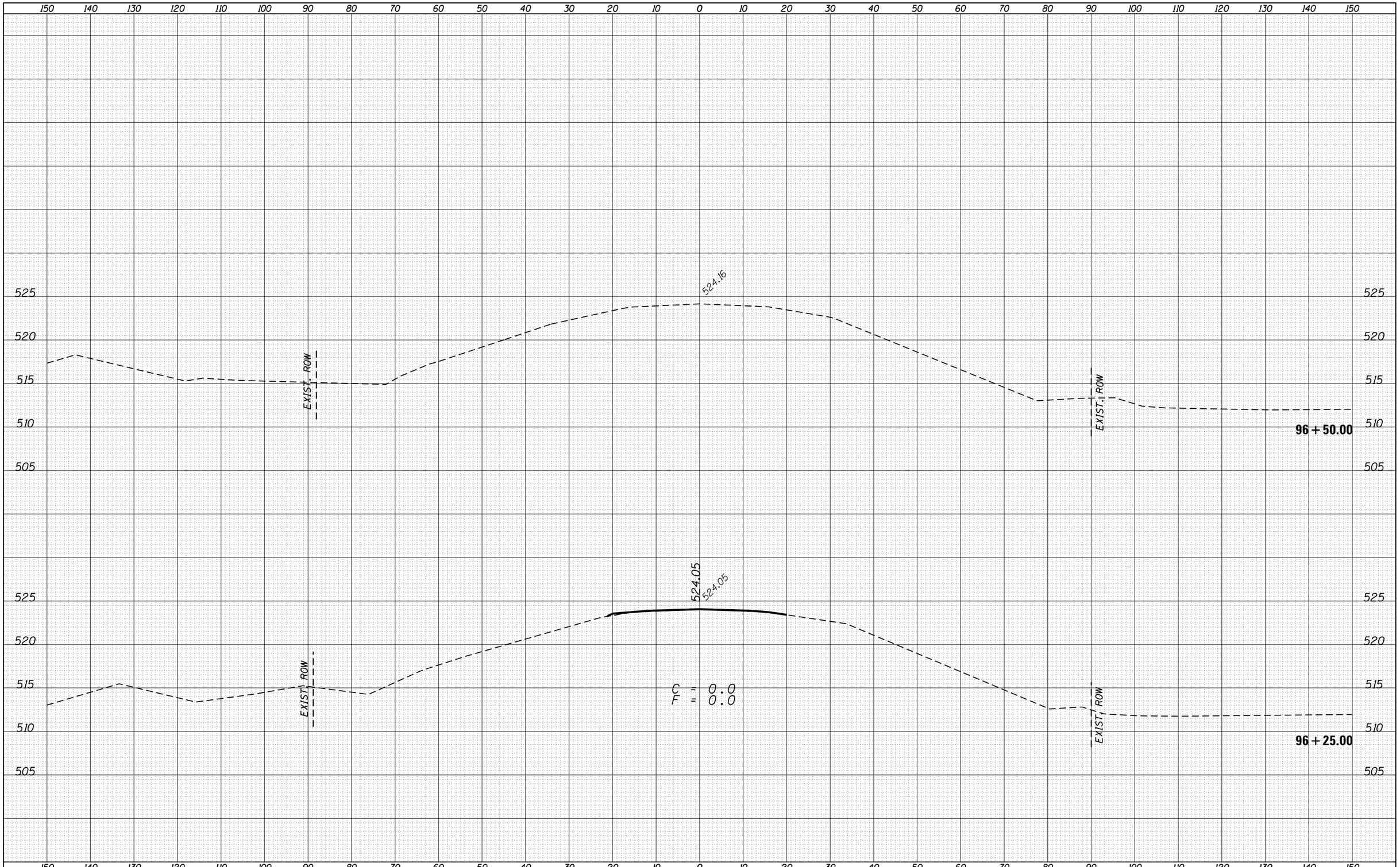
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	48
		CONTRACT NO. 66A58		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE



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Default	PLOT DATE = 7/22/2015	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: | SHEET 14 OF 14 SHEETS | STA. 96+25.00 | TO STA. 96+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G)BR	LASALLE	49	49
		CONTRACT NO. 66A58		
	ILLINOIS	FED. AID PROJECT		