CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	1

11

33

11-16-07 Letting, Item 005

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

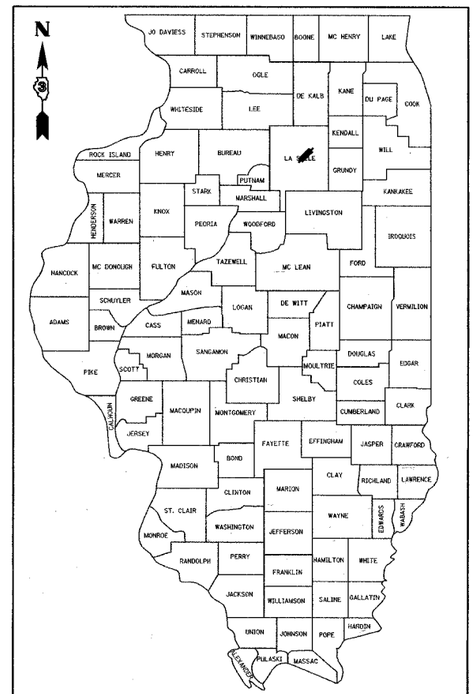
PROPOSED HIGHWAY PLANS

FAP ROUTE 311 (IL 71)
SECTION 5 BR-1
PROJECT ACBRF-0311(033)
LASALLE COUNTY

C - 93 - 053 - 04

STRUCTURE REPLACEMENT

P93-018-04
D93-050-04



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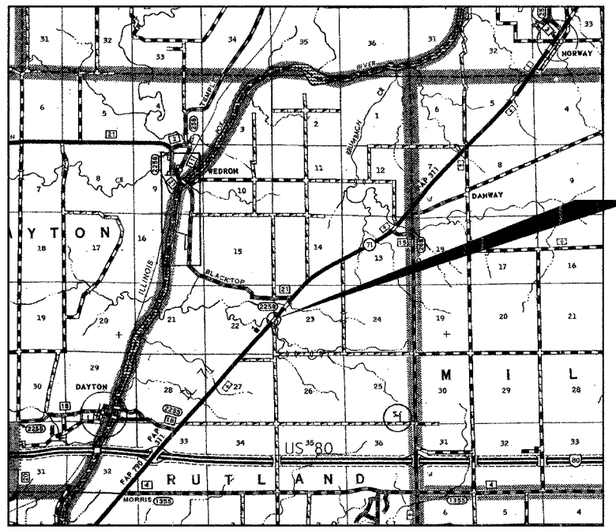

LOCATION MAP
NOT TO SCALE

PROPOSED CULVERT

SECTION 5BR-1 INCLUDES:
BRIDGE REPLACEMENT:
REPLACE SN 050-0067 WITH
TRIPLE 11'x9'x100' BOX CULVERT
W/ CAST-IN-PLACE HEADWALLS
PR SN 050-2043 (STA 260+23)
RESURFACING FROM STA 255+74
TO STA 265+05 AND TR 366 (E 22ND
ROAD) STA 8+49 TO STA 10+00

TRAFFIC DATA
ADT: IL 71
2003 = 6400 PV = 85.9%
2007 = 7400 SU = 4.7%
MU = 9.4%
FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 13 20 07
George Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 12, 20 07
Eric E. Harm, P.E.
Interim ENGINEER OF DESIGN AND ENVIRONMENT
October 12, 20 07
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GROSS LENGTH = 1082 FT. = 0.20 MI.
NET LENGTH = 1082 FT. = 0.20 MI.

MARY H. BLOODOF
43208
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS

Illinois Professional No. 43208
Expires 11-30-2007
Date: 4/12/06

100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
1"= 50'
1"= 40'
1"= 30'
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.

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

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

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVE BRUNAK
UNIT CHIEF: BRAD DUNCAN
TOWNSHIP: RUTLAND

CONTRACT NO. 66449

PLOT DATE = 04/12/2006
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USER NAME = CFC

CONTRACT NO. 66489

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR - 1	LASALLE	32	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
442201-02	CLASS C & D PATCHES
515001-02	NAME PLATE FOR BRIDGES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE)
606401	PAVED DITCH
630001-07	STEEL PLATE BEAM GUARDRAIL
630201-04	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKERS AND MOUNTING DETAILS
701001-01	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY. FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATION - DAY ONLY
701321-08	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W PAVEMENT WIDENING FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
704001-03	TEMPORARY CONCRETE BARRIER
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE 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 HOT-MIX ASPHALT LIFTS.

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

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

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAD WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SEEDING SHALL 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.

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

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

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 SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

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

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

BITUMINOUS MAT PRIME COAT	.08	GAL/SQ YD
AGGREGATE PRIME COAT	0.002	TONS/SQ YD
HOT-MIX ASPHALT RESURFACING	112	LBS/SQ YD/IN DEPTH
SHORT TERM PAVEMENT MARKING	10	FT/100 FT OF APPLICATION
TEMPORARY DITCH CHECKS	7	BALES
GRANULAR MATERIALS	2.05	TONS/CU YD

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

NICOR GAS
PO BOX 190
AURORA, IL 60507-0190

CORN BELT ENERGY

AT & T

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

COMMITMENTS

JOINT FIELD REVIEWS WILL BE CONDUCTED WITH THE RUTLAND TOWNSHIP HIGHWAY COMMISSIONER OF THE TOWNSHIP ROADS IN THE VICINITY OF THE PROJECT PRIOR AND SUBSEQUENT TO CONSTRUCTION.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: 8-10-07

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

_____
DISTRICT OPERATIONS ENGINEER

_____
DISTRICT MATERIALS ENGINEER

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5BR-1
LASALLE COUNTY

SCALE: DRAWN BY
DATE: 01/13/06 CHECKED BY

PLOT DATE = 7/30/2007
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USER NAME = dansands

CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	La SALLE	32	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

					80% FED 20% STATE	
					ROADWAY	EX SN 050-0067 PR SN 050-2043
					CONSTRUCTION TYPE CODE	
	CODE NO	ITEM	UNIT	TOTAL QNTY	1000	X080-2A
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	884	884	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	80	80	
	20101100	TREE TRUNK PROTECTION	EACH	6	6	
	20200100	EARTH EXCAVATION	CU YD	1797	1797	
	20201400	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	95	95	
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	3570	3570	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4590	4590	
△	25000200	SEEDING, CLASS 2	ACRE	1	1	
△	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	85.3	85.3	
△	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	85.3	85.3	
△	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	85.3	85.3	
△	25100115	MULCH, METHOD 2	ACRE	0.5	0.5	
△	25100630	EROSION CONTROL BLANKET	SQ YD	2141	2141	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	95	95	
	28000300	TEMPORARY DITCH CHECKS	EACH	8	8	
	28000400	PERIMETER EROSION BARRIER	FOOT	2077	2077	
	28100807	STONE DUMPED RIPRAP, CLASS A4	TON	842	842	
	28200200	FILTER FABRIC	SQ YD	821	821	
	35501331	HOT-MIX ASPHALT BASE COURSE, 11 3/4"	SQ YD	346	346	
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	211.6	211.6	
	40600300	AGGREGATE (PRIME COAT)	TON	5.3	5.3	
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	86	86	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	463	463	
	40600990	TEMPORARY RAMP	SQ YD	48	48	
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	230	230	
	44000100	PAVEMENT REMOVAL	SQ YD	205	205	
	44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	2094	2094	
	44000920	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ YD	471	471	
	44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	53	53	
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	16	16	
	48203029	HOT-MIX ASPHALT SHOULDERS 8"	SQ YD	1692	1692	
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	17	17	
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
	50105220	PIPE CULVERT REMOVAL	FOOT	61	61	
	50800105	REINFORCEMENT BARS	POUND	3580		3580
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1360		1360

△ SPECIALTY ITEM

COOMBE-BLOXDORF P.C.
Engineers /Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS	
NAME	DATE
BDD	4/11/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LA SALLE COUNTY

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DRAWN BY
CHECKED BY

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CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	La SALLE	32	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QNTY	80% FED 20% STATE ROADWAY CONSTRUCTION TYPE CODE 1000	EX SN 050-0067 PR SN 050-2043 X080-2A
	51500100	NAME PLATES	EACH	1		1
	54003000	CONCRETE BOX CULVERTS	CU YD	66.4		66.4
	54201291	PIPE CULVERTS, TYPE 2 RCCP 36"	FOOT	88	88	
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2	
	54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	2	2	
△	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1087.5	1087.5	
△	63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4	
	63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	842	842	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
	67100100	MOBILIZATION	L SUM	1	1	
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
△	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	157	157	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	661	661	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	450	450	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	425	425	
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1916	1916	
△	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	233	233	
△	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	32	32	
△	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12	
△	78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16	
△	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
	78300105	PAVEMENT MARKING REMOVAL	FOOT	625	625	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12	
	X0321100	GEOTEXTILE RETAINING WALL	SQ FT	578		578
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	838		838
	X4402100	PAVED DITCH REMOVAL	SQ YD	236	236	
	Z0022800	FENCE REMOVAL	FOOT	455	455	
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
	5401109	PRECAST CONCRETE BOX CULVERT 11' X 9'	FOOT	300		300

△ SPECIALTY ITEM

REVISIONS NAME	DATE
BDD	4/11/07

COOMBE–BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LA SALLE COUNTY

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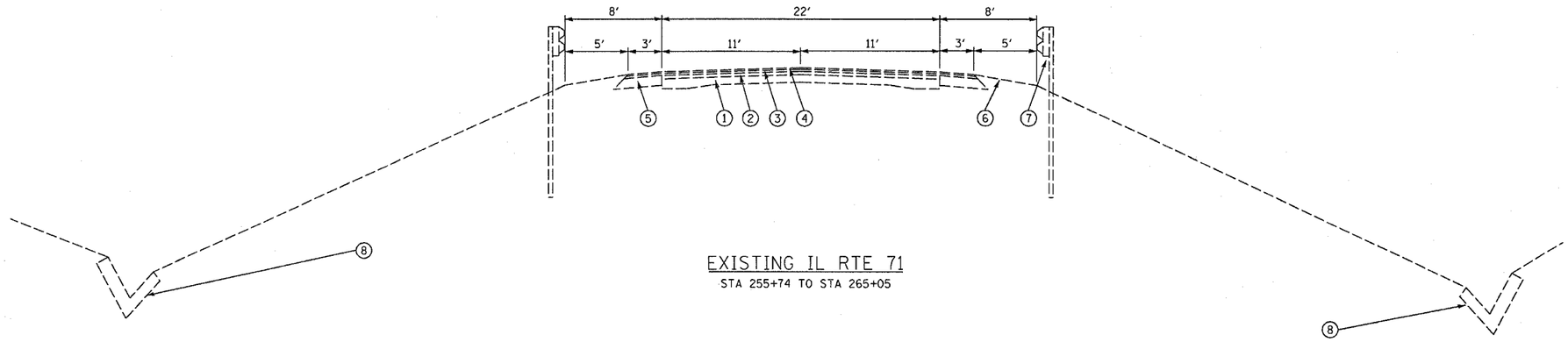
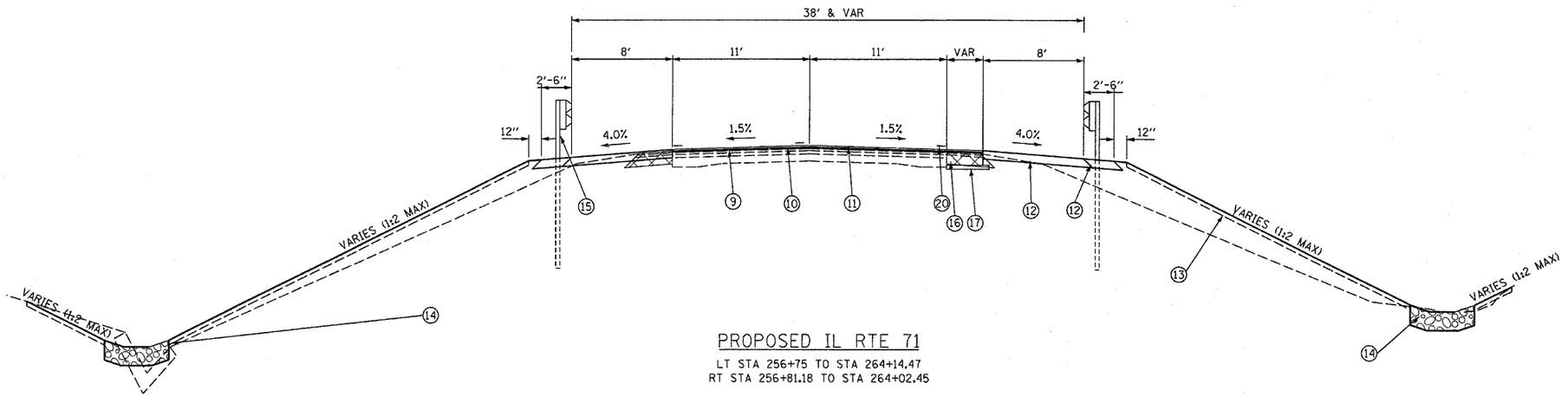
CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	La SALLE	32	5
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



EXISTING IL RTE 71
STA 255+74 TO STA 265+05



PROPOSED IL RTE 71
LT STA 256+75 TO STA 264+14.47
RT STA 256+81.18 TO STA 264+02.45

(1) EX PCC PAVEMENT, 9"-7"-9"

(2) EX BITUMINOUS CONCRETE OVERLAY, 3"

(3) EX BITUMINOUS CONCRETE OVERLAY, 2"

(4) EX BITUMINOUS CONCRETE OVERLAY, 1 1/2"

(5) EX BITUMINOUS SHOULDER, 8" PLUS 3 1/2" OVERLAY (TBR)

(6) EX EARTH/AGGREGATE SHOULDER

(7) EX GUARDRAIL (TBR)

(8) EX PAVED DITCH (SEE PLANS FOR LOCATIONS)

(9) PR HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"

(10) PR LEVELING BINDER (MACHINE METHOD), 3/4" (SEE MIX TABLE FOR DETAILS)

(11) PR HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" (SEE MIX TABLE FOR DETAILS)

(12) PR HOT-MIX ASPHALT SHOULDERS, 8"

(13) PR FURNISH AND PLACE TOPSOIL, 4"

(14) PR RIPRAP, CL A-4 (SEE PLANS FOR LOCATIONS)

(15) PR STEEL PLATE BEAM GUARDRAIL, TYPE A OR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)

(16) PR HOT-MIX ASPHALT BASE COURSE, 11-3/4" (SEE MIX TABLE FOR DETAILS)

(17) PR SUBBASE GRANULAR MATERIAL, TY A, 4"

(18) PR HOT-MIX ASPHALT SHOULDERS, 2-1/4"

(19) PR AGGREGATE WEDGE SHOULDER, TY B

(20) PR PAVEMENT MARKING LINES (SEE SCHEDULES FOR DETAILS)

MIX DESIGN TABLE

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE	HMA SHOULDERS
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 58-22
MAX % RAP ALLOWABLE ••	15%•••	15%•••	10%•••	30%
DESIGN AIR VOIDS	4% @ N70	4% @ N70	4% @ N70	3.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.5 OR IL 9.5	BAM
FRICTION AGGREGATE			MIXTURE D	
DENSITY TEST METHOD	CORES/NUCLEAR METHOD	SATISFACTION OF ENGINEER	CORES/NUCLEAR METHOD	•

• MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED ON THE QC/QA SPECIFICATION.

•• IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

••• SEE BDE RAP SPECIAL PROVISION.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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DATE: 01/13/06

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CHECKED BY MCB

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CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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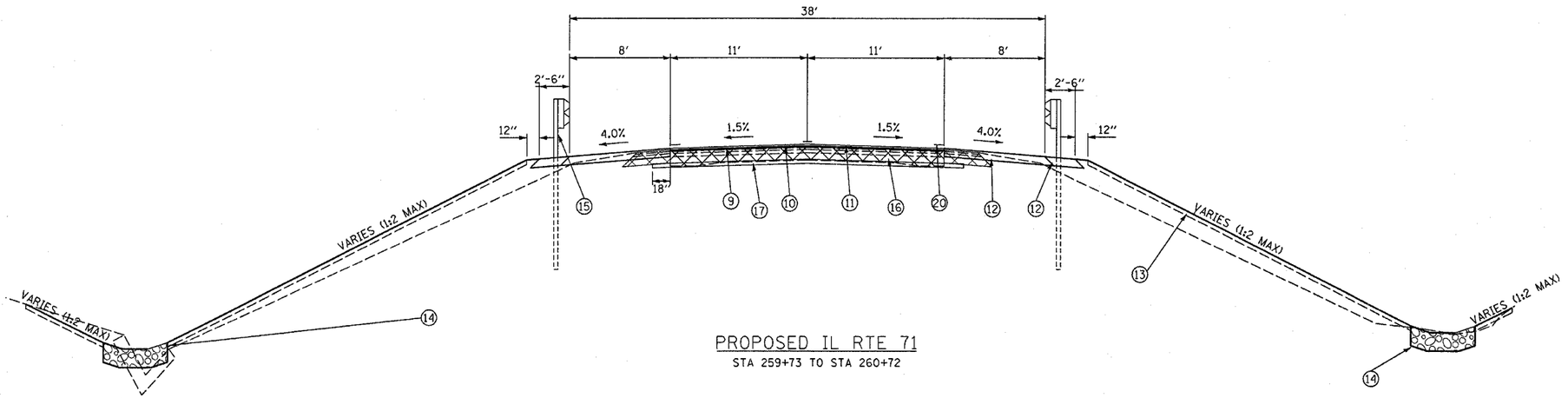
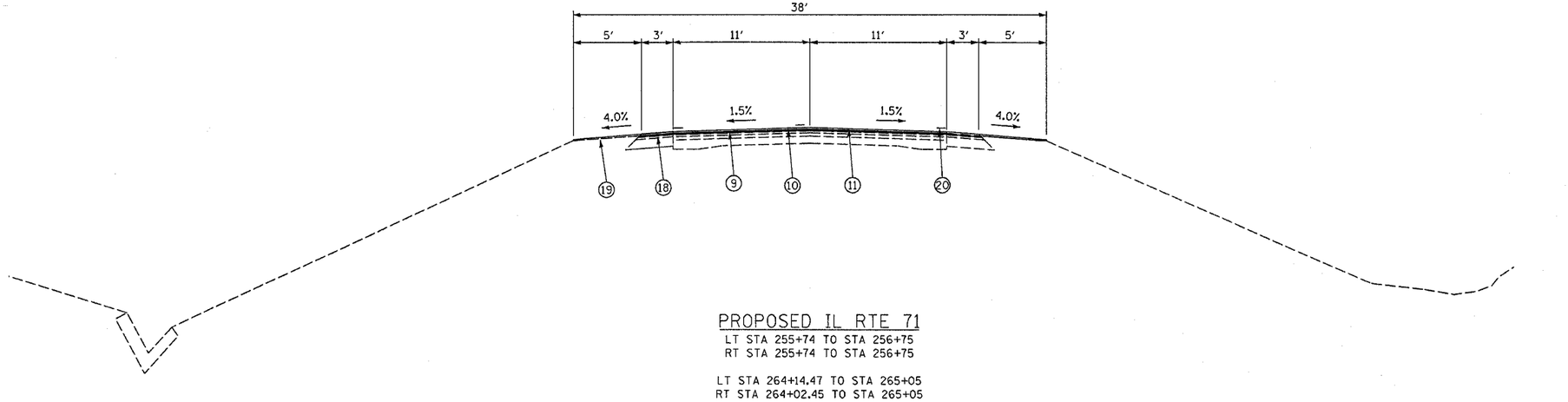
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



PROPOSED IL RTE 71
STA 259+73 TO STA 260+72



PROPOSED IL RTE 71
LT STA 255+74 TO STA 256+75
RT STA 255+74 TO STA 256+75

LT STA 264+14.47 TO STA 265+05
RT STA 264+02.45 TO STA 265+05

1. EX PCC PAVEMENT, 9"-7"-9"
2. EX BITUMINOUS CONCRETE OVERLAY, 3"
3. EX BITUMINOUS CONCRETE OVERLAY, 2"
4. EX BITUMINOUS CONCRETE OVERLAY, 1 1/2"
5. EX BITUMINOUS SHOULDER, 8" PLUS 3 1/2" OVERLAY (TBR)
6. EX EARTH/AGGREGATE SHOULDER
7. EX GUARDRAIL (TBR)
8. EX PAVED DITCH (SEE PLANS FOR LOCATIONS)
9. PR HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
10. PR LEVELING BINDER (MACHINE METHOD), 3/4" (SEE MIX TABLE FOR DETAILS)
11. PR HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" (SEE MIX TABLE FOR DETAILS)
12. PR HOT-MIX ASPHALT SHOULDERS, 8"
13. PR FURNISH AND PLACE TOPSOIL, 4"
14. PR RIPRAP, CL A-4 (SEE PLANS FOR LOCATIONS)
15. PR STEEL PLATE BEAM GUARDRAIL, TYPE A OR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)
16. PR HOT-MIX ASPHALT BASE COURSE, 11-3/4" (SEE MIX TABLE FOR DETAILS)
17. PR SUBBASE GRANULAR MATERIAL, TY A, 4"
18. PR HOT-MIX ASPHALT SHOULDERS, 2-1/4"
19. PR AGGREGATE WEDGE SHOULDER, TY B
20. PR PAVEMENT MARKING LINES (SEE SCHEDULES FOR DETAILS)

MIX DESIGN TABLE

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE	HMA SHOULDERS
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 58-22
MAX % RAP ALLOWABLE ••	15%•••	15%•••	10%•••	30%
DESIGN AIR VOIDS	4% @ N70	4% @ N70	4% @ N70	3.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.5 OR IL 9.5	BAM
FRICTION AGGREGATE			MIXTURE D	
DENSITY TEST METHOD	CORES/NUCLEAR METHOD	SATISFACTION OF ENGINEER	CORES/NUCLEAR METHOD	•

• MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED ON THE QC/QA SPECIFICATION.

•• IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

••• SEE BDE RAP SPECIAL PROVISION.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT.
HORIZ.
DATE: 01/13/06

DRAWN BY CCA
CHECKED BY MCB

PLOT DATE = 4/20/2007
FILE NAME = c:\projects\epd8184\consultcosdot\final\roadway\typical-sections.dgn
PLOT SCALE = 6SCALE's
USER NAME = duncanbd

CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	La SALLE	32	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIPE CULVERT SCHEDULE

APPROX. LOCATION	RCCP, 36"	PRC FLARED END SECTION, 36"	GRATING FOR PRCFES, 36"
STA/OFFSET	FT	EACH	EACH
TR 366 STA 9+51.85, 61.52' LT		1	1
TR 366 STA 9+51.85	88		
TR 366 STA 9+51.85, 42.77' RT		1	1
TOTAL	88	2	2

PIPE CULVERT REMOVAL SCHEDULE

APPROX. LOCATION	PIPE CULVERT, 36" CMP TO BE REMOVED
	FT
TR 366 STA 9+ 55.59	61
TOTAL	61

PAVED DITCH REMOVAL SCHEDULE

APPROX. LOCATION	PAVED DITCH TO BE REMOVED	WIDTH OF PAVED DITCH	AREA OF PAVED DITCH TO BE REMOVED
	FT	FT	SQ YD
LT STA 260+41.52 TO STA 261+50	108	4	48
RT STA 257+79.35 TO STA 260+06.25	227		101
RT STA 260+53.8 TO STA 262+50	196		87
TOTAL	531	4	236

RIPRAP SCHEDULE

APPROX. LOCATION	STONE DUMPED RIPRAP, CL A4	FILTER FABRIC
	TON	SQ YD
STA 259+55.03, 70.96' LT TO STA 261+50, 46.90' LT	518	505
STA 257+83.88, 53.54' RT TO STA 262+50, 43.92' RT	324	316
TOTAL	842	821

SUMMARY OF EARTHWORK

LOCATION	EARTH EXCAVATION CU YD	EMBANKMENT CU YD (1)	FILL * 1.3	WASTE (BORROW) CU YD (2)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD
STA 256+50 TO 257+75	14.3	191.8	249.34	(235.04)	-235.04
STA 257+75 TO 258+75	259.7	145.4	189.02	70.68	-164.36
STA 258+75 TO STA 260+04.5	685.7	367.7	478.01	207.69	43.33
	CULVERT OMISSION				
STA 260+41.5 TO 261+50	706.6	328.8	427.44	279.16	322.49
STA 261+50 TO 262+50	86.5	127.3	165.49	(78.99)	243.50
STA 262+50 TO 264+00	44.4	63.9	83.07	(38.67)	204.83
TOTAL	1797	1225	1592	205	204.83

NOTES:
1- NO SHRINKAGE FACTOR APPLIED TO THE EMBANKMENT QUANTITY
2- A 30% EXPANSION FACTOR WAS USED IN COMPUTING BORROW QUANTITY
3- TOP SOIL NOT COMPUTED - WILL BE CALCULATED WITH SEEDING AS THERE IS NO TOPSOIL UNDER RIPRAP AREAS
4- NO PAYMENT WILL BE ALLOWED FOR OVERHAUL
5- EXCAVATION REQUIRED FOR BIT BINDER COURSE, BITUMINOUS SHOULDERS, AGGREGATE SHOULDERS AND GUARDRAIL IS MEASURED AND PAID FOR AS EARTH EXCAVATION

HOT-MIX ASPHALT SHOULDER REMOVAL SCHEDULE

STATION	SHOULDER REMOVAL LENGTH	SHOULDER WIDTH	SHOULDER REMOVAL
	FT	FT	SQ YD
LT STA 256+75 TO STA 263+80.3 (MINUS 37' STR. OMISSION)	668.3	3	222.8
RT STA 256+75 TO STA 256+97.67	22.67	3	7.6
RT STA 257+84.78 TO STA 263+78.02 (MINUS 37' STR. OMISSION)	556.24	3	185.4
RT STA 259+72 TO 260+73 (MINUS 37' STR. OMISSION)	62	8	55
TOTAL			471

PAVEMENT REMOVAL SCHEDULE

STATION	PAVEMENT REMOVAL LENGTH	PAVEMENT REMOVAL
	FT	SQ YD
STA 259+73 TO STA 260+04.50	31.5	77
STA 260+41.5 TO STA 260+72.0	30.5	76
TR 366 STA 9+46.81 TO STA 9+60.64	13.83	52
TOTAL		205

FENCE REMOVAL SCHEDULE

STATION	FENCE REM
	FT
LT STA 260+84.70 TO STA 261+65.36	81
RT STA 258+14.93 TO STA 259+80.90	166
RT STA 260+61.0 TO STA 262+68.54	208
TOTAL	455

GUARDRAIL SCHEDULE

STATION	SPBGR TY A FOOT	TBT TY 1, SP EACH	G/R MKR TY A BIDIRECTIONAL SILVER EACH	TERM MKR DIR. APP. EACH
LT STA 256+75 TO STA 257+25		1		1
LT STA 257+25 TO STA 263+25	600		9	
LT STA 263+25 TO STA 263+75		1		1
RT STA 257+87.5 TO STA 258+37.5		1		1
RT STA 258+37.5 TO STA 263+25	487.5		7	
RT STA 263+25 TO STA 263+75		1		1
TOTALS	1087.5	4	16	4

GUARDRAIL REMOVAL SCHEDULE

STATION	SPBGR REM
	FT
LT STA 257+91.05 TO STA 262+41.59 (MINUS 37' STR. OMISSION)	414
RT STA 257+79.02 TO STA 262+43.72 (MINUS 37' STR. OMISSION)	428
TOTAL	842

RAISED REFLECTIVE PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	RAISED REFL. REM (EACH)	RAISED REFL. BI-DIR YELLOW (EACH)
STA. 255+74 TO STA. 265+05	12	12
TOTAL	12	12

PAINT PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LENGTH	6" YELLOW SKIP-DASH (FT)	4" WHITE SOLID (FT)	24" WHITE SOLID STOP BAR (FT)
IL 71 STA 255+74 TO STA 265+05	931.00	232.8	1646.5	
AROUND IL 71/TR 366 RADIUS RETURNS			269.3	
TR 366 STA 9+87.08				32
TOTAL	931.0	233	1915.8	32

SHORT TERM PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LENGTH	SHORT TERM (FT)
4' SKIP-DASH CENTERLINE STA 256+04.00 TO STA 264+75.00	871	87
TEMPORARY EDGE LINES STA 256+04.00 TO STA 264+75.00	871	70
TOTAL		157

PAVEMENT MARKING REMOVAL SCHEDULE

LOCATION STATION TO STATION	LENGTH (FT)	REMOVAL (SQ FT)
CENTERLINE (6") STA 256+04.00 TO STA 264+75.00	871	43.55
EDGE LINES (4") STA 256+04.00 TO STA 264+75.00	871	580.67
TOTAL		625

WORK ZONE PAVEMENT MARKING REMOVAL SCHEDULE

LOCATION STATION TO STATION	LENGTH (FT)	REMOVAL (SQ FT)
STOP BAR STA 256+04.00		22
STOP BAR STA 264+75.00		22
STOP BAR TR 366 STA 9+61.50		36
TEMPORARY EDGE LINES STA 256+04.00 TO 264+75.00 STAGE I	871	290.5
TEMPORARY EDGE LINES STA 256+04.00 TO 264+75.00 STAGE II	871	290.5
TOTAL		661.00

PLOT DATE = 01/12/2006
FILE NAME = ...\05\schedule-of-quantities.dgn
PLOT SCALE = 1.0000 ' / IN.
USER NAME = CPC

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LA SALLE COUNTY

SCALE:
DRAWN BY
DATE: 01/13/06
CHECKED BY

CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	La SALLE	32	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEEDING SCHEDULE

STATION TO STATION	SEEDING CLASS 2	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENTS	PHOSPHOROUS FERTILIZER NUTRIENTS	POTASSIUM FERTILIZER NUTRIENTS	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING	EROSION CONTROL BLANKET	TOPSOIL 4" FURNISH & PLACE
	SQ FT	ACRES	LBS	LBS	LBS	ACRES	LBS	SQ YD	SQ YD
LT STA 256+50 TO 257+75	2043.925	0.047	4.2	4.2	4.2	0.047	4.692		227.103
LT STA 257+75 TO 258+75	664.385	0.015	1.4	1.4	1.4	0.015	1.525		73.821
LT STA 258+75 TO 259+50	2099.75	0.048	4.3	4.3	4.3	0.048	4.820		233.306
LT STA 259+50 TO 260+04.5	2780.695	0.064	5.7	5.7	5.7		6.384	308.966	308.966
CULVERT OMISSION									
LT STA 260+41.5 TO 261+25	4676.8875	0.107	9.7	9.7	9.7		10.737	519.654	519.654
LT STA 261+25 TO 262+25	2475.88	0.057	5.1	5.1	5.1	0.057	5.684		275.098
LT STA 262+25 TO 263+25	830.25	0.019	1.7	1.7	1.7	0.019	1.906		92.250
LT STA 263+25 TO 264+00	602.75	0.014	1.2	1.2	1.2	0.014	1.384		66.972
RT STA 256+50 TO 257+75	1653.625	0.038	3.4	3.4	3.4	0.038	3.796		183.736
RE STA 257+75 TO 258+75	4697.625	0.108	9.7	9.7	9.7	0.108	10.784		521.958
RT STA 258+75 TO 259+50	4932.505	0.113	10.2	10.2	10.2	0.113	11.323		548.056
RT STA 259+50 TO 260+04.5	3215.815	0.074	6.6	6.6	6.6		7.382	357.313	357.313
CULVERT OMISSION									
RT STA 260+41.5 TO 261+25	4161.8	0.096	8.6	8.6	8.6		9.554	462.422	462.422
RT STA 261+25 TO 262+50	4434	0.102	9.2	9.2	9.2		10.179	492.667	492.667
RT STA 262+50 TO 263+25	1449.625	0.033	3.0	3.0	3.0	0.033	3.328		161.069
RT STA 263+25 TO 264+00	585.75	0.013	1.2	1.2	1.2	0.013	1.345		65.083
TOTALS	**41305.268**	**0.95**	**85.3**	**85.3**	**85.3**	**0.51**	**94.8**	**2141.0**	**4589.5**

SHOULDER SCHEDULE

LOCATION (STATION TO STATION)	HMA SHOULDER, 8" W = 8'	HMA SHOULDER, 8" W = 6'	HMA SHOULDER, 8" W = 6' TO 4'	HMA SHOULDER 8" W = 4'	HMA SHOULDER 8" W = 30" (AT SPBGR)	HMA SHOULDER, 2-1/4" OVERLAY	AGGREGATE SHOULDER, TY B (5' WEDGE)
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON
LT STA 255+74 TO STA 256+75						4.24	3.99
RT STA 255+74 TO STA 256+75						4.24	3.99
LT STA 256+75 TO STA 263+80.3	626.93				200.01		
RT STA 256+75 TO STA 256+97.67	18.36						
TR 366 LT STA 9+82.09 TO STA 8+79.39				46.09			
TR 366 RT STA 8+79.58 TO STA 9+04.36				11.01			
TR 366 RT STA 9+04.36 TO STA 9+42.02			20.92				
TR 366 RT STA 9+42.02 TO STA 9+87.93		77.53					
RT STA 258+52 TO STA 263+78.02	522.68				168.76		
LT STA 264+14.47 TO STA 265+05						3.8	3.58
RT STA 264+02.45 TO STA 265+05						4.31	4.06
SUBTOTALS	**1167.97**	**77.53**	**20.92**	**57.1**	**368.77**	**16.59**	**15.62**
TOTAL	**1692**					**17**	**16**

RESURFACING SCHEDULE (MAINLINE PAVEMENT)

LOCATION STATION TO STATION		HMA SURF REM, BUTT JOINT	HMA SURF REM, 3/4"	BIT PRIME COAT	AGG PRIME COAT	LVL BND, N70 3/4"	HMA SURF CSE , MIX C, N70 1-1/2"
		SQ YD	SQ YD	GAL	TON	TON	TON
255+74.	256+34.	186.6		14.928	0.3732		12.31
256+34.	259+73.		856.00	66.29	1.66	34.80	69.61
259+73.	260+72.			19.36	0.484		20.33
260+72.	264+45.		936.14	72.96	1.82	38.30	76.61
264+45.	265+05.	186.6		14.93	0.37		12.31
TR 366 STA 9+89	TR 366 STA 9+09		302	24.16	0.60	12.68	25.37
TR 366 STA 9+09	TR 366 STA 8+79	67.0		5.36	0.13		5.63
SUBTOTAL ENTRANCES		22.7					7.35
TOTALS		**463**	**2094**	**211.6**	**5.3**	**86**	**230**

WIDENING/PAVEMENT RECONSTRUCTION SCHEDULE

LOCATION (STATION TO STATION)	SUB. GRAN. MTL, TY. A., 4"	SUB. GRAN. MTL, TY. A., 4"	HMA BASE CSE, , 11-3/4"
	SQ YD	TON	SQ YD
IL 71 RT STA 256+85.71 TO STA 257+05.33	5.93	1.35	3.66
TR 366 LT STA 9+27.31 TO STA 9+46.90	7.58	1.72	4.51
TR 366 RT STA 9+23.94 TO IL 71 RT STA 258+96.88	126.73	28.83	96.05
IL 71 STA 259+73 TO STA 260+72	275	62.58	242
TOTALS		**95**	**346**

TREE TRUNK PROTECTION SCHEDULE

LOCATION (STATION)	OFFSET	LT/RT	NUMBER OF TREES (EACH)
260+09.09	89	LT	1
SUBTOTAL NORTHWEST QUADRANT			1
259+94.02	89.34	RT	1
SUBTOTAL SOUTHWEST QUADRANT			1
260+50.56	87.99	RT	1
261+28.68	60.89	RT	1
262+49.74	41.1	RT	1
262+49.74	41.1	RT	1
SUBTOTAL SOUTHEAST QUADRANT			4
TOTALS IL 71			6

TEMPORARY RAMP SCHEDULE

APPROX. LOCATION	WIDTH FT	STREET NAME	TEMP RAMP SQ. YD
255+74	22	BEGINNING OF JOB	12.22
259+73	22	CULV. OMISSION	12.22
260+72	22	CULV. OMISSION	12.22
265+05	22	END OF JOB	12.22
8+79	20	TR. 366	11.11
TOTAL			48

ENTRANCE IMPROVEMENT SCHEDULE

LOCATION	TYPE	MATERIAL	WIDTH AT BACK	WIDTH AT ROADWAY EDGE	HMA REM BUTT JOINT (LAST 4' TYP)	HMA SURF CSE, 1-1/2"
			FT	FT	SQ YD	TON
RT STA 263+87.87	PE / MB	BIT	15.69	35.69	8.8	4.08
LT STA 263+96.08	PE	BIT	28.84	41.13	13.9	3.27
RT STA 264+95.06	FE	AGG	N/A - RUN PR SHLD THROUGH AGG FE			
TOTALS					22.7	7.35

PATCHING SCHEDULE

LOCATION	PVT PATCHING, TY IV
	SQ YD
TR 366 STA 9+46.81 TO STA 9+60.64	52.55
TOTAL	53

TREE REMOVAL SCHEDULE

LOCATION (STATION)	OFFSET	LT/RT	DIAMETER 6-15 (UNITS)	DIAMETER OVER 15 (UNITS)
259+26.09	37.02	LT	8	
259+28.47	46.62	LT	8	
259+28.47	46.62	LT	8	
259+29.76	46.57	LT	6	
259+34.07	39.33	LT	10	
259+38.67	33.95	LT	12	
259+38.67	33.95	LT	14	
259+43.72	43.73	LT	6	
259+47.10	40.87	LT	6	
SUBTOTAL NORTHWEST QUADRANT			78	0
257+64.15	60.27	RT	8	
257+68.03	52.41	RT	6	
257+69.43	55.41	RT	6	
257+70.10	56.38	RT	6	
257+73.79	56.72	RT	6	
257+86.59	53.59	RT	12	
257+89.85	50.18	RT	6	
257+96.30	59.16	RT	8	
257+97.00	55.24	RT	8	
258+05.68	53.97	RT	10	
258+07.32	58.26	RT	6	
258+11.40	57.29	RT	6	
258+11.68	57.9	RT	6	
258+15.13	41.59	RT	6	
258+30.16	56.08	RT	6	
258+31.66	58.08	RT	10	
258+39.65	62.65	RT	8	
258+43.01	58.56	RT	12	
258+48.09	54.29	RT	6	
258+50.70	57.93	RT	6	
258+63.30 STUMP	64.11	RT	12	
258+67.18	42.11	RT	8	
258+68.99	63.56	RT	10	
258+69.40	54.57	RT	6	
258+77.62	54.14	RT	10	
258+79.61 STUMP	57.74	RT	10	
258+83.77	46.18	RT	6	
258+83.77	46.18	RT	6	
258+85.17 STUMP	56.53	RT	10	
258+86.51 STUMP	49.42	RT	12	
258+92.81	55.6	RT	8	
258+94	41.2	RT	12	
258+95.51	59.95	RT	10	
259+02.45	66.42	RT	10	
259+06.24	65.69	RT	12	
259+08.88	56.23	RT		16
259+11.75	51.6	RT	14	
259+22.33	49.88	RT	10	
259+22.33	57.79	RT	6	
259+50.61	56.01	RT	6	
259+55.37	40.44	RT	6	
259+62.72	35.57	RT	6	
259+62.72	35.57	RT	8	
259+75.63	43.05	RT	8	
259+82.08	33.45	RT	8	
259+85.11	78.74	RT	10	
SUBTOTAL SOUTHWEST QUADRANT			372	16

TREE REMOVAL SCHEDULE

LOCATION (STATION)	OFFSET	LT/RT	DIAMETER 6-15 (UNITS)	DIAMETER OVER 15 (UNITS)
260+28.65	85.54	RT	8	
260+33.10	86.3	RT		22
260+36.06	87	RT		26
260+53.74	47.14	RT	8	
260+57.50	61.69	RT	12	
260+66.66	57.68	RT	12	
260+67.82	52.84	RT	8	
260+69.48	64.11	RT	12	
260+71.04	42.72	RT	8	
260+76.44	48.37	RT	14	
260+84.60	71.22	RT	6	
260+85.82	64.5	RT	6	
260+86.92	49.43	RT		16
260+91.17	36.27	RT	8	
260+92.42	62.13	RT	6	
260+97.21	40.53	RT	8	
260+99.44	65.78	RT	8	
261+04.47	38.4	RT	10	
261+06.86	43.85	RT	8	
261+06.86	43.85	RT	6	
261+13.62	64.03	RT	10	
261+20.05	43.5	RT	10	
261+26.64	45.14	RT	8	
261+36.98	36.31	RT	6	
261+37.27	45.44	RT	8	
261+41.42	40.19	RT	12	
261+49.47	39.56	RT	6	
261+60.53	39.71	RT	8	
261+73.36	39.31	RT	8	
261+73.36	39.31	RT	8	
SUBTOTAL SOUTHEAST QUADRANT			232	64
260+37.53	76.55	LT	14	
260+37.53	76.55	LT	8	
260+39.89	50.24	LT	6	
260+41.63	25.83	LT	8	
260+44.90	83.49	LT	10	
260+44.90	83.49	LT	8	
260+54.20	29.96	LT	8	
260+55.45	34.8	LT	8	
260+55.45	34.8	LT	6	
260+56.94	40.61	LT	6	
260+57.86	78.94	LT	6	
260+59.70	67.68	LT	10	
260+65.50	32.69	LT	10	
260+70.61	78.37	LT	6	
260+71.44	40.13	LT	8	
260+75.88	55.09	LT	10	
260+75.94	82.94	LT	10	
261+05.47	59.73	LT	8	
261+05.47	59.73	LT	8	
261+06.34	38.71	LT	6	
261+14.08	39.72	LT	6	
261+18.91	61.99	LT	6	
261+23.18	47.75	LT	8	
261+32.23	52.68	LT	12	
261+44.27	50.61	LT	6	
SUBTOTAL NORTHEAST QUADRANT			202	0
TOTALS IL 71			884	80

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

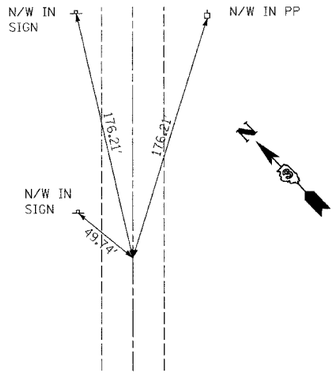
SCHEDULE OF QUANTITIES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LA SALLE COUNTY

SCALE:
DRAWN BY
DATE: 01/13/06
CHECKED BY

PLOT DATE = 04/12/2006
FILE NAME = n:\v8\schedule-of-quantities.dgn
PLOT SCALE = 1.0000 ' / IN.
USER NAME = CFC

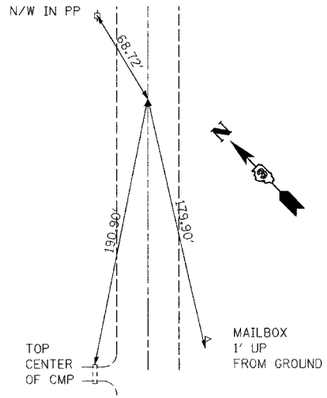
CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5BR-1	LASALLE	32	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



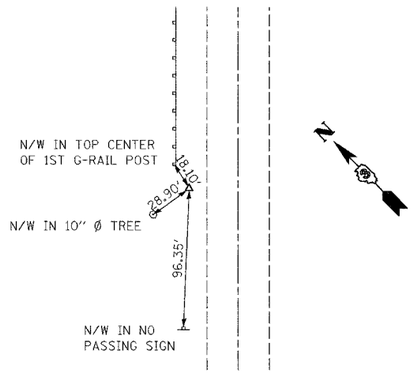
POT STA 255+04.63

FA 97 = IL RT 71



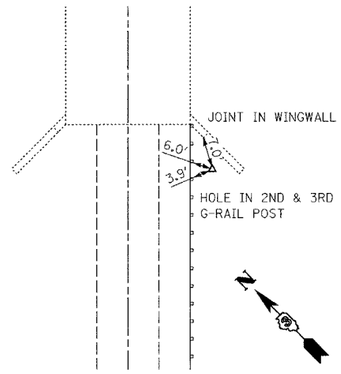
POT STA 265+97.46

FA 97 = IL RT 71



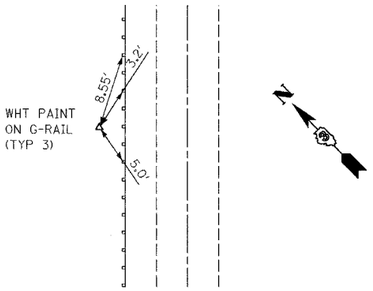
POINT NO 1001

FA 97 (IL 71) STA 257+75.71
20.9' LT



POINT NO 1002

FA 97 (IL 71) STA 259+96.87
21.6' RT



POINT NO 1003

FA 97 (IL 71) STA 260+70.02
21.7' LT

POINT NO 1004

FA 97 (IL 71) STA 261+52.94
22.4' RT

PC STA 0+00.00 (SURVEY) = PC STA 10+00.00 (DESIGN)

CR 22 E (TR 366/E 22ND ST)

PI STA 1+21.65 (SURVEY) = PI STA 8+78.35 (DESIGN)

CR 22 E (TR 366/E 22ND ST)

POINT NO 1000

CR 22 E (TR 366/E 22ND ST)
STA 1+80.51, 15.7' RT (SURVEY) =
STA 8+19.49, 15.7' LT (DESIGN)

PT STA 2+33.00 (SURVEY) = PT STA 7+77.00 (DESIGN)

CR 22 E (TR 366/E 22ND ST)

PLOT DATE = 04/12/2006
FILE NAME = c:\projects\05R025-2\v8\tiesdgn
PLOT SCALE = 50.0000 '/ IN.
USER NAME = CFC

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS NAME	DATE

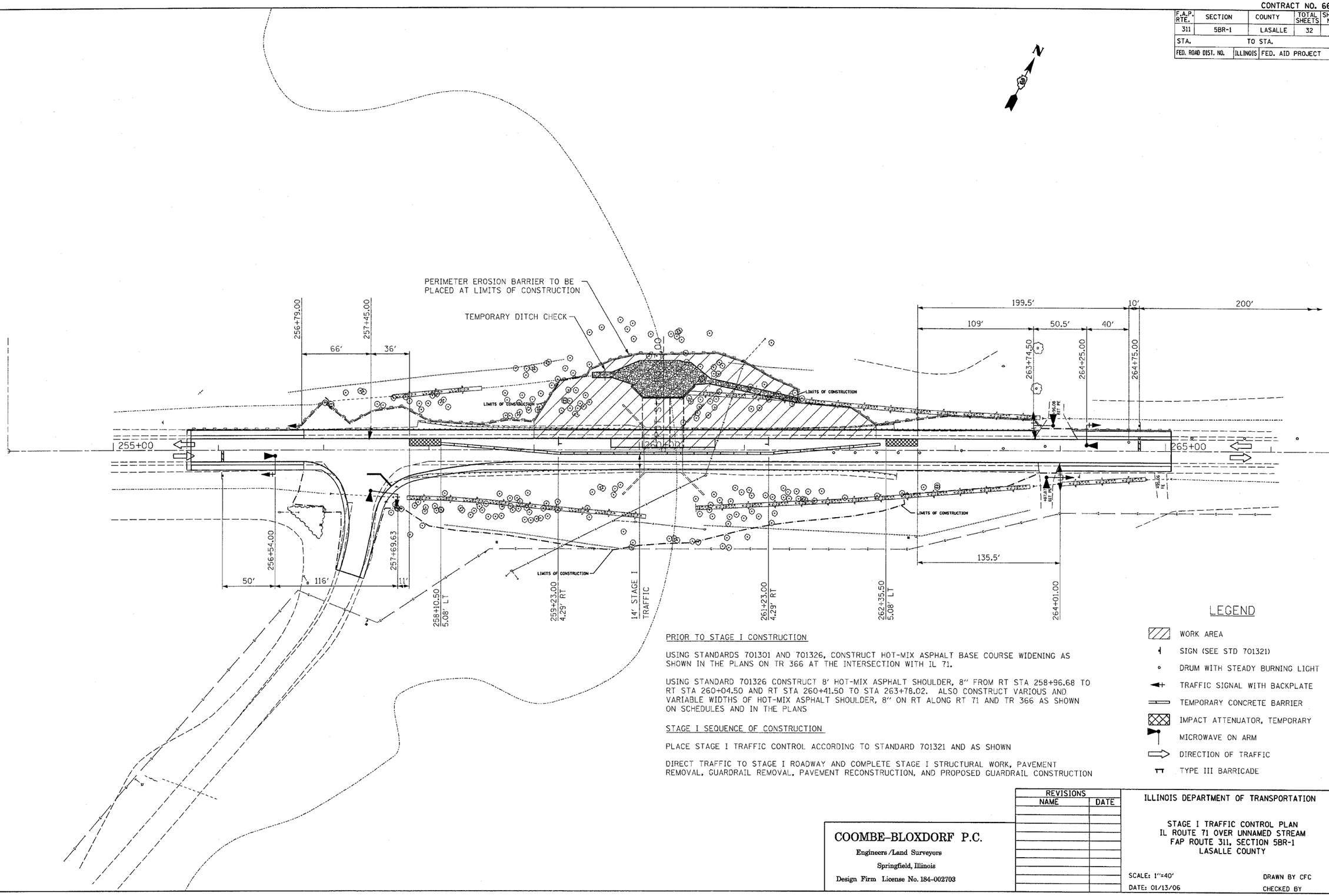
ILLINOIS DEPARTMENT OF TRANSPORTATION

TIES
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5BR-1
LASALLE COUNTY

SCALE: VERT.
HORIZ.
DATE: 01/13/06
DRAWN BY
CHECKED BY

CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5BR-1	LASALLE	32	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PRIOR TO STAGE I CONSTRUCTION

USING STANDARDS 701301 AND 701326, CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING AS SHOWN IN THE PLANS ON TR 366 AT THE INTERSECTION WITH IL 71.

USING STANDARD 701326 CONSTRUCT 8′ HOT-MIX ASPHALT SHOULDER, 8″ FROM RT STA 258+96.68 TO RT STA 260+04.50 AND RT STA 260+41.50 TO STA 263+78.02. ALSO CONSTRUCT VARIOUS AND VARIABLE WIDTHS OF HOT-MIX ASPHALT SHOULDER, 8″ ON RT ALONG RT 71 AND TR 366 AS SHOWN ON SCHEDULES AND IN THE PLANS

STAGE I SEQUENCE OF CONSTRUCTION

PLACE STAGE I TRAFFIC CONTROL ACCORDING TO STANDARD 701321 AND AS SHOWN

DIRECT TRAFFIC TO STAGE I ROADWAY AND COMPLETE STAGE I STRUCTURAL WORK, PAVEMENT REMOVAL, GUARDRAIL REMOVAL, PAVEMENT RECONSTRUCTION, AND PROPOSED GUARDRAIL CONSTRUCTION

LEGEND

- WORK AREA
- SIGN (SEE STD 701321)
- DRUM WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL WITH BACKPLATE
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY
- MICROWAVE ON ARM
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

REVISIONS

NAME	DATE

COOMBE-BLOXDORF P.C.
Engineers/Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I TRAFFIC CONTROL PLAN
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311, SECTION 5BR-1
LASALLE COUNTY

SCALE: 1″=40′ DRAWN BY CFC
DATE: 01/13/06 CHECKED BY

PLOT DATE = 7/25/2007
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PLOT SCALE = 50.0000 '/ IN.
USER NAME = duncanbd

CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5BR-1	LASALLE	32	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

WIDTH RESTRICTION SIGNING:

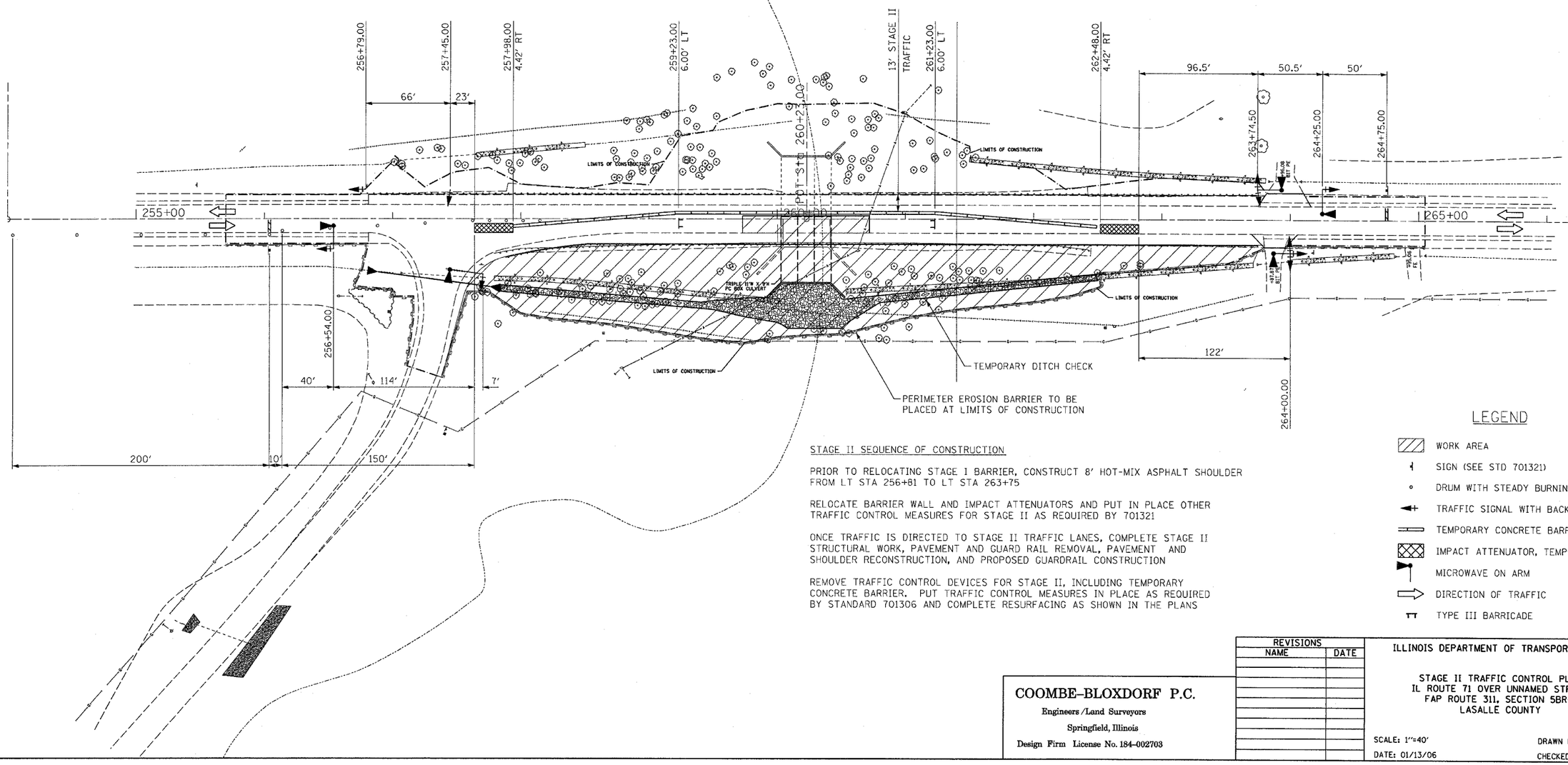
WIDTH RESTRICTION SIGNING SHALL BE PLACED SOUTH OF THE I-80 INTERSECTION AND NORTH OF THE US ROUTE 52 INTERSECTION WITH IL ROUTE 71. WIDTH RESTRICTION SHALL BE SHOWN AS 11'-6" IN STAGE II AND IS NOT REQUIRED FOR STAGE I.

WIDTH RESTRICTION SIGNING SHALL BE INCLUDED IN THE COST OF STD. 701321.

NOTES:

SEE STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL MEASURES NOT PICTURED

THE PLACEMENT OF TEMPORARY CONCRETE BARRIERS, IMPACT ATTENUATORS AND TEMPORARY SIGNALS ARE AS SHOWN. REMAINING TRAFFIC CONTROL ITEMS SHALL BE PLACED PER STANDARD 701321



STAGE II SEQUENCE OF CONSTRUCTION

PRIOR TO RELOCATING STAGE I BARRIER, CONSTRUCT 8' HOT-MIX ASPHALT SHOULDER FROM LT STA 256+81 TO LT STA 263+75

RELOCATE BARRIER WALL AND IMPACT ATTENUATORS AND PUT IN PLACE OTHER TRAFFIC CONTROL MEASURES FOR STAGE II AS REQUIRED BY 701321

ONCE TRAFFIC IS DIRECTED TO STAGE II TRAFFIC LANES, COMPLETE STAGE II STRUCTURAL WORK, PAVEMENT AND GUARD RAIL REMOVAL, PAVEMENT AND SHOULDER RECONSTRUCTION, AND PROPOSED GUARDRAIL CONSTRUCTION

REMOVE TRAFFIC CONTROL DEVICES FOR STAGE II, INCLUDING TEMPORARY CONCRETE BARRIER. PUT TRAFFIC CONTROL MEASURES IN PLACE AS REQUIRED BY STANDARD 701306 AND COMPLETE RESURFACING AS SHOWN IN THE PLANS

LEGEND

- WORK AREA
- SIGN (SEE STD 701321)
- DRUM WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL WITH BACKPLATE
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY
- MICROWAVE ON ARM
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PLOT DATE = 7/25/2007
FILE NAME = c:\projects\sp81084\consult\roadway\final\roadway\traffic control\ill71.dgn
PLOT SCALE = #SCALE#
USER NAME = duncanbd

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II TRAFFIC CONTROL PLAN
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311, SECTION 5BR-1
LASALLE COUNTY

SCALE: 1"=40'
DATE: 01/13/06
DRAWN BY CFC
CHECKED BY

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	12
STA. 255+00.00		TO STA. 261+40.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GRAPHIC SCALE
METERS 4 0 4 8 12 16 20
FEET 10 0 10 20 30 40 50

NOTE A:

ALL TREES WITHIN CONSTRUCTION LIMITS ARE TO BE REMOVED UNLESS DESIGNATED WITH A CIRCLE ON THE PLAN SHEET AND NOTED IN THE TREE TRUNK PROTECTION SCHEDULE.

PAVEMENT REMOVAL LEGEND
- PAVEMENT REMOVAL
- REMOVAL OF EXISTING STRUCTURES STA 260+04.5 TO STA 260+41.5

PR PAVEMENT WIDENING TO BE CONST. AS HMA SURF CSE, 1 1/2 " ON HMA BASE CSE, 11 3/4 " ON 4" SUBBASE GRN MTL, TY A

PR HMA SURFACE REM, 3/4 " PR LVL BINDER, 3/4 " PR HMA SURFACE CSE, 1 1/2 " SEE MIX TABLE & SCHEDULE FOR DETAILS

STA 260+23 (0° SKEW) PR TRIPLE 11'X9'X100' BOX CULVERT (PRECAST W/CAST-IN-PLACE HOWLS.) PR SN 050-2043, SEE STRUCTURE PLANS EX BRIDGE (SN 050-0067) TO BE REMOVED

PR STONE DUMPED RIPRAP CL A4 W/ FILTER FABRIC & 6" BEDDING MATERIAL

PR HMA SURFACE CSE, 1 1/2 " ON HMA BIND CSE, 11 3/4 " ON 4" SUBBASE GRAN MTL, TY A

℄ IL 71 STA 257+45.00
℄ E. 22nd RD STA 10+00.00

BEGIN PROJECT PR BUTT JOINT STA 255+74

ILLINOIS ROUTE 71

PR 3' HMA SHLD — PR 5' AGG SHLD — PR 8' HMA SHLD

LIMITS OF CONSTRUCTION

EXIST. R.O.W.

REMOVE EX PAVED DITCH

PR SPBGR TY A & TY 1 (SP) TERM SECTIONS SEE SCHEDULE FOR DETAILS

AERIAL POWER LINE

STA 260+72 END RECONSTRUCTION BEGIN MILLING/RESURFACING

STA 259+73 END MILLING/RESURFACING BEGIN RECONSTRUCTION

N 63° 20' 10" E

MATCHLINE STA 261+40

30' RAMP

REMOVE EX CULVERT

TR 366 STA 9+46.81 TO STA 9+60.64 PR PAVEMENT REMOVAL AND PATCH SEE SCHEDULES FOR DETAILS

STA 9+51.85 (TR 366) PR 36" RCCP W/ PRCFES & GRATING 61.52 LT USFL=609.63; 42.77 RT DSFL=608.59

6' HMA SHOULDER

REMOVE EX PAVED DITCH

REMOVE EX SPBGR

REMOVE EX FENCE

40' R - 100' R 8' OFFSET

50' R - 500' R 11' OFFSET

EXIST. CURVE TR366-1
PI STA. = 8+58.26
Δ = 32° 03' 11" (LT)
D = 24° 30' 00"
R = 233.86'
T = 67.18'
L = 130.83'
E = 9.46'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 7+91.09
P.T. STA. = 9+21.92

IL 71/TR 366 INTERSECTION LAYOUT

PT	STA	OFFSET	ELEV
A	IL 71 STA 256+81.18	11' RT	617.266
B	IL 71 STA 257+19.13 TR 366 STA 9+58.59	38.35' RT 23.45' LT	616.339
C	TR 366 STA 9+06.59	10' LT	616.361
D	TR 366 STA 9+40.00	12.15' RT	616.323
E	TR 366 STA 9+79.43 IL 71 STA 257+86.8	42.53' RT 23.22' RT	616.376
F	IL 71 STA 258+96.68	11' RT	617.415

30' RAMP — CURVE TR366-1 — 20:1 SHLDR TAPER — 4' HMA SHLDR

BEGIN PROJECT (TR 366) PR BUTT JOINT STA 8+79

BURIED 6"Ø HP GAS LINE

PT Sta 9+21.92

EXIST. R.O.W. LINE

PR STONE DUMPED RIPRAP CL A4 W/ FILTER FABRIC & 6" BEDDING MATERIAL

LIMITS OF CONSTRUCTION

14-22-200-004 CARL HARVEY GEORGIALE HARVEY

14-23-100-002 SALLY P. PELLING

E 1/4 SEC22 T34N-R4E

BM #101 RR SPIKE IN PP ON SE CORNER OF IL 71 AND E22 RD ELEV = 617.41

BM #100 CHISELED SQUARE ON SW WINGWALL ELEV = 618.17

PR 36" DIA. RCCP W/ 2 PRCFES 1.01% -1.01% -6.20% -10.41%

+00.00 EL. 607.59

+80.49 609.63

+83.38 608.59

+00.00 EL. 617.61

+10.00 EL. 617.76

+20.00 EL. 620.10

0.132% 2.127%

PROPOSED TRIPLE 11' WIDE BY 9' HIGH CONC. BOX CULVERT

+02.98 595.003

+03.73 594.00

+55.28 599.07

+41.18 595.003

+41.67 594.00

+14.78% +9.97% +9.97%

SD RT — SD LT

Sx = 0.55
K = 110
220.00' V.C.

255+00	255+50	256+00	256+50	257+00	257+50	258+00	258+50	259+00	259+50	260+00	260+50	261+00
618.04	617.93	617.83	617.72	617.64 / 617.68	617.56 / 617.67	617.50 / 617.62	617.44 / 617.56	617.37 / 617.49	617.31 / 617.43	617.25 / 617.37	617.22 / 617.36	617.25 / 617.37	617.30 / 617.42	617.35 / 617.47	617.40 / 617.52	617.41 / 617.53	617.41 / 617.54	617.42 / 617.54	617.43 / 617.55	617.48 / 617.61	617.54 / 617.65	617.64 / 617.74	617.74 / 617.85	617.90 / 618.01	618.05 / 618.22	594.90 / 618.42	607.12 / 618.68	618.86 / 618.98	619.20 / 619.32	619.55 / 619.69	619.96 / 620.10	620.40 / 620.53

STA 255+00 TO STA 261+40

PLAN: SURVEYED — DATE; DRAWN — BY; CHECKED; QUANTITIES CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; 2000 FILE NAME; NOTE BOOK; NO.

PROFILE: SURVEYED — DATE; DRAWN — BY; CHECKED; GRADES CHECKED; E.N. NOTES; STRUCTURE NOTATIONS CHKD; NOTE BOOK; NO.

DATE-TIME
c:\projects\sp0180\consult\cadd\final\roadway\plan-profile.dgn

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	13
STA. 261+40.00		TO STA. 266+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE B:
CONSTRUCT TRANSITION OF STONE DUMPED RIPRAP
TO EXISTING PAVED DITCH IN 10 FT.
COST INCLUDED IN STONE DUMPED RIPRAP CL A4.

GRAPHIC SCALE
METERS 4 0 4 8 12 16 20
FEET 10 0 10 20 30 40 50

14-23-100-007
CARL HARVEY
GEORGIALE HARVEY

REMOVE EX FENCE

PR STONE DUMPED RIPRAP CL A4
W/ FILTER FABRIC & 6" BEDDING
MATERIAL

EXIST. R.O.W.

LIMITS OF CONSTRUCTION

EXIST. R.O.W. LINE

MATCHLINE STA 261+40

+96.08 BIT PE

PR 3' HMA SHLD

PR 5' AGG SHLD

30' RAMP

END PROJECT
PR BUTT JOINT
STA 265+05

POT Sta 267+00.00

PR 8' HMA SHLD

BUTT JOINT

262 263 264 265+00 266

22'

11'

11'

PR 8' HMA SHLD

BUTT JOINT

PR SPBGR TY A & TY 1 (SP) TERM SECTIONS
SEE SCHEDULE FOR DETAILS

+87.87 BIT PE

795.06 FE

EXIST. R.O.W. LINE.

LIMITS OF CONSTRUCTION

REMOVE EX FENCE

EXIST. R.O.W.

EXIST. R.O.W. LINE

BURIED 6"Ø HP GAS LINE

PR STONE DUMPED RIPRAP CL A4
W/ FILTER FABRIC & 6" BEDDING
MATERIAL

626
622
618
614
610
606

+50.00
610.02
SD LT

+14.79%

+50.00
605.856

+6.02%

SD RT

611.88

626.77

261+50	262+00	262+50	263+00	263+50	264+00	264+50	265+00	265+50
620.82 / 620.95	621.25 / 621.37	621.67 / 621.79	622.09 / 622.22	622.50 / 622.64	622.91 / 623.05	623.33 / 623.47	623.76 / 623.89	624.09 / 624.22
624.42 / 624.54	624.75 / 624.88	625.08 / 625.21	625.41 / 625.54	625.68 / 625.80	625.94 / 626.06	626.21 / 626.33	626.47 / 626.56	626.73 / 626.73
626.97	627.13	627.28	627.44					

STA 261+40 TO STA 266+00

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
GRADES CHECKED
CADD FILE NAME

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
MATERIAL
STRUCTURE NO(S)/NS CHKD

DATE
BY

"DATE-TIME"
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RECORDED AS DOCUMENT NO.

CONTRACT 66489

32 | 13A + 1sh.

N.E. 1/4 OF SEC. 22, T.34N., R.4E. OF THE 3RD P.M.

N.W. 1/4 OF SEC. 23, T.34N., R.4E. OF THE 3RD P.M.

S.E. 1/4 OF SEC. 22, T.34N., R.4E. OF THE 3RD P.M.

S.W. 1/4 OF SEC. 23, T.34N., R.4E. OF THE 3RD P.M.

PARCEL 3TU0001

CARL HARVEY, et ux.

TOTAL HOLDING	=	76.233 AC.±
TOTAL R.O.W. REQUIRED	=	0.012 AC.± (522 Sq Ft.±)
REMAINDER	=	76.221 AC.±

PARCEL 3TU0003

JANET HEERMANN

TOTAL HOLDING	=	94.789 AC.±
TOTAL R.O.W. REQUIRED	=	0.003 AC.± (128 Sq Ft.±)
REMAINDER	=	94.786 AC.±

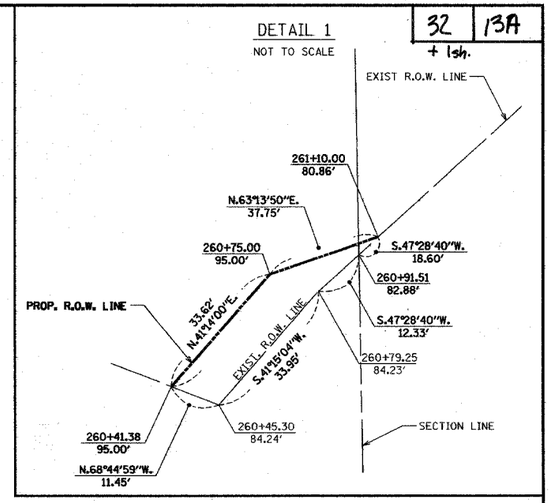
PARCEL	POINT TO POINT	BEARING	DISTANCE
3TU0003	2 TO 3	S.50°38'39"W.	36.67'
	3 TO 1	N.41°15'04"E.	42.72'
	1 TO 2	S.1°11'28"E.	8.87'

PARCEL 3TU0002

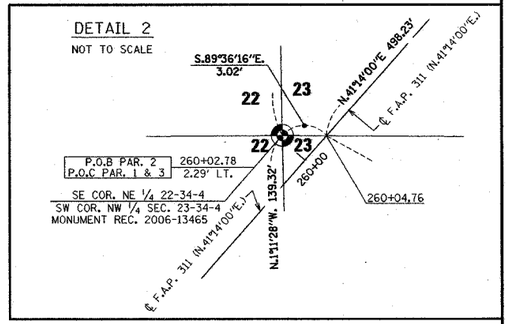
SALLY P. PELLING, TRUSTEE

TOTAL HOLDING	=	82.802 AC.±
TOTAL R.O.W. REQUIRED	=	0.973 AC.±
AREA IN EXIST. R.O.W.	=	0.921 AC.±
NET R.O.W. REQUIRED	=	0.052 AC.±
REMAINDER	=	81.829 AC.±

DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE



NOTE: ALL BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (N.A.D. 83)

SCALE 1" = 50'

0' 25' 50' 75' 100' 150' 200'

I VINCENT D. BRANDOW, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 311 (ILL. RTE. 71) WAS MADE BY RENWICK & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

VINCENT D. BRANDOW 35.2655 REGISTERED LAND SURVEYOR OF STATE OF ILLINOIS

DATE: 6-26-06

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2655

11-30-08
EXPIRATION DATE

SURVEY BOOK NO. FAP 311-10-1

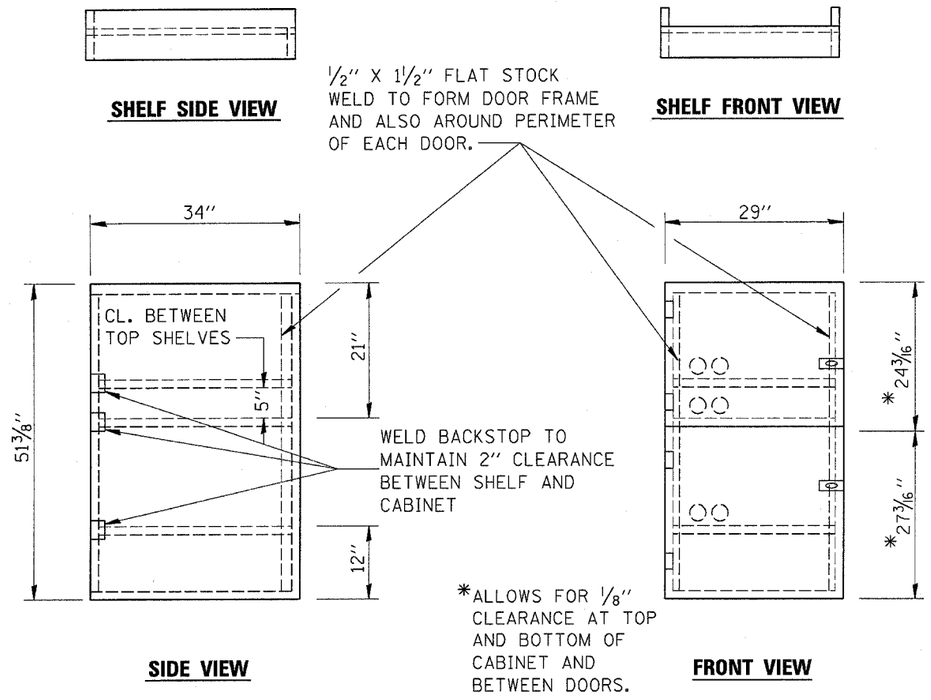
REV. 2/06/07 - PARCEL 3TU0002 AREA

RIGHT OF WAY PLANS

ROUTE	F.A.P. 311 (IL RTE. 71)
SECTION	5BR-1
PROJECT	
COUNTY	LASALLE
JOB NUMBER	R-93-010-05
STATION	255+00 TO 265+00
SHEET	1 OF 1 SCALE 1"=50'

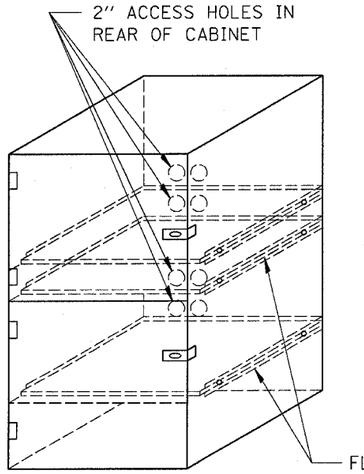
CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

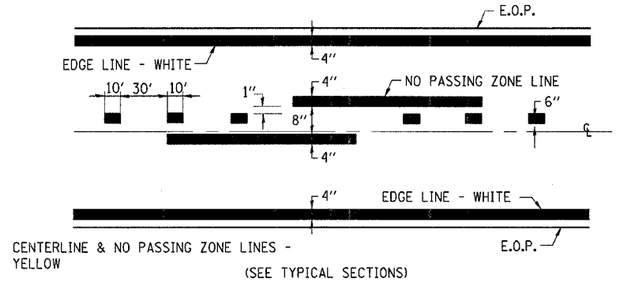


NOTES:

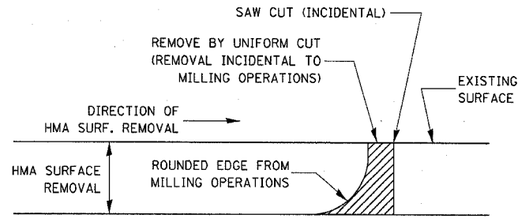
1. USE 16 GAUGE STEEL FOR CABINET.
2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
4. ALL EDGES SHALL BE GROUND SMOOTH.
5. TWO (2" DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 4"X4" SQUARE CORNER HINGES TO BE WELDED ON.
9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 7 1/4" HASPS TO BE WELDED ON.



LOCKABLE COMPUTER CABINET

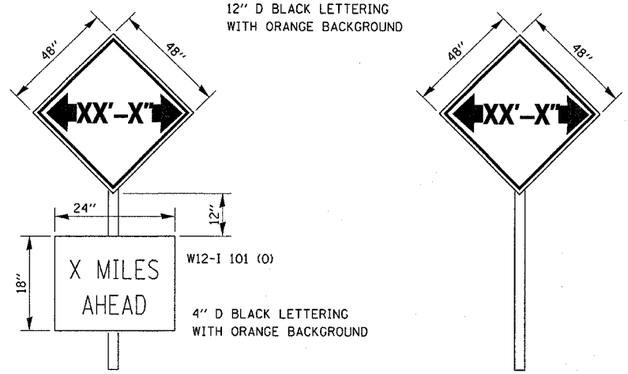


PAVEMENT MARKING



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



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

THE ENGINEER WILL NOTIFY DISTRICT 3 BUREAU OF OPERATIONS 14 CALENDAR DAYS PRIOR TO INSTALLING ANY TRAFFIC CONTROL DEVICES THAT WILL RESTRICT THE PAVEMENT WIDTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO MEET THIS REQUIREMENT.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS

REVISIONS NAME	DATE
BDD	4/11/07

COOMBE-BLOXDORF P.C.
Engineers /Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

ILLINOIS DEPARTMENT OF TRANSPORTATION

STANDARD DETAILS
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LASALLE COUNTY

SCALE:
DATE: 01/13/06
DRAWN BY
CHECKED BY

PLOT DATE = 4/20/2007
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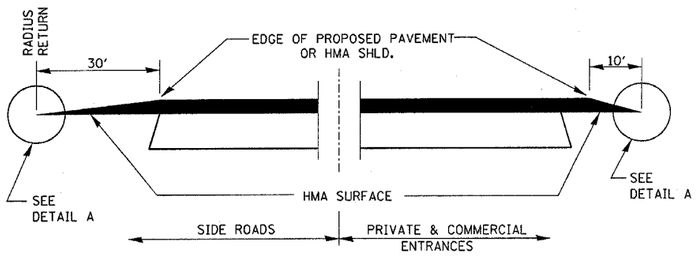
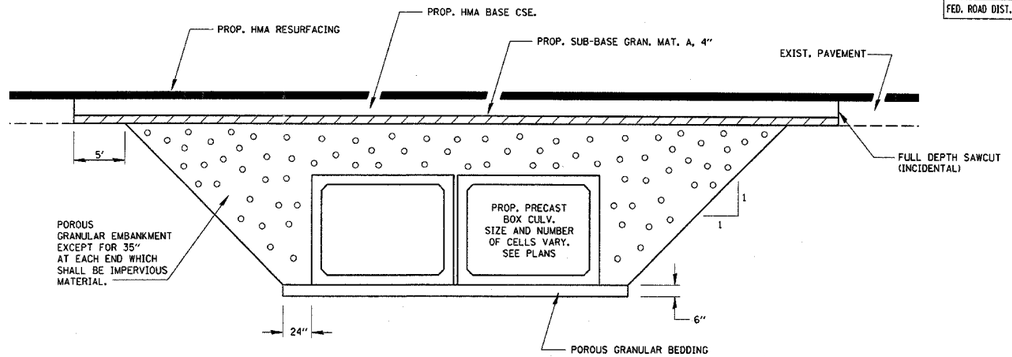
CONTRACT NO. 66449

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



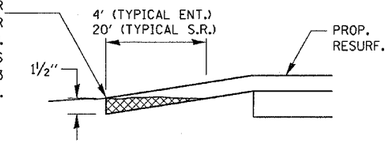
SECTION A-A

DETAILS AT ENTRANCES & SIDE ROADS

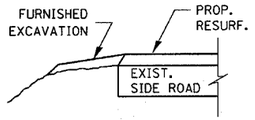


SECTION THROUGH PRECAST BOX CULVERT

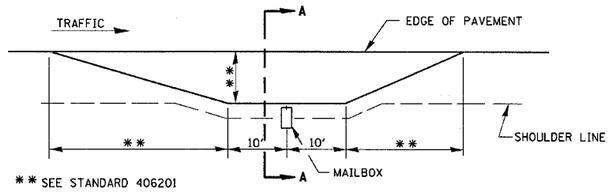
THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



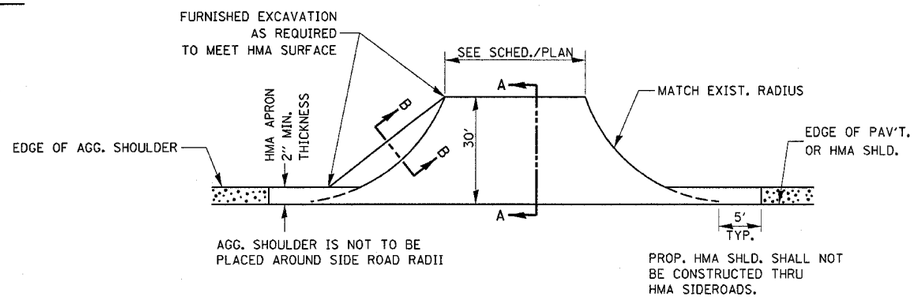
DETAIL A



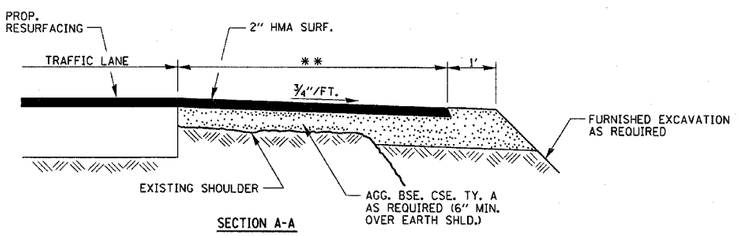
SECTION B-B



** SEE STANDARD 406201

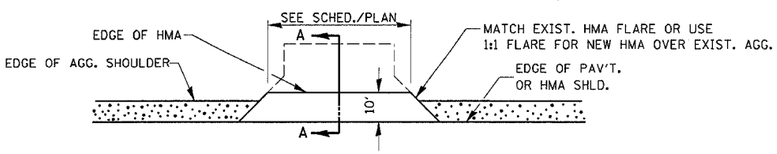


PLAN AT SIDE ROADS



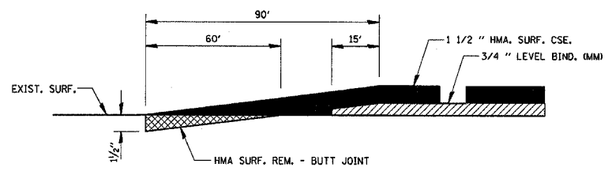
SECTION A-A

MAILBOX TURNOUT DETAILS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)



BUTT JOINT DETAIL

REVISIONS	
NAME	DATE
BDD	4/11/07

COOMBE-BLOXDORF P.C.
Engineers /Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

ILLINOIS DEPARTMENT OF TRANSPORTATION

STANDARD DETAILS
IL ROUTE 71 OVER UNNAMED STREAM
FAP RT 311, SECTION 5 BR-1
LASALLE COUNTY

SCALE:
DATE: 01/13/06
DRAWN BY
CHECKED BY

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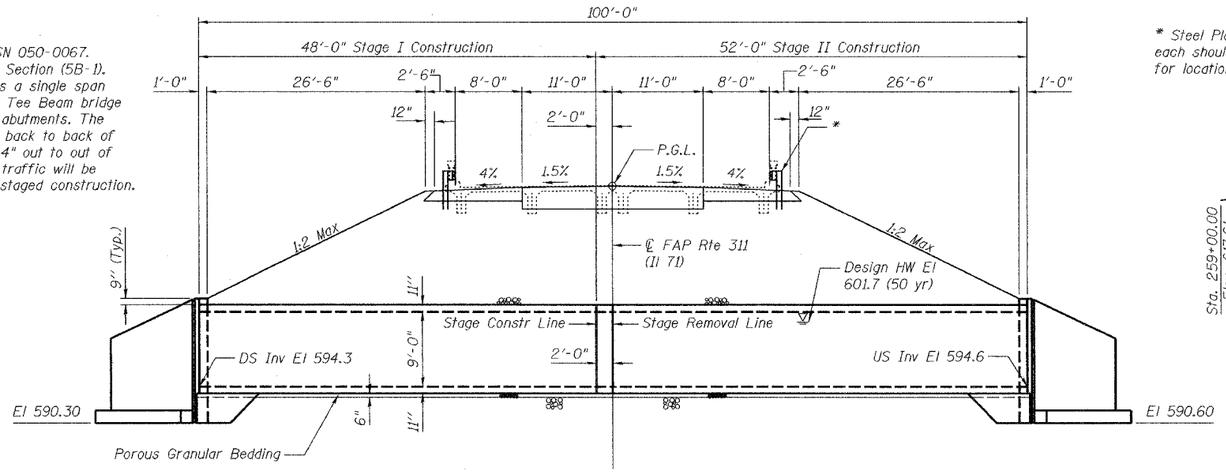
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
8 SHEETS

Contract #66449

Existing Structure: SN 050-0067. Built in 1942 under Section (5B-1). Existing structure is a single span reinforced concrete Tee Beam bridge on closed concrete abutments. The structure is 38'-0" back to back of abutments and 40'-4" out to out of deck. One lane of traffic will be maintained utilizing staged construction.

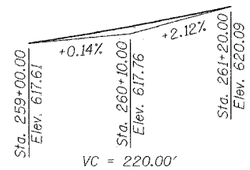
No Salvage.



LONGITUDINAL SECTION

(Looking North)

* Steel Plate Beam Guardrail Typ each shoulder. See Roadway Plans for location and quantities.

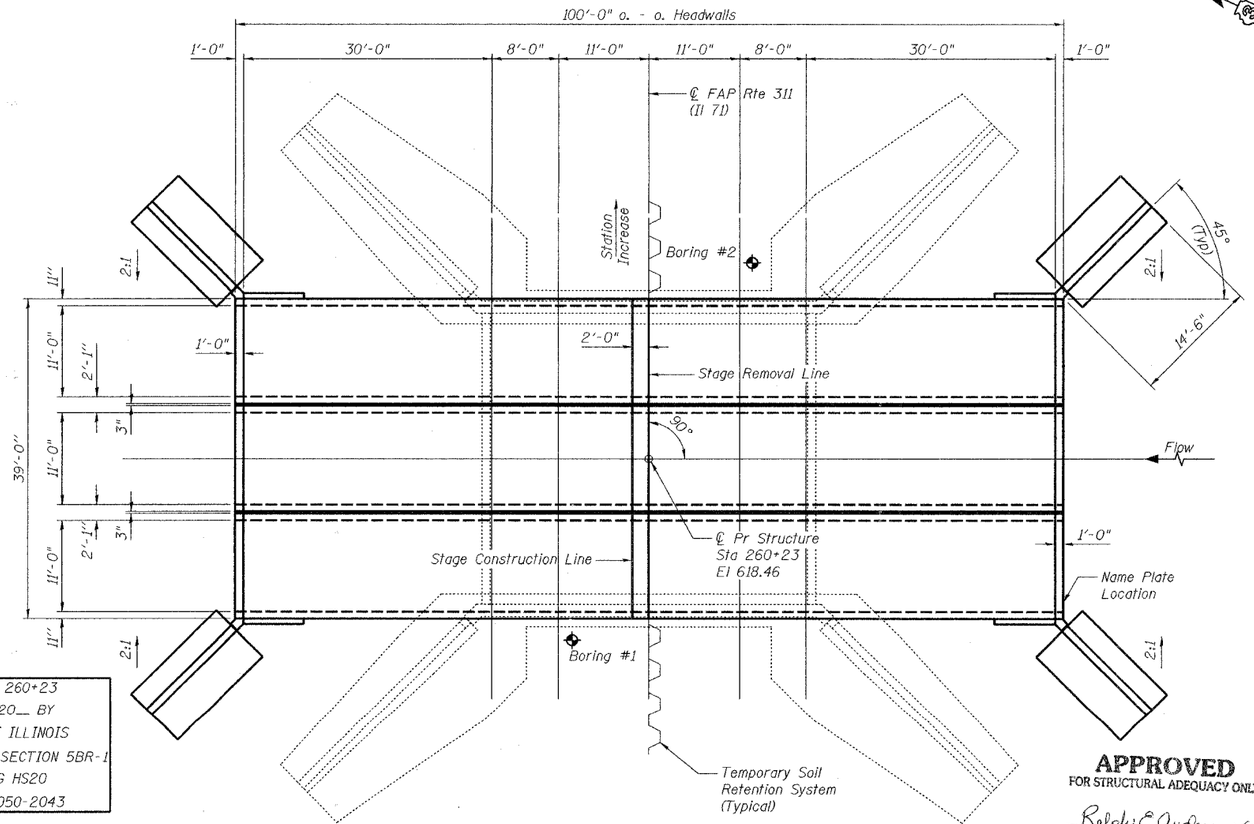


PROFILE GRADE

℄ Roadway

GENERAL NOTES

1.) Layout Of Riprap May Be Varied In The Field To Suit Ground Conditions As Directed By The Engineer.
2.) Cast-In-Place Concrete Exposed Edges Shall Be Beveled $\frac{3}{4}$ in.
3.) Class SI Copncrete Shall Be Used Throughout.
4.) Reinforcement Bars Shall Conform To The Requirements of AASHTO M31, or M322, Grade 60.
5.) Reinforcement Bars Designated (E) Shall Be Epoxy Coated.
6.) Bars Indicated Thus, 4x2-#5 Etc., Indicates 4 Lines Of Bars With 2 Lengths Per Line.
7.) It Shall Be The Responsibility Of The Contractor To Divert The Stream Flow During Construction In Order To Keep The Construction Area Free Of Water. The Method Of Water Diversion Shall Be Subject To The Approval Of The Engineer And The Cost Shall Be Included With The Cost of "Concrete Box Culverts"
8.) See Sheets 7 & 8 For Boring Data.
9.) Excavation Behind Existing Abutment Walls Shall Be Done Before Removing The Existing Superstructure. The Contractor Shall Sawcut The Existing Abutment Walls At The Stage Removal Line Before Stage I Removal.
10.) Structural Seal Is For Cast-In-Place Portion Of Structure Only.
11.) Precast Concrete Box Culvert Sections Shall Conform To The Requirements Of Article 540.06 Of The Standard Specifications And The Applicable Requirements Of AASHTO M 259.
12.) For Backfilling And Embankment, See Standard Specifications
13.) Outside End of Precast Sections Shall Not Have A Bell Or Spigot.
14.) The End Sections and Wingwalls Shall Be Cast-In-Place.
15.) Lifting Holes Shall Be Filled With Concrete Plugs And Mastic After Box Sections Are In Place.
16.) For Riprap Layout and Quantities See Roadway Plans.



Plan

STATION 260+23
BUILT 20__ BY
STATE OF ILLINOIS
FAP ROUTE 311 SECTION 5BR-1
LOADING HS20
STR. NO. 050-2043

NAME PLATE

See Std. 515001

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST UNITS
f'_c = 5,000 psi
f_y = 65,000 psi (Welded Wire Fabric)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Temporary Soil Retention System	Sq Ft	838
Concrete Box Culverts	Cu Yd	66.4
Reinforcement Bars, Epoxy Coated	Pound	1360
Reinforcement Bars	Pound	3580
Name Plates	Each	1
Precast Concrete Box Culvert 11' x 9'	Foot	300
Geotextile Retaining Wall	Sq Ft	578

WATERWAY INFORMATION

Drainage Area = 3.0 mi^2 Low Grade Elev. 617.35 @ Sta. 257+00

Flood	Freq. Yr.	Q ft^3/s	Opening-ft^2 Exist.	Opening-ft^2 Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	461	158	208	600.9	0.0	0.0	600.9	600.9
Design	50	712	186	234	601.7	0.0	0.0	601.7	601.7
Base	100	816	196	244	602.0	0.0	0.0	602.0	602.0
Overtopping		-	-	-	-	-	-	-	-
Max. Calc.	500	1062	210	257	602.4	0.0	0.0	602.4	602.4

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E Anderson (JJD)
ENGINEER OF BRIDGES AND STRUCTURES

LICENSED STRUCTURAL ENGINEER
MARY COOMBE
BLOXDORF
4859
SPRINGFIELD
STATE OF ILLINOIS

Illinois Structural No. 4859
Expires 11-30-2006
Date: 4/12/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
GENERAL PLAN AND ELEVATION

PROJECT
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY TFG/CFC
CHECKED BY KPS/MCB
DRAWING NO. 1 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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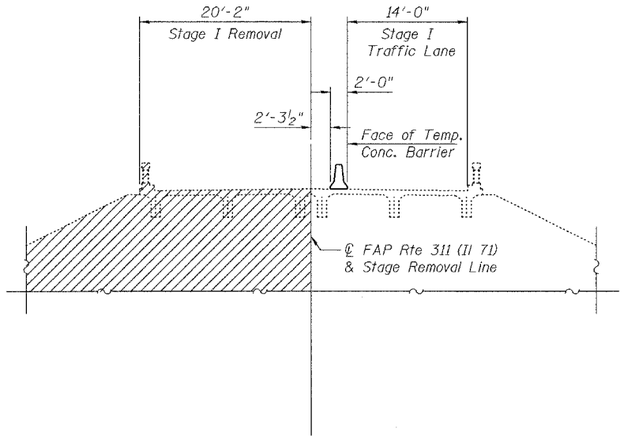
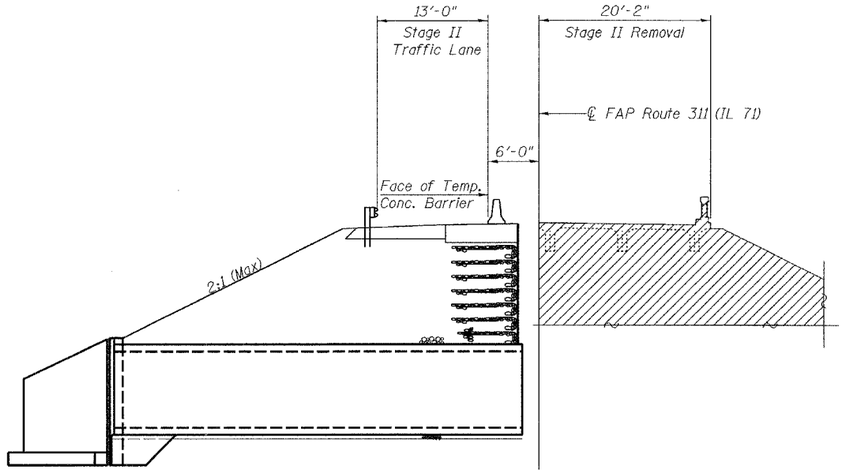
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 2
8 SHEETS

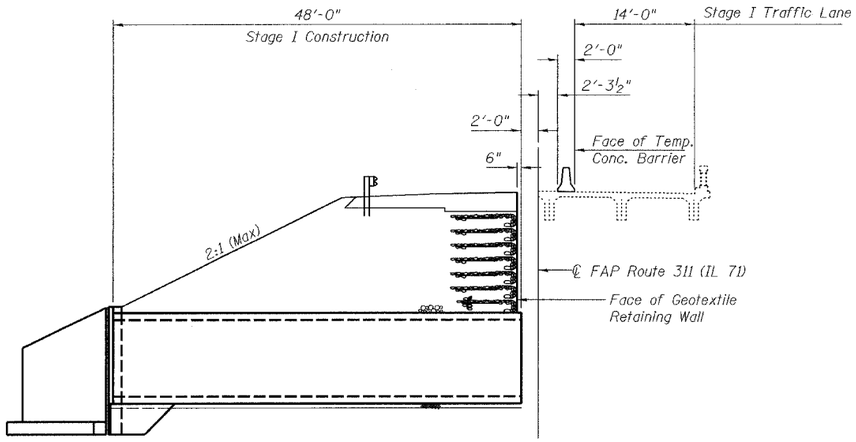
Contract #66449



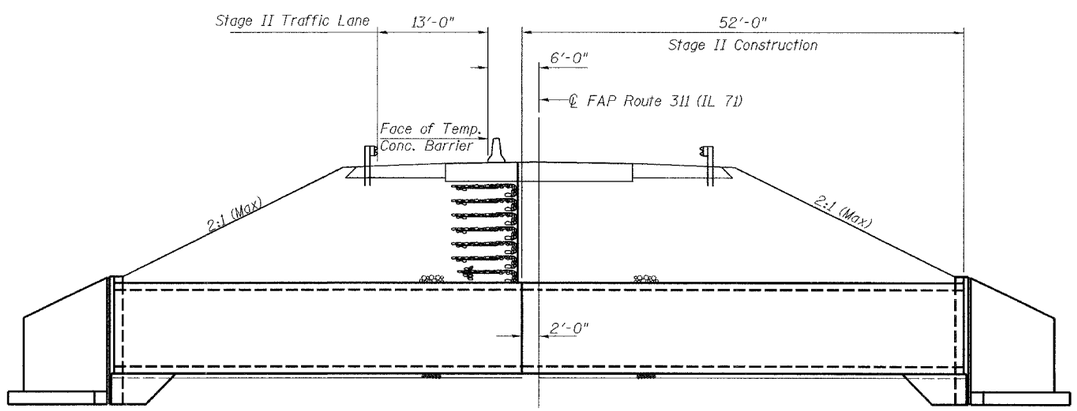
STAGE I REMOVAL ELEVATION
(Looking North)



STAGE II REMOVAL ELEVATION
(Looking North)



STAGE I CONSTRUCTION ELEVATION
(Looking North)



STAGE II CONSTRUCTION ELEVATION
(Looking North)

NOTES

1) Hatched area indicates "Removal of Existing Structures", Removal of Existing Bituminous Wearing Surface. Existing Concrete Bridge Rail and Steel Guardrail is included in the cost of "Removal of Existing Structures".
2) For Temporary Concrete Barrier, see Standard 704001 and Sheet 4 of 8.
3) For Temporary Soil Retention System and Geotextile Retaining Wall, see sheet 3 of 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
STAGE CONSTRUCTION DETAILS

PROJECT
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY CFC
CHECKED BY KPS/MCB
DRAWING NO. 2

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

OF 8 SHTS

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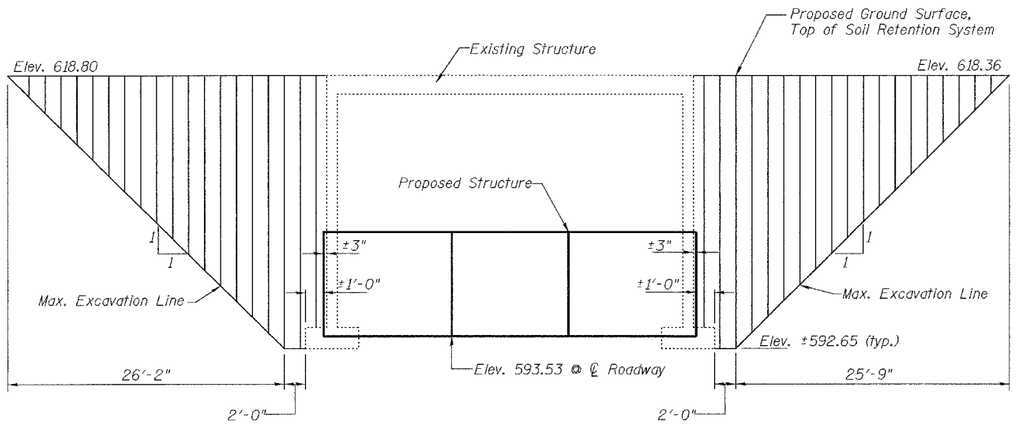
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

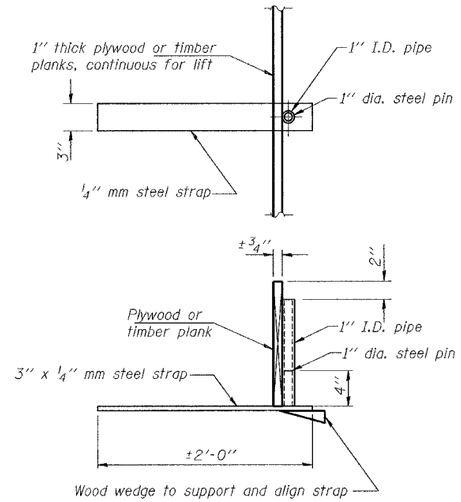
SHEET NO. 3
8 SHEETS

Contract #66449



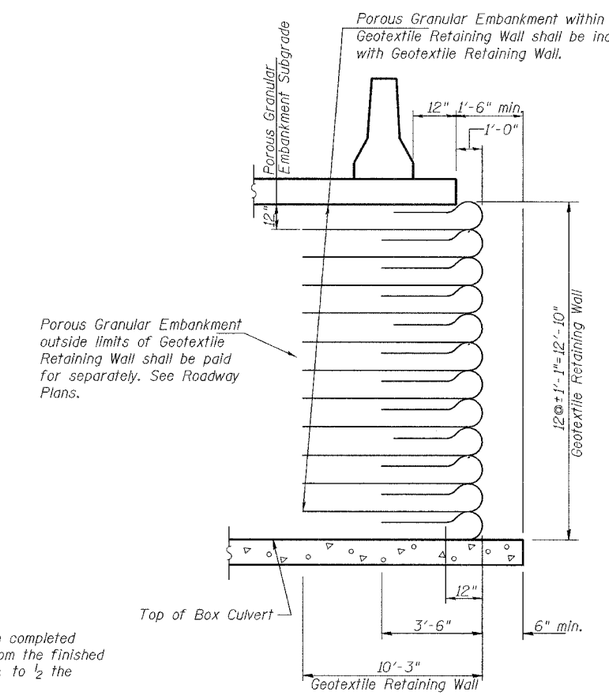
TEMPORARY SOIL RETENTION SYSTEM

Note: A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

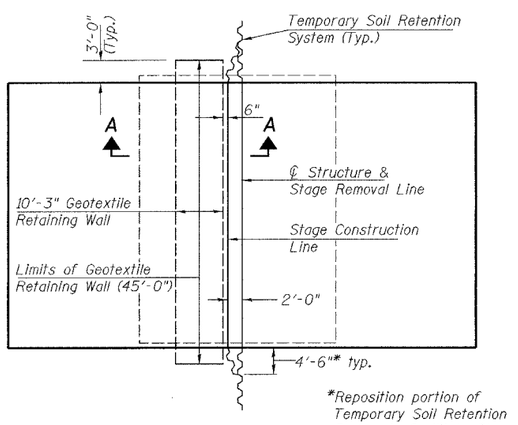


SUGGESTED GEOTEXTILE TEMPORARY FORM BRACE SYSTEM DETAIL

Note:
This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

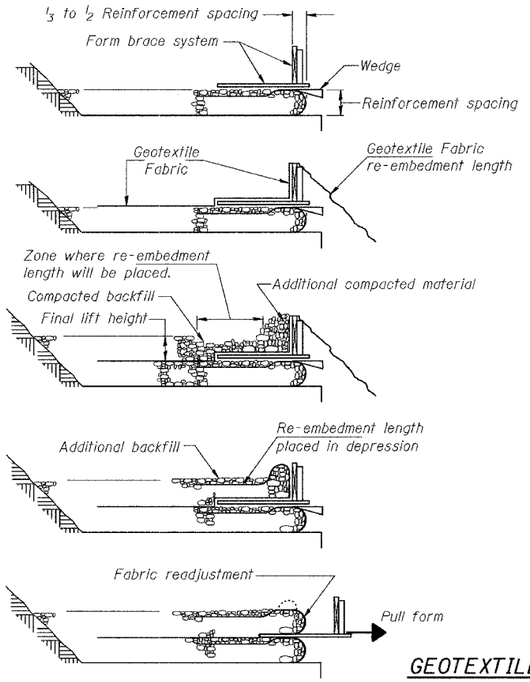


SECTION A-A THRU GEOTEXTILE RETAINING WALL



*Reposition portion of Temporary Soil Retention System to facilitate Stage II construction

PLAN STAGE CONSTRUCTION



1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of 1/3 to 1/2 the reinforcement spacing.
2. Position fabric so that the required re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact backfill material in lifts to final lift height, create (±3") depression in zone where re-embedment length will be located and place additional height of compacted material against form brace.
4. Fold fabric re-embedment length back over form brace into zone where depression was made in backfill and place additional compacted backfill, (±3") to embed fabric and bring to final lift height.
5. Pull form brace outward allowing fabric face to slightly readjust to form tight round face and level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION PROCEDURE

Notes: The geotextile fabric shall have a minimum allowable tensile strength (T min.) of 54 lb./in. as determined by the procedure stated in the Special Provisions. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: CULVERT DETAILS

PROJECT: IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY TFG/CFC
CHECKED BY KPS/MCB
DRAWING NO. 3 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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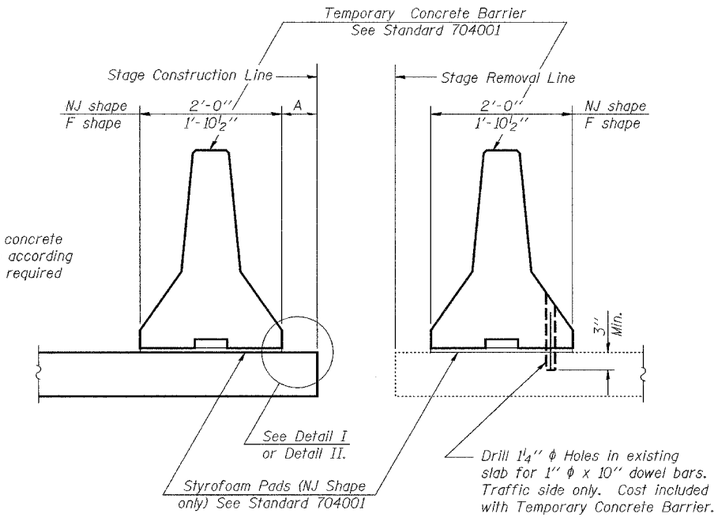
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4
8 SHEETS

Contract #66449



When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NEW SLAB

EXISTING SLAB

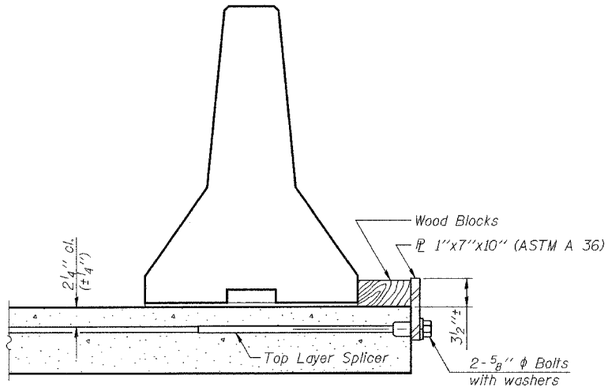
SECTIONS THRU SLAB

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel ℙ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

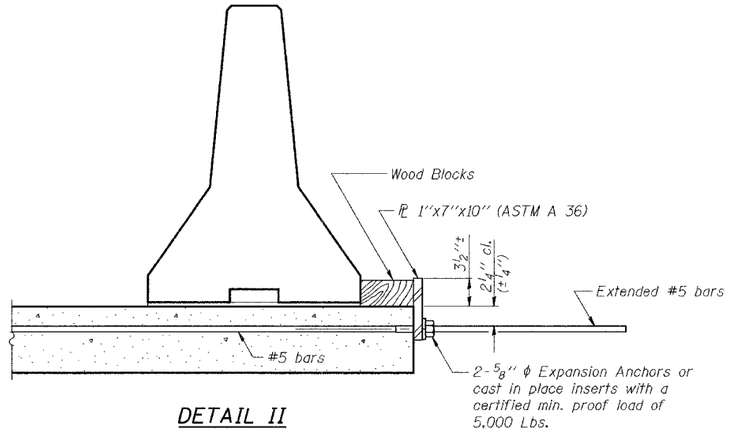
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel ℙ to the concrete slab with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier.



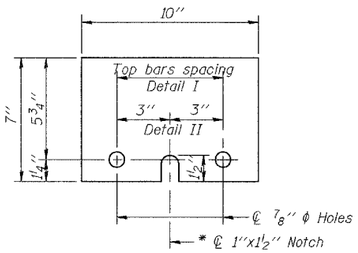
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



ℙ 1"x7"x10"

* Required only with Detail II

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION

PROJECT
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY TFG/CFC
CHECKED BY KPS/MCB
DRAWING NO. 4 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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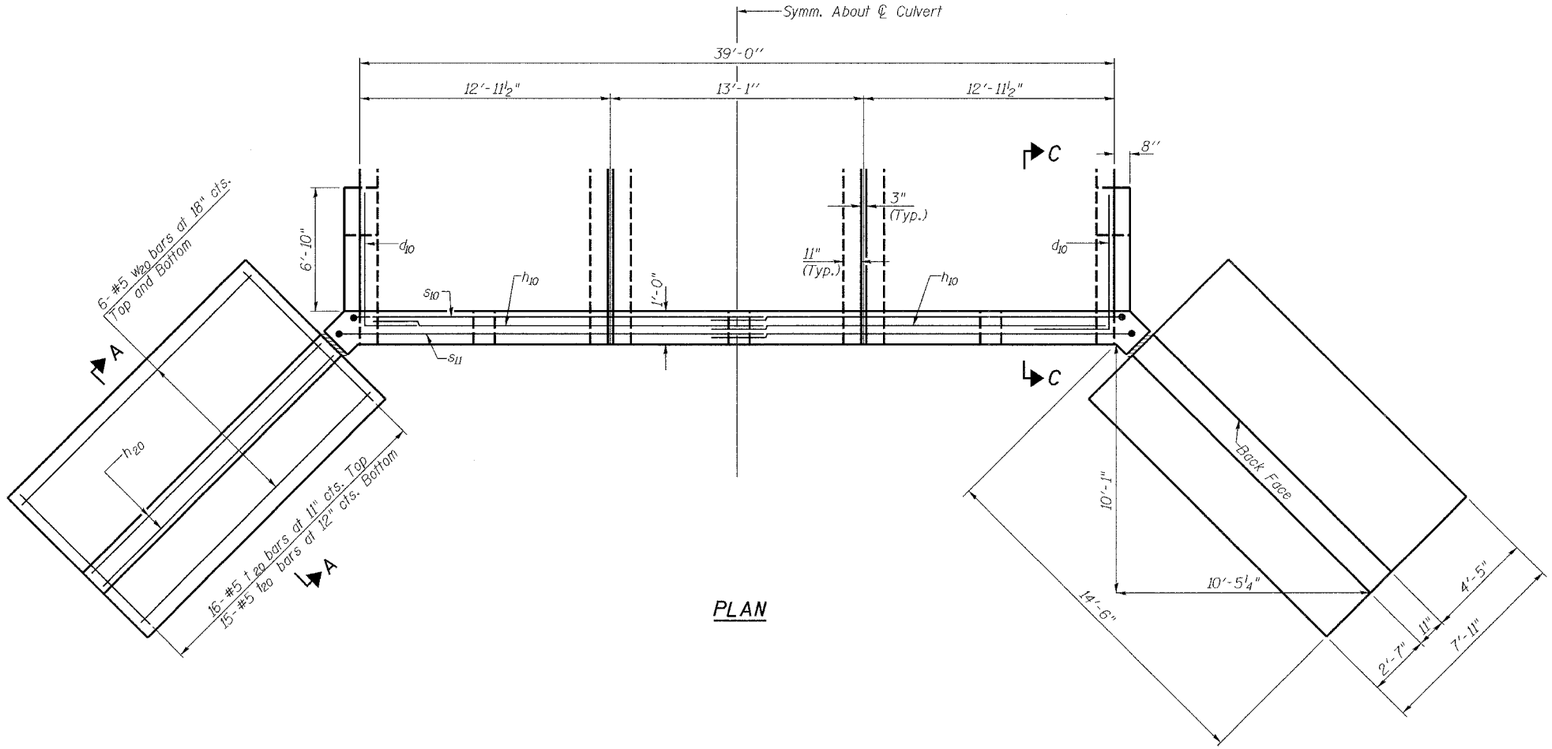
R-27

10-22-04

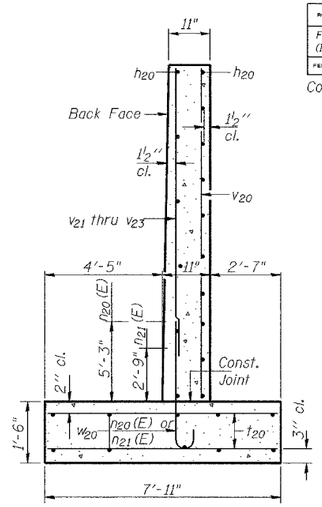
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
8 SHEETS

Contract #66449

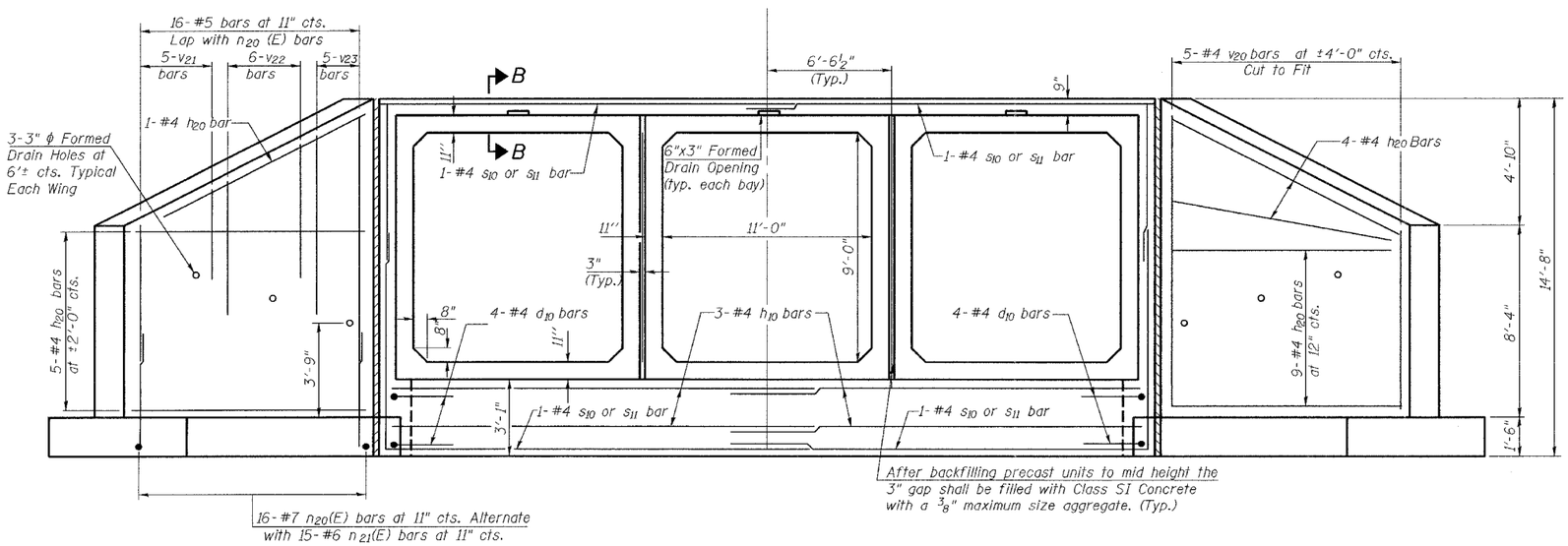


PLAN



SECTION A-A

Maximum Soil Pressure = 1.8 tsf
(at toe of wingwall)



REINFORCEMENT BACK FACE

END ELEVATION

REINFORCEMENT FRONT FACE

Min. Bar Laps

#4 = 1'-4"
#5 = 1'-8"

Work this sheet with sheet 6 of 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: TRIPLE 11'-0" × 9'-0" BOX CULVERT ELEVATION & SECTIONS

PROJECT: IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY CFC
CHECKED BY KPS/MCB
DRAWING NO. 5 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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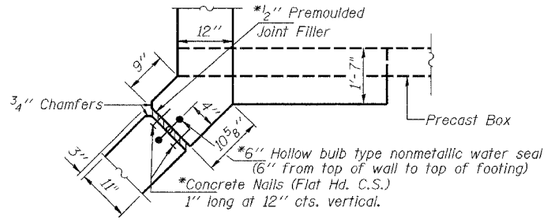
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

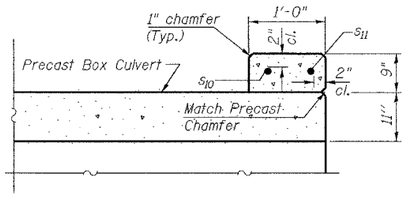
SHEET NO. 6
8 SHEETS

Contract #66449

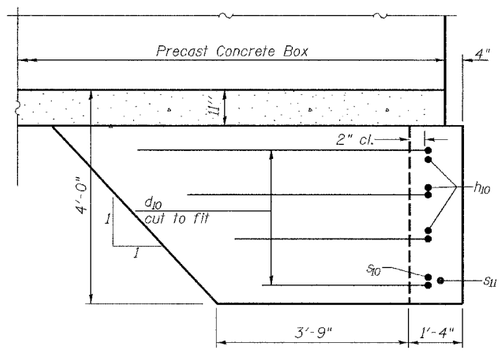


CORNER DETAIL

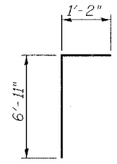
*Cost Included in Concrete Box Culverts



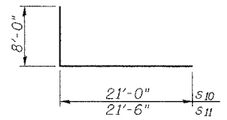
SECTION B-B



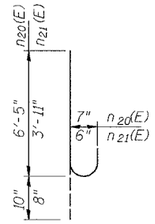
SECTION C-C



BAR d_{10}



BARS s_{10} & s_{11}



BARS $n_{20}(E)$ & $n_{21}(E)$

Min. Bar Laps

#4 = 1'-4"
#5 = 1'-8"

BILL OF MATERIAL

Bar	No.	Size	Length (ft)	Shape
d_{10}	16	#4	8'-1"	
h_{10}	12	#4	21'-0"	
h_{20}	76	#4	13'-4"	
$n_{20}(E)$	64	#7	7'-3"	
$n_{21}(E)$	60	#6	4'-7"	
s_{10}	8	#4	29'-0"	
s_{11}	8	#4	29'-6"	
t_{20}	124	#5	7'-8"	
v_{20}	20	#4	12'-8"	
v_{21}	20	#5	6'-0"	
v_{22}	24	#5	7'-8"	
v_{23}	20	#5	9'-3"	
w_{20}	48	#5	13'-4"	
Precast Concrete Box Culverts 11'x9'			Foot	300
Concrete Box Culverts			Cu. Yd.	66.4
Reinforcement Bars			Pound	3580
Reinforcement Bars, Epoxy Coated			Pound	1360

Work this sheet with sheet 5 of 8.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: CULVERT DETAILS

PROJECT: IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY CFC
CHECKED BY KPS/MCB
DRAWING NO. 6 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
8 SHEETS

Contract #66449

Illinois Department of Transportation
Division of Highways
District 03, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 5/19/98

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 over unnamed creek near Rutland School LOGGED BY K. Whittington

SECTION Section 5BR-1 LOCATION SEC. 22, TWP. 34, RNG. 4, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0067 (existing)
Station 260+23

BORING NO. 1 South Abut.
Station 259+98.5
Offset 9.00R Lt
Ground Surface Elev. 617.50 ft

Surface Water Elev. 595.30 ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Bituminous Concrete Dark Gray Silty Clay			
615.00			
Soft Black/Dark Gray Silty Clay with Gray Clay Inclusions	1 1 2	0.2 P	31.0
	1 1 3	0.2 P	29.0
	2 2 9	0.5 P	27.0
608.50			
Stiff Black/Gray Silty Clay with Gravel Pebbles and thin Sand Layers and organics (stems)	3 3 6	1.1 B	22.0
	5 5 5	1.6 B	25.0
	4 5 5	1.5 P	23.0
	3 4 7	1.5 B	22.0
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Black/Gray Silty Clay with Gravel Pebbles and thin Sand Layers and organics (stems) *(continued)*	2 3 4	1.0 P	20.0
595.50			
Soft Gray with Black Clay and Silty Clay with pebbles	2 2 3	0.4 B	26.0
593.50			
Loose Black Organic Silt, Free water at 24'			
593.00			
Hard, Rocky, Gray Silty Loam Till	12 24 31	4.0 P	6.0
	26 33 36	4.2 P	8.0
-30			
	19 23 41	4.5 P	9.0
	15 25 36	4.5 P	8.0
580.50			
Hard Gray Silty Clay Till			
-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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 03, Ottawa

SOIL BORING LOG

Page 2 of 2

Date 5/19/98

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 over unnamed creek near Rutland School LOGGED BY K. Whittington

SECTION Section 5BR-1 LOCATION SEC. 22, TWP. 34, RNG. 4, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0067 (existing)
Station 260+23

BORING NO. 1 South Abut.
Station 259+98.5
Offset 9.00R Lt
Ground Surface Elev. 617.50 ft

Surface Water Elev. 595.30 ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Till *(continued)*	8 13 21	7.1 B	16.0
574.50			
Stiff Gray Silty Clay Till			
-45			
572.00	3 20	1.5 B	17.0
Dense Gray Sand and Gravel	76		5.0
567.50			
End of Boring			
-55			
-60			

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, from 137 (Rev. 8-99)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE: BORING LOGS

PROJECT: IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY CFC
CHECKED BY KPS/MCB
DRAWING NO. 7
OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 311 (IL 71)	5BR-1	LASALLE	32	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
8 SHEETS

Contract #66449

Illinois Department of Transportation
Division of Highways
District 02, Ottawa

SOIL BORING LOG

Date 5/20/08

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 over unnamed creek near Rutland School LOGGED BY Whittington

SECTION Section 5BR-1 LOCATION SEC. 22, TWP. 34, RNG. 4, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0067 (existing)
Station 260+23

BORING NO. 2 North Abut.
Station 260+51
Offset 14.40ft Rt
Ground Surface Elev. 618.18 ft

Surface Water Elev. 595.30 ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Shoulder Stone over Brown Silty Clay Till			
615.68			
Stiff Brown Silty Clay Till (FILL)	2 3 2	1.4 B	22.8
613.68			
Very Stiff Brown Silty Clay Till with Black Silty Clay (FILL)	2 3 2	3.3 B	22.3
	2 2 3	2.0 P	24.0
608.68			
Medium Yellow Brown Silty Clay (FILL)	1 1 3	0.7 B	31.6
605.18			
Very Stiff Black Silty Clay with Brown Till FILL & Silt (organic smell, wood, stems)	2 4 7	2.8 B	26.3
	2 5 6	2.1 B	25.6
	2 4 6	1.4 S	22.3
Very Stiff Black Silty Clay with Brown Till FILL & Silt (organic smell, wood, stems) (continued)	3 5 8	1.9 S	16.1
595.18			
Layers of Medium Black Silty Clay with Wood and Debri	1 2 2	0.9 B 0.5 P	25.2 21.2
Soft Black Clay Loam to Silt Loam with organics			
593.68			
Dense Hard Gray Silty Loam Till	13 20 25	4.5 B	9.2
	19 26 37	4.5 B	7.9
585.18			
Hard Gray Silty Clay Loam Till	23 21 24	6.5 S	11.2

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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 02, Ottawa

SOIL BORING LOG

Date 5/20/08

ROUTE FAP 311 (IL 71) DESCRIPTION IL 71 over unnamed creek near Rutland School LOGGED BY Whittington

SECTION Section 5BR-1 LOCATION SEC. 22, TWP. 34, RNG. 4, 3rd PM

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0067 (existing)
Station 260+23

BORING NO. 2 North Abut.
Station 260+51
Offset 14.40ft Rt
Ground Surface Elev. 618.18 ft

Surface Water Elev. 595.30 ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Loam Till (continued)	8 10 19	10.4 B	11.7
	8 10 15	5.6 S	12.3
	17 26 51	7.8 S	7.7
568.68			
End of Boring			

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, from 137 (Rev. 8-99)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
BORING LOGS

PROJECT
IL ROUTE 71 OVER UNNAMED STREAM
FAP ROUTE 311 SECTION 5BR-1
LASALLE COUNTY
STATION 260+23
STRUCTURE NUMBER 050-2043

PROJECT NO. 05025-2
SCALE
DATE 01/13/06
DRAWN BY CFC
CHECKED BY KPS/MCB
DRAWING NO. 8 OF 8 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

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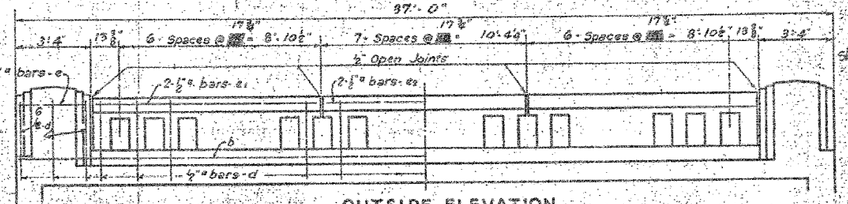
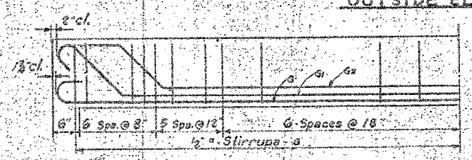
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

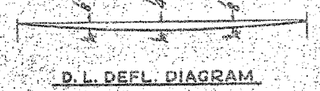
BOND ISSUE ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 97	5B-1	La Salle	7	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -	1970	

SHEET NO. 1
3 SHEETS
Sheet 24 of 32



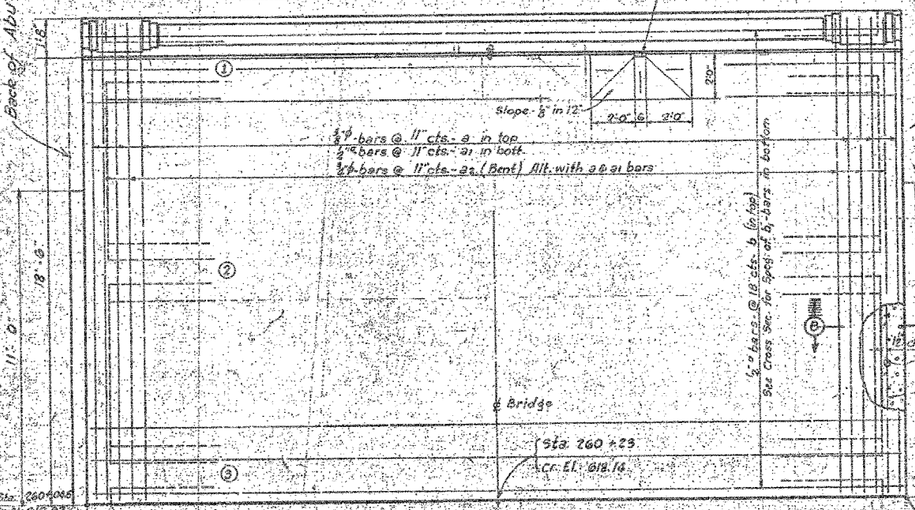
OUTSIDE ELEVATION



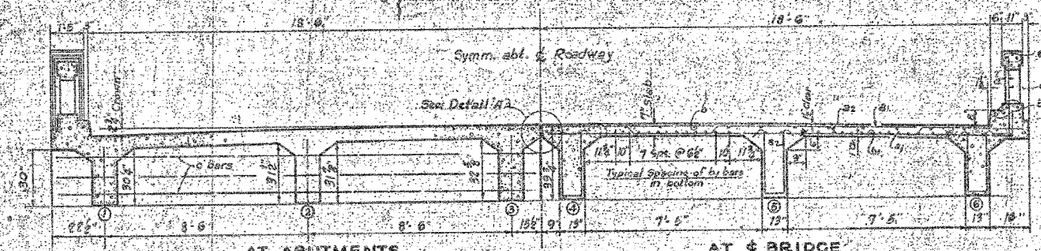


D. L. DEFL. DIAGRAM

HALF SECTION AT ℄ GIRDER



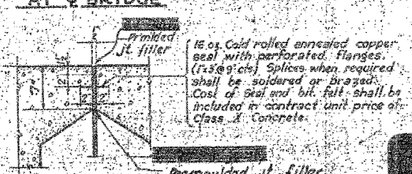
HALF PLAN



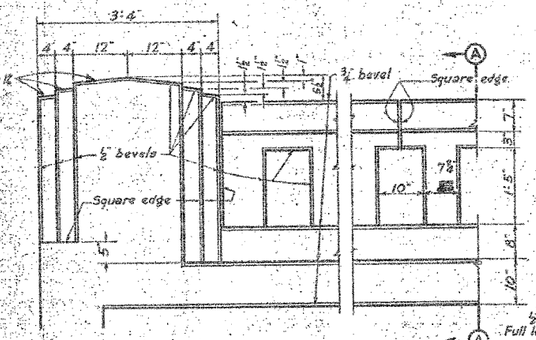
CROSS SECTION

STANDARD	COMPUTED	T.H. Alexander
	CHECKED	R.E.B.
	DRAWN	T.H.A. & R.P.B.
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	

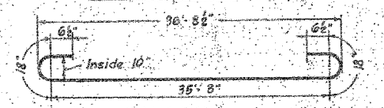
EXAMINED 7-27-1940
PASSED
APPROVED
DIVISION ENGINEER
CHIEF HIGHWAY ENGINEER



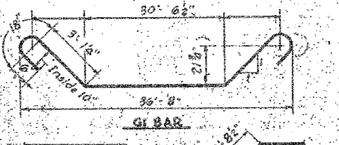
16 oz. Cold rolled annealed copper seal with perforated flanges. (1½ @ 6" cts.) Splices when required shall be soldered or brazed. Cost of seal and bit. felt shall be included in contract unit price of Class X Concrete.



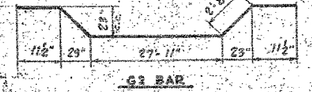
RAIL DETAILS



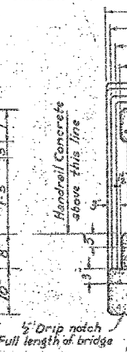
G BAR



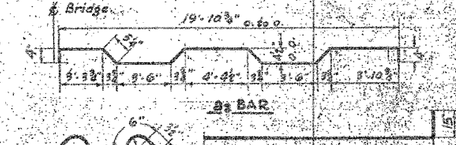
G1 BAR



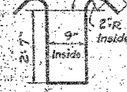
G2 BAR



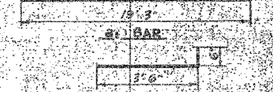
SECTION - AA

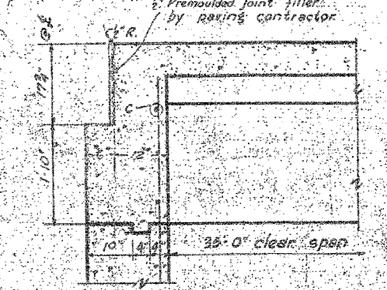


a BAR



c BAR





SECTION - BB

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	82	¾ ø	19'-9"
a1	82	⅝ ø	20'-6"
a2	80	¾ ø	21'-0"
—	—	—	—
b	64	⅝ ø	19'-3"
b1	112	⅝ ø	19'-3"
c	12	⅝ ø	20'-0"
—	—	—	—
d	66	½	8'-0"
e	8	—	3'-0"
e1	8	—	9'-2"
e2	4	—	10'-0"
—	—	—	—
G	18	1¼ ø	39'-9"
G1	18	1¼ ø	40'-9"
G2	18	1¼ ø	36'-3"
—	—	—	—
S	210	Lbs.	7'-6"

Handrail Concrete	Cu. Yds.	4.2
Class X Concrete	Cu. Yds.	67.9
Reinforcement Bars	Lbs.	20880
Floor Drains	Each	8

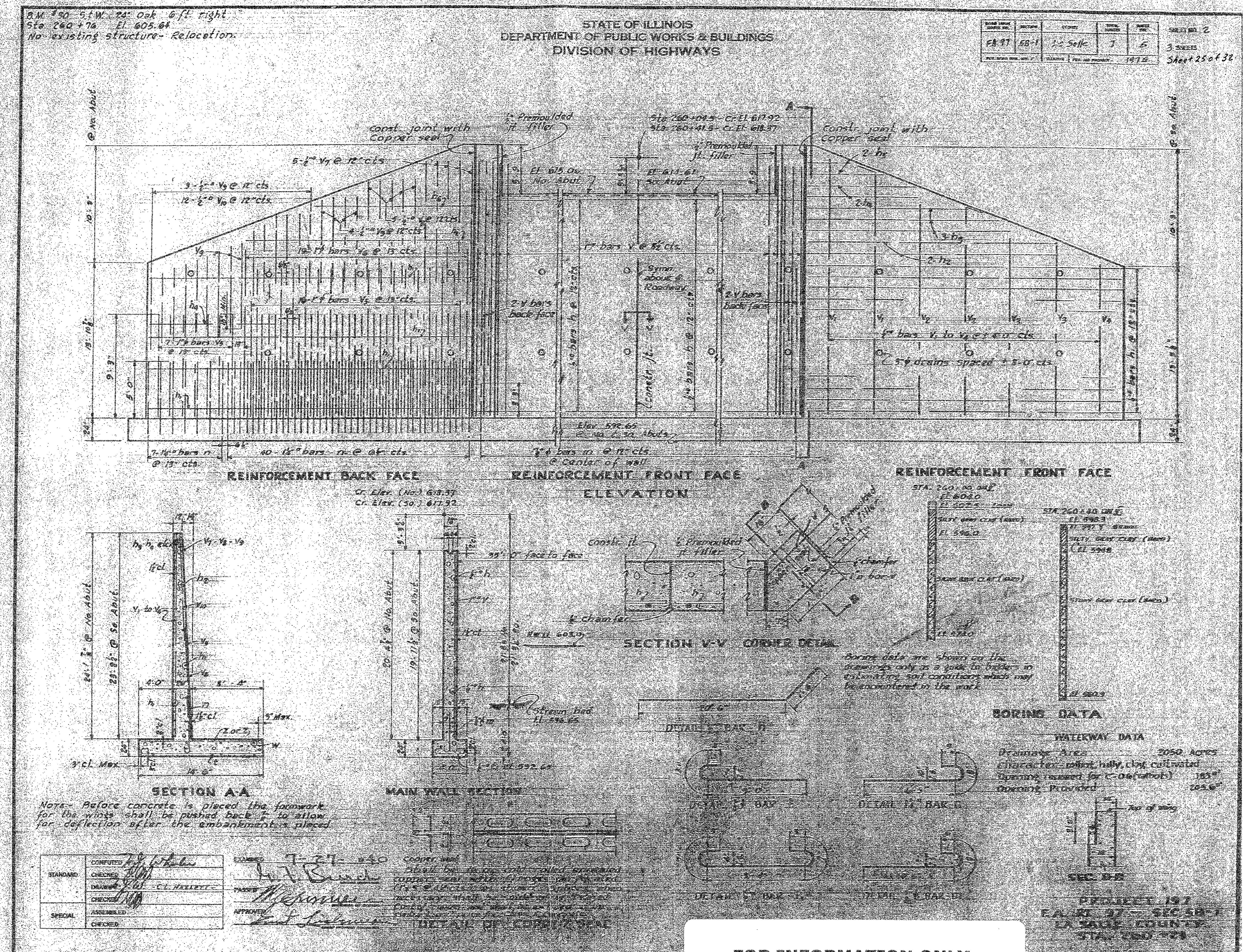
GENERAL NOTES

Class X Concrete shall be used thruout.
The Concrete floor shall be finished in accordance with Art 57.5(a) of the Std. Specifications.
Bridge Camber is indicated by the crown elevations shown.
Premoulded joint filler shall conform to Art. 105.65 to 105.69 inclusive, of the Supplemental Specifications.
The hubguard and handrail shall not be poured until after the falsework has been removed.
The exposed surfaces of floor drains shall receive two field coats of white lead paint. The Contractor shall furnish and apply the paint.

PROJECT 197
F.A. RTE. 97 - SEC. 5B-1
LA SALLE COUNTY
STA. 260+23

1829

FOR INFORMATION ONLY



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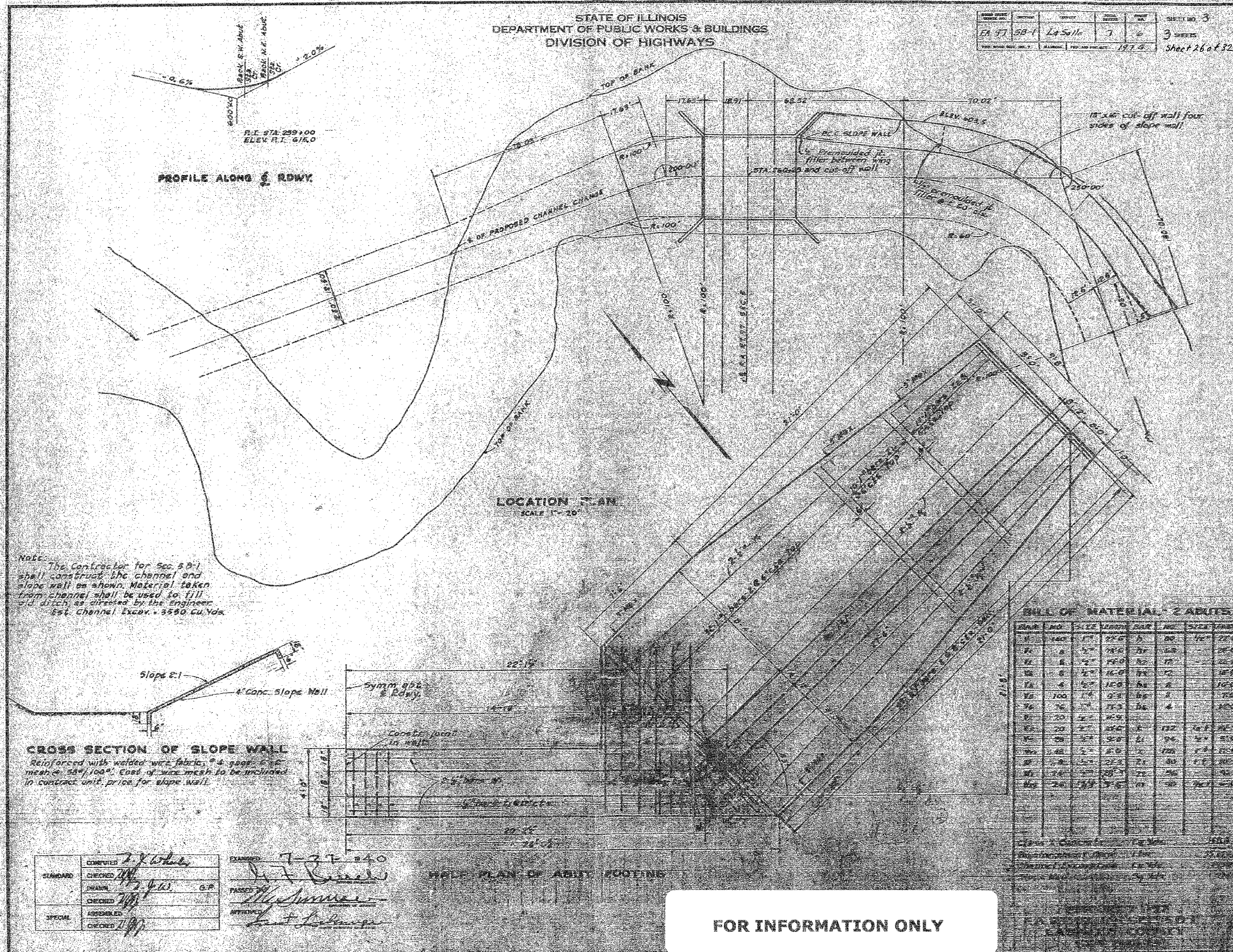


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
La Salle
SHEET NO. 3
3 SHEETS
Sheet 26 of 32
PROFILE ALONG ℄ RDWY.
P.I. STA. 259+00
ELEV. P.I. 615.0
TOP OF BANK
℄ OF PROPOSED CHANNEL CHANGE
P.C.C. SLOPE WALL
Premoulded jt. filler between wing
18" x 4' cut-off wall four sides of slope wall
LOCATION PLAN
SCALE 1" = 20'
Note: The Contractor for Sec. 58-1 shall construct the channel and slope wall as shown. Material taken from channel shall be used to fill old ditch, as directed by the Engineer.
Est. Channel Excav. = 3450 Cu. Yds.
Slope 2:1
4" Conc. Slope Wall
CROSS SECTION OF SLOPE WALL
Reinforced with welded wire fabric, #4 gage, 6"x6" mesh @ 58#/100□'. Cost of wire mesh to be included in contract unit price for slope wall.
Symm. abt. ℄ Rdwy.
Constr. joint in walls
HALF PLAN OF ABUT. FOOTING
BILL OF MATERIAL 2 ABUTS.
COMPUTED
CHECKED
DRAWN
CHECKED
ASSEMBLED
CHECKED
STANDARD
SPECIAL
EXAMINED 7-27-40
PASSED
APPROVED
FOR INFORMATION ONLY

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	27
STA. 256+75.00		TO STA. 258+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. R.O.W.

S.D. 607.59

1:2.6

1:4.2

PR 36" RCCP

E 22nd RD

1:10.6

1:5.8

1:3

C = 56
F = 51

617.52

258 +00.00

C = 3
F = 92

617.43

257 +75.00

C = 3
F = 12

617.40

257 +50.00

C = 3
F = 10

617.39

257 +45.00

C = 4
F = 1

617.36

257 +25.00

C = 4
F = 100

617.37

257 +00.00

C = 3
F = 48

617.45

256 +75.00

℄

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

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

DATE-TIME
TEXT
c:\projects\sp01804\consultn\cadd\final\roadway\cross sects.dgn

CROSS SECTIONS

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	28
STA. 256+75.00		TO STA. 258+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

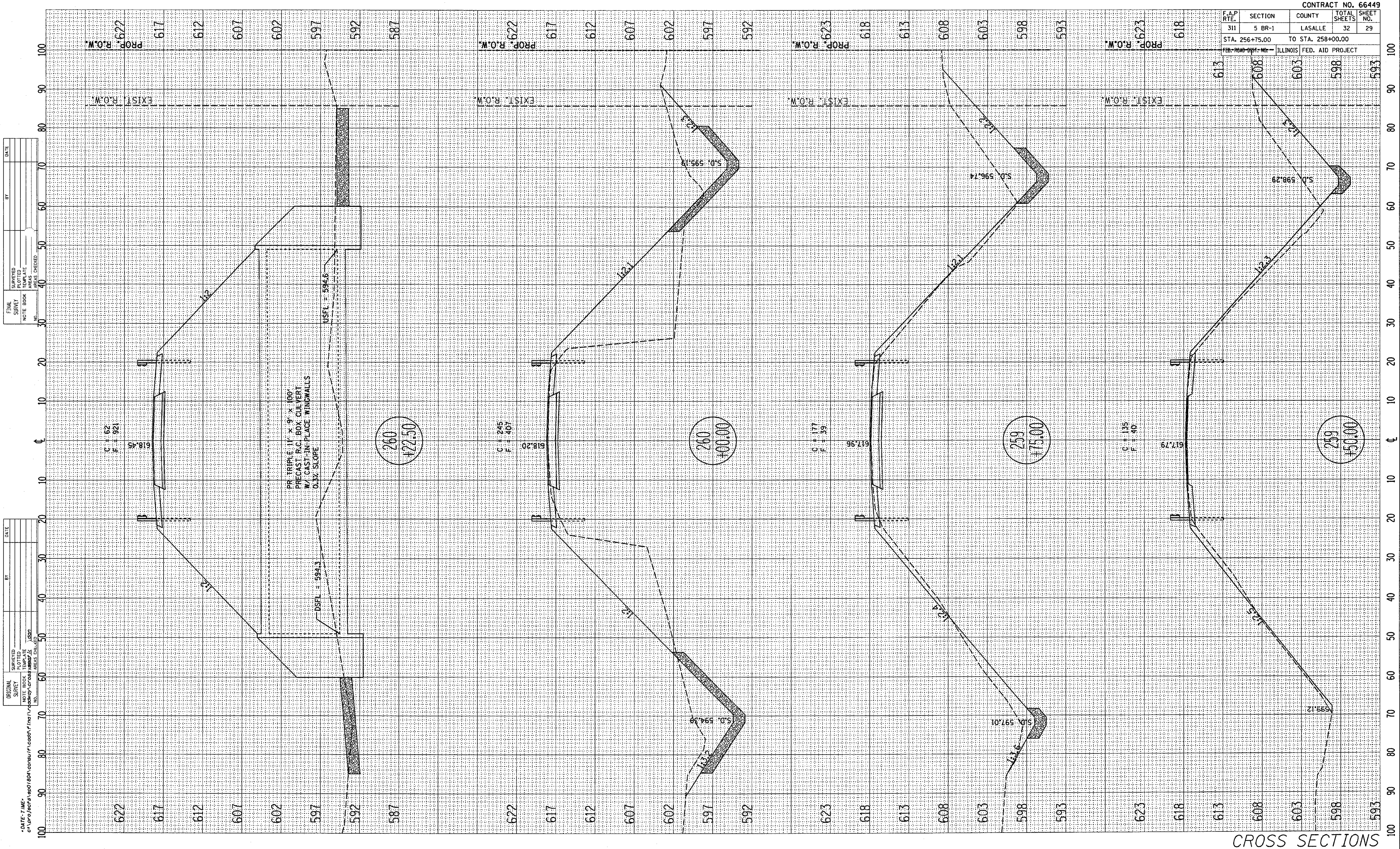
ORIGINAL SURVEY	NOTE BOOK	BY	DATE
		SURVEYED	
		PLOTTED	
		PLOT DATE	
		JOB NO.	
		AREAS CHECKED	

DATE-TIME
c:\projects\sp01804\corsair\cadd\final\roadway\cross sheet.dgn

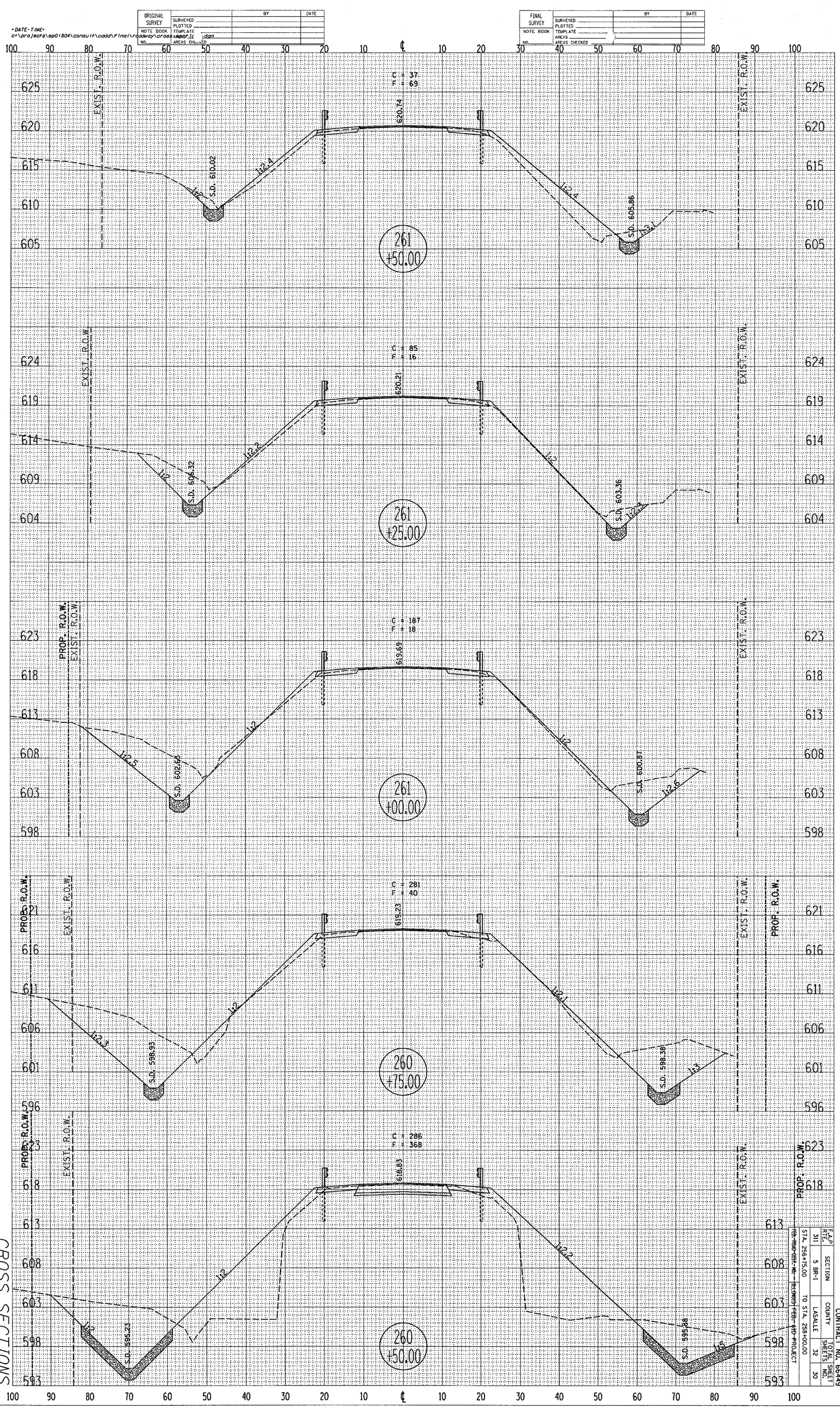
CROSS SECTIONS

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	29
STA. 256+75.00	TO STA. 258+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

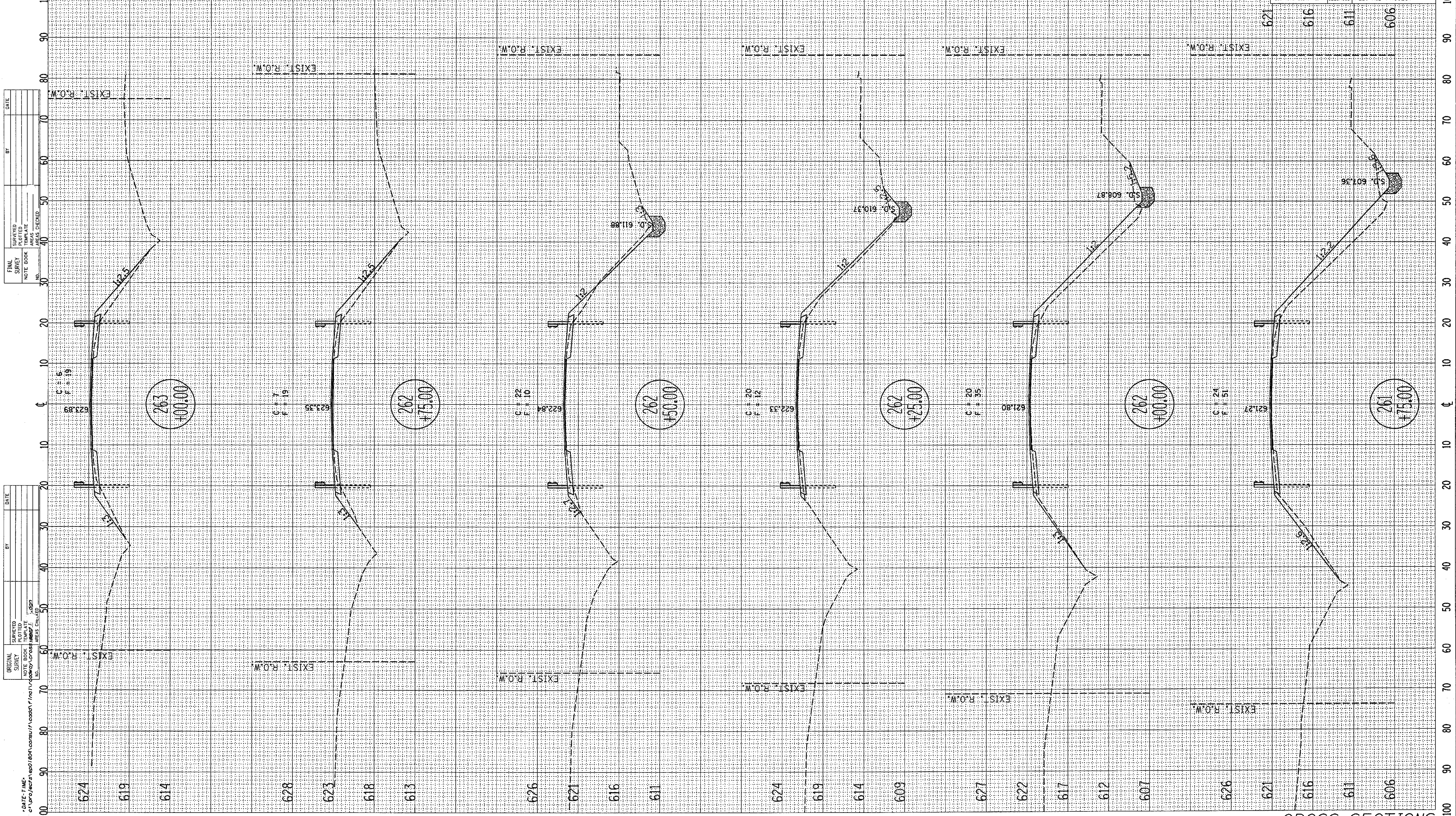


CROSS SECTIONS


ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
TEMPLATE
NO.
AREAS CHECKED
BY
DATE
FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
TEMPLATE
NO.
AREAS
AREAS CHECKED
BY
DATE
DATE-TIME
c:\projects\ep01804\consult\cadd\final\roadway\crosssec.plt
.dgn
100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100
EXIST. R.O.W.
PROP. R.O.W.
C = 37
F = 69
620.74
S.D. 610.02
S.D. 605.86
261
+50.00
C = 85
F = 16
620.21
S.D. 606.32
S.D. 603.36
261
+25.00
C = 187
F = 18
619.69
S.D. 602.66
S.D. 600.87
261
+00.00
C = 281
F = 40
619.23
S.D. 598.93
S.D. 598.38
260
+75.00
C = 286
F = 368
618.83
S.D. 595.23
S.D. 595.38
260
+50.00
CROSS SECTIONS
CONTRACT NO. 66449
F.A.P. RTE. 311
SECTION 5 BR-1
COUNTY LASALLE
TOTAL SHEETS 32
SHEET NO. 30
STA. 256+75.00 TO STA. 258+00.00
FED. ROAD DIST. NO. --- ILLINOIS
FED. AID PROJECT

CONTRACT NO. 66449

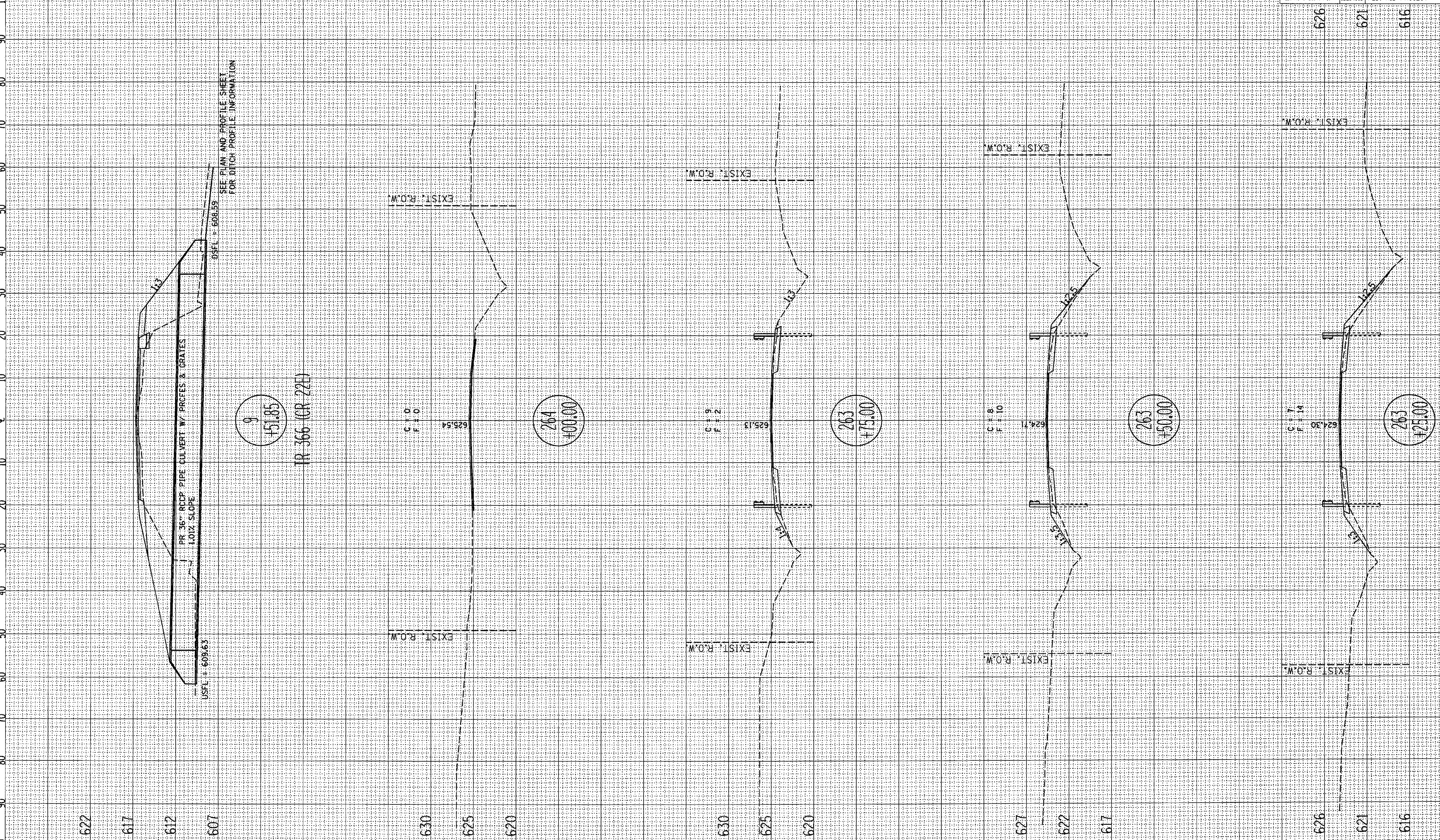
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	31
STA. 256+75.00	TO STA. 258+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CROSS SECTIONS

CONTRACT NO. 66449

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	32
STA. 256+75.00	TO STA. 258+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CROSS SECTIONS