6-13-08 Letting, Item 201

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 72B70		

29+1=30

INDEX OF SHEETS

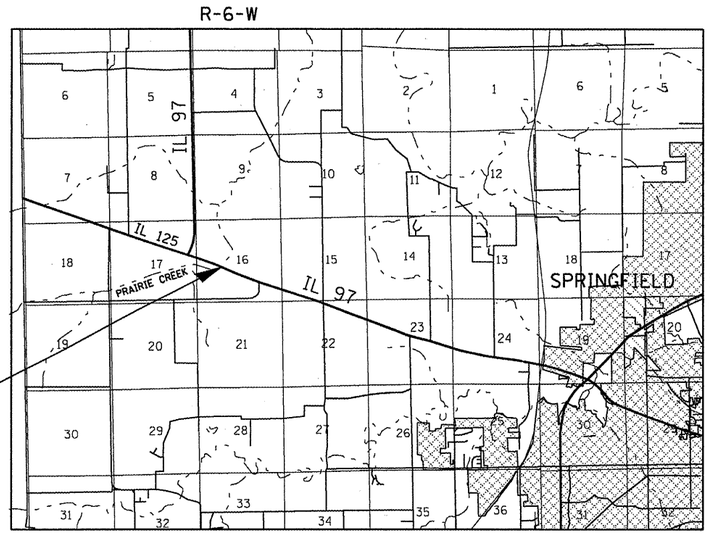
STANDARDS

000001–05	701201–02
001001–01	701301–02
515001–01	701306–01
630001–07	701311–02
630301–04	701321–09
631032–03	701362–02
635006–02	701901
635011–01	704001–04
701001–01	780001–01
701006–02	805001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP 67 (IL RTE. 97)
SECTION (W)BR
PROJECT: ACBHF-0067(078)
SANGAMON COUNTY
C–96–030–08



SUPERSTRUCTURE REPLACEMENT AND ASSOCIATED ROADWAY WORK FOR S.N. 084–0046

LOCATION MAP

NET LENGTH OF PROJECT = 722.59 FT. (0.137 MILES)
AVERAGE DAILY TRAFFIC = 15,000 (2007)
ROAD CLASSIFICATION = MINOR ARTERIAL

D–96–030–08

LOCATION OF SECTION INDICATED THUS:– ■■■

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 24 2008
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 9, 2008
Interim ENGINEER OF DESIGN AND ENVIRONMENT
May 9, 2008
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER Sal Madonia 217–782–4761
PROJECT MANAGER Marcus Bruce 217–524–0946

CONTRACT NO. 72B70

GENERAL NOTES:

1. ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SEEDED.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR THE DURATION OF THIS PROJECT.
3. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
5. THE THICKNESS OF HOT-MIX ASPHALT 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 IS PLACED.
6. 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 HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
7. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

   SEEDING, CLASS 2:

   FERTILIZER RATIO 1:1:1 RATE:270 LBS/ACRE (90# OF NITROGEN, 90# OF PHOSPHOROUS, 90# OF POTASSIUM)
   AGRICULTURAL GROUND LIMESTONE: 2 TON/ACRE
   MULCH: 2 TON/ACRE

   BITUMINOUS MATERIALS (PRIME COAT) - 0.00038 TON/SQYD (ON PAVEMENT)
   BITUMINOUS MATERIALS (PRIME COAT) - 0.001425 TON/SQYD (ON AGGREGATE)
   AGGREGATE PRIME COAT - 0.002 TON/SQYD
   HOT-MIX ASPHALT SURFACE / BINDER - 0.056 TONS/SQYD/IN
   AGGREGATE MATERIAL - 2.05 TON/CUYD
8. 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.
9. UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT.
10. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
11. ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.
12. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY, BUT BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
13. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
14. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKING (PH: 217-785-5312).
15. TWO CHANGEABLE MESSAGE SIGNS, ONE FOR EACH END OF THE PROJECT, SHALL BE PLACED PRIOR TO ANY CONSTRUCTION ACTIVITY TAKING PLACE.
16. INSTALLATION OF PROPOSED STEEL BEAM BRACING FOR THE EXISTING PRAIRIE CREEK STRUCTURE SHALL BE PREFORMED PRIOR TO THE SETUP FOR STAGE 1 TRAFFIC CONTROL.

BITUMINOUS MIXTURE REQUIREMENTS		
LOCATION(S):	IL 97 ROADWAY	LEFT & RIGHT SHOULDERS
MIXTURE USE(S):	HMA SURFACE	HMA BASE COURSE
P.G.:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 70	4.0% @ N DESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 19.0
FRICTION AGGREGATE:	N/A	N/A

COMMITMENTS:

A COMMITMENT HAS BEEN MADE FOR THE IMPROVEMENT OF AN EXISTING FIELD ENTRANCE LOCATED AT STATION 107+80.5 LEFT, OWNED BY PATRICIA A. IRWIN. THIS IMPROVEMENT SHALL BE MADE PRIOR TO THE CLOSURE OF THE FIELD ENTRANCE LOCATED AT STATION 119+77 LEFT, ALSO OWNED BY MS. IRWIN. THE PROPOSED FIELD ENTRANCE IMPROVEMENT DETAIL CAN BE SEEN ON SHEET 9 WITHIN THESE PLANS.

DISTRICT SIX

EXAMINED March 24 20 08
Ronald Harms
OPERATIONS ENGINEER

EXAMINED MAR 20 20 08
WRJ
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED MAR 24 20 08
William R. Frey
PROGRAM DEVELOPMENT ENGINEER

FILE NAME = c:\projects\d672b70\cadsheets\d672b70-mt-gennote.dgn	USER NAME = slaglert	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-21-2008 09:23:46AM	DATE - 02-22-20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	2
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	PAY ITEM	UNITS	S. N. 084-0046 80% STATE 20% FED CODE X080-2A QUANTITY
	X0326089	ERECTING PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1927
	X0326090	ERECTING STRUCTURAL STEEL	POUND	26060
	X0301424	SILICONE JOINT SEALER	FOOT	33
	X0320887	POLYMER CONCRETE	CU FT	1.2
	X7200201	WIDTH RESTRICTION SIGNAGE	L SUM	1
*	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2
*	Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECIVE), TEST LEVEL 3	EACH	2
	20200100	EARTH EXCAVATION	CU YD	100
	25000200	SEEDING, CLASS 2	ACRE	0.1
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9
	25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	9
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9
	25100115	MULCH, METHOD 2	ACRE	0.1
	35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	345
	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	10.0
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.5
	40600300	AGGREGATE (PRIME COAT)	TON	1
	40600990	TEMPORARY RAMP	SQ YD	29
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N 70	TON	83

* Specialty Items

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-soq.dgn	USER NAME = laughlsnrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-31-2008 08:45:34AM	DATE - 03-13-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	3
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

S. N. 084-0046
80% STATE
20% FED

	CODE NO	PAY ITEM		CODE X080-2A QUANTITY
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	560
	50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
	50102400	CONCRETE REMOVAL	CU YD	6.8
	50300225	CONCRETE STRUCTURES	CU YD	9.6
	50300255	CONCRETE SUPERSTRUCTURES	CU YD	4.8
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1680
	50800515	BAR SPLICERS	EACH	16
	50901050	STEEL RAILING, TYPE SM	FOOT	121
	51500100	NAME PLATES	EACH	1
	58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	214
	58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	584
*	63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	500
*	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
	63200310	GUARDRAIL REMOVAL	FOOT	751
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4
	67100100	MOBILIZATION	L SUM	1
	70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1

*Specialty Items

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-smt-soq.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Apr-10-2008 10:41:15AM	DATE - 03-13-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	4
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	PAY ITEM		S. N. 084-0046 80% STATE 20% FED CODE X080-2A QUANTITY
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	9
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	27
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	828
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	250
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	237.5
*	78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	1454
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	8
*	78201000	TERMINAL MARKERS-DIRECT APPLIED	EACH	4
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	613
	78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	4

* Specialty Items

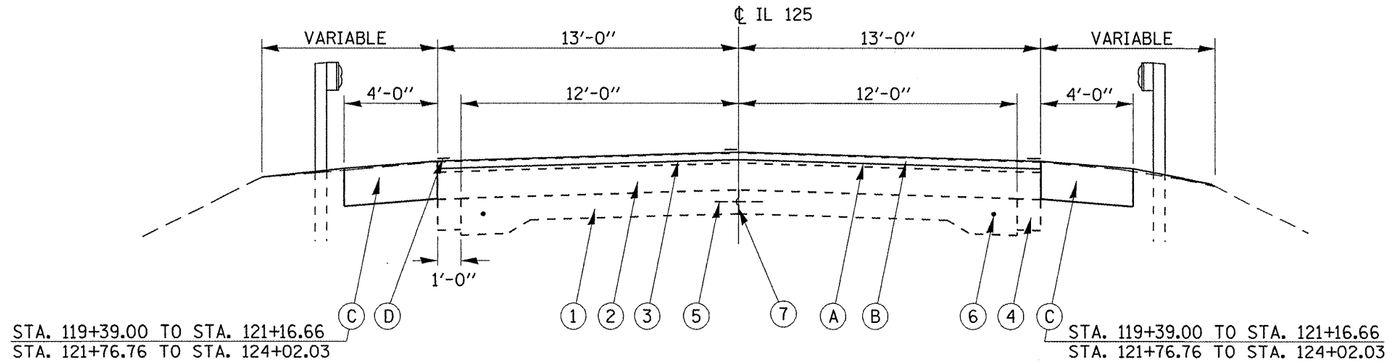
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-smt-soq.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	DRAWN - RTS	REVISED -
	PLOT DATE = Apr-10-2008 10:41:16AM	CHECKED - MEB	REVISED -
		DATE - 03-13-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	5
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

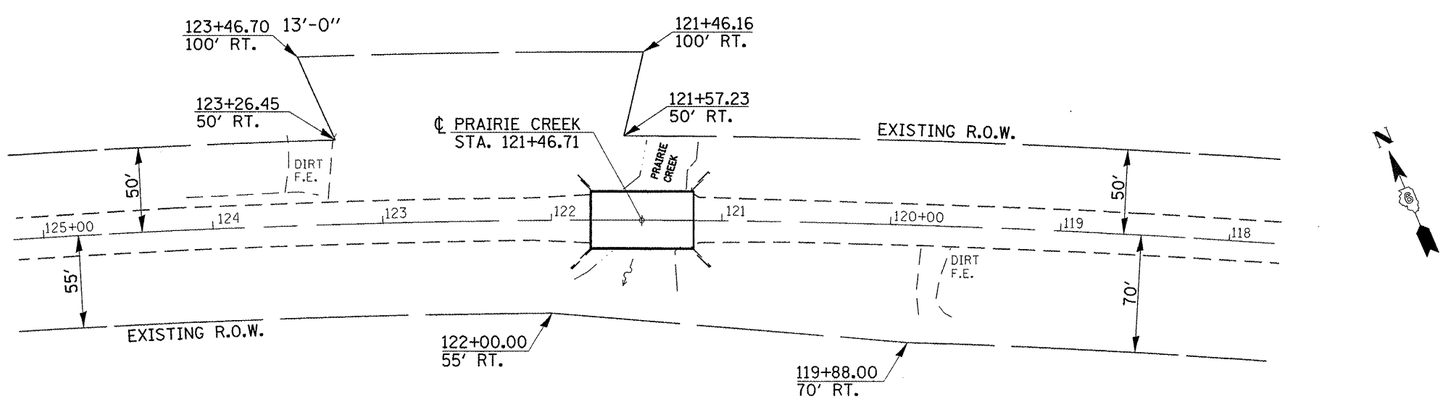


STA. 120+16.66 TO STA. 121+16.66
(BRIDGE OMISSION: STA. 121+16.66 TO STA. 121+76.76)
STA. 121+76.76 TO STA. 122+76.76

LEGEND

1. EXISTING P.C.C. PAVEMENT, 9″-6″-9″
2. EXISTING BITUMINOUS CONCRETE SURFACE, 7 3/4″ AND VARIABLE
3. EXISTING BITUMINOUS CONCRETE BINDER AND SURFACE COURSE, 2 1/4″
4. EXISTING P.C.C. WIDENING, 8″
5. EXISTING 1/2″Ø BAR
6. EXISTING 3/4″Ø BAR
7. EXISTING METAL LONGITUDINAL JOINT

A. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2″
B. PROPOSED HOT-MIX SURFACE COURSE, 1 1/2″
C. PROPOSED HOT-MIX ASPHALT BASE COURSE, 10″
D. PROPOSED PAINT PAVEMENT MARKING - LINE 5″



EXISTING RIGHT OF WAY

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-plan1.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TYPICAL CROSS SECTION EXISTING R.O.W.**			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RTS	REVISED -					67	(W)BR	SANGAMON	29	6
	PLOT SCALE = 20.0000 ′ / IN.	CHECKED - MEB	REVISED -							CONTRACT NO. 72B70		
	PLOT DATE = Mar-21-2008 03:02:40PM	DATE - 02-25-08	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

LOCATION	NEEDED QUANTITY (SQ YD)
STA. 120+16.66 TO STA. 121+16.66	276.87
STA. 122+76.66 TO STA. 123+76.66	282.20
	TOTAL = 559.06 SQ YD

EARTH EXCAVATION (FOR BIT. SHLDRS. WORK)

LOCATION	WIDTH (FOOT)	DEPTH (FOOT)	NEEDED QUANTITY (CU YD)
STA. 119+39.00 TO STA. 121+16.66 RIGHT	4.0	0.8333	21.93
STA. 119+39.00 TO STA. 121+16.66 LEFT	4.0	0.8333	21.93
STA. 121+76.76 TO STA. 124+02.03 RIGHT	4.0	0.8333	27.81
STA. 121+76.76 TO STA. 124+02.03 LEFT	4.0	0.8333	27.81
			TOTAL = 99.48 CU YD

PAINT PAVEMENT MARKING - LINE 5"

LOCATION	MARKING TYPE	QUANTITY NEEDED (FOOT)
STA. 118+23.00 TO STA. 124+70.00	RIGHT OUTSIDE EDGE LINE, WHITE	647
STA. 118+23.00 TO STA. 124+70.00	LEFT OUTSIDE EDGE LINE, WHITE	647
STA. 118+23.00 TO STA. 124+70.00	CENTERLINE, 30' SKIP / 10' DASH, WHITE	160
		TOTAL = 1454 FEET

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N 70

LOCATION	SURFACE DEPTH (INCH)	WIDTH (FOOT)	NEEDED QUANTITY (TON)
STA. 120+16.66 TO STA. 121+16.66	1.5	VARIES 24.21 TO 28.92	23.26
PRAIRIE CREEK STRUCTURE	3.0 (AVG.)	33.00	36.00
STA. 121+76.66 STA. 122+76.66	1.5	VARIES 24.59 TO 28.10	23.70
			TOTAL = 82.96 TONS

HOT-MIX ASPHALT BASE COURSE, 10"

LOCATION	WIDTH (FOOT)	LENGTH (FOOT)	NEEDED QUANTITY (SQ YD)
STA. 119+39.00 TO STA. 121+16.66 RIGHT	4.0	177.7	77.2
STA. 119+39.00 TO STA. 121+16.66 LEFT	4.0	177.7	75.5
STA. 121+76.76 TO STA. 124+00.50 RIGHT	4.0	223.7	94.5
STA. 121+76.76 TO STA. 124+00.50 LEFT	4.0	223.7	97.3
			TOTAL = 344.5 SQ YD

GUARDRAIL REMOVAL

LOCATION	NEEDED QUANTITY (FOOT)
STA. 118+83.18 TO STA. 121+16.66 RT.	233.5
STA. 121+76.76 TO STA. 123+30.08 RT.	153.3
STA. 119+94.77 TO STA. 121+16.66 LT.	121.9
STA. 121+76.76 TO STA. 124+19.05 LT.	242.3
	TOTAL = 751.0 FEET

TRAFFIC BARRIER TERMINAL, TYPE 6A

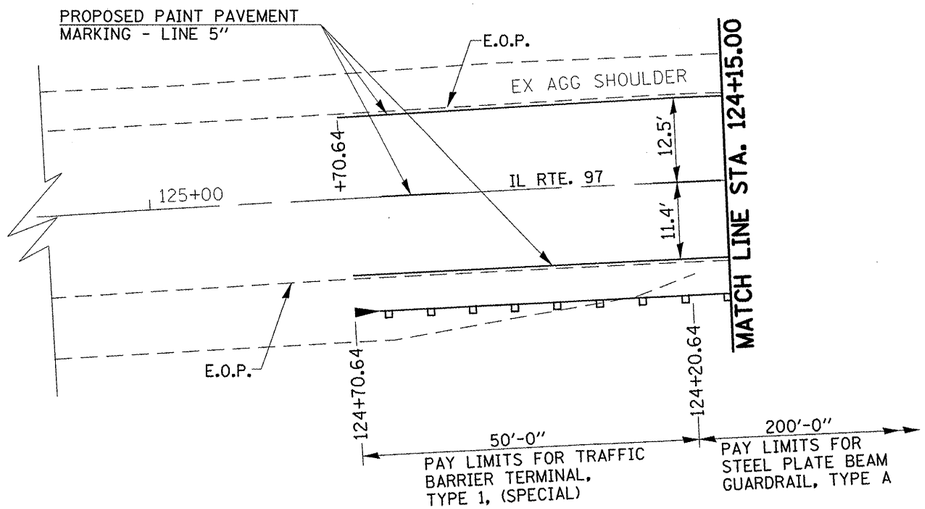
LOCATION	NEEDED QUANTITY (EACH)
N.E. QUADRANT OF PRARIE CREEK STRUCTURE	1
S.E. QUADRANT OF PRARIE CREEK STRUCTURE	1
N.W. QUADRANT OF PRARIE CREEK STRUCTURE	1
S.W. QUADRANT OF PRARIE CREEK STRUCTURE	1
	TOTAL = 4 EACH

STEEL PLATE BEAM GUARDRAIL, TYPE A

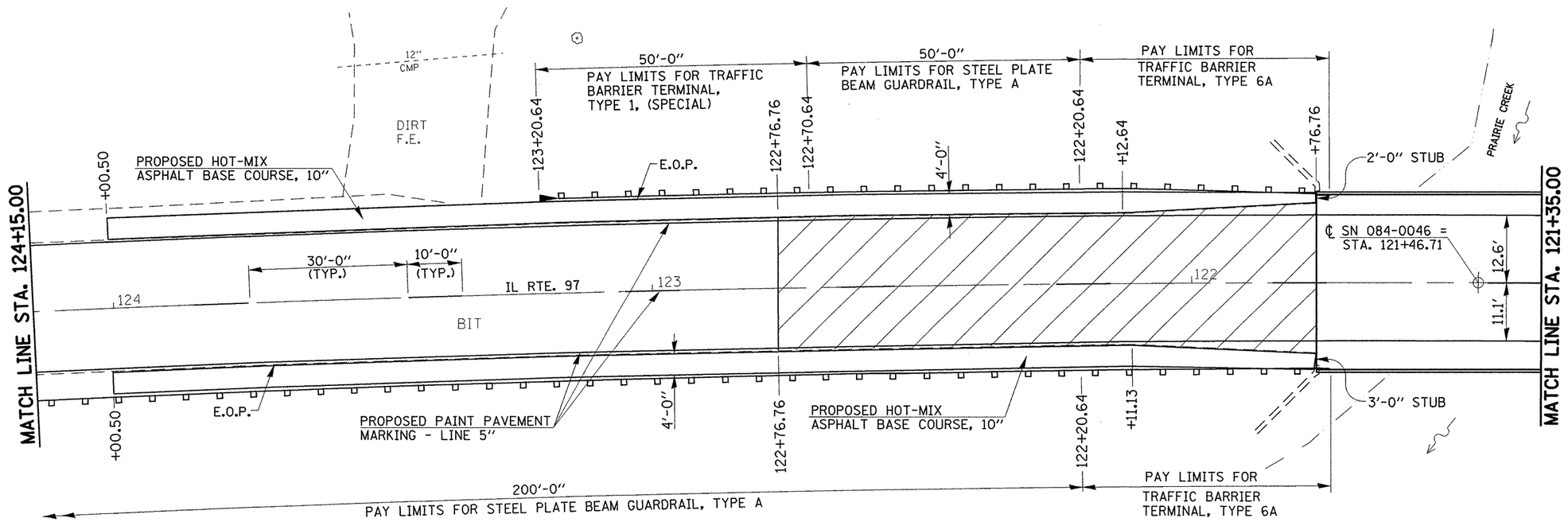
LOCATION	NEEDED QUANTITY (FOOT)
STA. 118+72.78 TO STA. 120+72.78 RIGHT	200.0
STA. 120+35.28 TO STA. 120+72.78 LEFT	37.5
STA. 122+20.64 TO STA. 122+70.64 RIGHT	50.0
STA. 122+20.64 TO STA. 124+20.64 LEFT	200.0
	TOTAL = 500 FEET

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION	NEEDED QUANTITY (EACH)
N.E. QUADRANT OF PRARIE CREEK STRUCTURE	1
S.E. QUADRANT OF PRARIE CREEK STRUCTURE	1
N.W. QUADRANT OF PRARIE CREEK STRUCTURE	1
S.W. QUADRANT OF PRARIE CREEK STRUCTURE	1
	TOTAL = 4 EACH



PROPOSE HOT-MIX ASHALT SURFACE REMOVAL, 1 1//2"
PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2"



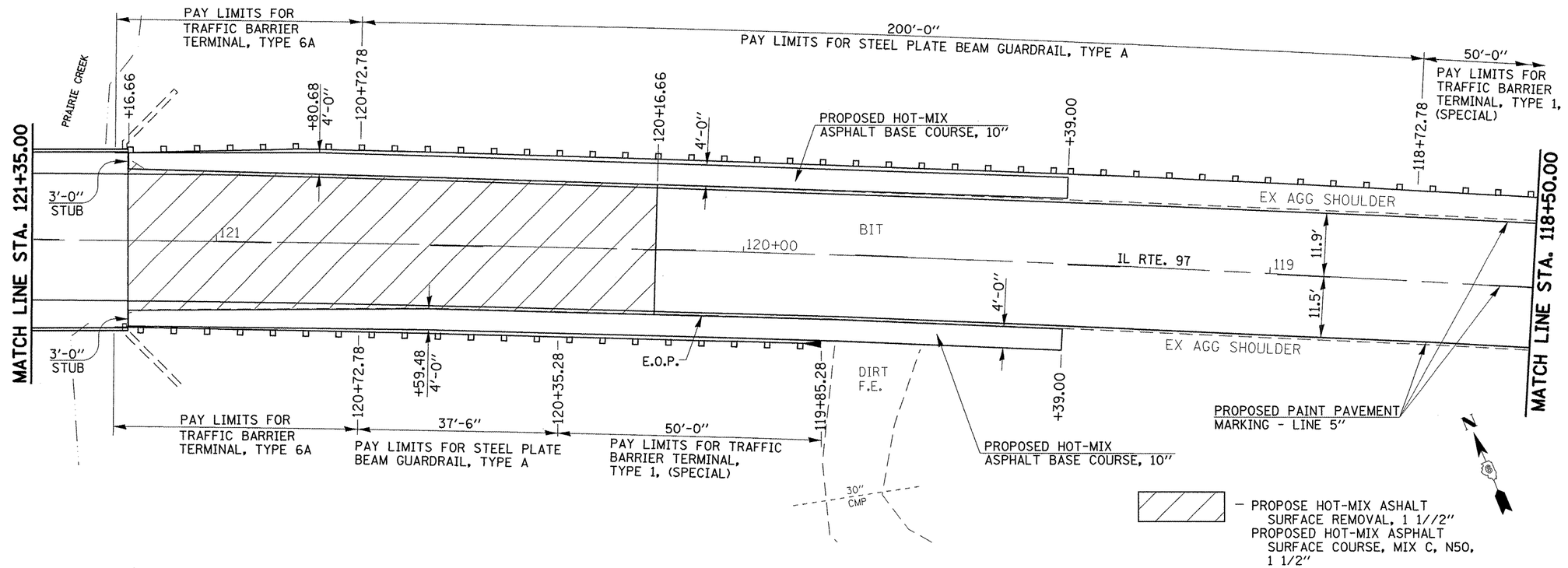
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-ent-plan2.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-31-2008 08:45:39AM	DATE - 03-12-08	REVISED -

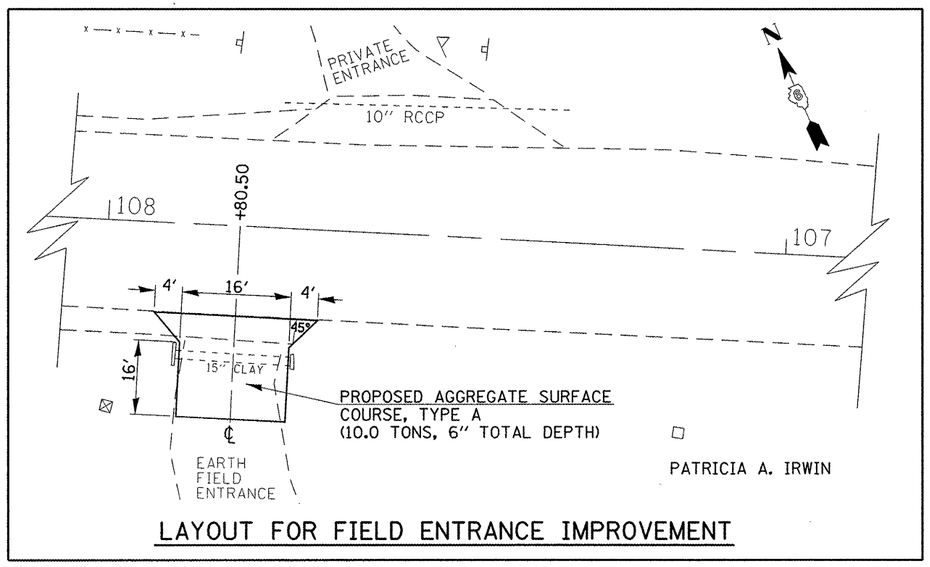
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN LAYOUT

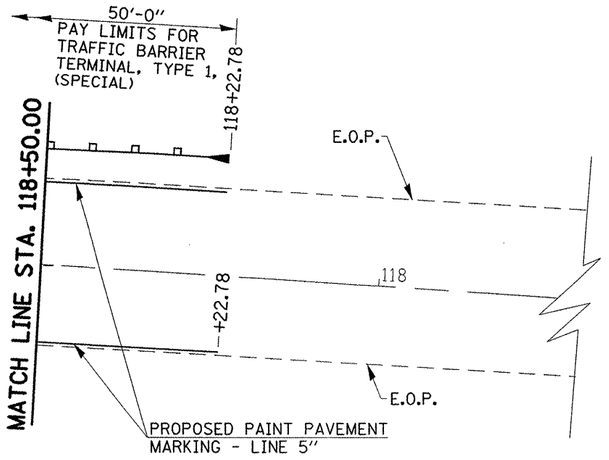
SCALE: 1:20 | SHEET NO. 1 OF 2 SHEETS | STA. 130+00 TO STA. 121+35

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	8
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





LAYOUT FOR FIELD ENTRANCE IMPROVEMENT



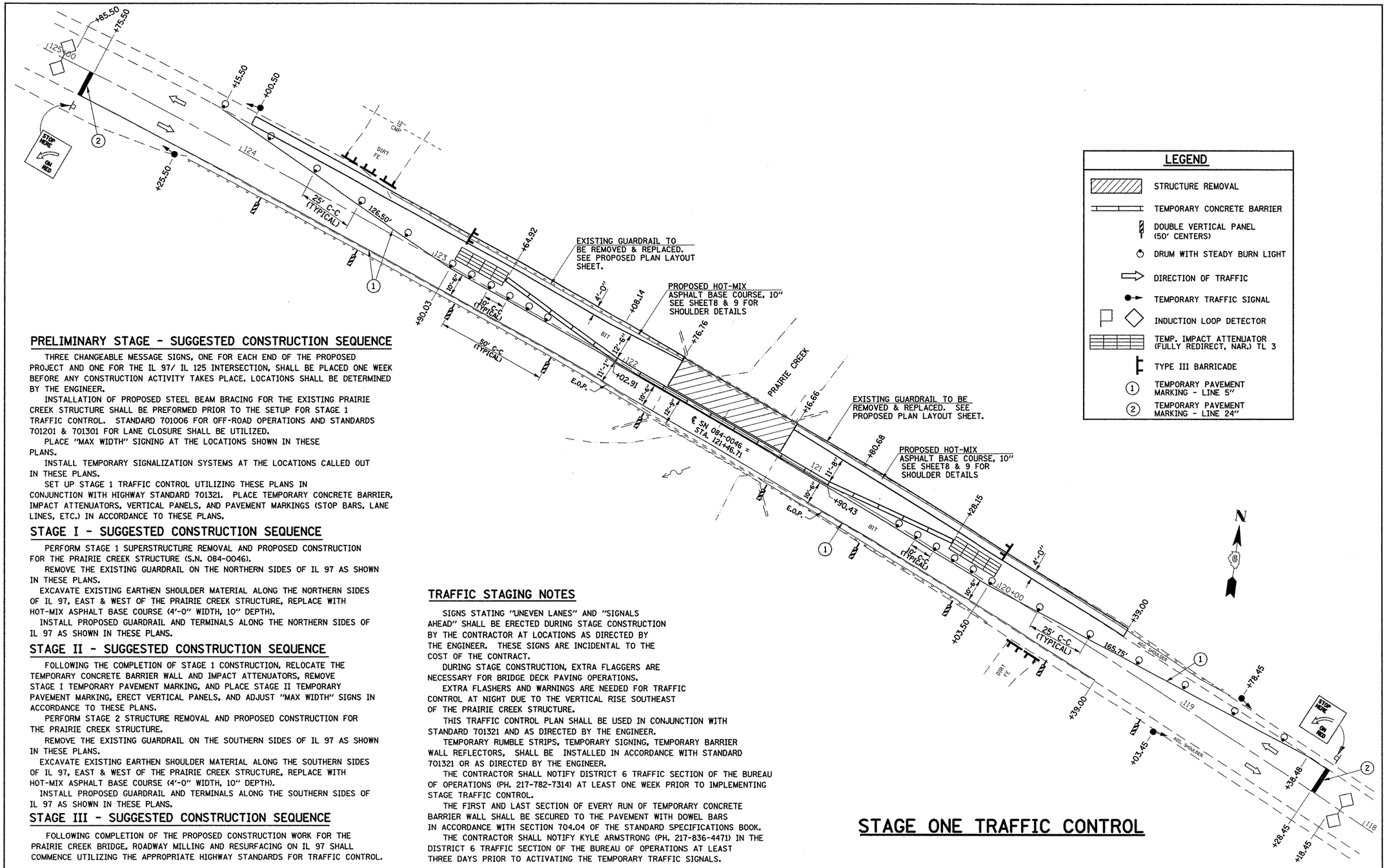
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-plan2.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-31-2008 08:45:40AM	DATE - 03-12-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN LAYOUT

SCALE: 1:20 | SHEET NO. 2 OF 2 SHEETS | STA. 121+35 TO STA. 117+75

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	9
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PRELIMINARY STAGE - SUGGESTED CONSTRUCTION SEQUENCE

THREE CHANGEABLE MESSAGE SIGNS, ONE FOR EACH END OF THE PROPOSED PROJECT AND ONE FOR THE IL 97/ IL 125 INTERSECTION, SHALL BE PLACED ONE WEEK BEFORE ANY CONSTRUCTION ACTIVITY TAKES PLACE. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

INSTALLATION OF PROPOSED STEEL BEAM BRACING FOR THE EXISTING PRAIRIE CREEK STRUCTURE SHALL BE PREFORMED PRIOR TO THE SETUP FOR STAGE 1 TRAFFIC CONTROL. STANDARD 701006 FOR OFF-ROAD OPERATIONS AND STANDARDS 701201 & 701301 FOR LANE CLOSURE SHALL BE UTILIZED.

PLACE "MAX WIDTH" SIGNING AT THE LOCATIONS SHOWN IN THESE PLANS.

INSTALL TEMPORARY SIGNALIZATION SYSTEMS AT THE LOCATIONS CALLED OUT IN THESE PLANS.

SET UP STAGE 1 TRAFFIC CONTROL UTILIZING THESE PLANS IN CONJUNCTION WITH HIGHWAY STANDARD 701321. PLACE TEMPORARY CONCRETE BARRIER, IMPACT ATTENUATORS, VERTICAL PANELS, AND PAVEMENT MARKINGS (STOP BARS, LANE LINES, ETC.) IN ACCORDANCE TO THESE PLANS.

STAGE I - SUGGESTED CONSTRUCTION SEQUENCE

PERFORM STAGE 1 SUPERSTRUCTURE REMOVAL AND PROPOSED CONSTRUCTION FOR THE PRAIRIE CREEK STRUCTURE (S.N. 084-0046).

REMOVE THE EXISTING GUARDRAIL ON THE NORTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

EXCAVATE EXISTING EARTHEN SHOULDER MATERIAL ALONG THE NORTHERN SIDES OF IL 97, EAST & WEST OF THE PRAIRIE CREEK STRUCTURE, REPLACE WITH HOT-MIX ASPHALT BASE COURSE (4'-0" WIDTH, 10" DEPTH).

INSTALL PROPOSED GUARDRAIL AND TERMINALS ALONG THE NORTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

STAGE II - SUGGESTED CONSTRUCTION SEQUENCE

FOLLOWING THE COMPLETION OF STAGE 1 CONSTRUCTION, RELOCATE THE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS, REMOVE STAGE I TEMPORARY PAVEMENT MARKING, AND PLACE STAGE II TEMPORARY PAVEMENT MARKING, ERECT VERTICAL PANELS, AND ADJUST "MAX WIDTH" SIGNS IN ACCORDANCE TO THESE PLANS.

PERFORM STAGE 2 STRUCTURE REMOVAL AND PROPOSED CONSTRUCTION FOR THE PRAIRIE CREEK STRUCTURE.

REMOVE THE EXISTING GUARDRAIL ON THE SOUTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

EXCAVATE EXISTING EARTHEN SHOULDER MATERIAL ALONG THE SOUTHERN SIDES OF IL 97, EAST & WEST OF THE PRAIRIE CREEK STRUCTURE, REPLACE WITH HOT-MIX ASPHALT BASE COURSE (4'-0" WIDTH, 10" DEPTH).

INSTALL PROPOSED GUARDRAIL AND TERMINALS ALONG THE SOUTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

STAGE III - SUGGESTED CONSTRUCTION SEQUENCE

FOLLOWING COMPLETION OF THE PROPOSED CONSTRUCTION WORK FOR THE PRAIRIE CREEK BRIDGE, ROADWAY MILLING AND RESURFACING ON IL 97 SHALL COMMENCE UTILIZING THE APPROPRIATE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

TRAFFIC STAGING NOTES

SIGNS STATING "UNEVEN LANES" AND "SIGNALS AHEAD" SHALL BE ERECTED DURING STAGE CONSTRUCTION BY THE CONTRACTOR AT LOCATIONS AS DIRECTED BY THE ENGINEER. THESE SIGNS ARE INCIDENTAL TO THE COST OF THE CONTRACT.

DURING STAGE CONSTRUCTION, EXTRA FLAGGERS ARE NECESSARY FOR BRIDGE DECK PAVING OPERATIONS.

EXTRA FLASHERS AND WARNINGS ARE NEEDED FOR TRAFFIC CONTROL AT NIGHT DUE TO THE VERTICAL RISE SOUTHEAST OF THE PRAIRIE CREEK STRUCTURE.

THIS TRAFFIC CONTROL PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD 701321 AND AS DIRECTED BY THE ENGINEER.

TEMPORARY RUMBLE STRIPS, TEMPORARY SIGNING, TEMPORARY BARRIER WALL REFLECTORS, SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701321 OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS (PH. 217-782-7314) AT LEAST ONE WEEK PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL.

THE FIRST AND LAST SECTION OF EVERY RUN OF TEMPORARY CONCRETE BARRIER WALL SHALL BE SECURED TO THE PAVEMENT WITH DOWEL BARS IN ACCORDANCE WITH SECTION 704.04 OF THE STANDARD SPECIFICATIONS BOOK.

THE CONTRACTOR SHALL NOTIFY KYLE ARMSTRONG (PH. 217-836-4471) IN THE DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS.

LEGEND

- STRUCTURE REMOVAL
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANEL (50' CENTERS)
- DRUM WITH STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- TEMP. IMPACT ATTENUATOR (FULLY REDIRECT, NAR.) TL 3
- TYPE III BARRICADE
- (1) TEMPORARY PAVEMENT MARKING - LINE 5"
- (2) TEMPORARY PAVEMENT MARKING - LINE 24"

STAGE ONE TRAFFIC CONTROL

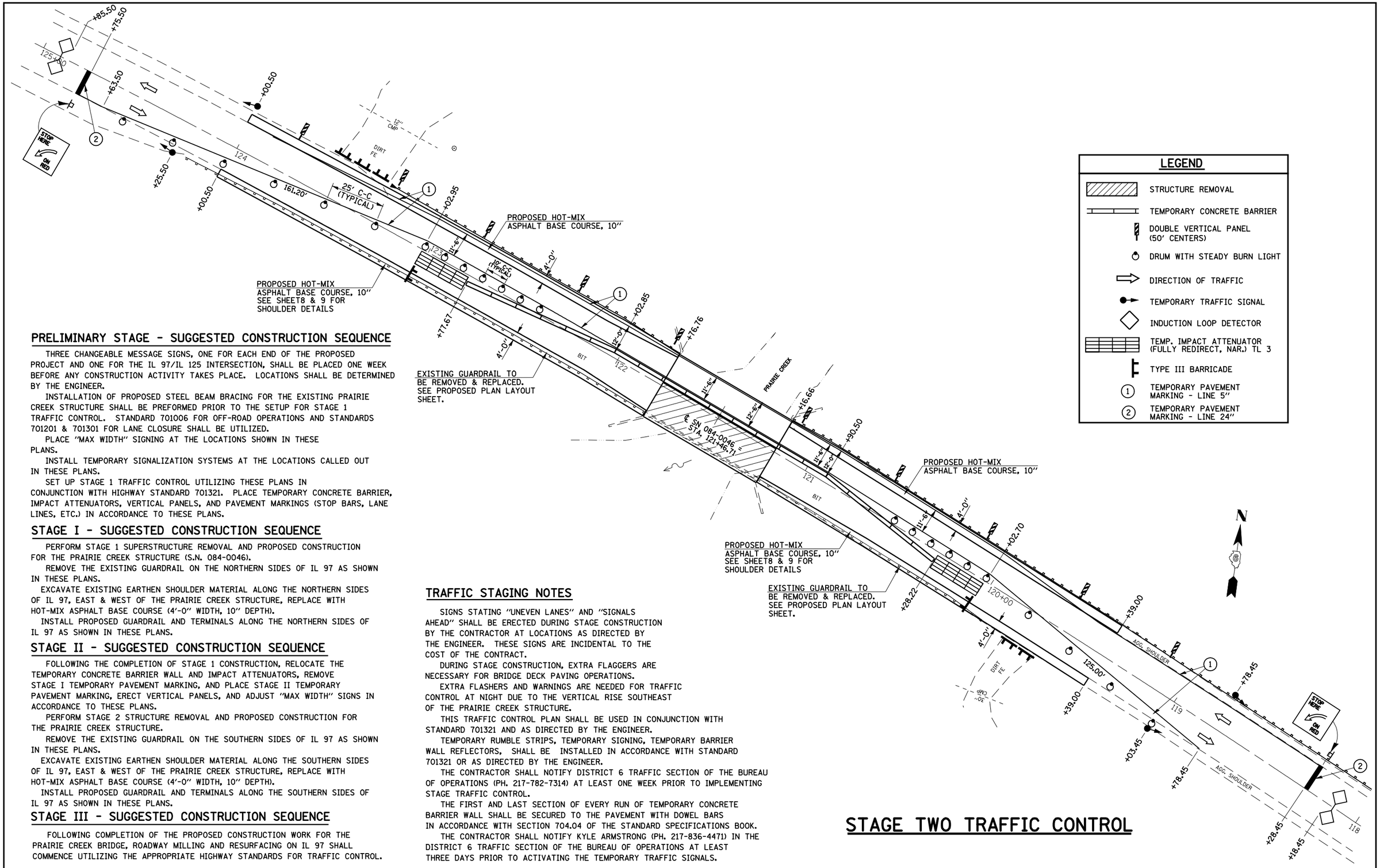
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-staging.dgn	USER NAME = laughlnrl	DESIGNED - RTS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	DRAWN - RTS	REVISED -
	PLOT DATE = Mar-31-2008 08:45:42AM	CHECKED - MEB	REVISED -
		DATE - 02-27-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION LAYOUT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	10
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- STRUCTURE REMOVAL
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANEL (50' CENTERS)
- DRUM WITH STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- TEMPORARY TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR
- TEMP. IMPACT ATTENUATOR (FULLY REDIRECT, NAR.) TL 3
- TYPE III BARRICADE
- (1) TEMPORARY PAVEMENT MARKING - LINE 5"
- (2) TEMPORARY PAVEMENT MARKING - LINE 24"

PRELIMINARY STAGE - SUGGESTED CONSTRUCTION SEQUENCE

THREE CHANGEABLE MESSAGE SIGNS, ONE FOR EACH END OF THE PROPOSED PROJECT AND ONE FOR THE IL 97/IL 125 INTERSECTION, SHALL BE PLACED ONE WEEK BEFORE ANY CONSTRUCTION ACTIVITY TAKES PLACE. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

INSTALLATION OF PROPOSED STEEL BEAM BRACING FOR THE EXISTING PRAIRIE CREEK STRUCTURE SHALL BE PREFORMED PRIOR TO THE SETUP FOR STAGE 1 TRAFFIC CONTROL. STANDARD 701006 FOR OFF-ROAD OPERATIONS AND STANDARDS 701201 & 701301 FOR LANE CLOSURE SHALL BE UTILIZED.

PLACE "MAX WIDTH" SIGNING AT THE LOCATIONS SHOWN IN THESE PLANS.

INSTALL TEMPORARY SIGNALIZATION SYSTEMS AT THE LOCATIONS CALLED OUT IN THESE PLANS.

SET UP STAGE 1 TRAFFIC CONTROL UTILIZING THESE PLANS IN CONJUNCTION WITH HIGHWAY STANDARD 701321. PLACE TEMPORARY CONCRETE BARRIER, IMPACT ATTENUATORS, VERTICAL PANELS, AND PAVEMENT MARKINGS (STOP BARS, LANE LINES, ETC.) IN ACCORDANCE TO THESE PLANS.

STAGE I - SUGGESTED CONSTRUCTION SEQUENCE

PERFORM STAGE 1 SUPERSTRUCTURE REMOVAL AND PROPOSED CONSTRUCTION FOR THE PRAIRIE CREEK STRUCTURE (S.N. 084-0046).

REMOVE THE EXISTING GUARDRAIL ON THE NORTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

EXCAVATE EXISTING EARTHEN SHOULDER MATERIAL ALONG THE NORTHERN SIDES OF IL 97, EAST & WEST OF THE PRAIRIE CREEK STRUCTURE, REPLACE WITH HOT-MIX ASPHALT BASE COURSE (4'-0" WIDTH, 10" DEPTH).

INSTALL PROPOSED GUARDRAIL AND TERMINALS ALONG THE NORTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

STAGE II - SUGGESTED CONSTRUCTION SEQUENCE

FOLLOWING THE COMPLETION OF STAGE 1 CONSTRUCTION, RELOCATE THE TEMPORARY CONCRETE BARRIER WALL AND IMPACT ATTENUATORS, REMOVE STAGE I TEMPORARY PAVEMENT MARKING, AND PLACE STAGE II TEMPORARY PAVEMENT MARKING, ERECT VERTICAL PANELS, AND ADJUST "MAX WIDTH" SIGNS IN ACCORDANCE TO THESE PLANS.

PERFORM STAGE 2 STRUCTURE REMOVAL AND PROPOSED CONSTRUCTION FOR THE PRAIRIE CREEK STRUCTURE.

REMOVE THE EXISTING GUARDRAIL ON THE SOUTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

EXCAVATE EXISTING EARTHEN SHOULDER MATERIAL ALONG THE SOUTHERN SIDES OF IL 97, EAST & WEST OF THE PRAIRIE CREEK STRUCTURE, REPLACE WITH HOT-MIX ASPHALT BASE COURSE (4'-0" WIDTH, 10" DEPTH).

INSTALL PROPOSED GUARDRAIL AND TERMINALS ALONG THE SOUTHERN SIDES OF IL 97 AS SHOWN IN THESE PLANS.

STAGE III - SUGGESTED CONSTRUCTION SEQUENCE

FOLLOWING COMPLETION OF THE PROPOSED CONSTRUCTION WORK FOR THE PRAIRIE CREEK BRIDGE, ROADWAY MILLING AND RESURFACING ON IL 97 SHALL COMMENCE UTILIZING THE APPROPRIATE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

TRAFFIC STAGING NOTES

SIGNS STATING "UNEVEN LANES" AND "SIGNALS AHEAD" SHALL BE ERECTED DURING STAGE CONSTRUCTION BY THE CONTRACTOR AT LOCATIONS AS DIRECTED BY THE ENGINEER. THESE SIGNS ARE INCIDENTAL TO THE COST OF THE CONTRACT.

DURING STAGE CONSTRUCTION, EXTRA FLAGGERS ARE NECESSARY FOR BRIDGE DECK PAVING OPERATIONS.

EXTRA FLASHERS AND WARNINGS ARE NEEDED FOR TRAFFIC CONTROL AT NIGHT DUE TO THE VERTICAL RISE SOUTHEAST OF THE PRAIRIE CREEK STRUCTURE.

THIS TRAFFIC CONTROL PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD 701321 AND AS DIRECTED BY THE ENGINEER.

TEMPORARY RUMBLE STRIPS, TEMPORARY SIGNING, TEMPORARY BARRIER WALL REFLECTORS, SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701321 OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS (PH. 217-782-7314) AT LEAST ONE WEEK PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL.

THE FIRST AND LAST SECTION OF EVERY RUN OF TEMPORARY CONCRETE BARRIER WALL SHALL BE SECURED TO THE PAVEMENT WITH DOWEL BARS IN ACCORDANCE WITH SECTION 704.04 OF THE STANDARD SPECIFICATIONS BOOK.

THE CONTRACTOR SHALL NOTIFY KYLE ARMSTRONG (PH. 217-836-4471) IN THE DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS.

STAGE TWO TRAFFIC CONTROL

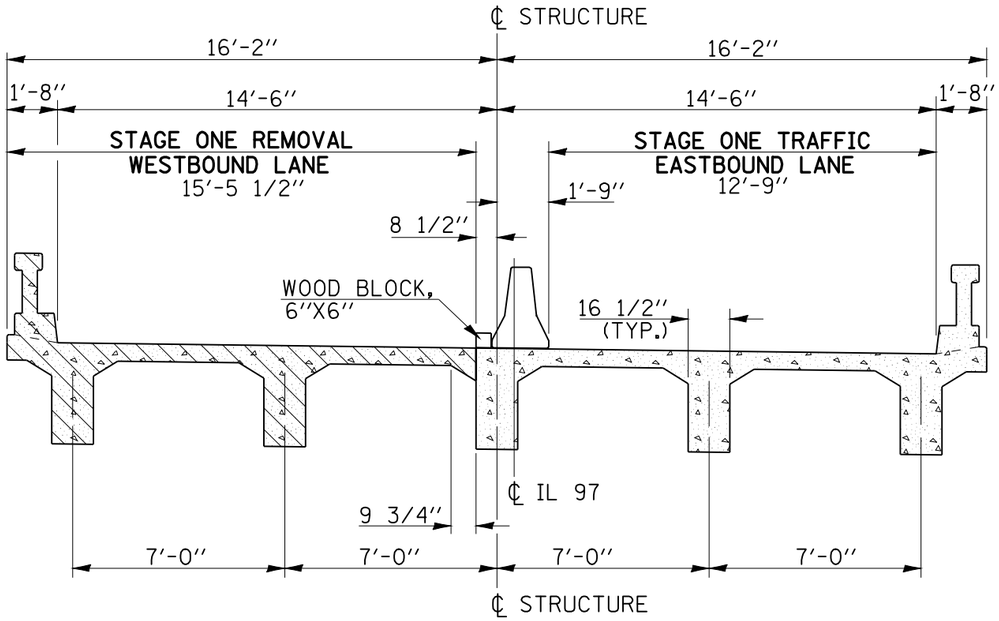
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-pht-staging.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-31-2008 08:45:45AM	DATE - 02-27-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

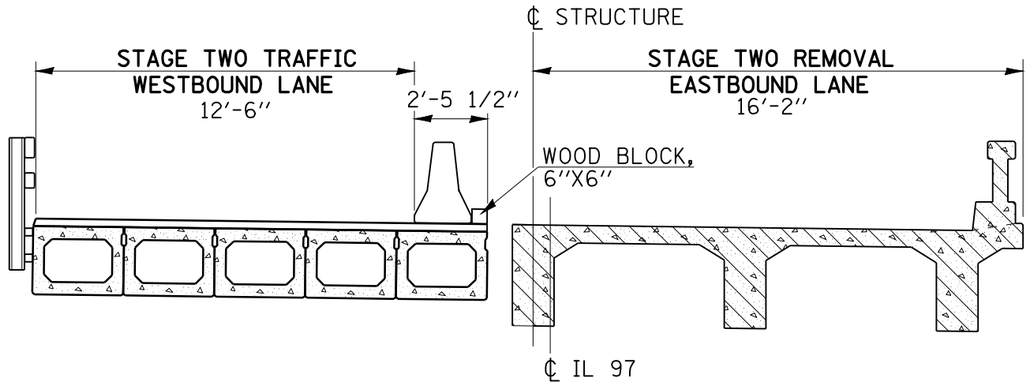
STAGE CONSTRUCTION LAYOUT

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

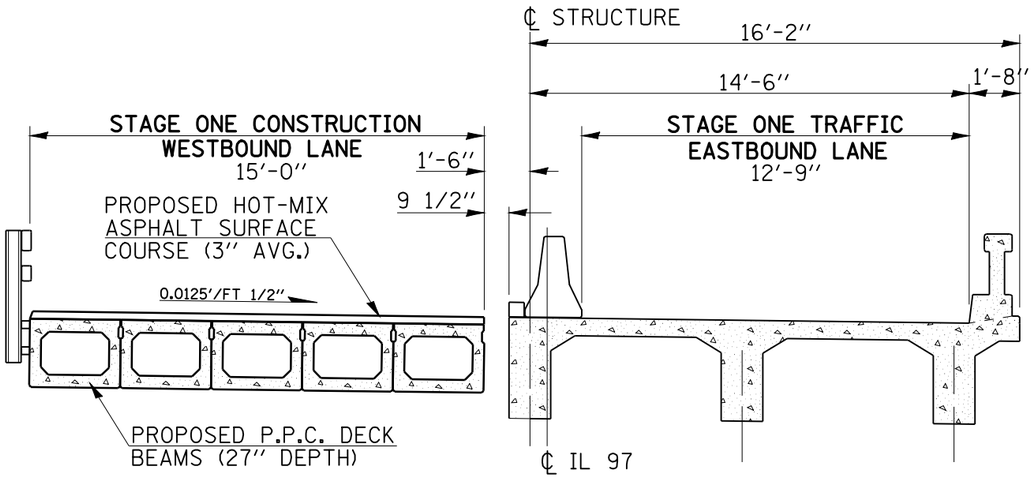
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	11
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



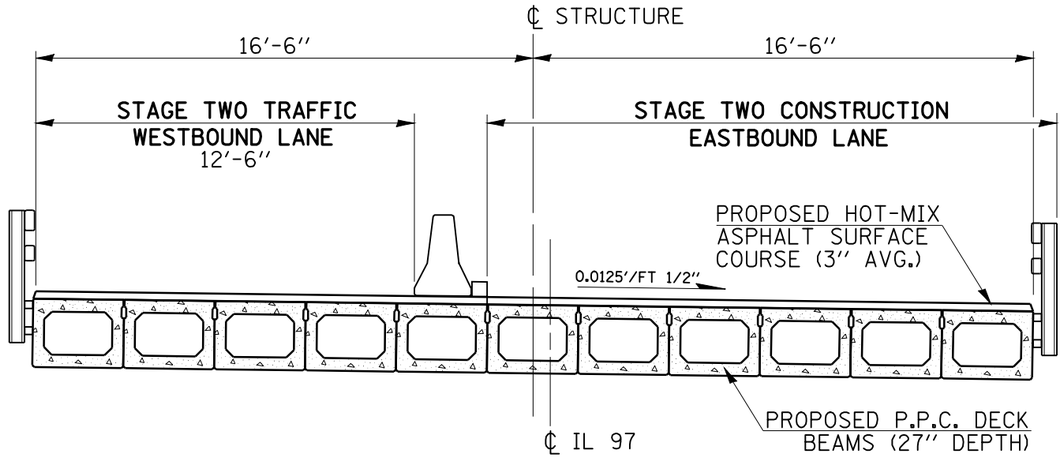
LOOKING EAST



LOOKING EAST

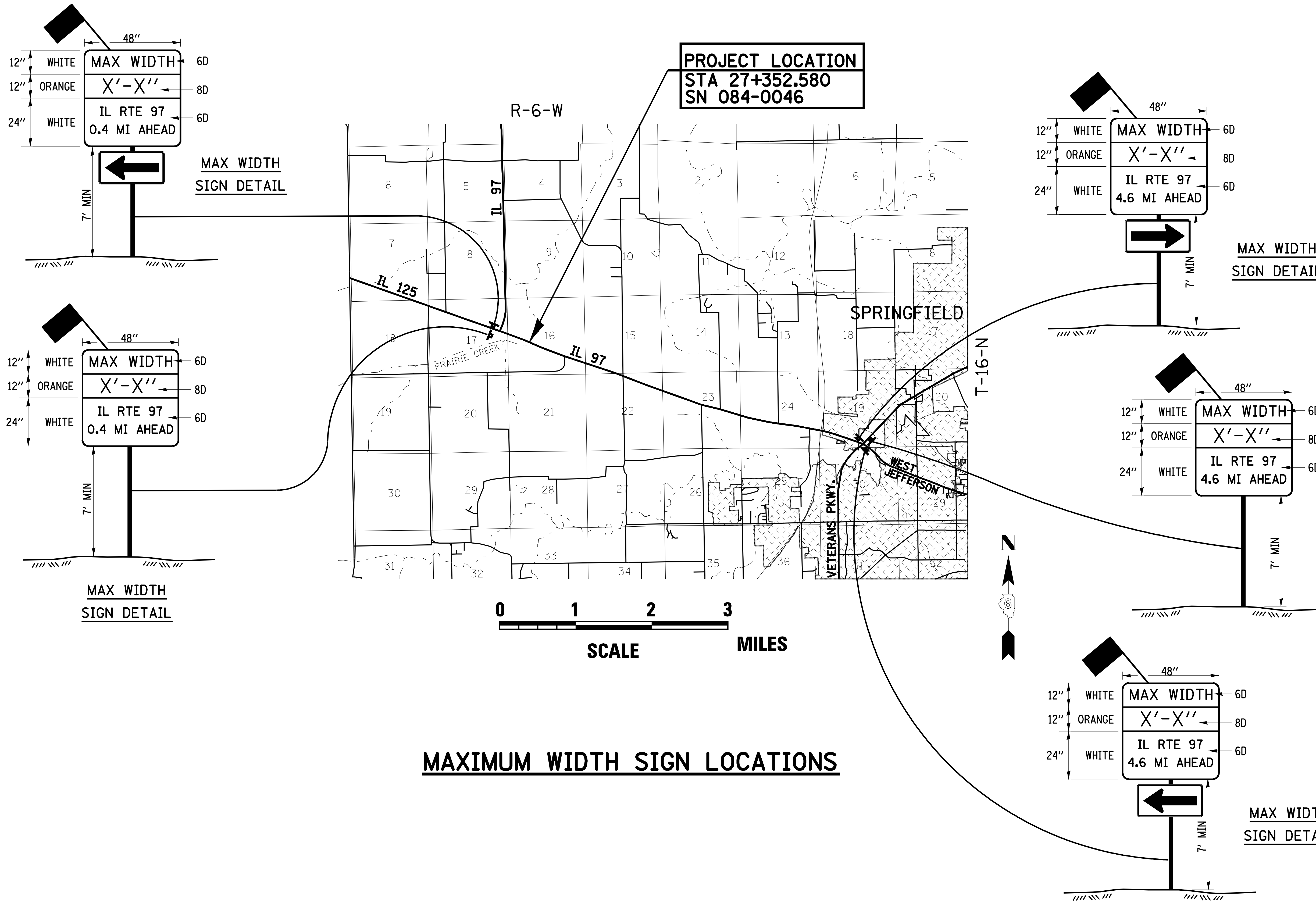


LOOKING EAST



LOOKING EAST

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-ent-staging.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION SECTIONS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / IN.	DRAWN - RTS	REVISED -			67	(W)BR	SANGAMON	29	12
	PLOT DATE = Mar-21-2008 03:01:02PM	CHECKED - MEB	REVISED -					CONTRACT NO. 72B70		
		DATE - 02-27-08	REVISED -		SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MAXIMUM WIDTH SIGN LOCATIONS

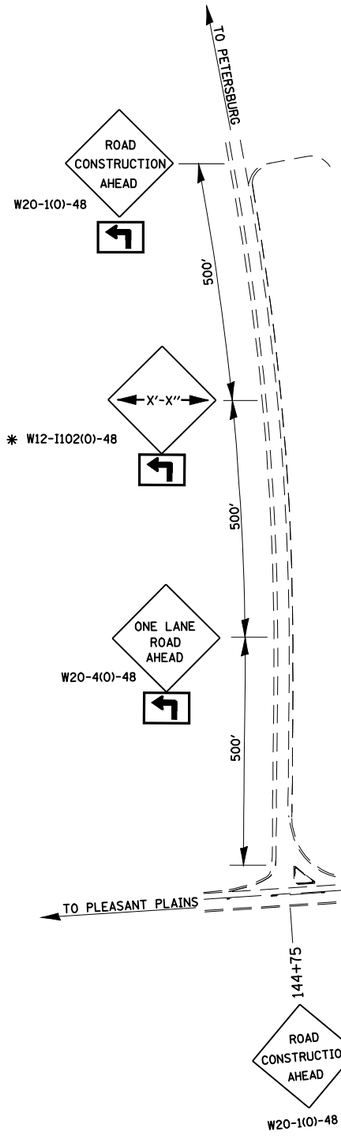
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-staging.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-21-2008 03:01:05PM	DATE - 03-04-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAXIMUM WIDTH SIGNING

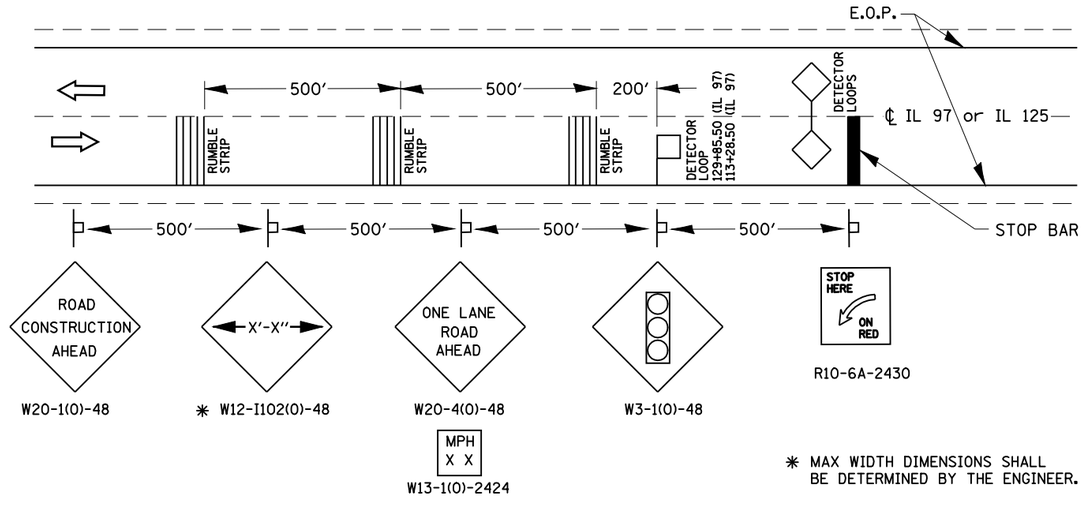
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	13
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

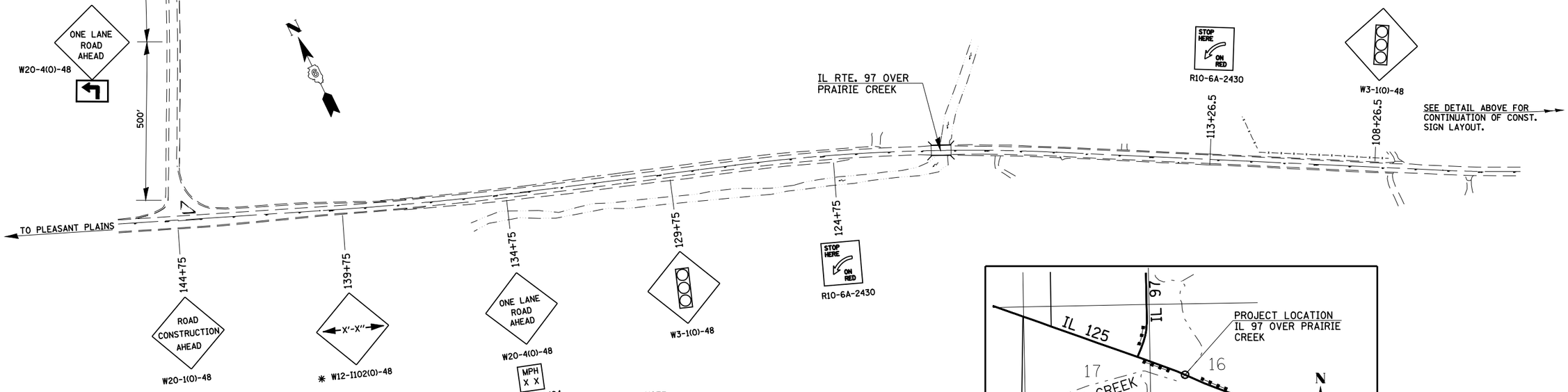


* MAX WIDTH DIMENSIONS SHALL BE DETERMINED BY THE ENGINEER.

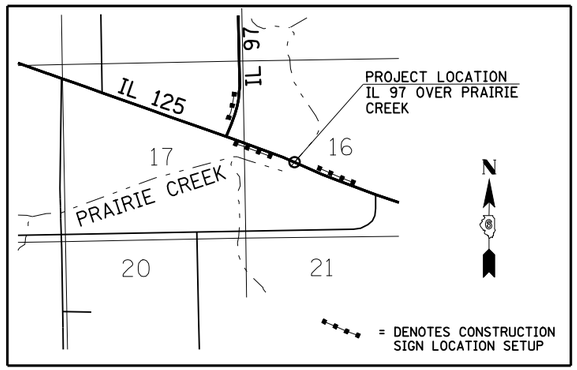
TYPICAL ROAD CONSTRUCTION SIGNING DETAIL FOR IL RTE. 97



* MAX WIDTH DIMENSIONS SHALL BE DETERMINED BY THE ENGINEER.



NOTE:
STATIONS ARE APPROXIMATE, FINAL SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.



FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-staging.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - RTS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MEB	REVISED -
	PLOT DATE = Mar-31-2008 10:24:14AM	DATE - 03-27-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SIGNING LAYOUT

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

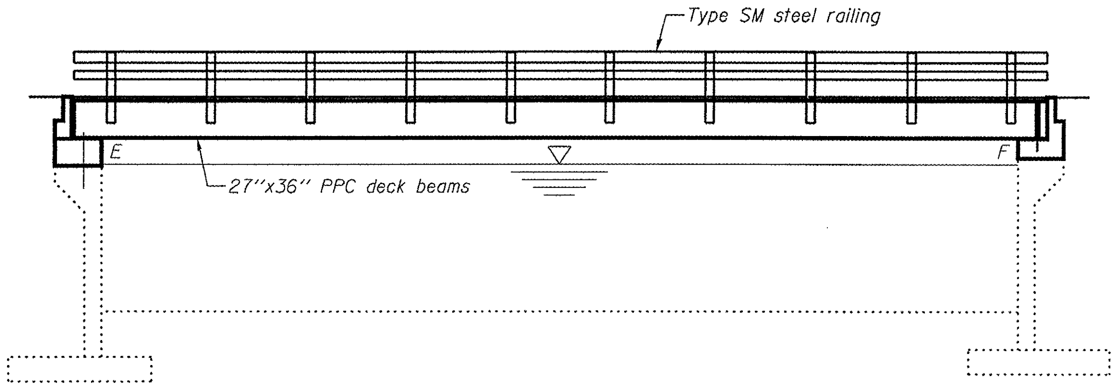
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	13A
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
8 SHEETS

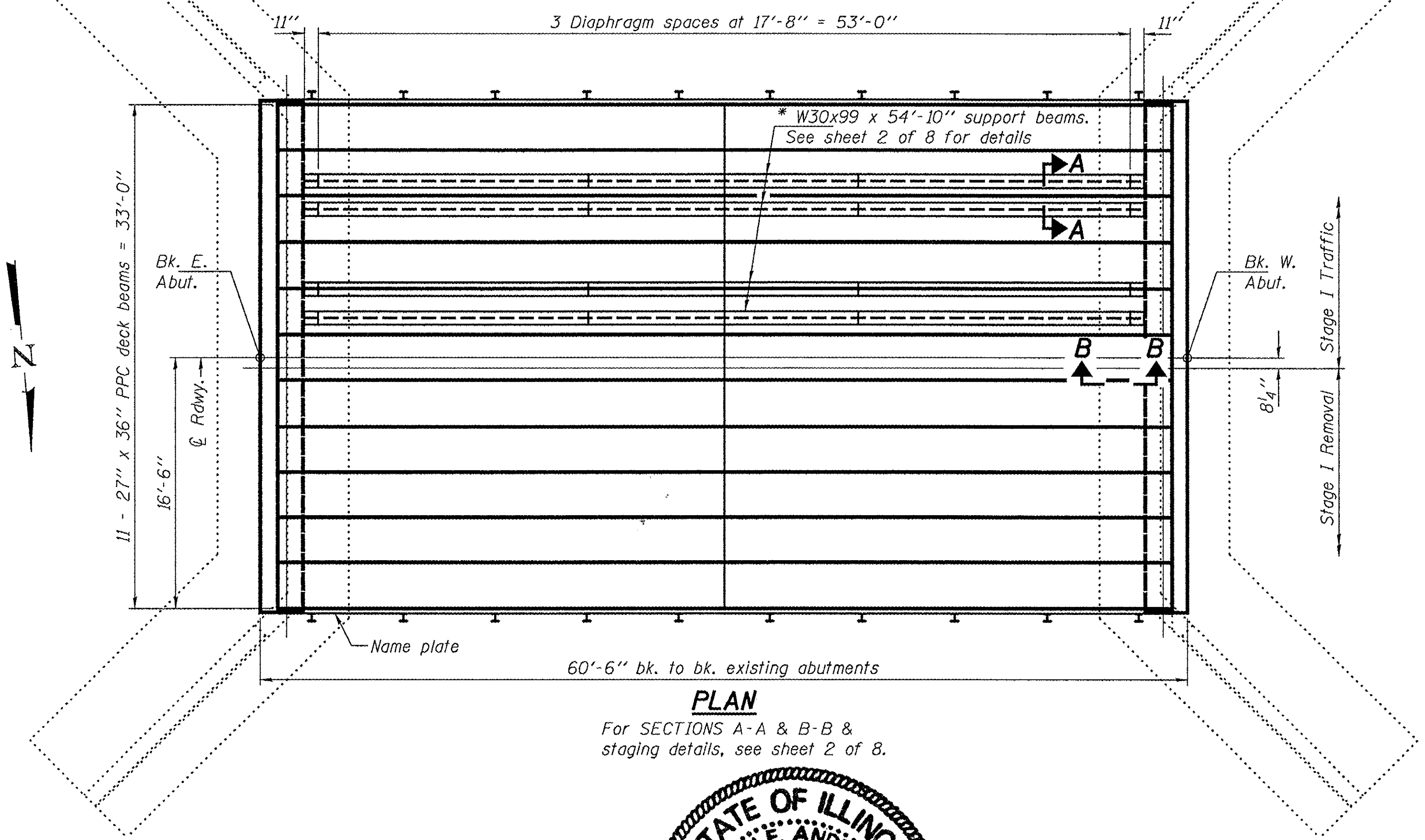
Contract Number: 72B70

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



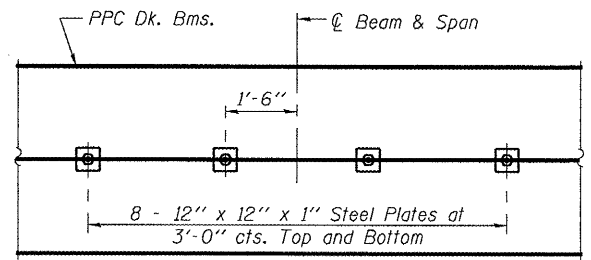
ELEVATION

* To be installed prior to switching traffic over for Stage I.
Steel beams to be salvaged.
See Special Provision for Erecting Structural Steel.

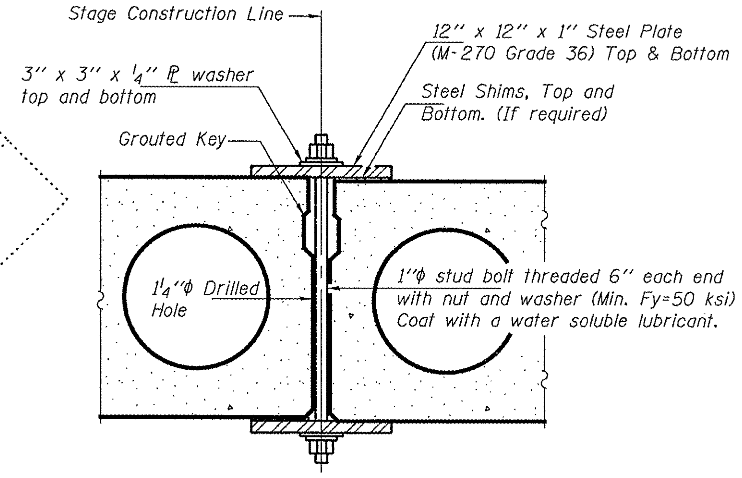


PLAN

For SECTIONS A-A & B-B & staging details, see sheet 2 of 8.



PLAN



SECTION

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

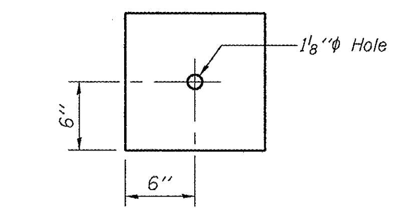
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Attach new name plate to the backside of 8" Rail element. Existing name plate is to be removed, cleaned and relocated adjacent to new name plate. Cost included in the cost of Name Plates.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with HMA Surface Course.

Temporary concrete barrier shall only be anchored into overlay and not into the PPC deck beams.



CLAMPING PLATE

Notes:
See Special Provisions for Stage Construction Precast Prestressed Concrete Deck Beams.
See Stage Construction Detail for traffic lane.
Cost is included with Erecting Precast Prestressed Concrete Deck Beams.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	6.8		6.8
Concrete Structures	Cu. Yd.		9.6	9.6
Concrete Superstructure	Cu. Yd.	4.8		4.8
Name Plates	Each	1		1
Erecting Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1927		1927
Reinforcement Bars, Epoxy Coated	Pound		1680	1680
Removal of Existing Superstructures	Each	1		1
Steel Railing, Type SM	Foot	121		121
Waterproofing Membrane System	Sq. Yd.	214		214
Erecting Structural Steel	Pound		26060	26060
Silicone Joint Sealer	Foot	33		33
Hot-Mix Asphalt Surface Course, Mix "D", N70	Tons	36		36
Polymer Concrete	Cu. Ft.	1.2		1.2
PC Mortar Fairing Course	Foot	584		584
Bar Splicers	Each	8	8	16

LOADING HS20-44

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications

DESIGN STRESSES

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

PRECAST PRESTRESSED UNITS
f'c = 5,000 psi
f'ci = 4,000 psi
f's = 270,000 psi (½"φ low lax strands)
f'si = 201,960 psi (½"φ low lax strands)

STATION 270+33
REBUILT 2008 BY
STATE OF ILLINOIS
LOADING HS20
STRUCTURE NO. 084-0046

NAME PLATE
See Std. 515001

STATE OF ILLINOIS
RALPH E. ANDERSON
081-004625
SPRINGFIELD
LICENSED STRUCTURAL ENGINEER
EXPIRES 11-30-2008

DESIGNED	Victor H. Veliz
CHECKED	Adrian T. Holloway
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson — ENGINEER OF BRIDGES AND STRUCTURES

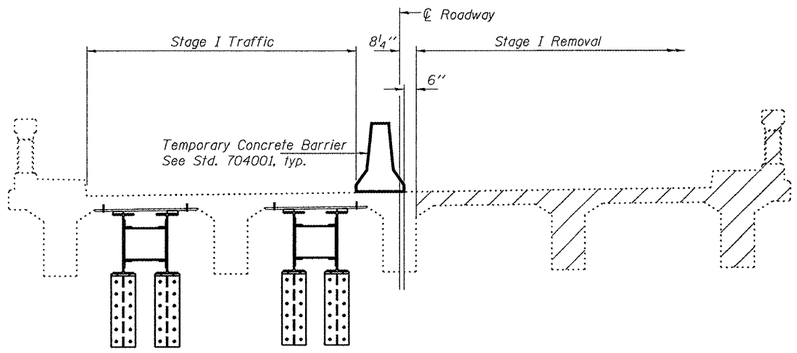
PLAN AND ELEVATION
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

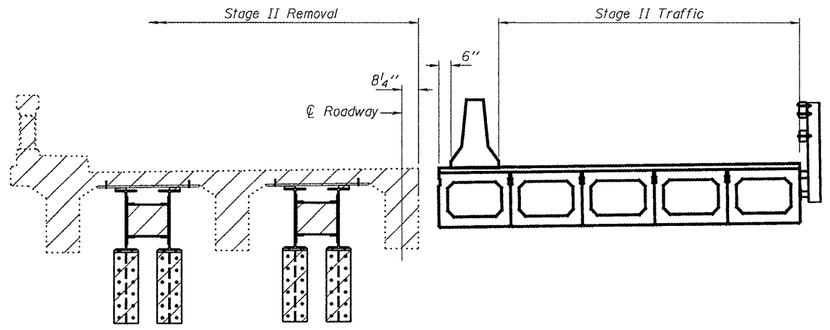
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 2
8 SHEETS

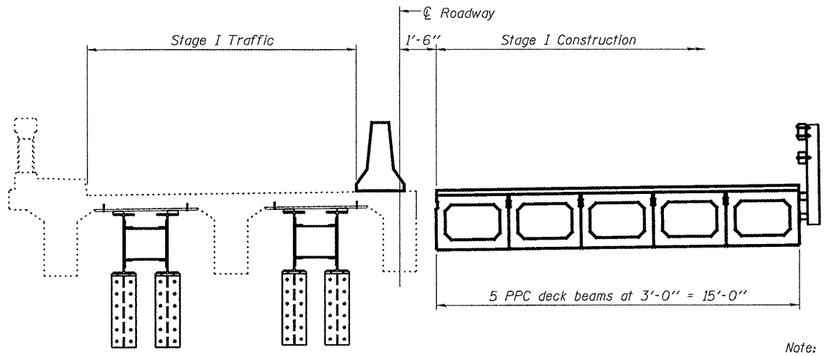
Contract Number: 72B70



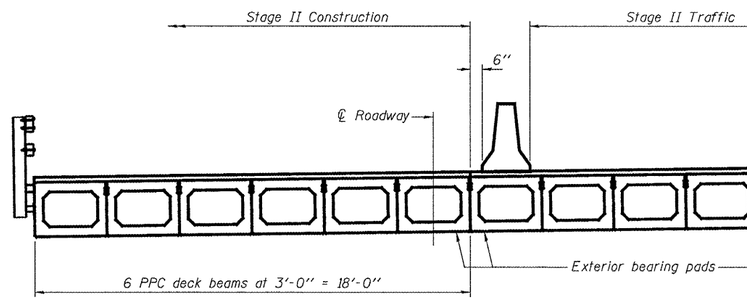
STAGE I REMOVAL



STAGE II REMOVAL

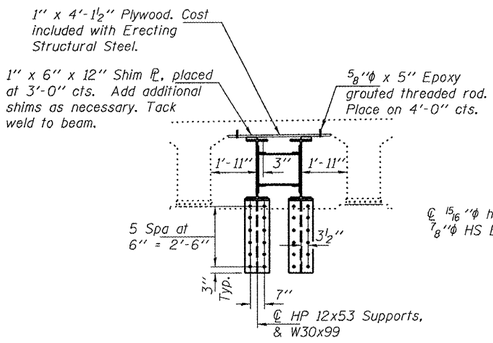


STAGE I CONSTRUCTION

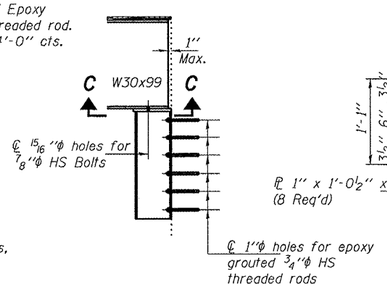


STAGE II CONSTRUCTION

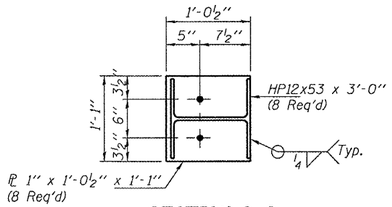
Note:
All views are looking West.
Hatched areas indicate Removal.
After removal, anchor bolts for HP sections to be cut flush with wall and sealed. Typ.



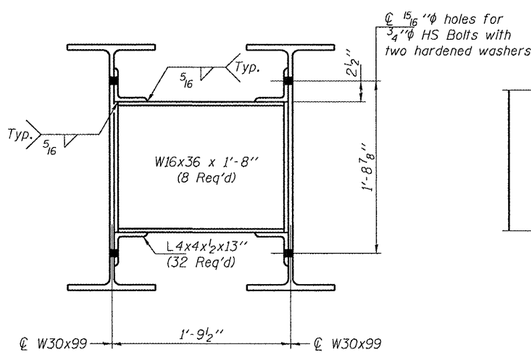
SECTION A-A



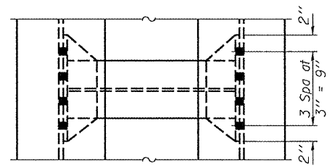
SECTION B-B



SECTION C-C



DIAPHRAGM ELEVATION



DIAPHRAGM PLAN

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED A. Carl Kruger
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

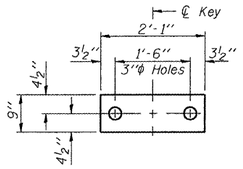
STAGING DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

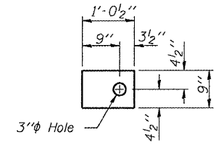
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	16
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 3
8 SHEETS

Contract Number: 72B70

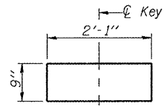


FABRIC BEARING PAD (Interior)



FABRIC BEARING PAD (Exterior)

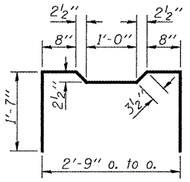
FIXED



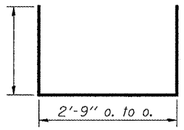
FABRIC BEARING PAD (Interior)

FABRIC BEARING PAD (Exterior)

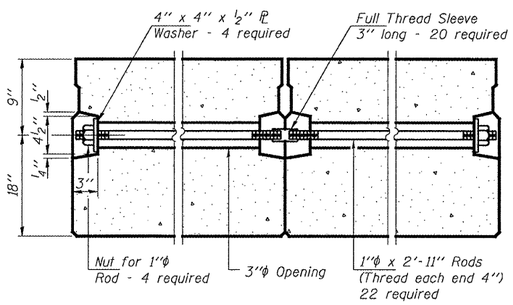
EXPANSION



BAR A1

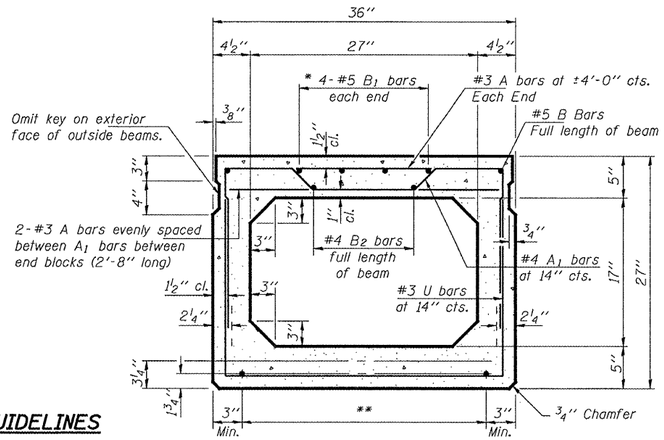


BARS U & U1



TYPICAL TRANSVERSE TIE ASSEMBLY

* 0.2 x Length of beam



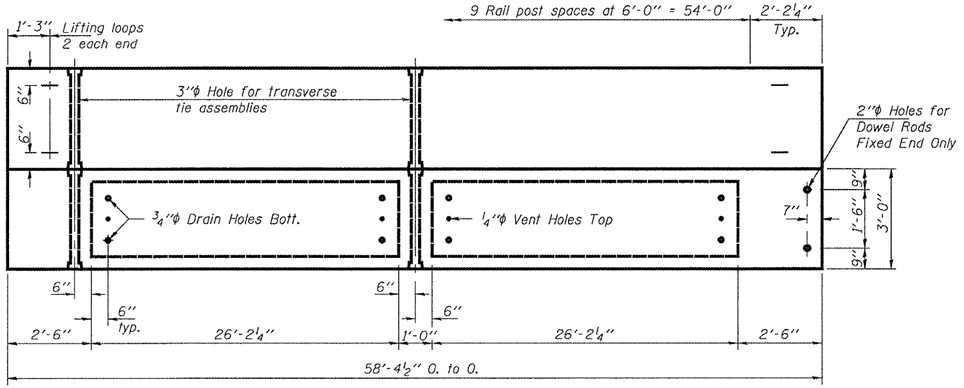
TYPICAL SECTION

½"ϕ Strands. Each Strand Stressed to 30,900 Lbs.
6-Strands 1¾" up, 6-Strands 3¼" up, 2-Strands 4½" up

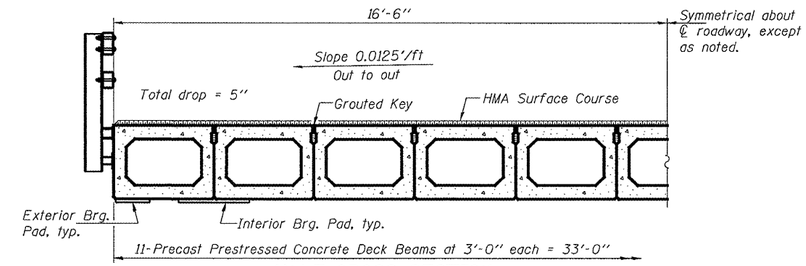
* TRANSVERSE PLACEMENT GUIDELINES

1. Place strands symmetrically about centerline of beam.
2. The minimum distance from center to center of strands in all directions shall be 2".
3. The minimum clearance from strand to dowel hole shall be ½".
4. The minimum clearance from strand to void shall be 1½".

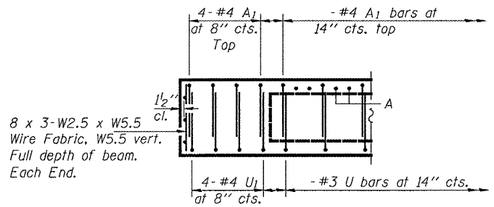
Vertical placement of strands shall not be adjusted to satisfy the above guidelines.



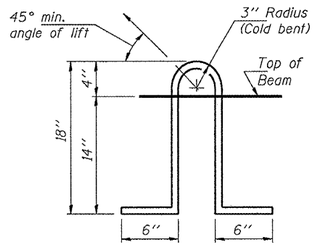
PLAN



HALF CROSS SECTION
(Looking West)



END ELEVATION



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.
Lifting loops shall be 2-½"ϕ-270 ksi strands, as shown.
The 1"ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.
Non prestressing steel shall conform to ASTM A 706 (IL MOD), Grade 60.
The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two ⅛" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.
Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.
Corrosion Inhibitor, per Article 1020.05(b)(12) of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Required Release Strength, f'ci, shall be 4000 p.s.i.

BILL OF MATERIAL

Erecting Precast Prestressed Conc. Deck Bms. (27" Depth)	Sq. Ft.	1927

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

PD-5-S 11-1-06

BEAM DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

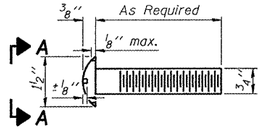
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

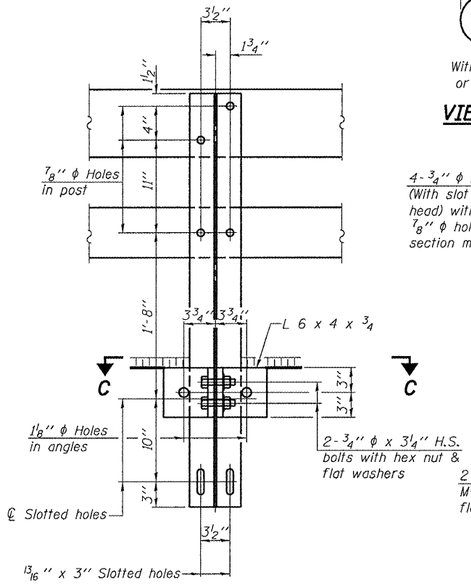
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4
8 SHEETS

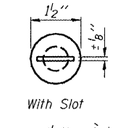
Contract Number: 72B70

DETAIL OF $\frac{3}{4}$" ϕ ROUND HEAD BOLT

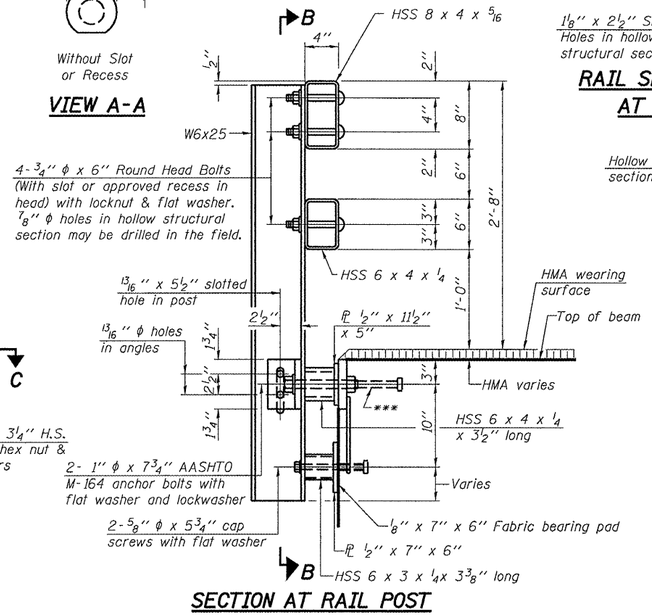




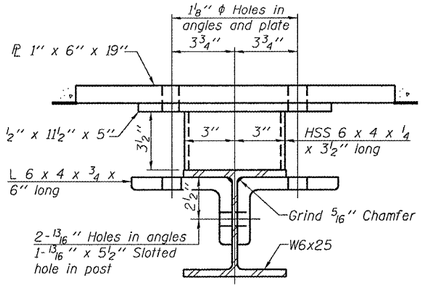
SECTION B-B



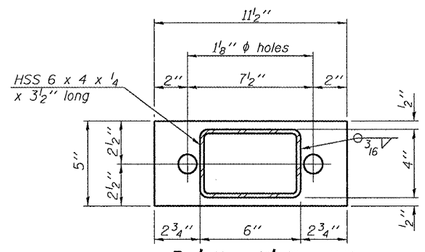
VIEW A-A

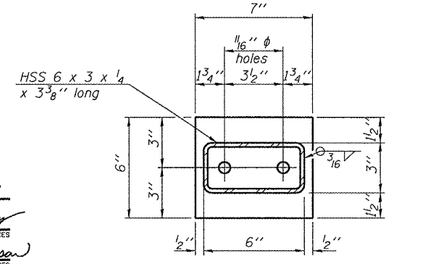


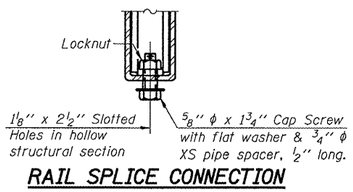
SECTION AT RAIL POST



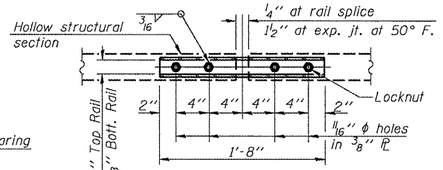
SECTION C-C





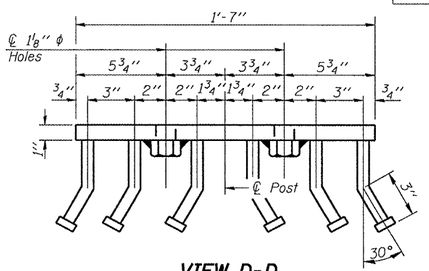


RAIL SPLICE CONNECTION AT EXPANSION JT.

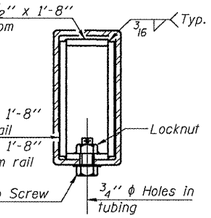


PLAN-BOTT. SPLICE Pl TYPICAL

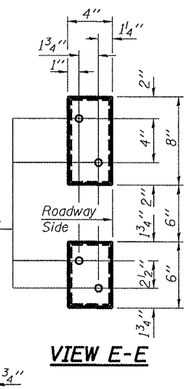
℄ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032



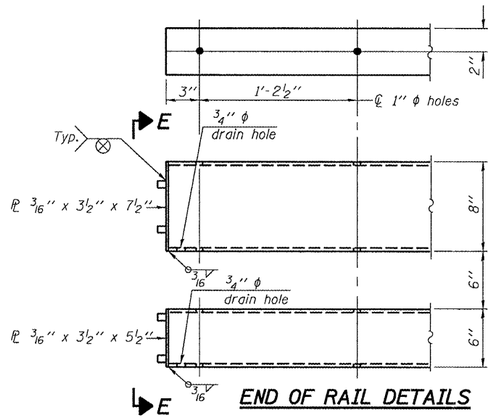
VIEW D-D



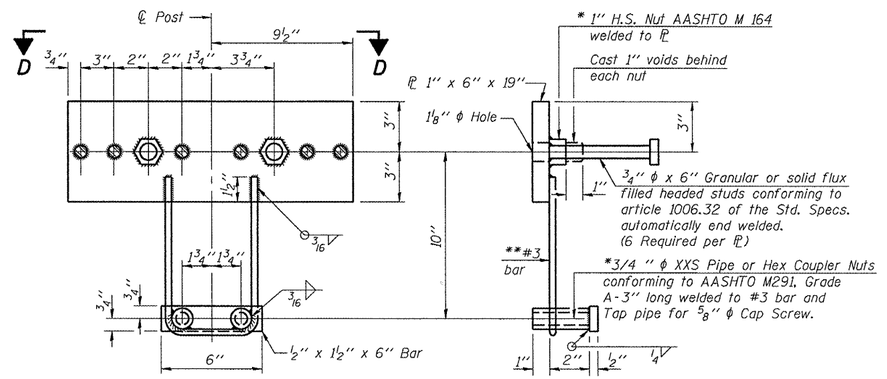
SECTION AT RAIL SPLICE



VIEW E-E



END OF RAIL DETAILS



ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

**Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient 1/2" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.

All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.

***The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	121

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

R-34HMAWS 9-3-07 (6'-3" Maximum Post Spacing) (1 1/4" minimum to 3 3/8" maximum HMA thickness)

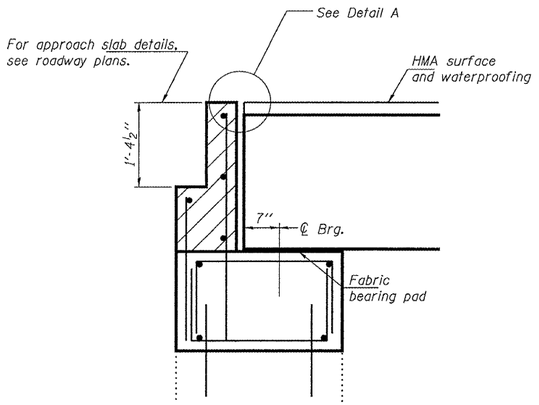
RAILING DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

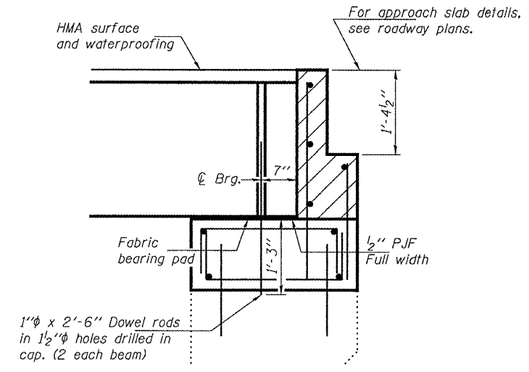
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 5
8 SHEETS

Contract Number: 72B70

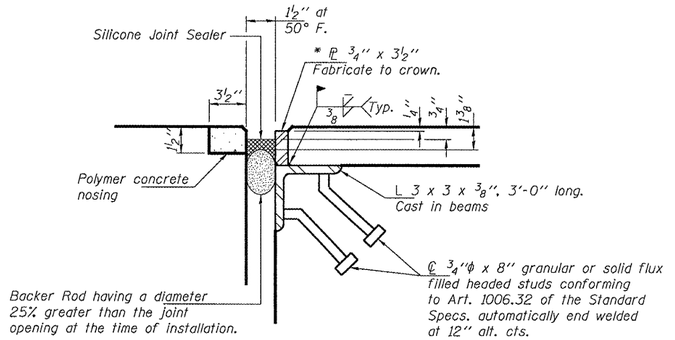


SECTION THRU E. ABUTMENT



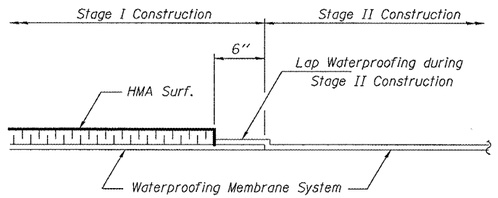
SECTION THRU W. ABUTMENT

Notes :
After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
Hatched area to be poured after beams are in place.

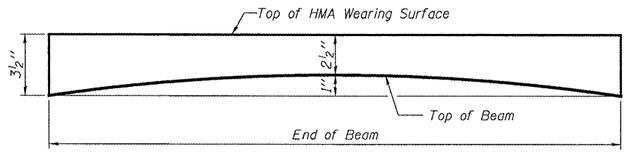


DETAIL A

* Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 3/16". Seal space with Silicone Sealant suitable for Structural Steel. After fabrication, all surfaces of the steel ℙ shall be given one shop coat of paint specified for structural steel. No field painting required. Cost included with HMA Surface Course.



WATERPROOFING TREATMENT AT STAGE CONSTRUCTION



ANTICIPATED INITIAL CAMBER DIAGRAM

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

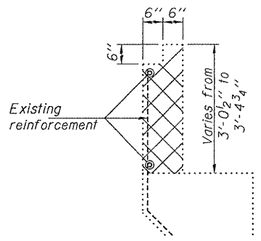
JOINT DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

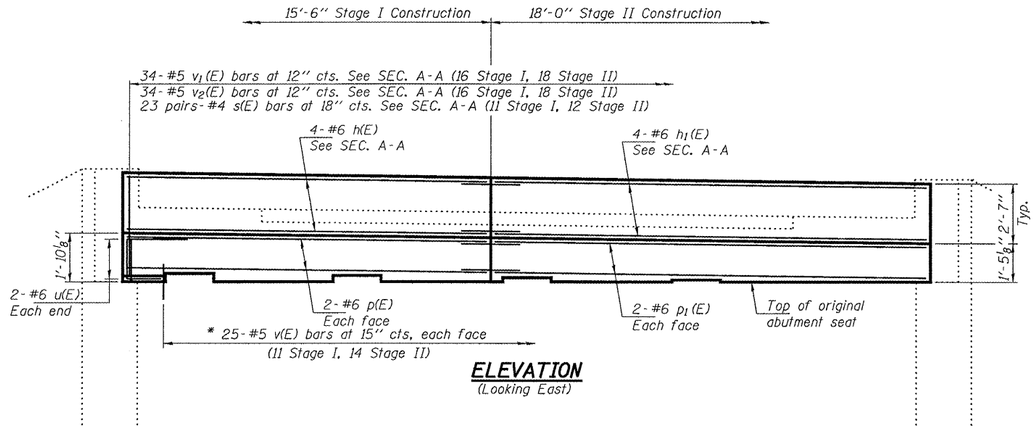
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
8 SHEETS

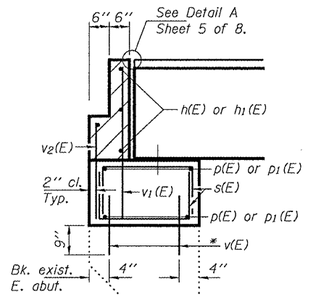
Contract Number: 72B70



SEC. THRU EXIST. ABUT.

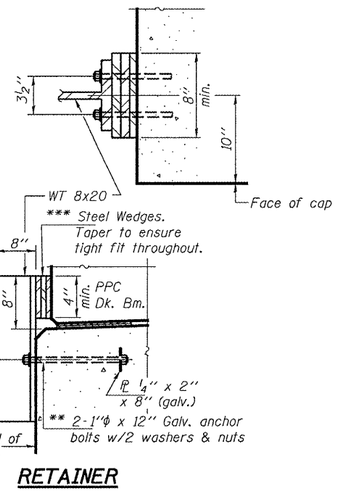


ELEVATION
(Looking East)

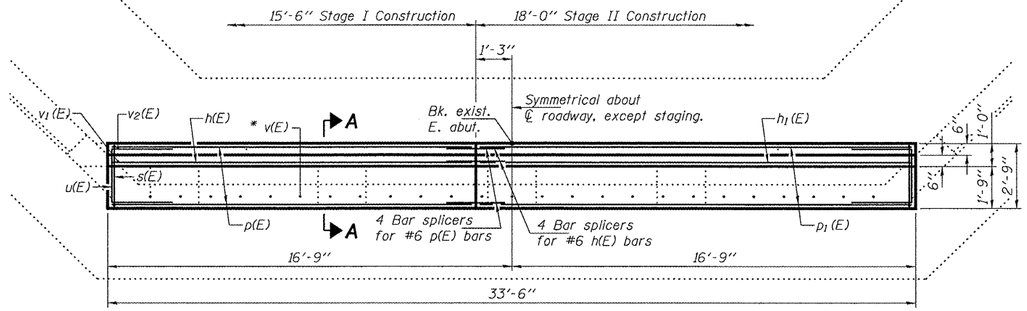


SECTION A-A

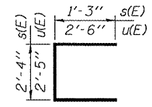
* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



RETAINER



PLAN



BARS s(E) & u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#6	15'-2"	——
h1(E)	4	#6	17'-8"	——
p(E)	4	#6	15'-2"	——
p1(E)	4	#6	17'-8"	——
s(E)	46	#4	4'-10"	⊓
u(E)	4	#6	7'-5"	⊏
v(E)	50	#5	1'-6"	——
v1(E)	34	#5	3'-6"	——
v2(E)	34	#5	2'-0"	——
Concrete Removal			Cu. Yd.	3.7
Concrete Structures			Cu. Yd.	5.6
Concrete Superstructure			Cu. Yd.	2.4
Reinforcement Bars, Epoxy Coated			Pound	860

** Anchor bolts may be cast into the masonry or approved threaded rod may be placed in drilled holes and grouted in place. Cost of retainer and accessories are included with Erecting Precast Prestressed Concrete Deck Beams.
*** Wedges to be removed after overlay is placed.

Notes:
Hatched area to be poured after beams are in place.
Cost of concrete included with Concrete Superstructure.
Cross hatched area indicates Concrete Removal.
All edges shall have standard ¾" chamfers except as noted.
Removal of concrete between T-girder stems at abutments is included with Removal of Existing Superstructures.

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

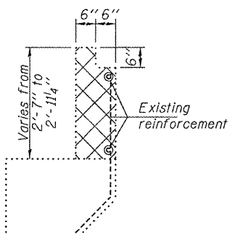
EAST ABUTMENT
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

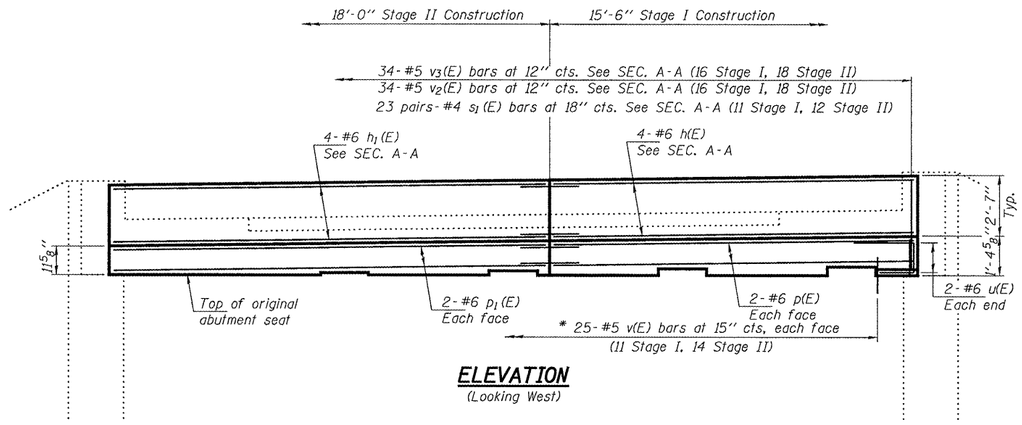
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	20
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
8 SHEETS

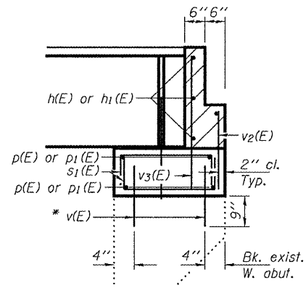
Contract Number: 72B70



SEC. THRU EXIST. ABUT.

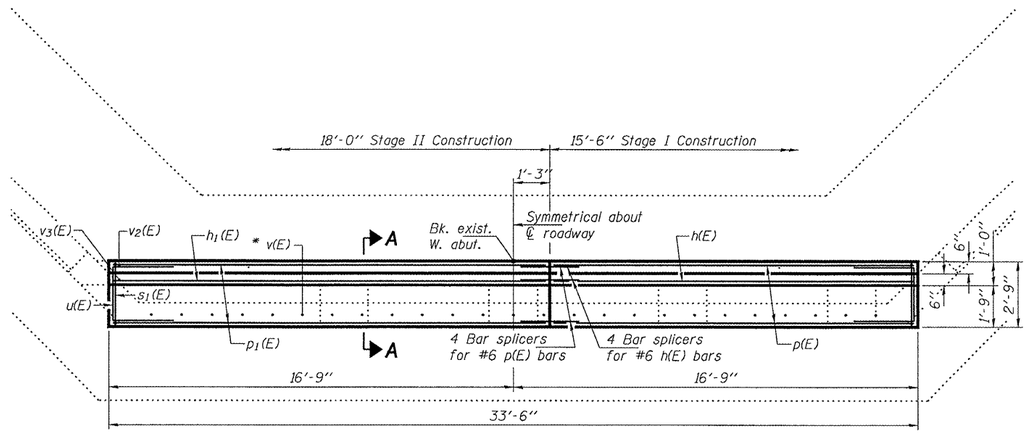


ELEVATION
(Looking West)

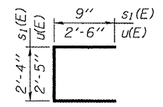


SECTION A-A

* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



PLAN



BARS s1(E) & u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#6	15'-2"	——
h1(E)	4	#6	17'-8"	——
p(E)	4	#6	15'-2"	——
p1(E)	4	#6	17'-8"	——
s1(E)	46	#4	3'-10"	⊓
u(E)	4	#6	7'-5"	⊏
v(E)	50	#5	1'-6"	——
v2(E)	34	#5	2'-0"	——
v3(E)	34	#5	3'-1"	——
Concrete Removal			Cu. Yd.	3.1
Concrete Structures			Cu. Yd.	4.0
Concrete Superstructure			Cu. Yd.	2.4
Reinforcement Bars, Epoxy Coated			Pound	820

Notes:
Hatched area to be poured after beams are in place.
Cost of concrete included with Concrete Superstructure.
Cross hatched area indicates Concrete Removal.
All edges shall have standard ¾" chamfers except as noted.
Removal of concrete between T-girder stems at abutments is included with Removal of Existing Superstructures.

WEST ABUTMENT
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

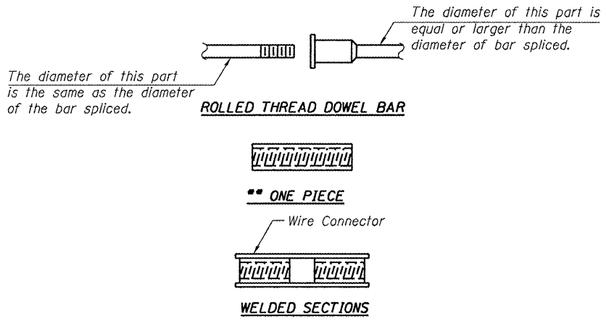
...\projects\dab00036\0840046.dgn 4/30/2008 3:08:35 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

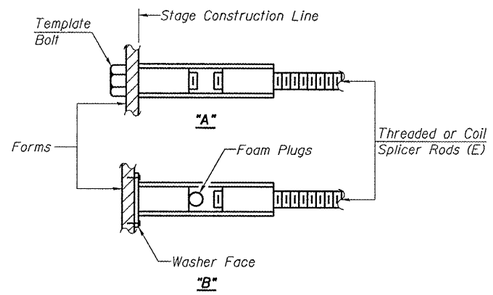
SHEET NO. 8
8 SHEETS

Contract Number: 72B70



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

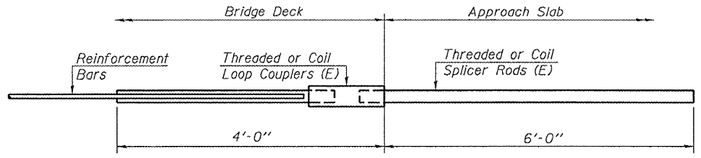
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_1$

② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_1$

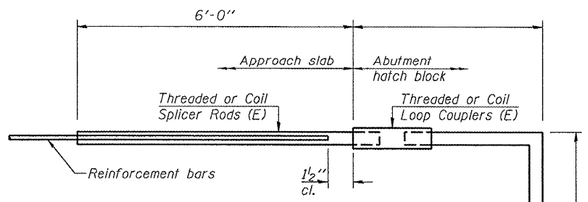
Where f_y = Yield strength of lapped reinforcement bars in ksi.
A_1 = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



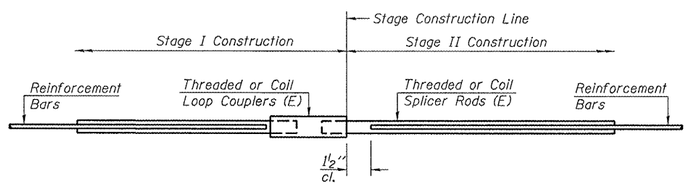
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location
#6	8	East Abutment
#6	8	West Abutment

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

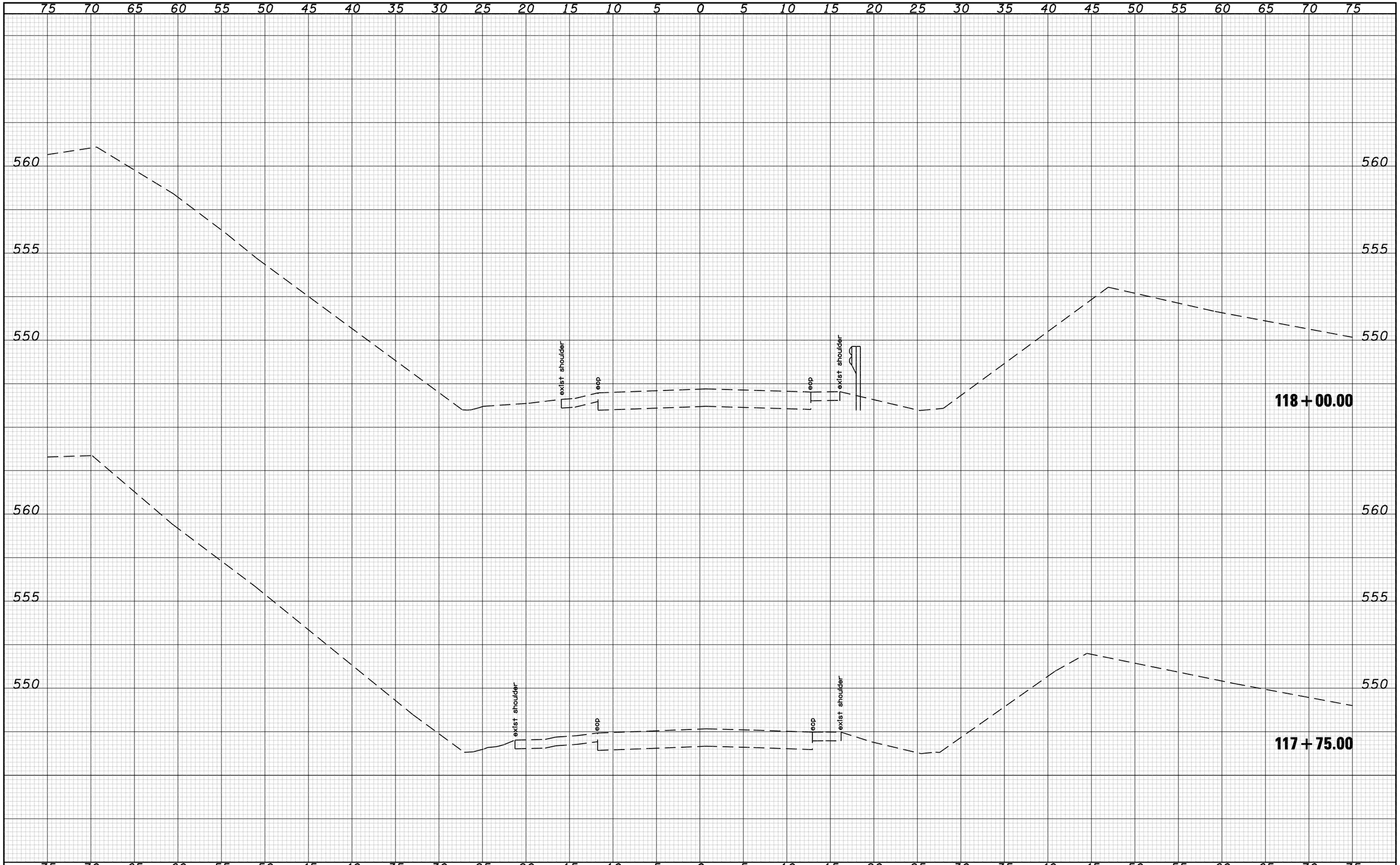
BSD-1 11-1-06

BAR SPLICER DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046

...\projects\dab00036\0840046.dgn 4/30/2008 3:08:36 PM

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

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



FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsect.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:22PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

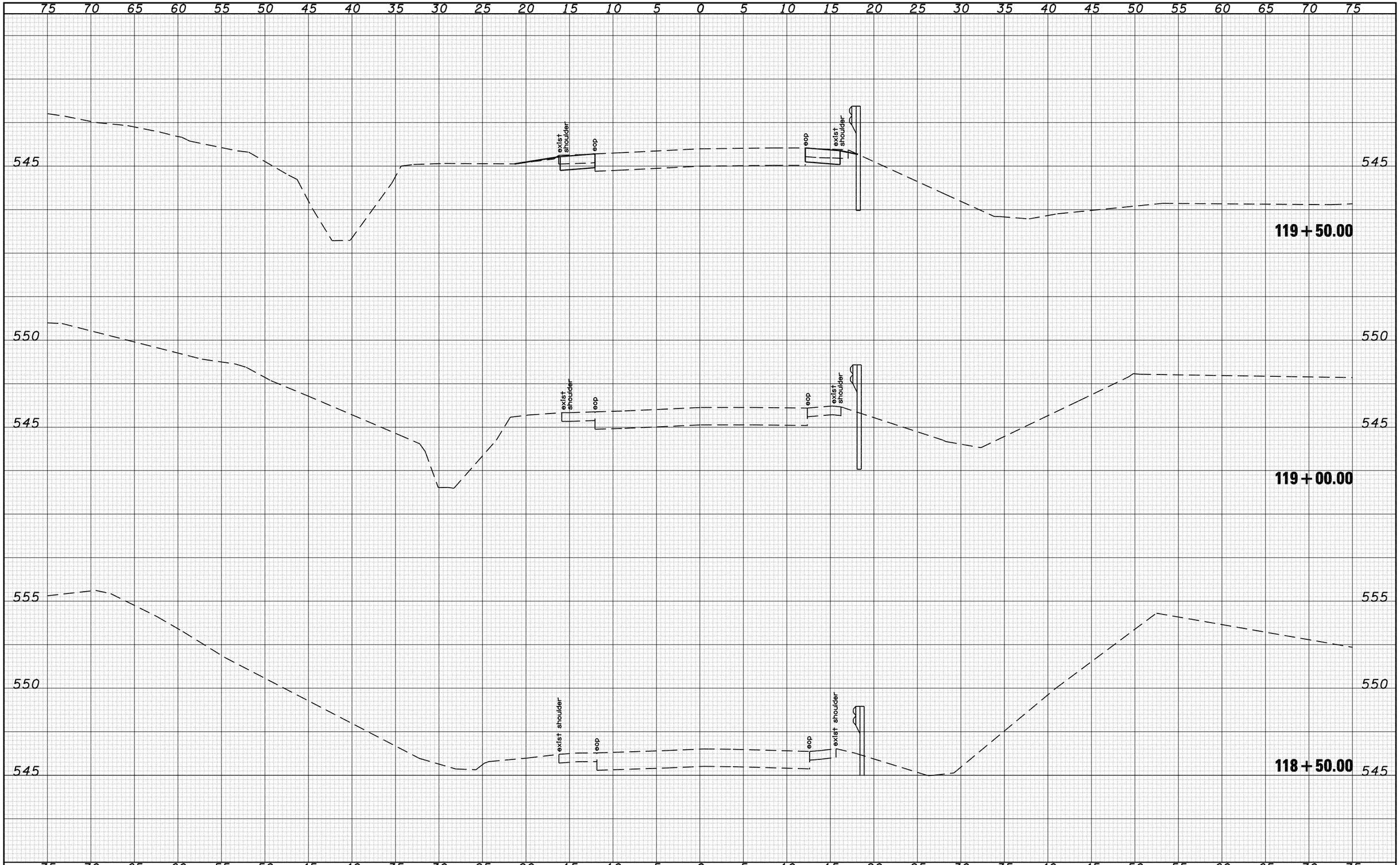
CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 1 OF 8 SHEETS | STA. 117+75.00 TO STA. 118+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	22
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	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	



FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsect.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:26PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 2 OF 8 SHEETS | STA. 118+50.00 TO STA. 119+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	23
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

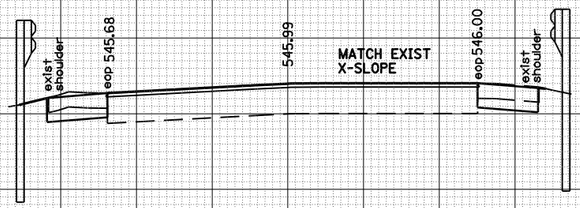
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

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

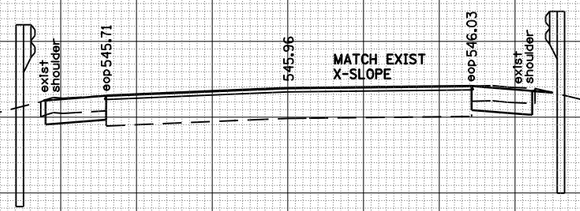
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

545

540



120 + 50.00



120 + 00.00

545

540

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

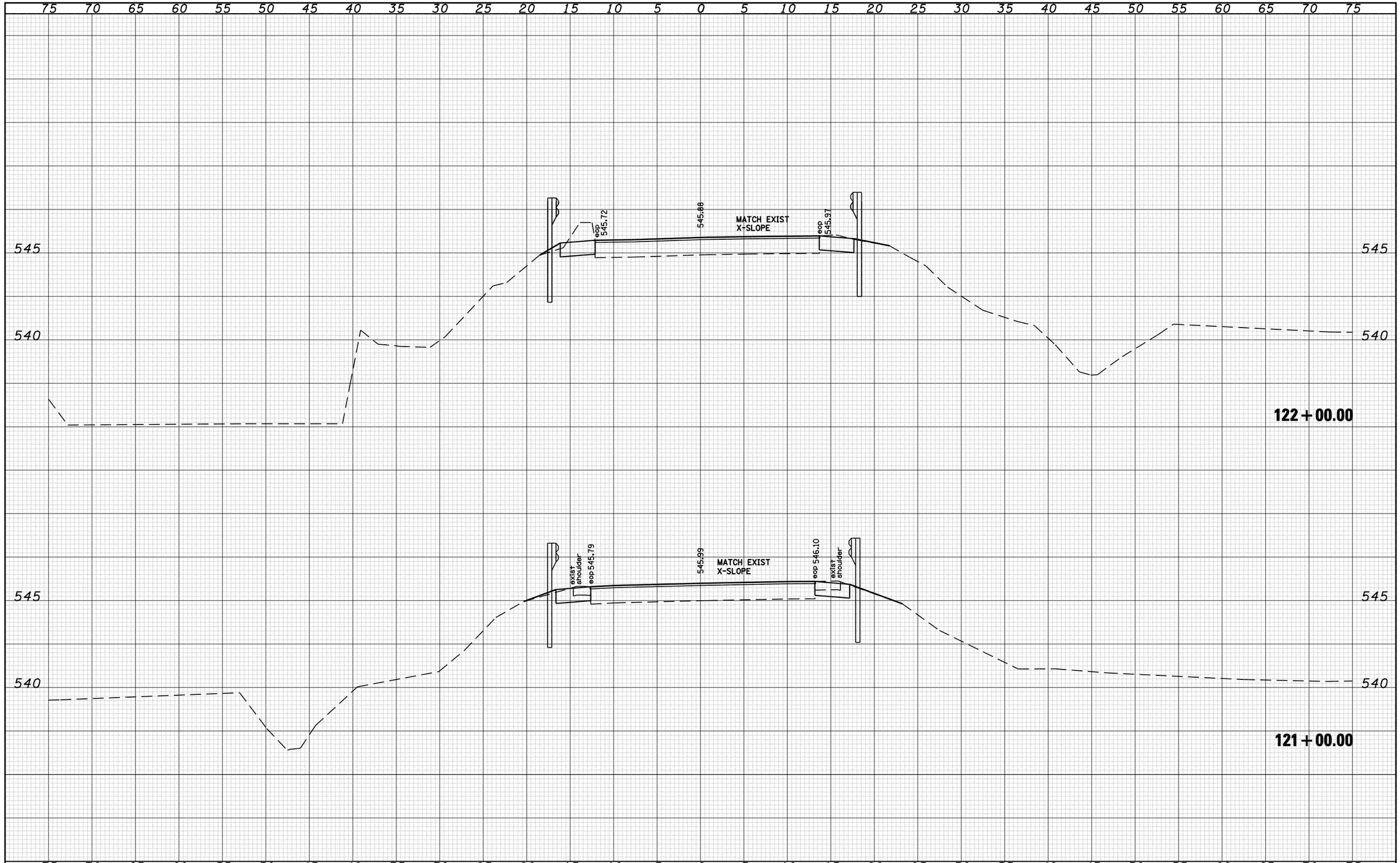
FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsect.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:29PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 3 OF 8 SHEETS | STA. 120+00.00 TO STA. 120+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	24
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsec.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:33PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

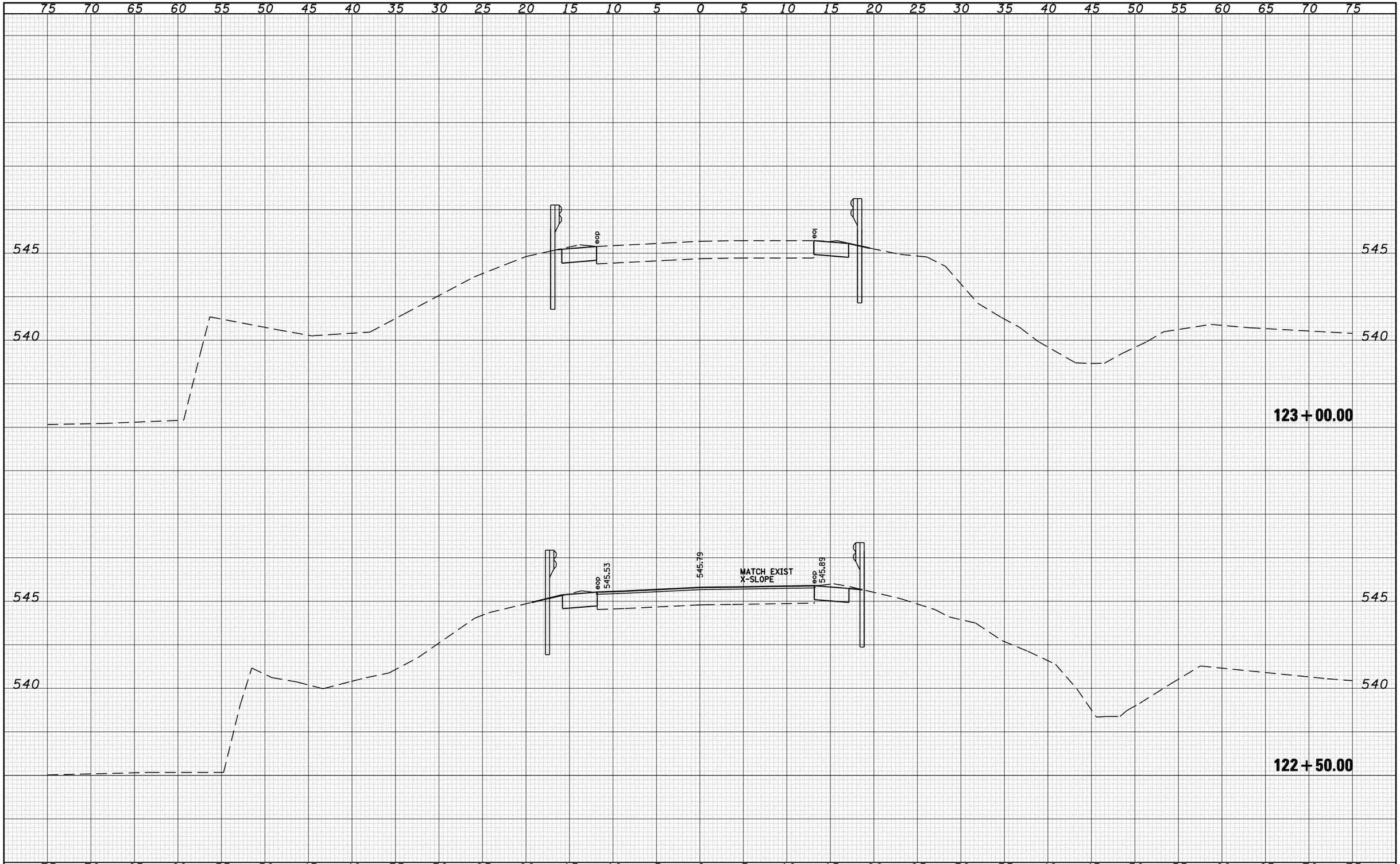
CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 4 OF 8 SHEETS | STA. 121+00.00 TO STA. 122+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	25
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	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

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsect.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:37PM	DATE -	REVISED -

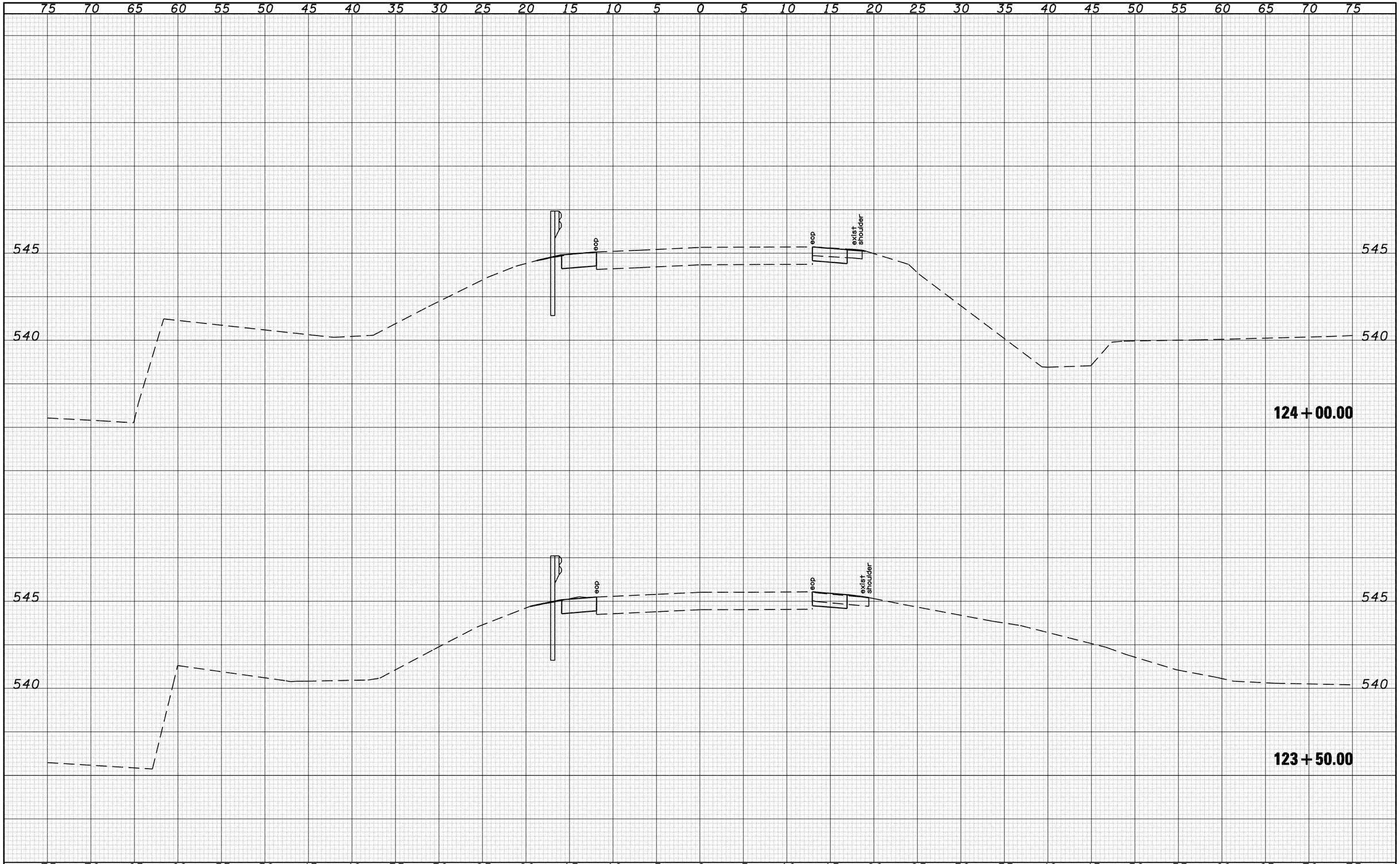
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 5 OF 8 SHEETS | STA. 122+50.00 TO STA. 123+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	26
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsec.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:40PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 6 OF 8 SHEETS | STA. 123+50.00 TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	27
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

545

540

exist shoulder

eop

eop

exist shoulder

125+00.00

545

540

exist shoulder

eop

eop

exist shoulder

124+50.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsect.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:44PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

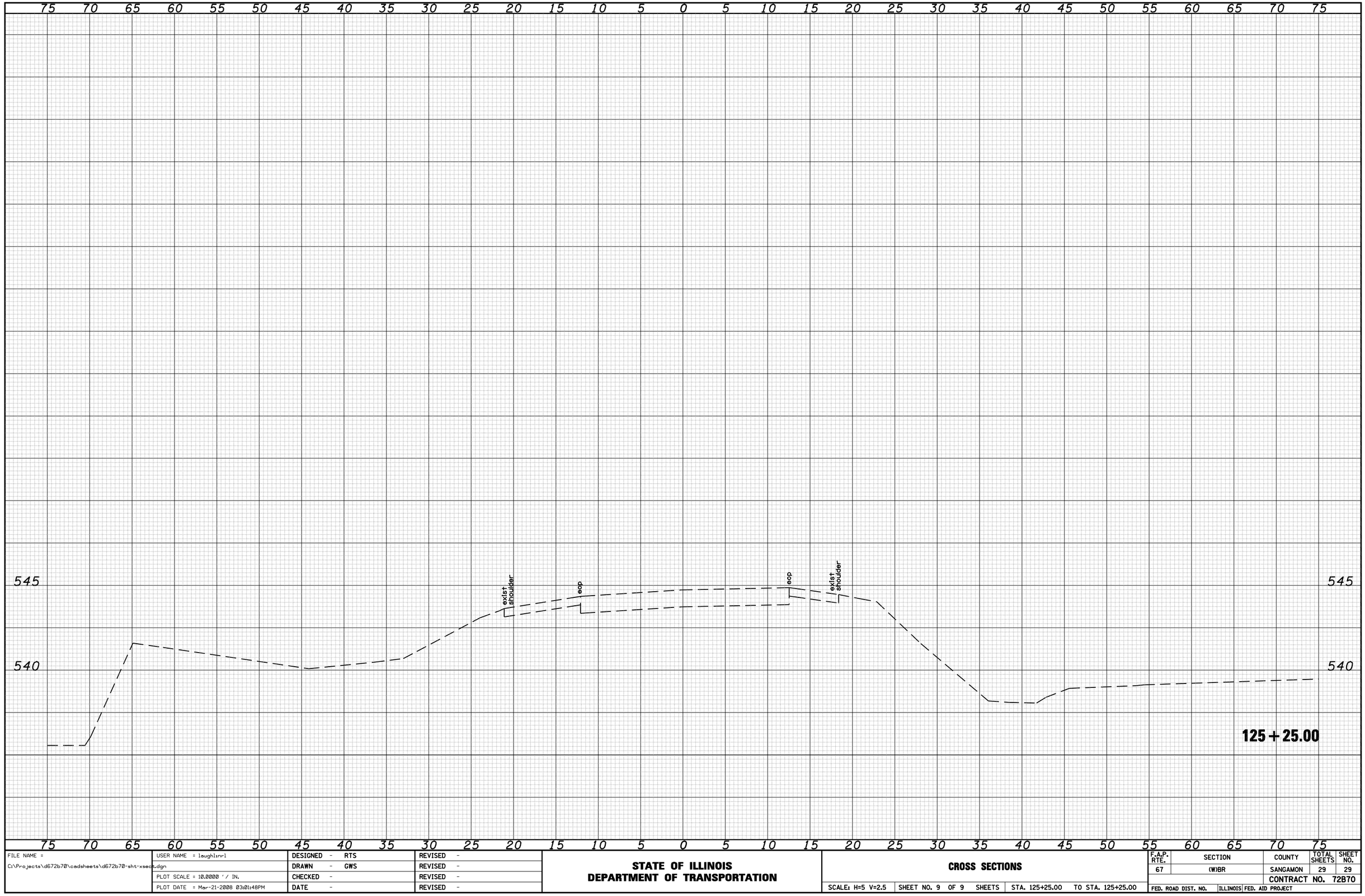
CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 7 OF 8 SHEETS | STA. 124+50.00 TO STA. 125+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	28
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	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	



FILE NAME = C:\Projects\d672b70\cadsheets\d672b70-sht-xsec.dgn	USER NAME = laughlinrl	DESIGNED - RTS	REVISED -
		DRAWN - GWS	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2008 03:01:48PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H=5 V=2.5 | SHEET NO. 9 OF 9 SHEETS | STA. 125+25.00 | TO STA. 125+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	(W)BR	SANGAMON	29	29
		CONTRACT NO. 72B70		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		