

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	(110, 111)RS-4	MADISON & ST. CLAIR	58	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76E29		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY IMPROVEMENT

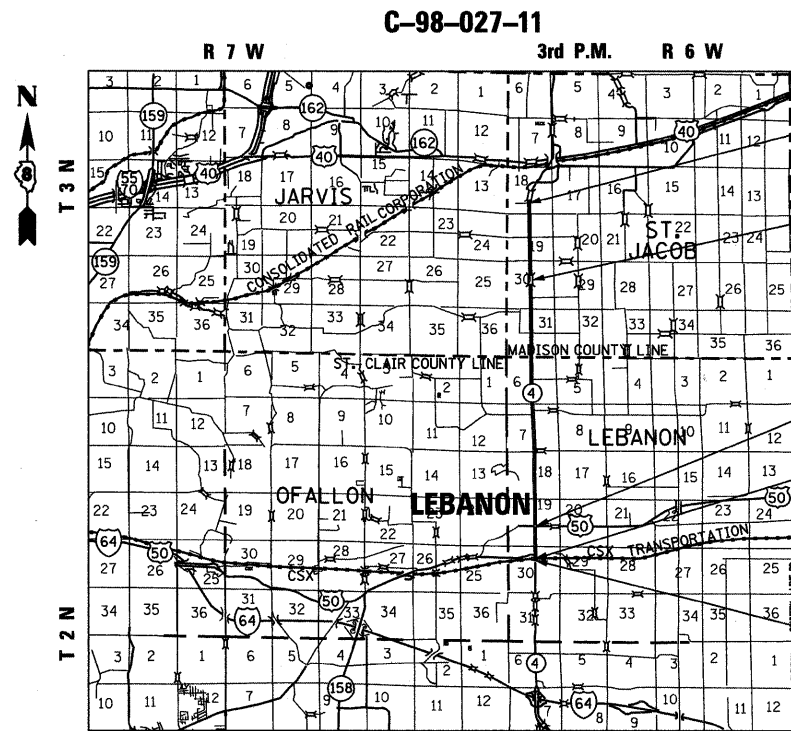
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAP ROUTE 314 (IL ROUTE 4)

SECTION (110, 111)RS-4

MADISON & ST. CLAIR COUNTIES

IL ROUTE 4 RESURFACING FROM 1 MILE SOUTH
OF US ROUTE 40 TO CSX RAILROAD



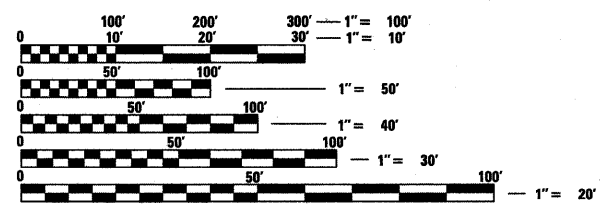
SECTION (110, 111)RS-4
ENDS STA 460+06.50
LATITUDE: 38.7032
LONGITUDE: -89.8099

BRIDGE OMISSION
STA 372+07.50 TO STA 373+73.50

PAVING OMISSION
STA 95+64.00 TO STA 101+75.70

RAILROAD OMISSION
STA 63+41.00 TO STA 63+50.00

SECTION (110, 111)RS-4
BEGINS STA 63+21.00
LATITUDE: 38.5944
LONGITUDE: -89.8077



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

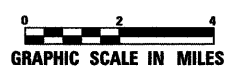
PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
SQUAD LEADER: CHERYL KEPLAR (618) 346-3186

CONTRACT NO. 76E29

DESIGN DESIGNATION

OTHER PRINCIPAL ARTERIAL 8.14 (PCC-20)
ADT: 17100 (2009) FAP ROUTE 314
4% TRUCKS

LOCATION MAP
ST. JACOB & LEBANON TOWNSHIP



GROSS SECTION LENGTH = 39,685.5 FEET = 7.516 MILES
RAILROAD OMISSION = 9.0 FEET = 0.002 MILES
PAVING OMISSION = 611.7 FEET = 0.116 MILES
BRIDGE OMISSION = 166.0 FEET = 0.031 MILES
NET SECTION LENGTH = 38,898.8 FEET = 7.367 MILES



Brian R. Mueller
ILLINOIS PROFESSIONAL ENGINEER NO. 062-052018 DATE 02-07-11
EXP. 11-30-2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 9 20 11
Mary C. James
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 25 20 11
Scott E. Stett, P.E.
Acting ENGINEER OF DESIGN AND ENVIRONMENT

March 25 20 11
Christine M. Reedle
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



BERNARDIN * LOCHMUELLER & ASSOCIATES, INC.
3 OAK DRIVE
MARYVILLE, ILLINOIS 62062
PHONE (618) 288-4665
FAX (618) 288-4666

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. DELETED
2. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF 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 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

<ul style="list-style-type: none"> •AMEREN ILLINOIS •AT&T ILLINOIS •CENTERPOINT ENERGY •CHARTER COMMUNICATIONS, INC. •HOME TELEPHONE COMPANY •KINDER MORGAN •CITY OF LEBANON •QWEST SOLUTIONS CENTER •TRI-TOWNSHIP WATER DISTRICT 	<ul style="list-style-type: none"> GAS AND ELECTRIC COMMUNICATIONS PIPELINE CABLE TV COMMUNICATIONS PIPELINE WATER & SANITARY SEWER COMMUNICATIONS WATER
--	---
- MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY •
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
5. PORTIONS OF THE PLANS WERE DEVELOPED FROM OFFICE RECORDS. THE TYPICAL SECTIONS REFLECT THE BEST INFORMATION AVAILABLE WITH REGARD TO EXISTING PAVEMENT COMPOSITION. REMOVAL ITEMS AND QUANTITIES HAVE BEEN BASED ON THIS DATA. THE CONTRACTOR SHALL VERIFY EDGES OR LIMITS OF REMOVAL ITEMS PRIOR TO THE ACTUAL WORK BEING PERFORMED. THE CONTRACTOR IS ADVISED THAT TOPOGRAPHIC FEATURES AND ENTRANCES MAY EXIST THAT ARE NOT PRESENTED ON THESE PLANS.
6. ANY EXCAVATION ADJACENT TO THE EDGE OF PAVEMENTS SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS
7. THE REMOVAL OF MISCELLANEOUS HOT-MIX ASPHALT SURFACES PLACED ON SHOULDERS OR OTHER AREAS FOR MAINTENANCE OPERATIONS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED FOR PAYMENT AS EARTH EXCAVATION.
8. ALL CONFLICTING GROUND MOUNTED SIGNS AND SIGN SUPPORTS ARE TO BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTIONS 724 OF THE STANDARD SPECIFICATIONS EXCEPT THAT IT WILL NOT BE MEASURED FOR PAYMENT BUT CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS OF WORK IN ACCORDANCE WITH ARTICLE 107.25. DAMAGE TO SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED ON ANY PORTION OF IL ROUTE 4
10. ACCESS SHALL BE MAINTAINED TO PUBLIC, PRIVATE AND COMMERCIAL PROPERTIES AT ALL TIMES.
11. THE EXISTING ROADWAY SURFACE WITHIN THE LIMITS OF THIS PROJECT IS ASPHALT. IT SHALL BE NOTED THAT ISOLATED LOCATIONS OF CONCRETE SURFACE ARE PRESENT AND SHALL ALSO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CONCRETE AREAS.
12. THE MILLING THICKNESS SHOWN ARE THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO THE IRREGULARITIES IN THE EXISTING SURFACE.
13. ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
14. THE USE OF A VIBRATORY ROLLER TO ACHIEVE THE REQUIRED DENSITY WILL NOT BE PERMITTED WITHIN THE CORPORATE LIMITS OF THE CITY OF LEBANON.
15. AGGREGATE SPREADERS WILL NOT BE REQUIRED FOR AGGREGATE BASE AND SURFACE COURSES FOR CONSTRUCTION OF ENTRANCES AND SIDEROADS. METHOD OF COMPACTION AND DENSITY SHALL MEET THE APPROVAL OF THE ENGINEER.
16. DELETED
17. STATION STAMPS SHALL NOT BE REQUIRED FOR THIS PROJECT.
 1. TWO APPLICATIONS OF PRIME COAT HAVE BEEN INCLUDED IN THE PLANS FOR USE ON THE MILLED SURFACE AND THE LEVELING BINDER.
 19. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL NOT BE REQUIRED FOR THIS PROJECT.
 2. RAILROAD FLAGGERS WILL BE PROVIDED BY CSX RAILROAD AT NO ADDITIONAL COST TO THE STATE OR ITS CONTRACTOR. FLAGGERS MUST BE REQUESTED BY THE CONTRACTOR 5 WORKING DAYS BEFORE THE FIRST DAY OF USE AND 2 WORKING DAYS IN ADVANCE THEREAFTER, FROM THE CSX CONTACT SHOWN IN THE RAILROAD PROTECTIVE LIABILITY INSURANCE SPECIAL PROVISION FOR THIS CONTRACT.

21. 890 CU YD EARTH EXCAVATION IN PAVEMENT HAS BEEN INCLUDED FOR RECONSTRUCTION AREA. 425 CU YD EARTH EXCAVATION AND APPROXIMATELY 35 CU YD EMBANKMENT FOR CONSTRUCTION OF GUTTERS HAS BEEN PROVIDED. EXCESS EXCAVATION FROM THESE OPERATIONS SHALL BE USED IN CONSTRUCTION OF SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL OR OTHERWISE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
22. 0.75 ACRE OF SEEDING, CLASS 2 AND MULCH METHOD 1, 68 POUNDS OF NITROGEN, PHOSPHORUS AND POTASSIUM FERTILIZER NUTRIENTS, AND 75 POUNDS TEMPORARY EROSION CONTROL SEEDING HAVE BEEN PROVIDED FOR AREA DISTURBED DURING GUTTER CONSTRUCTION.
23. 95 TONS OF INCIDENTAL HOT-MIX ASPHALT SURFACING HAS BEEN INCLUDED FOR STAGE CONSTRUCTION AND 10 TONS OF INCIDENTAL HOT-MIX ASPHALT SURFACING IS INCLUDED FOR OTHER OPERATIONS.
24. 200 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED FOR MAINTAINING ACCESS TO PUBLIC AND PRIVATE PROPERTIES.
25. DROPOFFS AT THE EDGE OF PAVEMENT CAN BE NO GREATER THAN 18" OVERNIGHT.

COMMITMENTS
NONE

MIXTURE REQUIREMENTS - PROJECT				
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT				
LOCATION (S):	FAP ROUTE 314 (IL ROUTE 4)			
MIXTURE USE	SURFACE COURSE	LEVELING BINDER	INCIDENTAL HMA SURFACING	HOT-MIX ASPHALT PATCHING
AC/PG:	SBS 76-22	SBS 76-22	SBS 76-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS:	4.0% @ Ndes=90	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=90
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5/9.5	IL 4.75	IL 4.75	IL 19.0
FRICITION AGGREGATE:	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

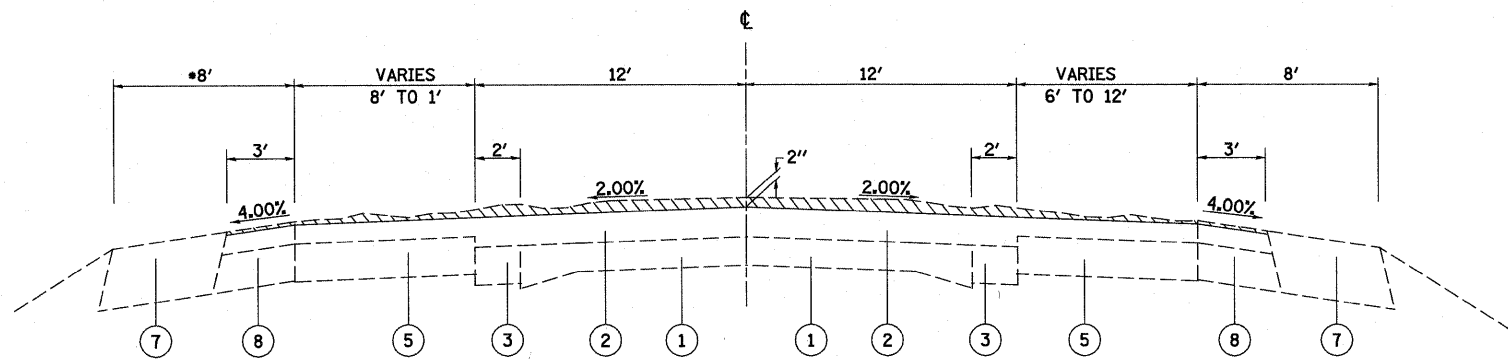
INDEX OF SHEETS

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STANDARDS

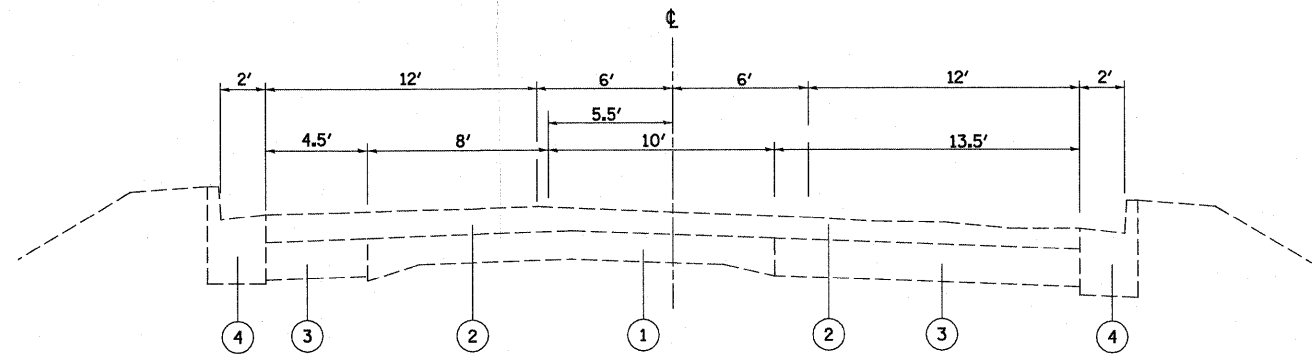
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| 420001-07 | 701306-03 |
| 420106-04 | 701311-03 |
| 442201-03 | 701326-04 |
| 482011-03 | 701336-06 |
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| 630101-09 | 780001-02 |
| 630301-05 | 781001-03 |
| 635006-03 | 000001-06 |
| 635011-02 | 001001-02 |
| 701001-02 | 001006 |
| 701006-03 | BLR 23-3 |
| 701201-04 | |

FILE NAME =	USER NAME = betay	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS, INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Project: 409-0028-SHY L 4 Lebanon 3P\dgn\CA00	Sheet: 067629-ent-gennote.dgn	DRAWN - PDB	REVISED -			314	(110, 111)RS-4	WADSWORTH ST. CLAIR	58	2	
	PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISED -			CONTRACT NO. 76E29					
	PLOT DATE = 3/24/2011	DATE - 11-1-10	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



EXISTING TYPICAL SECTION

STA 63+21 TO STA 63+41
 RAILROAD OMISSION: STA 63+41 TO STA 63+50
 STA 63+50 TO STA 74+60
 * SHOULDER BEGINS STATION 63+75
 SHOULDER OMISSION DUE TO IL. RTE. 50 CONCRETE INTERSECTION
 STATION 64+12 LT. TO STA 70+50 LT.

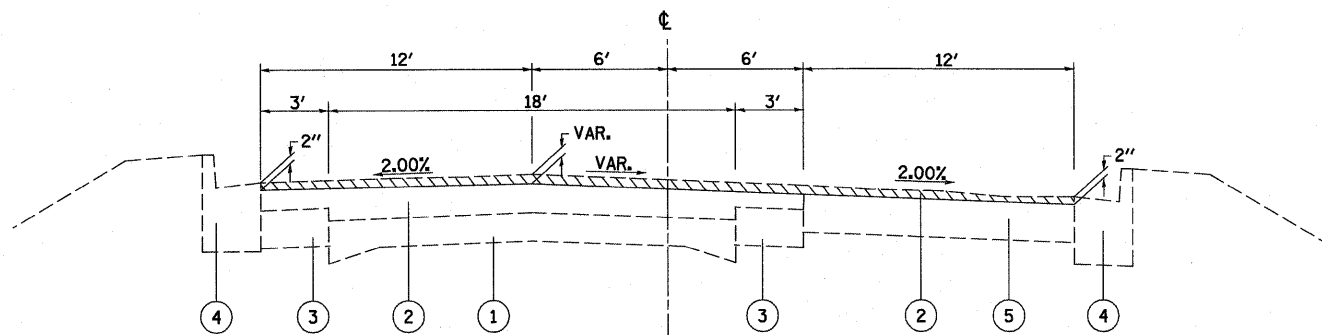


EXISTING TYPICAL SECTION

STA 88+24 TO STA 95+64
 PAVING OMISSION: STA 95+64 TO STA 101+75.70

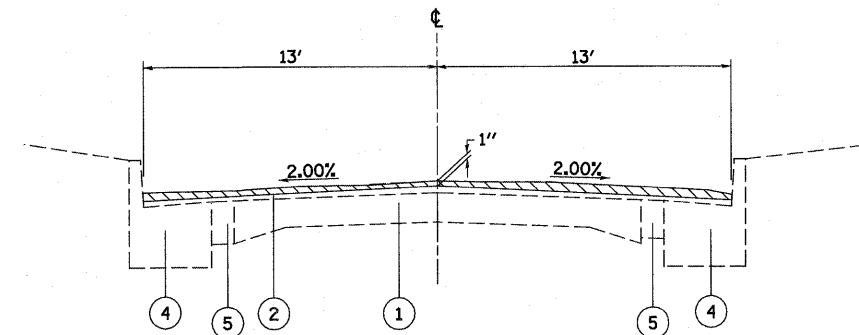
LEGEND

- ① EXISTING CONCRETE PAVEMENT
 - ② EXISTING HMA RESURFACING
 - ③ EXISTING CONCRETE BASE COURSE WIDENING
 - ④ EXISTING CONCRETE CURB AND GUTTER
 - ⑤ EXISTING HMA BASE COURSE
 - ⑥ EXISTING CONCRETE GUTTER
 - ⑦ EXISTING AGGREGATE SHOULDER
 - ⑧ EXISTING HMA SHOULDER
- ▨ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH



EXISTING TYPICAL SECTION

STA 74+60 TO STA 88+24

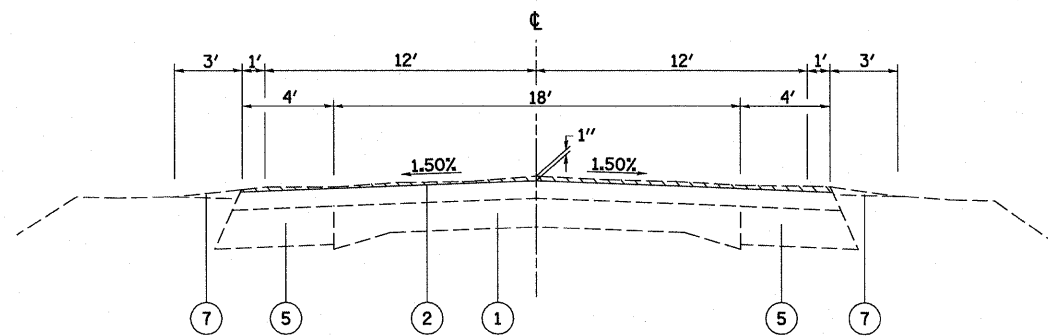


EXISTING TYPICAL SECTION

STA 101+75.70 TO STA 107+55

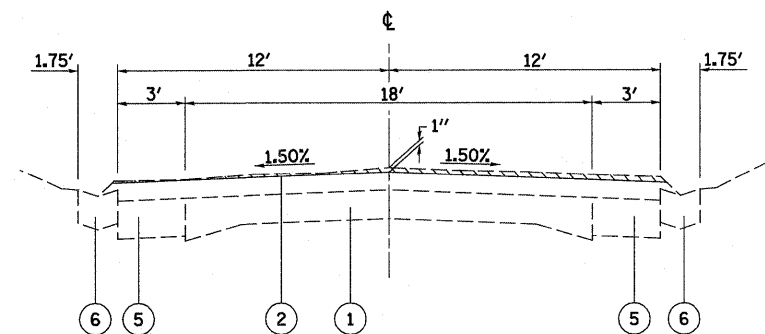
NOTE: PAVEMENT CROSS SLOPES INDICATED ON THE EXISTING TYPICAL SECTIONS REFLECT PROPOSED CROSS SLOPES AND ARE INDICATED TO CONTROL HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS.

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 4
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	PLOT DATE = 2/4/2011	CHECKED - BRM	REVISED -									
		DATE - 11-1-10	REVISED -									
											ILLINOIS FED. AID PROJECT	



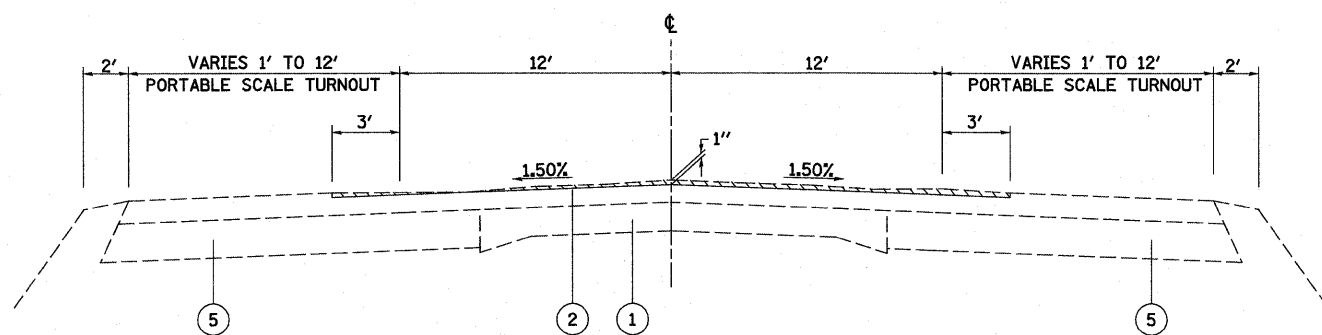
EXISTING TYPICAL SECTION

STA 107+55 TO STA 138+52
 STA 147+18 TO STA 163+20
 STA 163+20 TO STA 165+72 (LT)
 STA 165+72 TO STA 208+40
 STA 208+40 TO STA 210+67 (RT)
 STA 210+67 TO STA 214+70
 STA 223+75 TO STA 242+62
 STA 252+25 TO STA 253+92
 STA 262+26 TO STA 281+15
 STA 302+50 TO STA 310+35
 STA 319+25 TO STA 367+56.50
 STA 377+07.50 TO STA 415+00.00



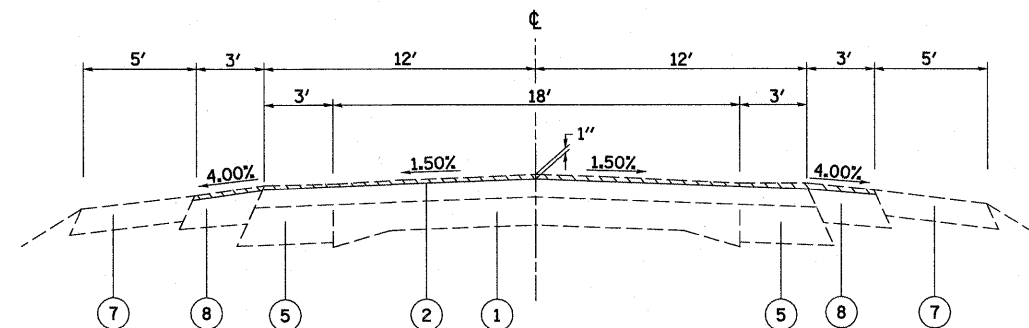
EXISTING TYPICAL SECTION

STA 163+20 TO STA 165+72 (RT)
 STA 208+40 TO STA 210+67 (LT)
 STA 214+70 TO STA 223+75 (LT/RT)
 STA 242+62 TO STA 252+25 (LT/RT)
 STA 253+92 TO STA 262+26 (LT/RT)
 STA 281+15 TO STA 302+50 (LT/RT)
 STA 310+35 TO STA 319+25 (LT/RT)



EXISTING TYPICAL SECTION

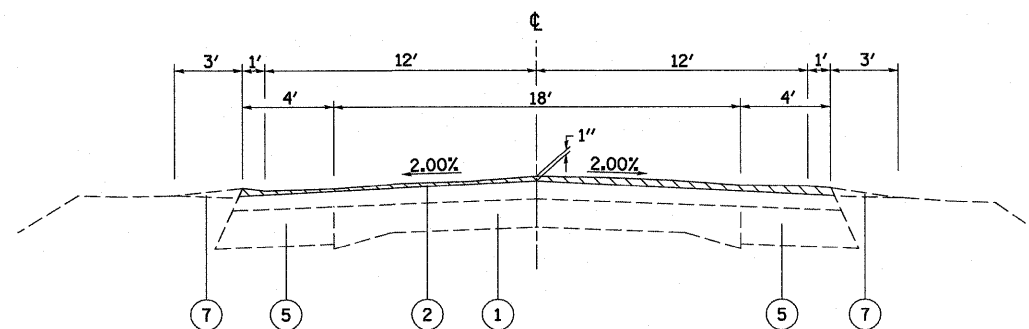
STA 138+52 TO STA 147+18



EXISTING TYPICAL SECTION

STA 367+56.50 TO STA 372+07.50
 STA 373+73.50 TO STA 377+07.50

BRIDGE OMISSION: STA 372+07.50 TO STA 373+73.50



EXISTING TYPICAL SECTION

STA 415+00 TO STA 460+06.50

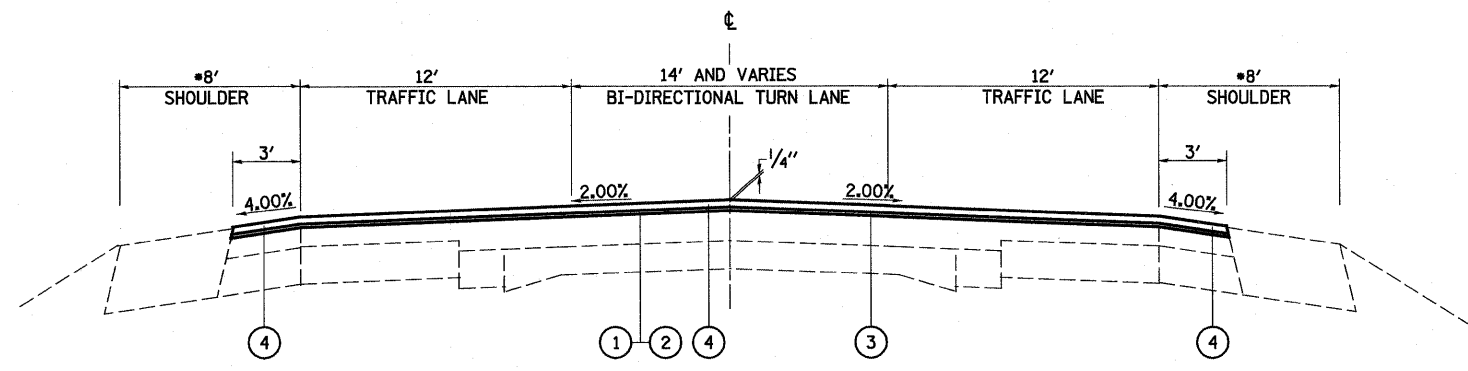
LEGEND

- ① EXISTING CONCRETE PAVEMENT
- ② EXISTING HMA RESURFACING
- ③ EXISTING CONCRETE BASE COURSE WIDENING
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING HMA BASE COURSE
- ⑥ EXISTING CONCRETE GUTTER
- ⑦ EXISTING AGGREGATE SHOULDER
- ⑧ EXISTING HMA SHOULDER

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

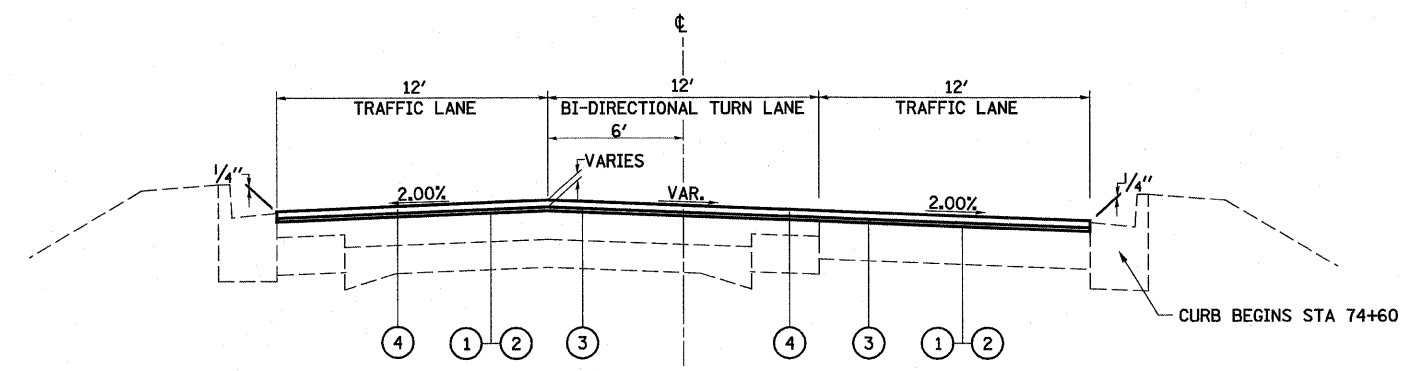
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S:\Projects\409-0028-91Y IL 4 Lebanon 3P\dm\CAAD	Shriya\087629-eh1-typicals ex.dgn	DRAWN - PDB	REVISED -			314	010, 111RS-4	MADISON & ST. CLAIR	58	5
	PLOT SCALE = 100.0000' / IN.	CHECKED - BRM	REVISED -			CONTRACT NO. 76E29				
	PLOT DATE = 2/4/2011	DATE - 11-1-10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.			



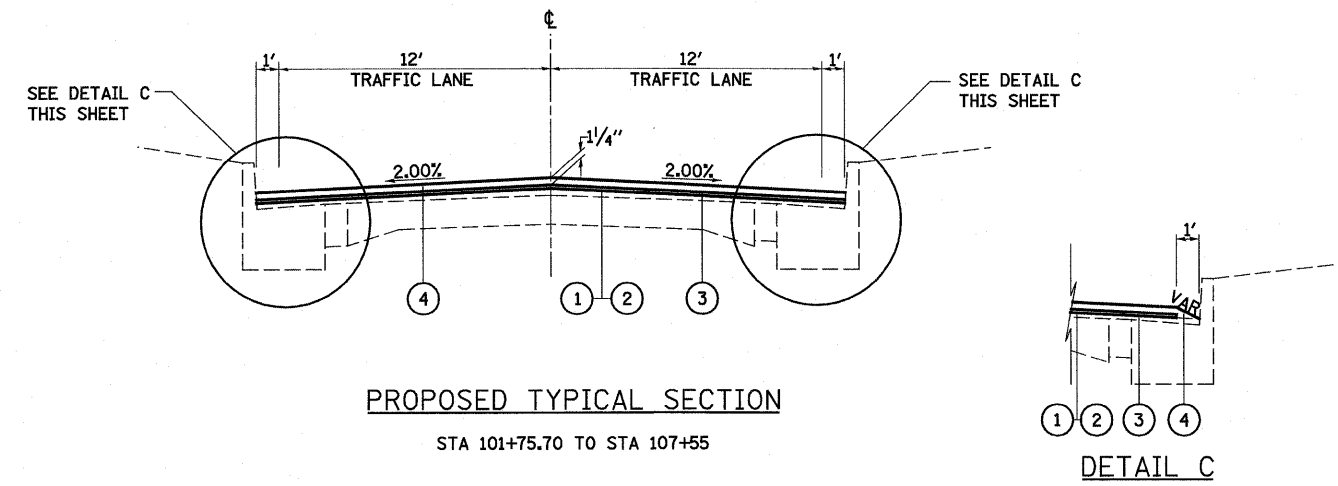
PROPOSED TYPICAL SECTION

STA 63+21 TO STA 63+41
 RAILROAD OMISSION: STA 63+41 TO STA 63+50
 STA 63+50 TO STA 74+60
 • SHOULDER BEGINS STATION 63+75
 SHOULDER OMISSION DUE TO IL. RTE. 50 CONCRETE INTERSECTION
 STATION 64+12 LT. TO STA 70+50 LT.



PROPOSED TYPICAL SECTION

STA 74+60 TO STA 88+24

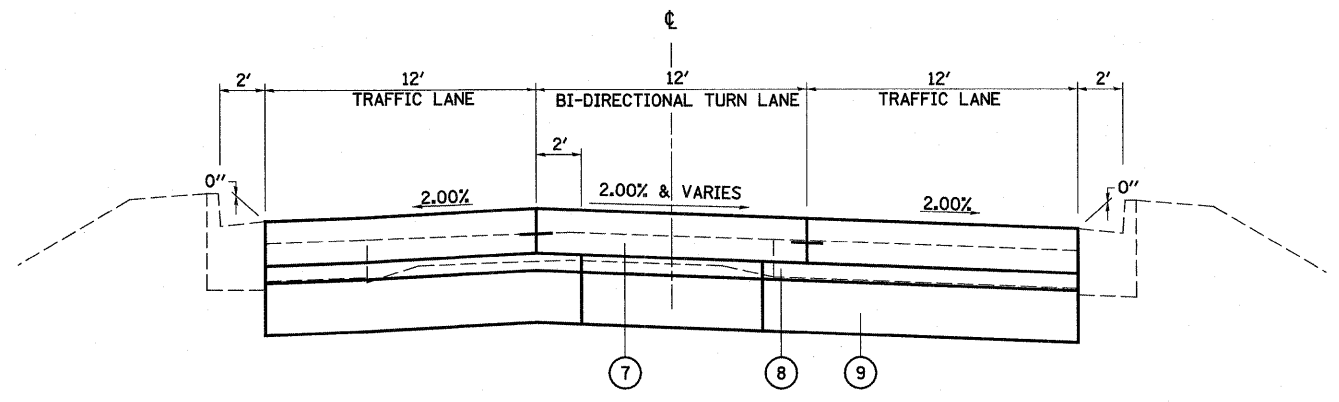


PROPOSED TYPICAL SECTION

STA 101+75.70 TO STA 107+55

DETAIL C

STRUCTURAL DESIGN INFORMATION FAP 314 (IL RTE 4)	
ROAD CLASSIFICATION:	CLASS II
STRUCTURAL DESIGN TRAFFIC: 2010	PV = 16,677 SU = 556 MU = 1,297
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE	P = 50% S = 50% M = 50%
TRAFFIC FACTOR: ACTUAL TF = 8.14	MINIMUM TF = 5.51
MINIMUM SUBGRADE SUPPORT RATING:	POOR
SELECTED DESIGN	9.75 JRCP

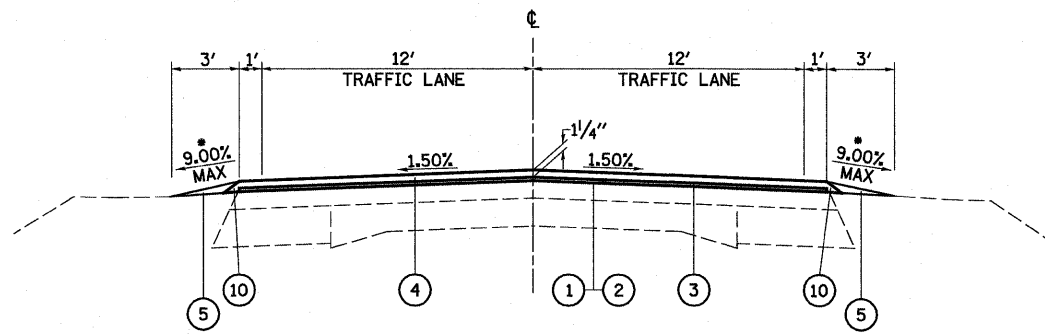


PROPOSED TYPICAL SECTION

STA 88+24 TO STA 95+64
 PAVING OMISSION: STA 95+64 TO STA 101+75.70

PROPOSED LEGEND

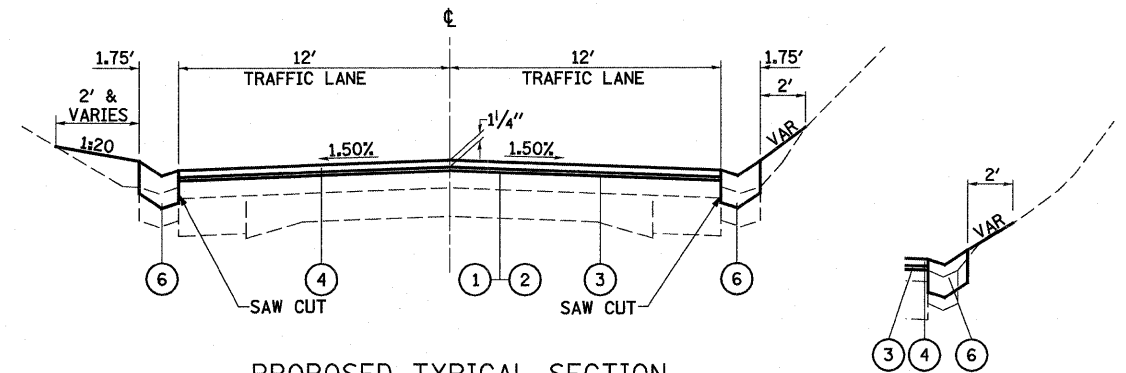
- ① PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ② PROPOSED AGGREGATE (PRIME COAT)
- ③ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ④ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N90, 1 1/2"
- ⑤ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑥ PROPOSED CONCRETE GUTTER, TYPE B
- ⑦ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- ⑧ PROPOSED STABILIZED SUBBASE 4"
- ⑨ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 12"
- ⑩ PROPOSED SAFETY EDGE - SEE SPECIAL PROVISIONS



PROPOSED TYPICAL SECTION

STA 107+55 TO STA 138+52
 STA 147+18 TO STA 163+20
 STA 163+20 TO STA 165+72 (LT)
 STA 165+72 TO STA 208+40
 STA 208+40 TO STA 210+67 (RT)
 STA 210+67 TO STA 214+70
 STA 223+75 TO STA 225+74
 STA 225+74 TO STA 228+49 (LT)
 STA 228+49 TO STA 242+62
 STA 252+25 TO STA 253+92
 STA 262+26 TO STA 281+15
 STA 302+50 TO STA 310+35
 STA 319+25 TO STA 367+56.50
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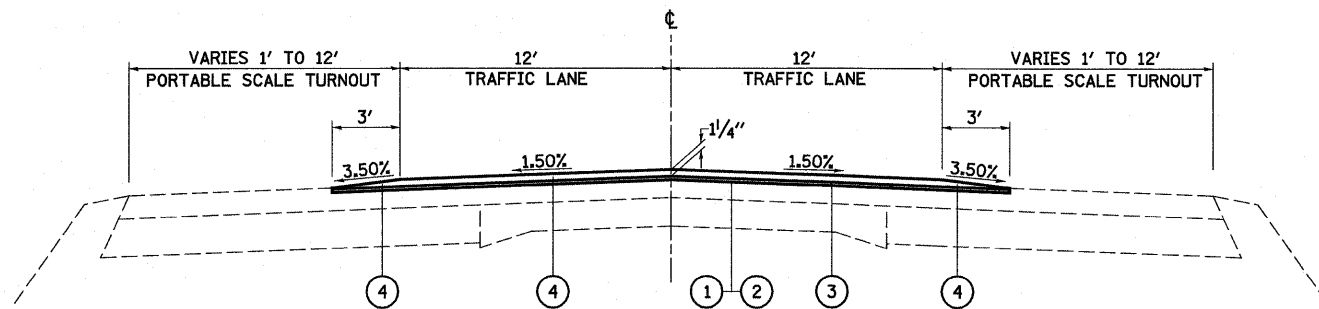
• IF SHOULDER SLOPE IS GREATER THAN 9.00% SEE DETAIL A THIS SHEET



PROPOSED TYPICAL SECTION

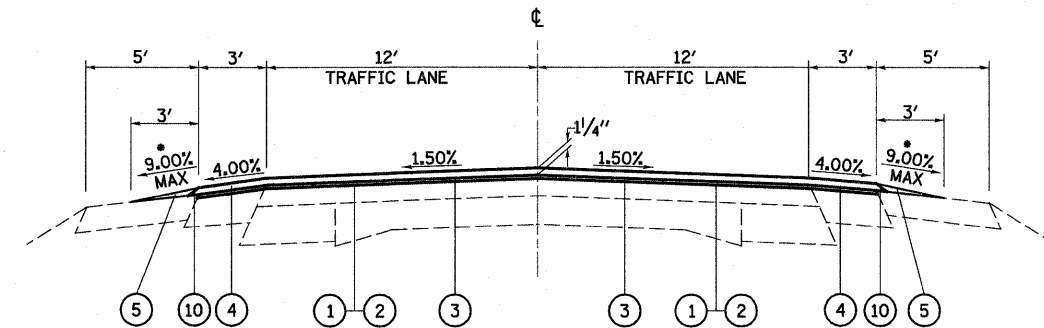
STA 163+20 TO STA 165+72 (RT)
 STA 208+40 TO STA 210+67 (LT)
 STA 214+70 TO STA 223+75 (LT/RT)
 STA 225+74 TO STA 228+49 (RT)
 STA 242+62 TO STA 252+25 (LT/RT)
 STA 253+92 TO STA 262+26 (LT/RT)
 STA 281+15 TO STA 302+50 (LT/RT)
 STA 310+35 TO STA 319+25 (LT/RT)

DETAIL B CUT SECTION



PROPOSED TYPICAL SECTION

STA 138+52 TO STA 147+18



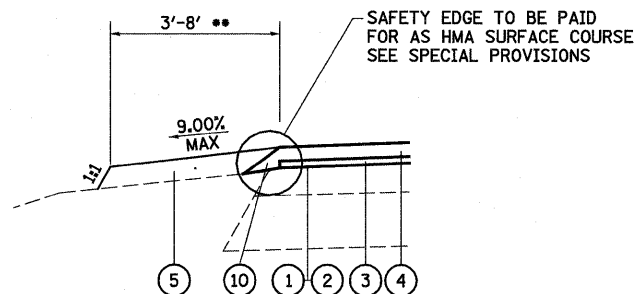
PROPOSED TYPICAL SECTION

STA 367+56.50 TO STA 372+07.50
 STA 373+73.50 TO STA 377+07.50

BRIDGE OMISSION: STA 372+07.50 TO STA 373+73.50

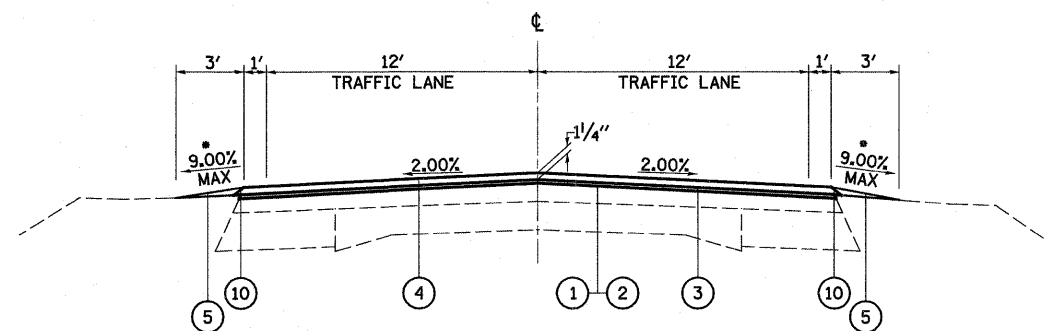
PROPOSED LEGEND

- 1 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 2 PROPOSED AGGREGATE (PRIME COAT)
- 3 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 4 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N90, 1 1/2"
- 5 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 6 PROPOSED CONCRETE GUTTER, TYPE B
- 7 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 8 PROPOSED STABILIZED SUBBASE 4"
- 9 PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 12"
- 10 PROPOSED SAFETY EDGE - SEE SPECIAL PROVISIONS & DETAIL A THIS SHEET



DETAIL A

** TO FACE OF GUARDRAIL WHEN LOW SHOULDERS ARE PRESENT



PROPOSED TYPICAL SECTION

STA 415+00 TO STA 460+06.50

• IF SHOULDER SLOPE IS GREATER THAN 9.00% SEE DETAIL A THIS SHEET

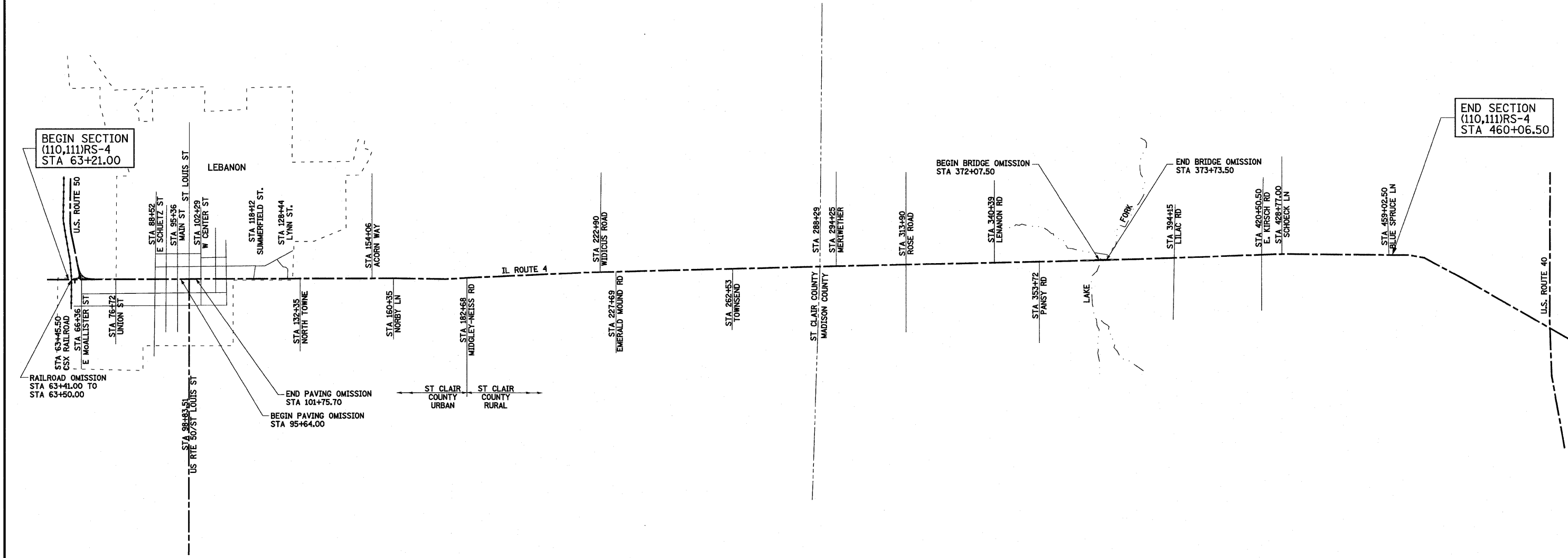
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SD\Projects\409-0028-BY E. 4 Lebanon 3P\dgn\CADD Sh	meta\081623-ent-typlote pr.dgn	DRAWN - PDB	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	314	(110, 111)RS-4	MADISON & ST. CLAIR	58	7
		CHECKED - BRM	REVISED -					CONTRACT NO. 76E29					
		DATE - 11-1-10	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PAVEMENT MARKING SCHEDULE

LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING - LINE 4"			THERMOPLASTIC PAVEMENT MARKING - LINE 12" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)	POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS (SQ FT)	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"		POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)
			SOLID WHITE* (FOOT)	SOLID YELLOW (FOOT)	SKIP DASH YELLOW (FOOT)				SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)			
STA 63+21 TO STA 63+41			40	80		11.8	14					2	
STA 63+50 TO STA 66+03		92.4	419	751.4		45.8	60				15	25	
STA 66+75 TO STA 74+60		124.8	1402	1860.4	258.5	60.2	24				42	56	
STA 74+60 TO STA 88+24		218.4		2728	682						68	66	
STA 88+24 TO STA 95+64							124.8	1456	364	155	36		
STA 101+75 TO STA 107+99	NO PASSING LT		1247	623	155.8						8	8	
STA 107+99 TO STA 112+90	SKIP DASH		896		122.8						6	6	
STA 119+90 TO STA 121+02	NO PASSING RT		1492	812	203						10	10	
STA 121+02 TO STA 123+09	SKIP DASH		414		51.8						3	3	
STA 123+09 TO STA 132+90	NO PASSING LT		1806	981	245.3						12	12	
STA 132+90 TO STA 153+29	SKIP DASH		4078		509.8						25	25	
STA 153+29 TO STA 162+57	NO PASSING RT		1714	928	232						12	12	
STA 162+57 TO STA 165+30	SKIP DASH		546		68.3						3	3	
STA 165+30 TO STA 173+04	NO PASSING LT		1548	774	193.5						10	10	
STA 173+04 TO STA 182+68	SKIP DASH		1746		241						13	13	
SUBTOTAL URBAN ST CLAIR COUNTY		435.6		29850		117.8	98	124.8	1820	155	263	251	
STA 182+68 TO STA 193+45	SKIP DASH		2154		269.3						13	13	
STA 193+45 TO STA 202+06	NO PASSING RT		1722	861	215.3						11	11	
STA 202+06 TO STA 204+80	SKIP DASH		548		68.5						3	3	
STA 204+80 TO STA 211+93	NO PASSING LT		1426	713	178.3						9	9	
STA 211+93 TO STA 213+45	DOUBLE - NO PASSING		304	304							2	2	
STA 213+45 TO STA 222+36	NO PASSING RT		1782	891	222.8						11	11	
STA 222+36 TO STA 223+73	DOUBLE - NO PASSING		214	274							2	2	
STA 223+73 TO STA 235+00	NO PASSING LT		2176	1127	281.8						14	14	
STA 235+00 TO STA 247+16	NO PASSING RT		2432	1216	304						15	15	
STA 247+16 TO STA 263+32	DOUBLE - NO PASSING		3157	3232							20	20	
STA 263+32 TO STA 272+97	NO PASSING LT		1930	965	241.3						12	12	
STA 272+97 TO STA 282+05	SKIP DASH		1816		227						11	11	
STA 282+05 TO STA 288+29	NO PASSING RT		1248	624	156						8	8	
SUBTOTAL RURAL ST CLAIR COUNTY		0		33280		0	0	0	0	0	131	131	
STA 288+29 TO STA 294+08	NO PASSING RT		1158	579	144.8						7	7	
STA 294+08 TO STA 300+72	DOUBLE - NO PASSING		1246	1328							8	8	
STA 300+72 TO STA 320+45	NO PASSING LT		3856	1973	493.3						25	25	
STA 320+45 TO STA 340+82	SKIP DASH		3988		509.3						25	25	
STA 340+82 TO STA 351+30	NO PASSING RT		2096	1048	262						13	13	
STA 351+30 TO STA 360+82	DOUBLE - NO PASSING		1848	1904							12	12	
STA 360+82 TO STA 372+07.5	NO PASSING LT		2251	1126	281.4						14	14	
STA 373+73.5 TO STA 385+00	SKIP DASH		2253		281.6						14	14	
STA 385+00 TO STA 391+75	NO PASSING RT		1350	675	168.8						8	8	
STA 391+75 TO STA 396+85	SKIP DASH		936		127.5						6	6	
STA 396+85 TO STA 403+04	NO PASSING LT		1238	619	154.8						8	8	
STA 403+04 TO STA 425+45	SKIP DASH		4391		560.3						28	28	
STA 425+45 TO STA 433+32	NO PASSING RT		1530	787	196.8						10	10	
STA 433+32 TO STA 435+89	SKIP DASH		514		64.3						3	3	
STA 435+89 TO STA 442+38	DOUBLE - NO PASSING		1298	1298							8	8	
STA 442+38 TO STA 443+45	NO PASSING LT		214	107	26.8						1	1	
STA 443+45 TO STA 450+28	NO PASSING RT		1366	683	170.8						9	9	
STA 450+28 TO STA 452+74	SKIP DASH		492		61.5						3	3	
STA 452+74 TO STA 458+21	NO PASSING LT		1094	547	136.8						7	7	
STA 458+21 TO STA 460+06.5	DOUBLE - NO PASSING		319	371							2	2	
SUBTOTAL MADISON COUNTY		0		50124		0	0	0	0	0	211	211	
SUBTOTAL		435.6	71695.0	32789.8	8768.9	117.8	98	124.8	1456.0	364.0	155	605	593
PAY TOTAL		436	113254			118	98	125	1820	155	605	593	

* INCLUDES OMISSIONS FOR SIDERoadS

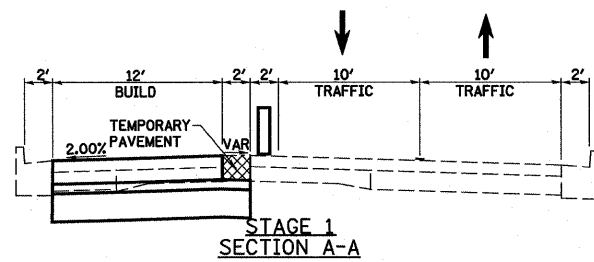
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S:\Projects\409-0028-SHY E. 4 Lebanon 3P\dgn\CADD	meta\087629-shy-echedule.dgn	DRAWN - PDB	REVISED -		314	(110, 111)RS-4	MADISON & ST CLAIR	58	9				
PLOT SCALE = 48,0000' / IN.	CHECKED - BRM	REVISIED -			SCALE:				SHEET NO. 2 OF 3 SHEETS STA. TO STA.				
PLOT DATE = 3/24/2011	DATE - 11-11-10	REVISED -			FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT				
												CONTRACT NO. 76E29	



BEGIN SECTION
(110,111)RS-4
STA 63+21.00

END SECTION
(110,111)RS-4
STA 460+06.50

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	PLOT SCALE = 3000.0000' / IN.	DRAWN - PDB	REVISED -		SCALE: 1"=1500'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29			
	PLOT DATE = 3/24/2011	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 11-1-10	REVISED -									

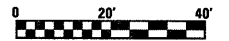
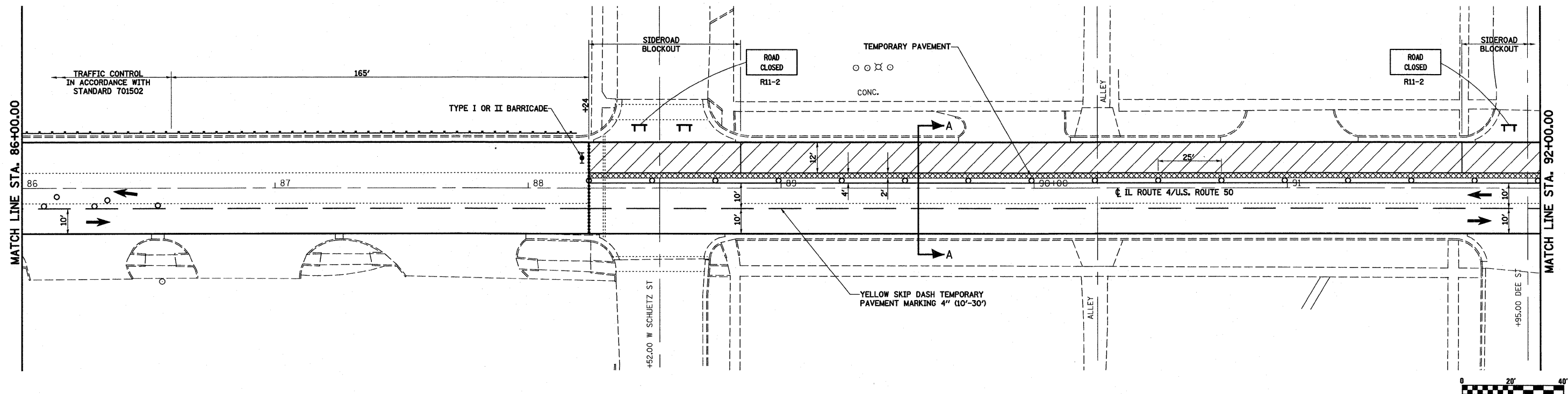
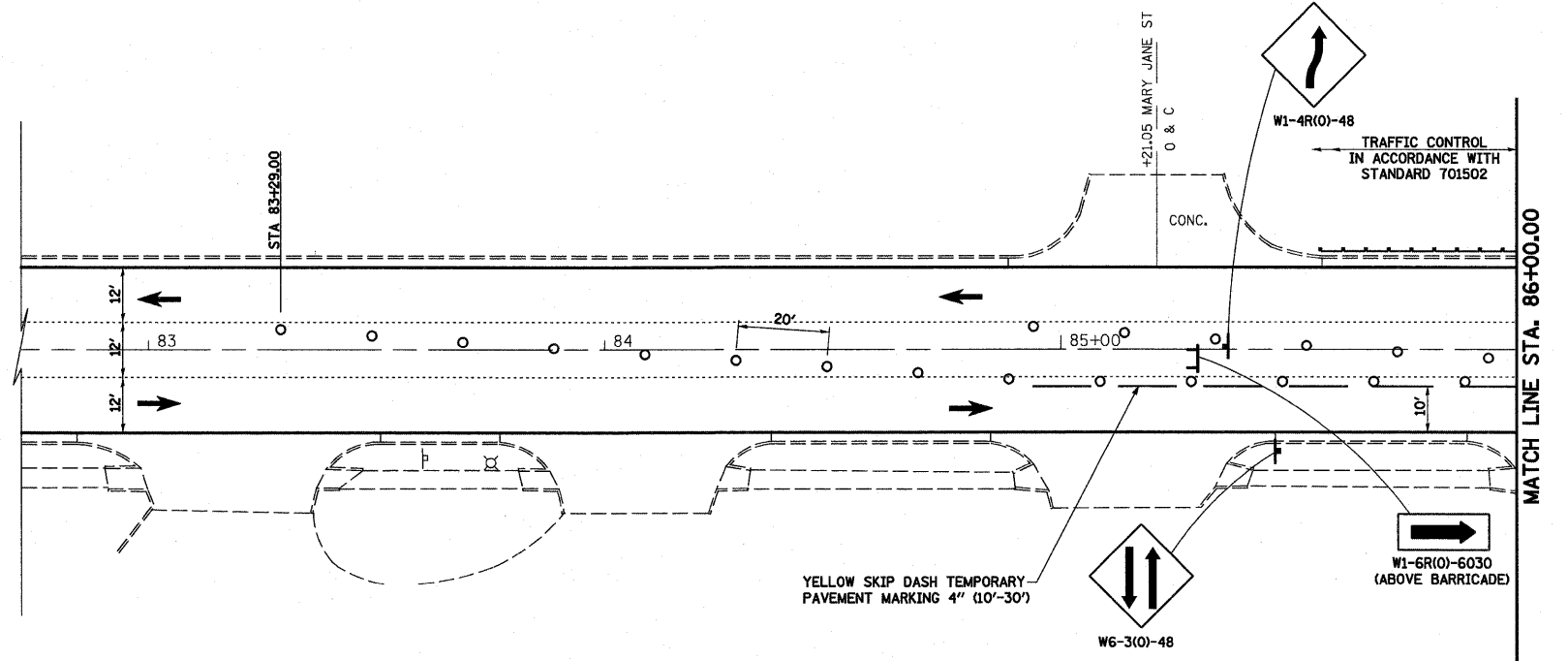


LEGEND

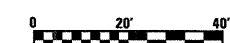
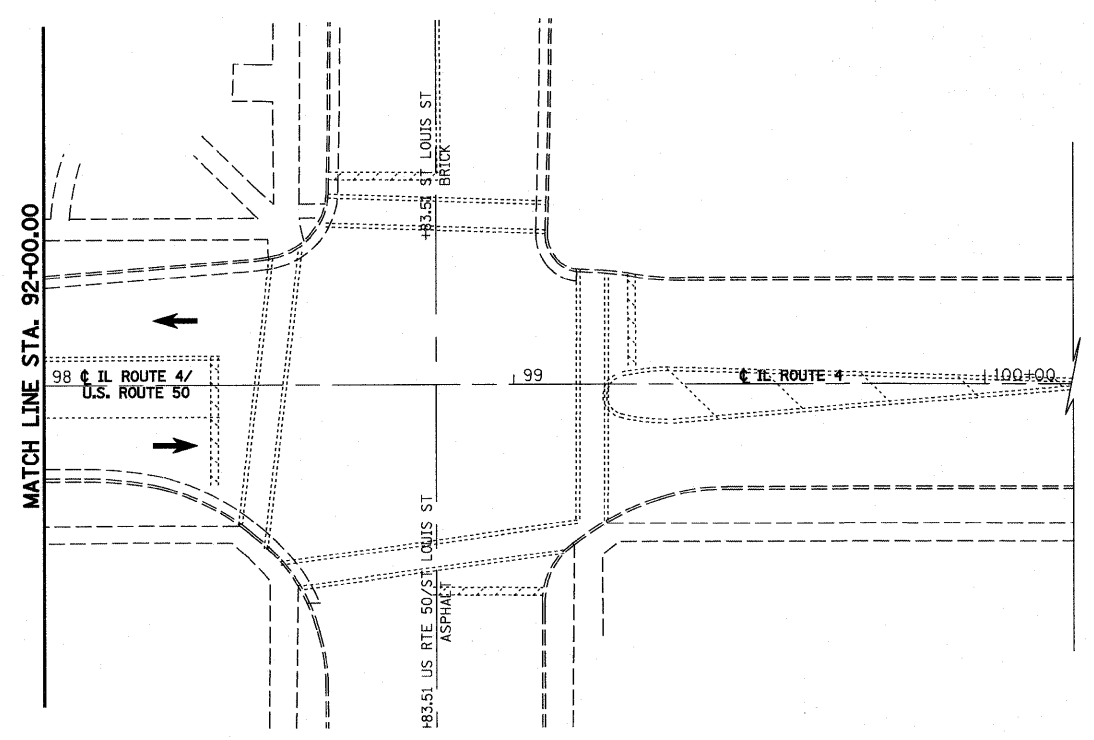
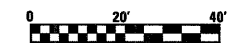
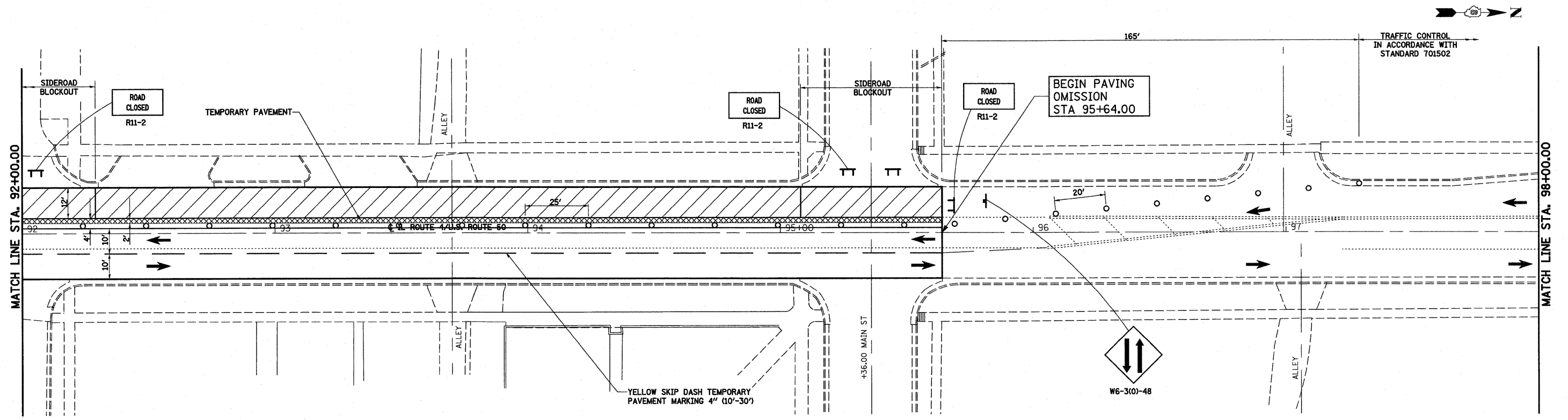
- WORK AREA THIS STAGE
- TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
- TYPE I OR II BARRICADE WITH FLASHING LIGHT
- DRUM OR BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC

GENERAL STAGING NOTES:








1. SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR MAINTAINING ACCESS TO ENTRANCES, ALLEYS AND SIDEROADS. PAVING BLOCKOUTS AT SIDEROADS SHALL BE UTILIZED TO MAINTAIN TRAFFIC FOR STAGE CONSTRUCTION.
2. THE REMOVAL OF ANY TEMPORARY PAVEMENT DURING STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF INCIDENTAL HMA SURFACING.



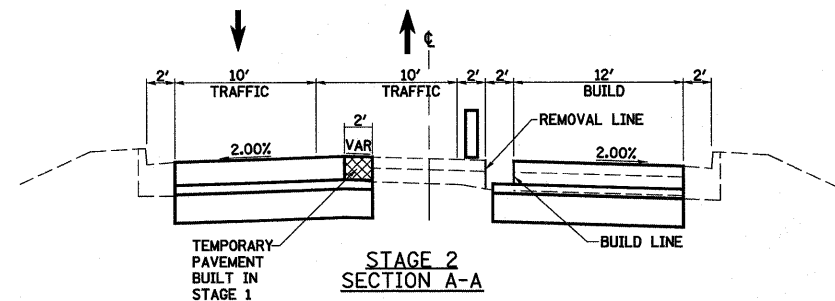
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	PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISED -				FED. ROAD DIST. NO. ILLINOIS / FED. AID PROJECT					
	PLOT DATE = 2/4/2011	DATE - 11-1-10	REVISED -									



LEGEND

-  WORK AREA THIS STAGE
-  TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
-  TYPE I OR II BARRICADE WITH FLASHING LIGHT
-  DRUM OR BARRICADE
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TYPE III BARRICADE
-  DIRECTION OF TRAFFIC

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STAGE 1, IL ROUTE 4			F.A.P. RTE. 314	SECTION 110, 111/RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 14
S:\Projects\409-0028-3HY IL 4 Lebanon 3P\dm\CA00 3P\ete\0876E29-ent-staging.Ldgn	PLOT SCALE = 1/4" = 20' / IN.	DRAWN - PDB	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76E29	
	PLOT DATE = 2/4/2011	CHECKED - BRM	REVISED -									
		DATE - 11-1-10	REVISED -									

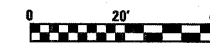
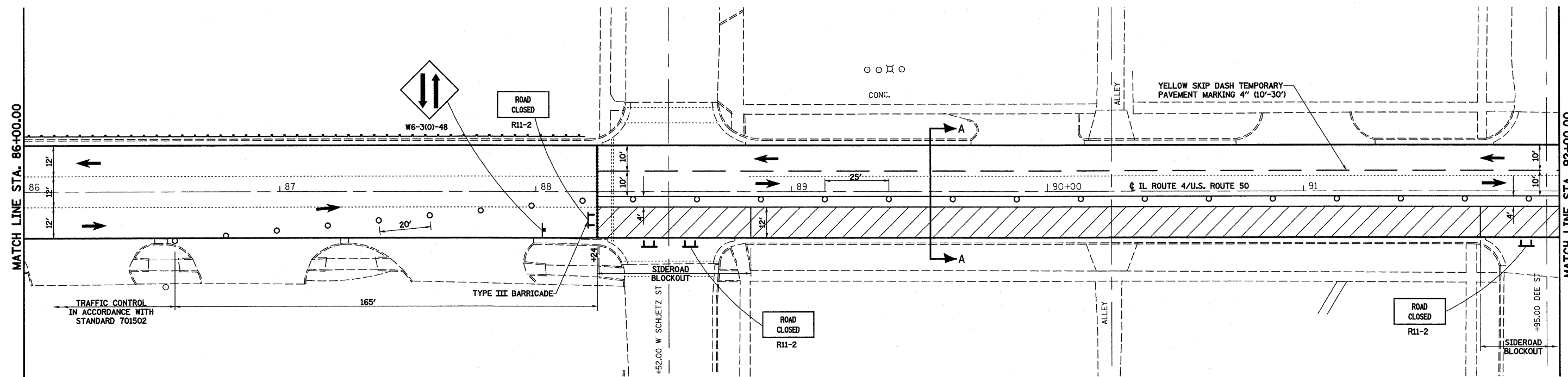
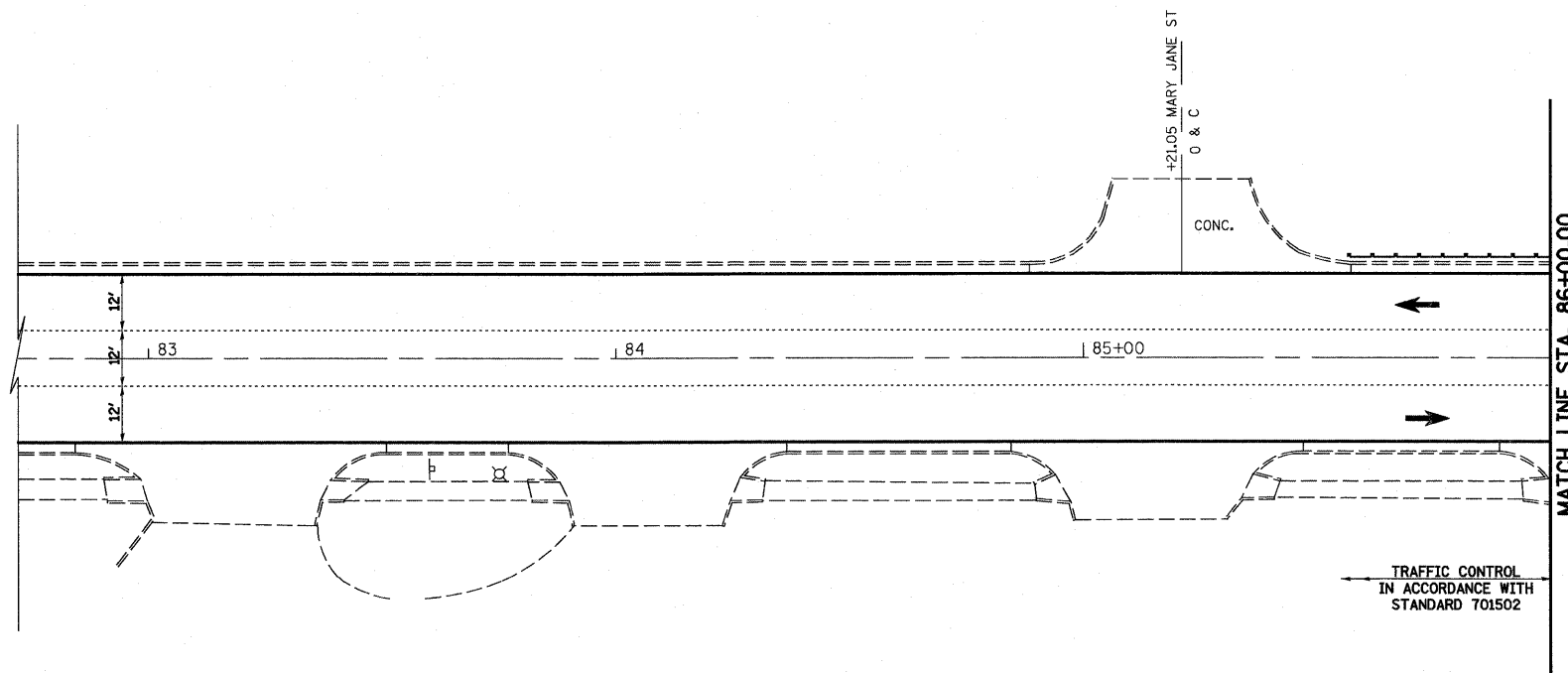


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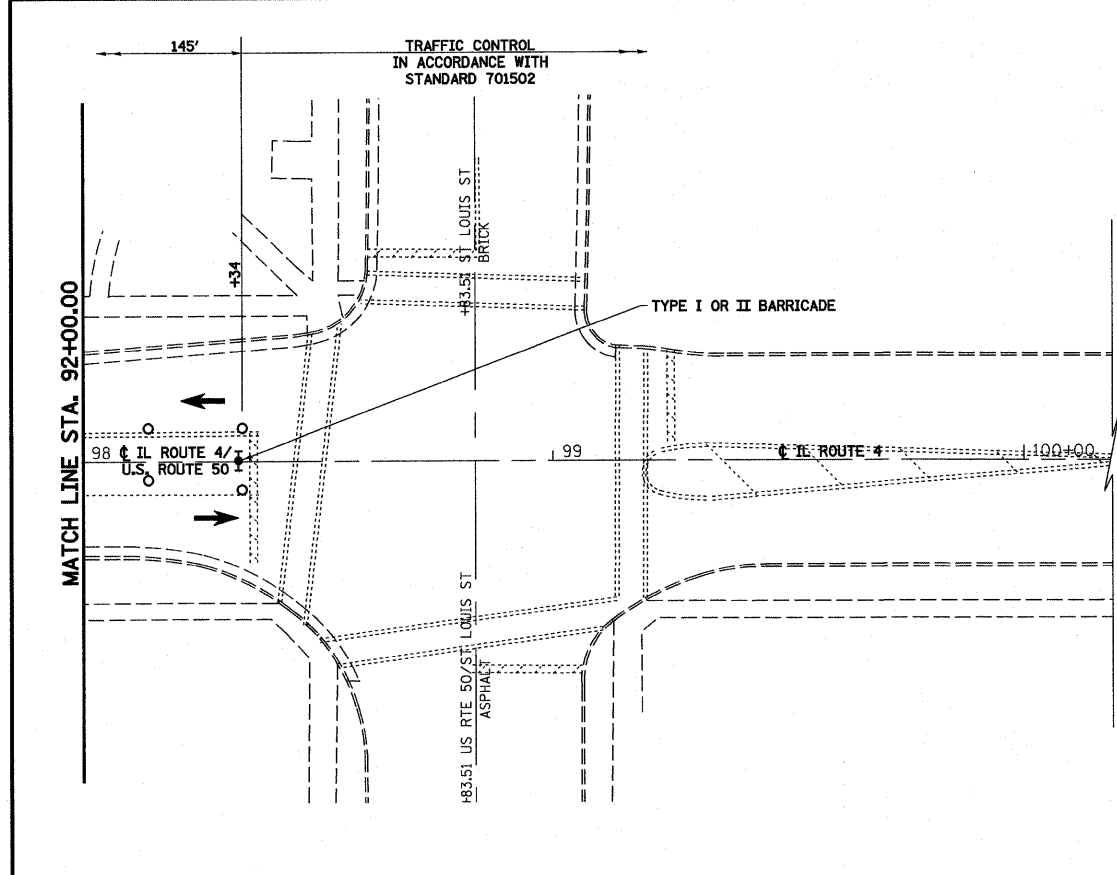
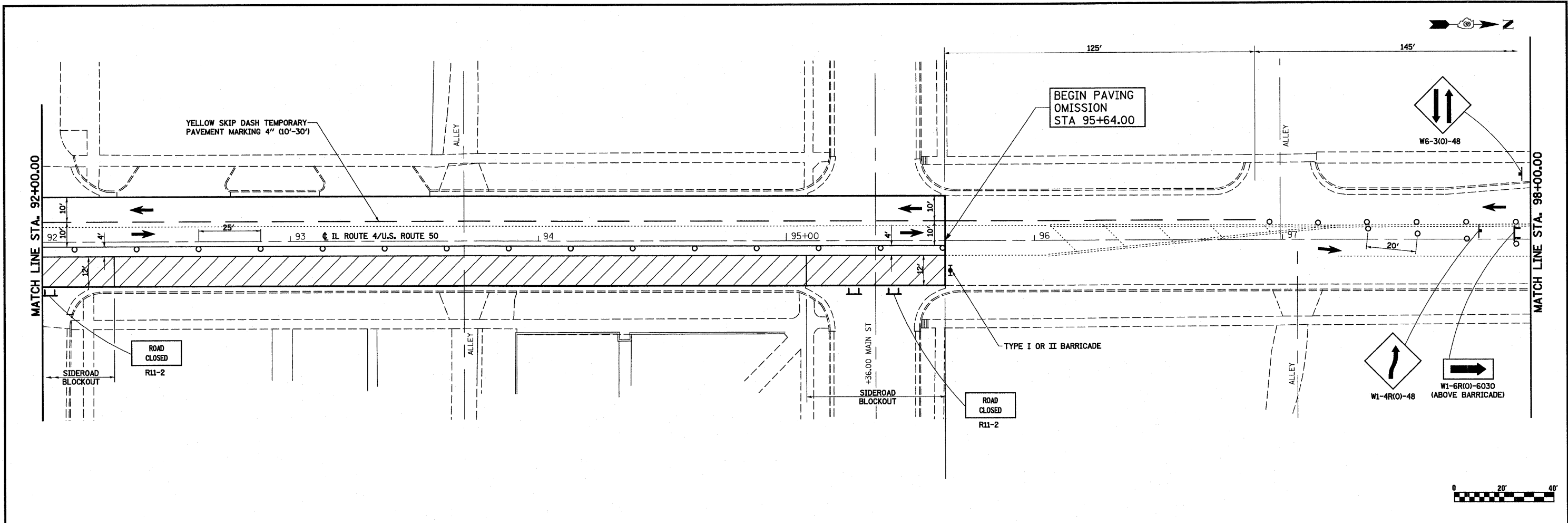
- WORK AREA THIS STAGE
- TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
- TYPE I OR II BARRICADE WITH FLASHING LIGHT
- DRUM OR BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC








GENERAL STAGING NOTES:

1. SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR MAINTAINING ACCESS TO ENTRANCES, ALLEYS AND SIDEROADS. PAVING BLOCKOUTS AT SIDEROADS SHALL BE UTILIZED TO MAINTAIN TRAFFIC FOR STAGE CONSTRUCTION.
2. THE REMOVAL OF ANY TEMPORARY PAVEMENT DURING STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF INCIDENTAL HMA SURFACING.



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STAGE 2, IL ROUTE 4			F.A.P RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 15	
Plot Scale = 40,000 / IN.	DATE = 11-1-10	CHECKED - BRM	REVISED -		SCALE: 1"=20'	SHEET NO. 3 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29				
PLT DATE = 2/4/2011		DATE = 11-1-10	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



- LEGEND**
-  WORK AREA THIS STAGE
 -  TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
 -  TYPE I OR II BARRICADE WITH FLASHING LIGHT
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 -  SIGN ON PORTABLE OR PERMANENT SUPPORT
 -  TYPE III BARRICADE
 -  DIRECTION OF TRAFFIC

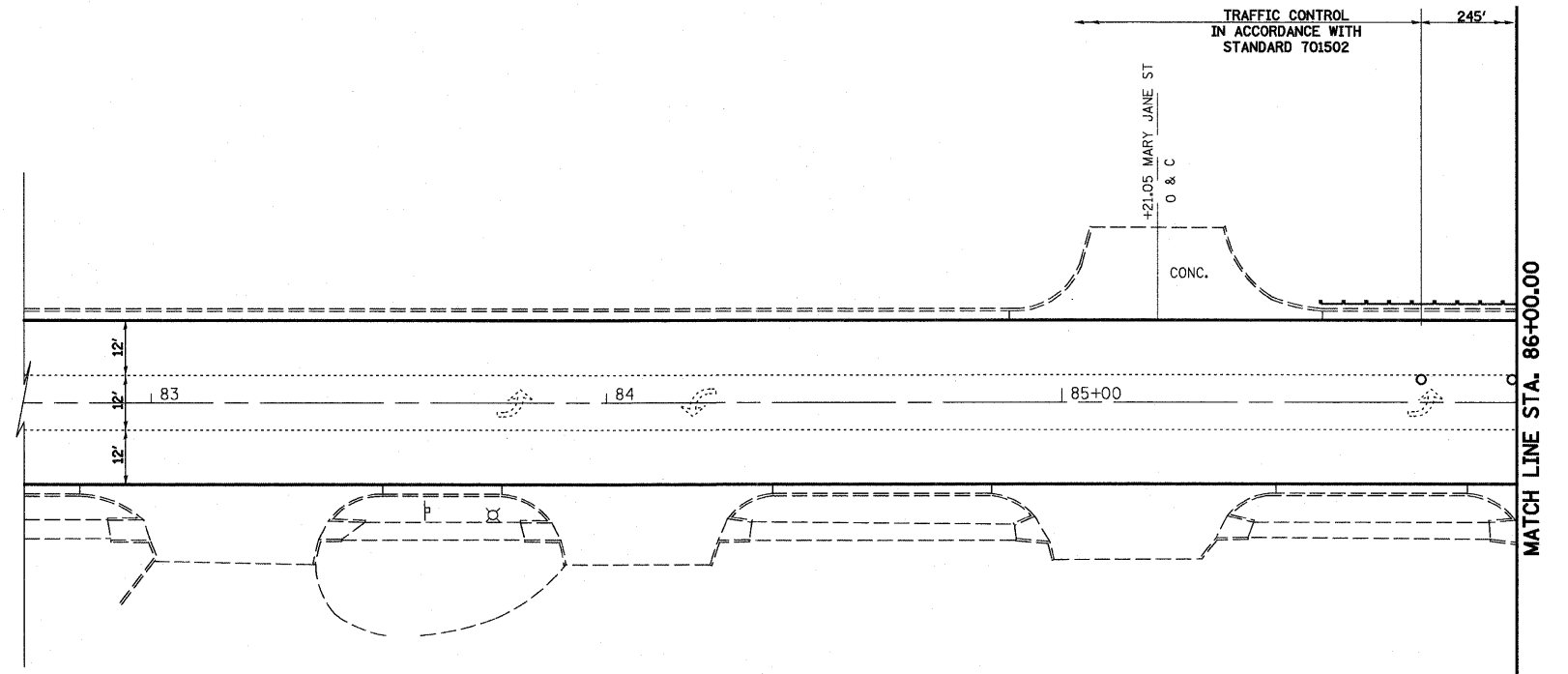
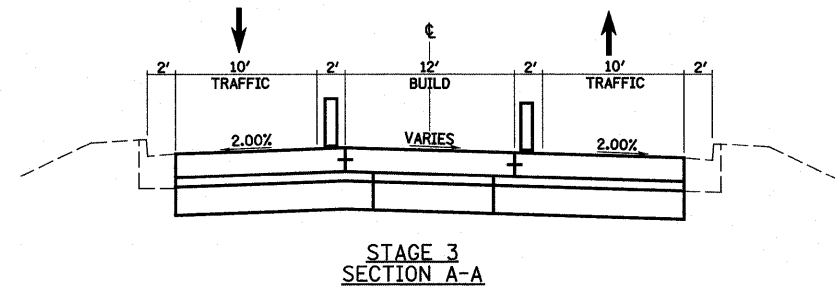
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	PLOT DATE = 2/4/2011	DATE - 11-1-10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STAGE 2, IL ROUTE 4**

SCALE: 1"=20' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110, 111RS-4	MADISON & ST. CLAIR	58	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 76E29				

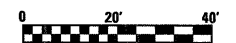
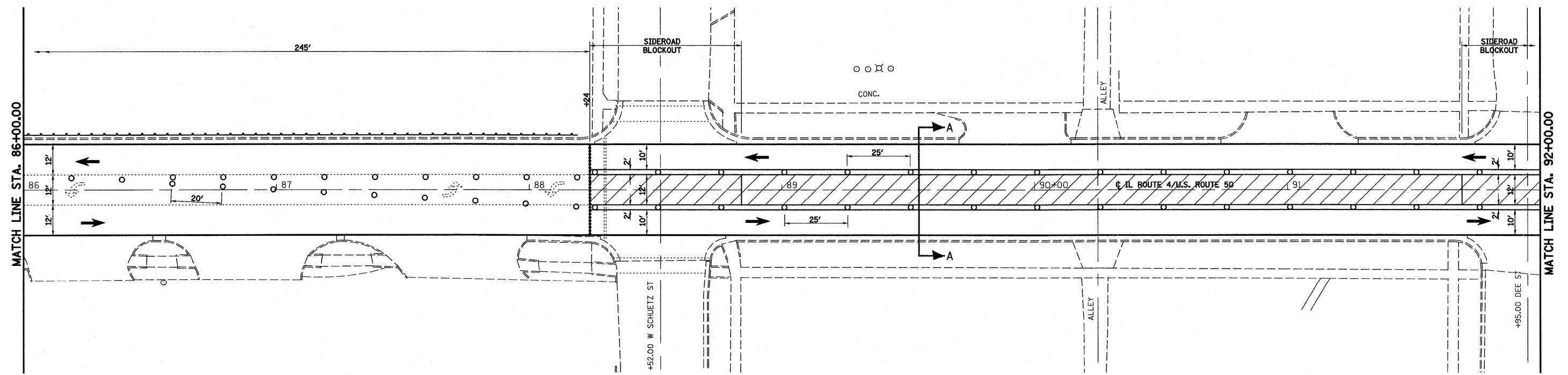
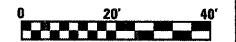


LEGEND

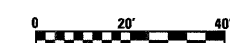
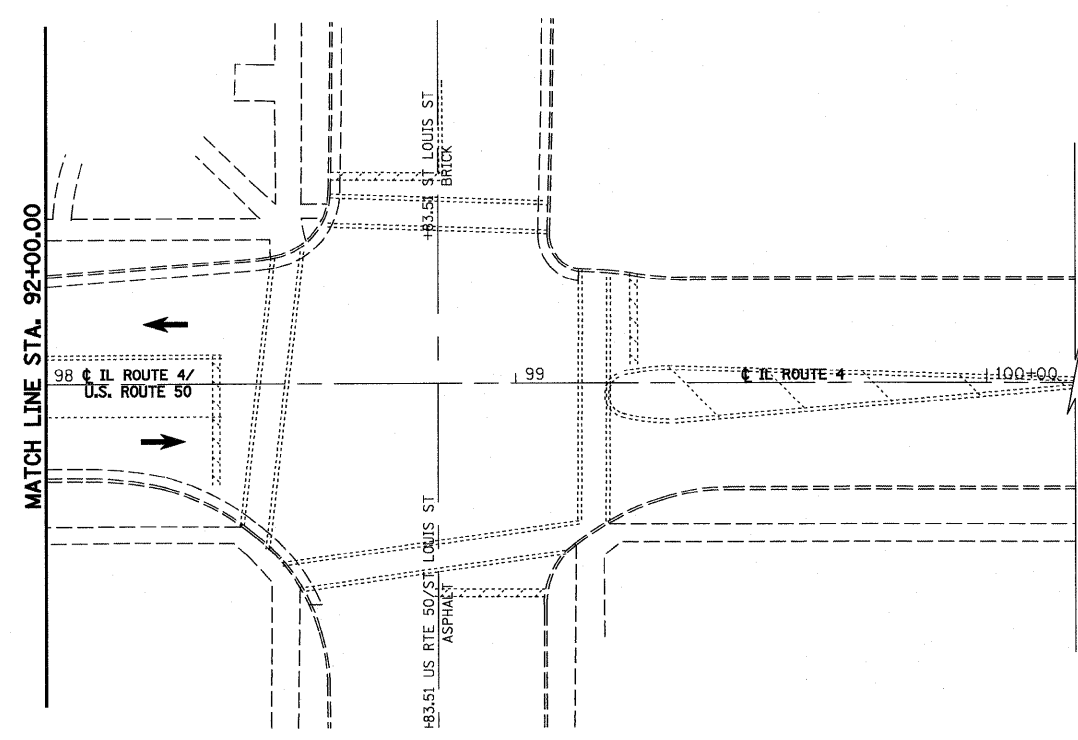
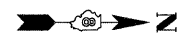
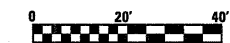
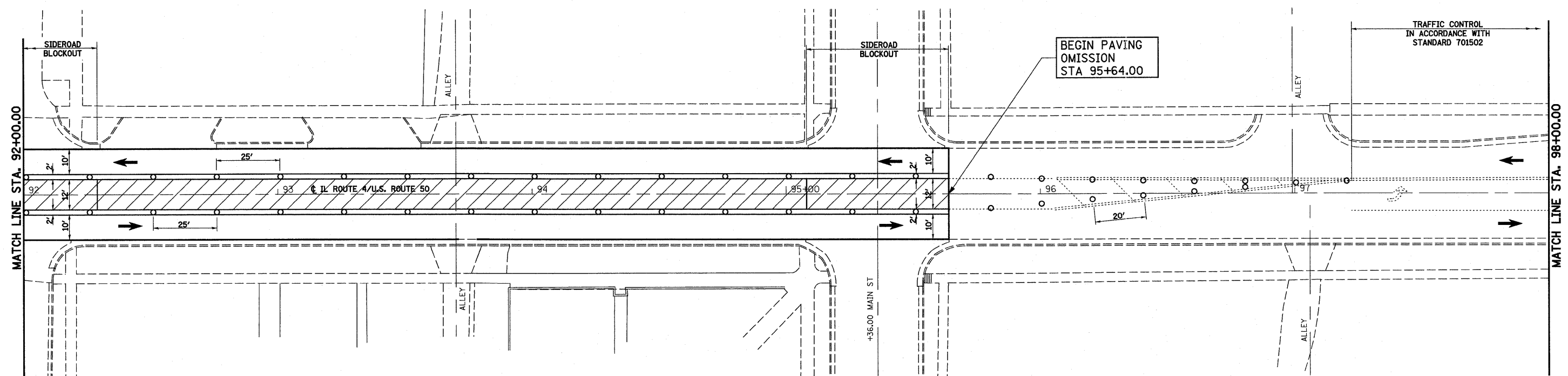
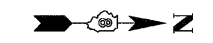
- WORK AREA THIS STAGE
- TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
- TYPE I OR II BARRICADE WITH FLASHING LIGHT
- DRUM OR BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC

GENERAL STAGING NOTES:








1. SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR MAINTAINING ACCESS TO ENTRANCES, ALLEYS AND SIDEROADS. PAVING BLOCKOUTS AT SIDEROADS SHALL BE UTILIZED TO MAINTAIN TRAFFIC FOR STAGE CONSTRUCTION.
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FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STAGE 3, IL ROUTE 4			F.A.P RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 17	
Plot Scale = 1/4" = 20'	Plot Date = 2/4/2011	DRAWN - PDB	REVISED -		SCALE: 1"=20'	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29				
		CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE - 11-1-10	REVISED -										



LEGEND

-  WORK AREA THIS STAGE
-  TEMPORARY PAVEMENT (INCIDENTAL HMA SURFACING)
-  TYPE I OR II BARRICADE WITH FLASHING LIGHT
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-  TYPE III BARRICADE
-  DIRECTION OF TRAFFIC

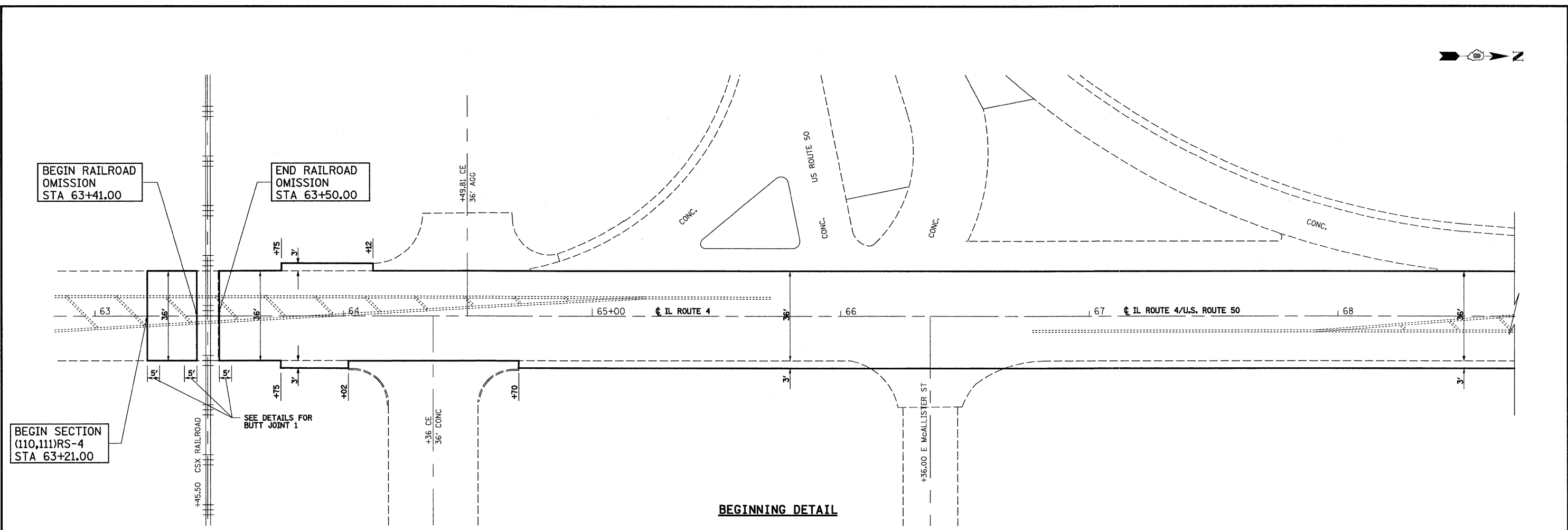
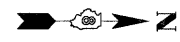
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S:\Projects\409-0028-91F L 4 Lebanon SP\dgn\CADD Sta	era\0876E29-ah1-efoging_3.dgn	DRAWN - PDB	REVISED -
	PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -
	PLOT DATE = 2/4/2011	DATE - 11-1-10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

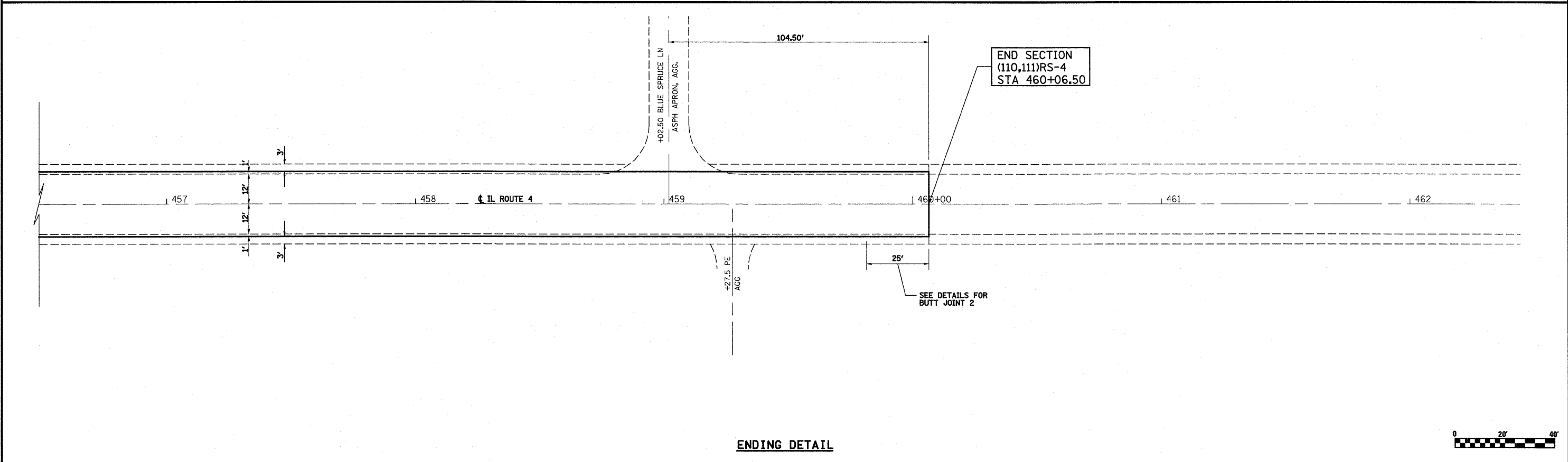
**STAGE CONSTRUCTION DETAILS
STAGE 3, IL ROUTE 4**

SCALE: 1"=20' SHEET NO. 6 OF 6 SHEETS STA. TO STA.

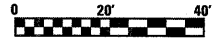
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	110, 111/RS-4	MADISON & ST. CLAIR	58	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76E29				



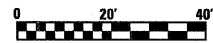
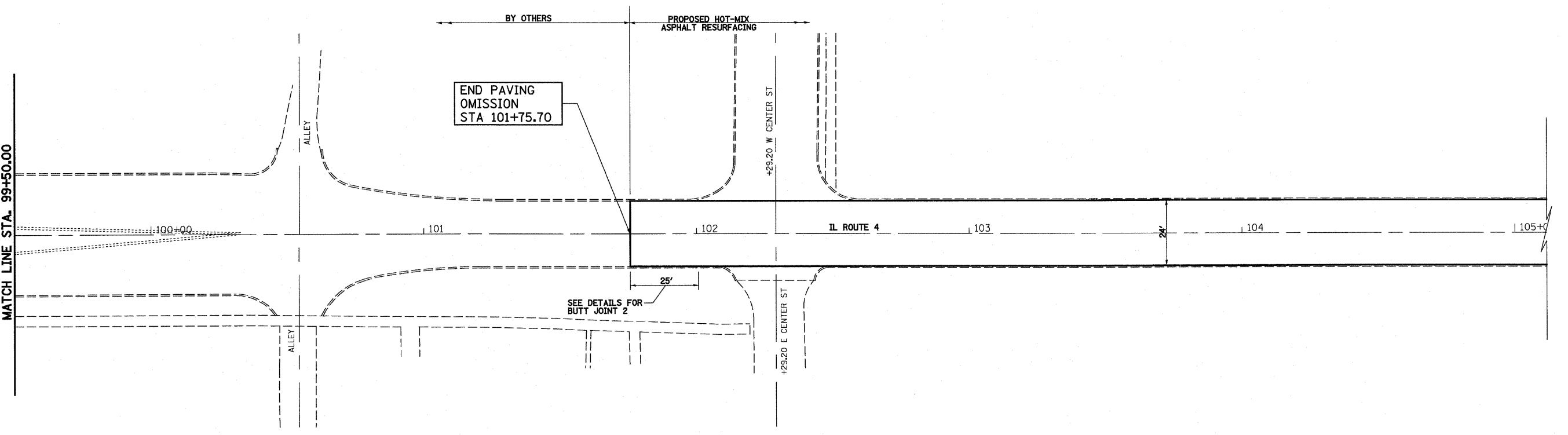
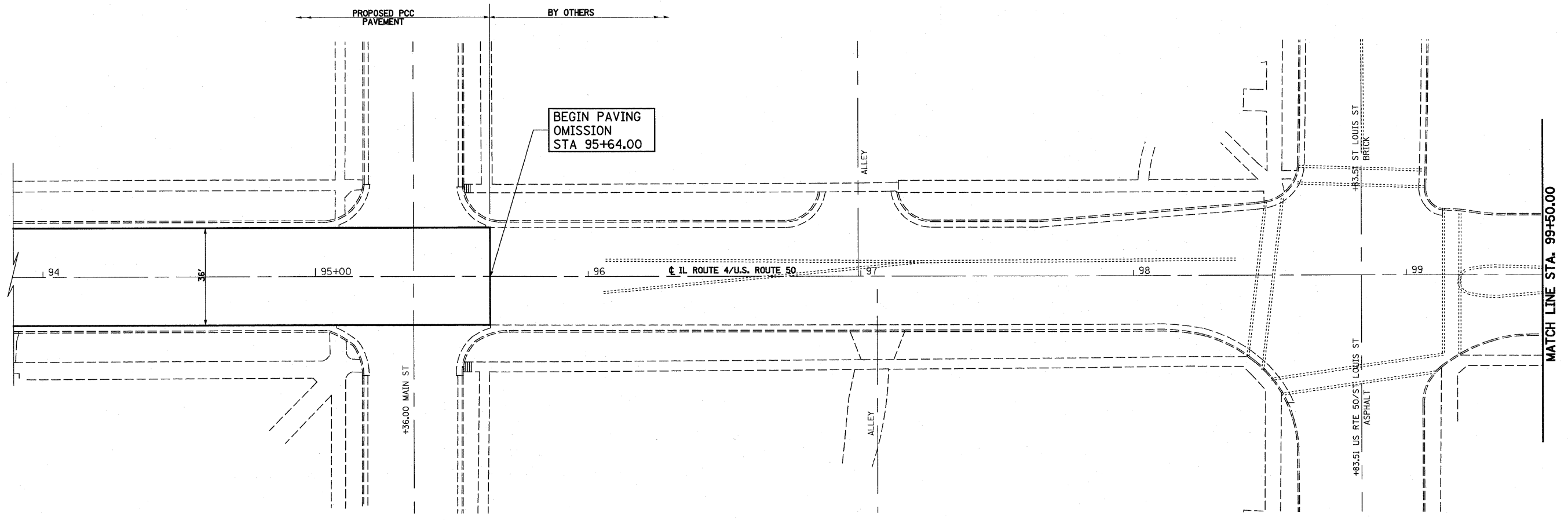
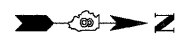
BEGINNING DETAIL



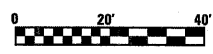
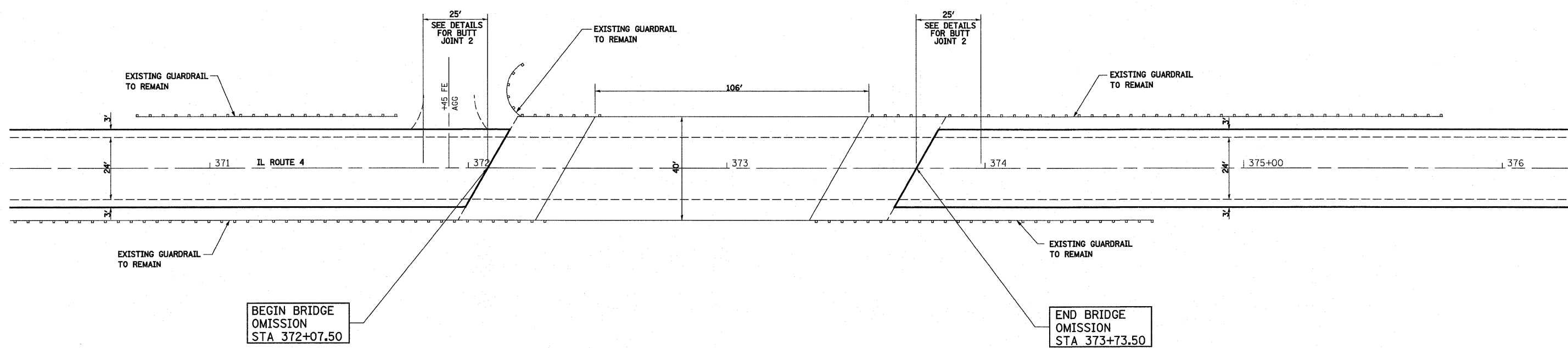
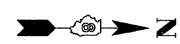
ENDING DETAIL



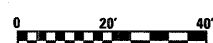
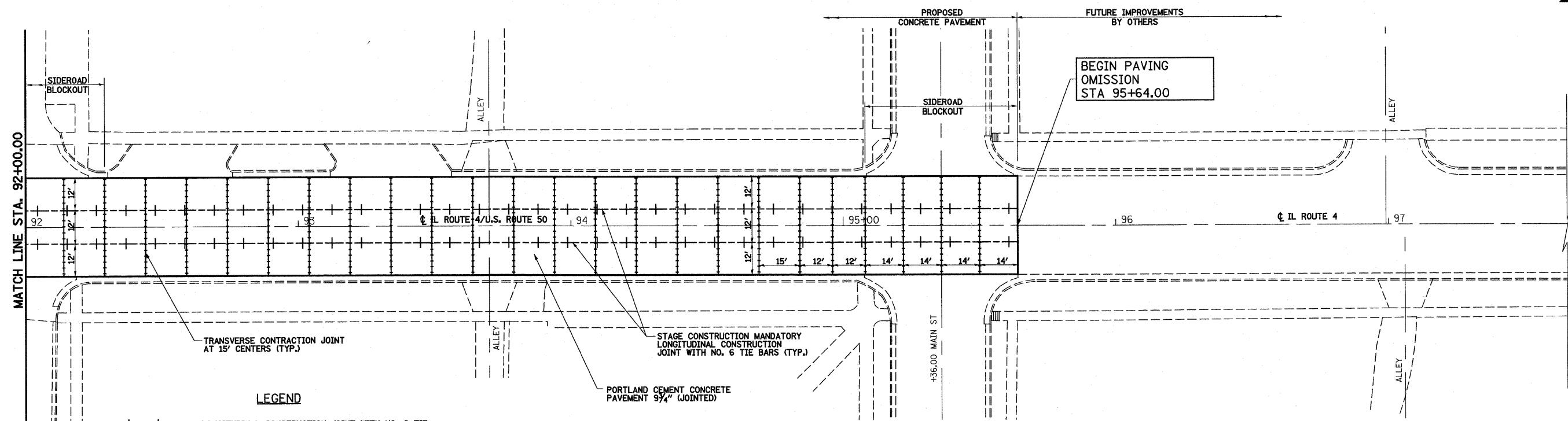
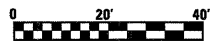
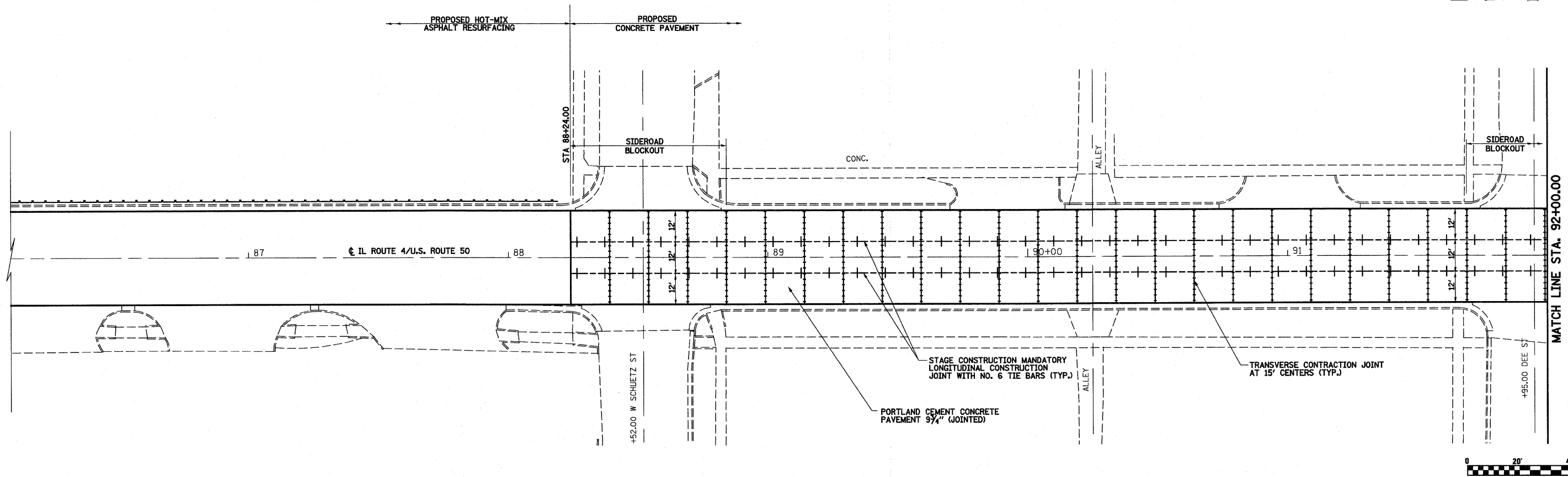
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEGINNING AND ENDING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\109-0028-SHF L 4 Lebanon 3P\dgn\CADD Sheets\1090028-shf1-detailed bag & end.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	19
PLOT DATE = 2/4/2011	DATE - 11-1-10	CHECKED - BRM	REVISED -		SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 76E29				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



FILE NAME = S:\Projects\409-0028-3HT IL 4 Lebanon 3P\ dgn\CA00 Strata\087629-ent-details beg & end.dgn	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEGINNING AND ENDING DETAILS (U.S. ROUTE 50 AND IL ROUTE 4)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000' / IN.	DRAWN - PDB	REVISED -		314	110, 111RS-4	MADISON & ST. CLAIR	58	20			
	PLOT DATE = 2/4/2011	CHECKED - BRM	REVISED -		SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 76E29				
	DATE - 11-1-10	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									



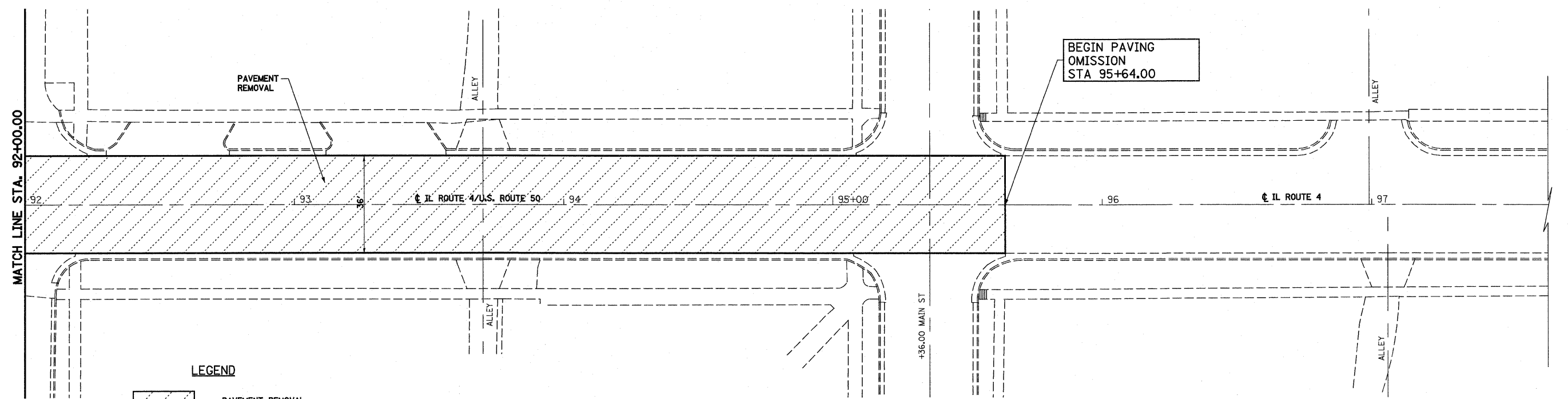
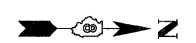
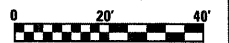
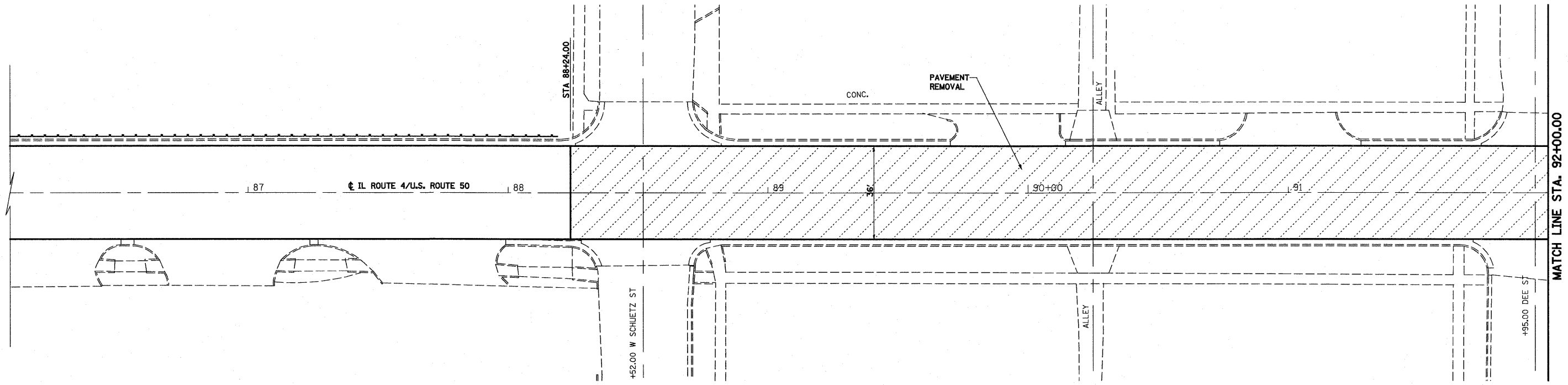
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S:\Projects\1409-0028-SHY 4 Lebanon 3P\dgn\CADD Shera\087629-ent-detailed bag & end.dgn	DRAWN - PDB	REVISED -	CONTRACT NO. 76E29									
PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISED -	SCALE: 1"=20'		SHEET NO. 3	OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
PLOT DATE = 2/4/2011	DATE - 11-1-10	REVISED -										



LEGEND

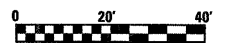
- +---+--- LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS (TYP.)
- TRANSVERSE CONTRACTION JOINT AT 15' CENTERS (TYP.)

FILE NAME = S:\Projects\409-0028-91Y L 4 Lebanon 3P\dgn\CADD Sta	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT DETAIL, IL ROUTE 4			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 22
	PLOT SCALE = 40,00000 ' / IN.	CHECKED - BRM	REVISED -					CONTRACT NO. 76E29				
PLOT DATE = 2/7/2011	DATE - 1-6-11	REVISED -	SCALE: 1"=20'		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



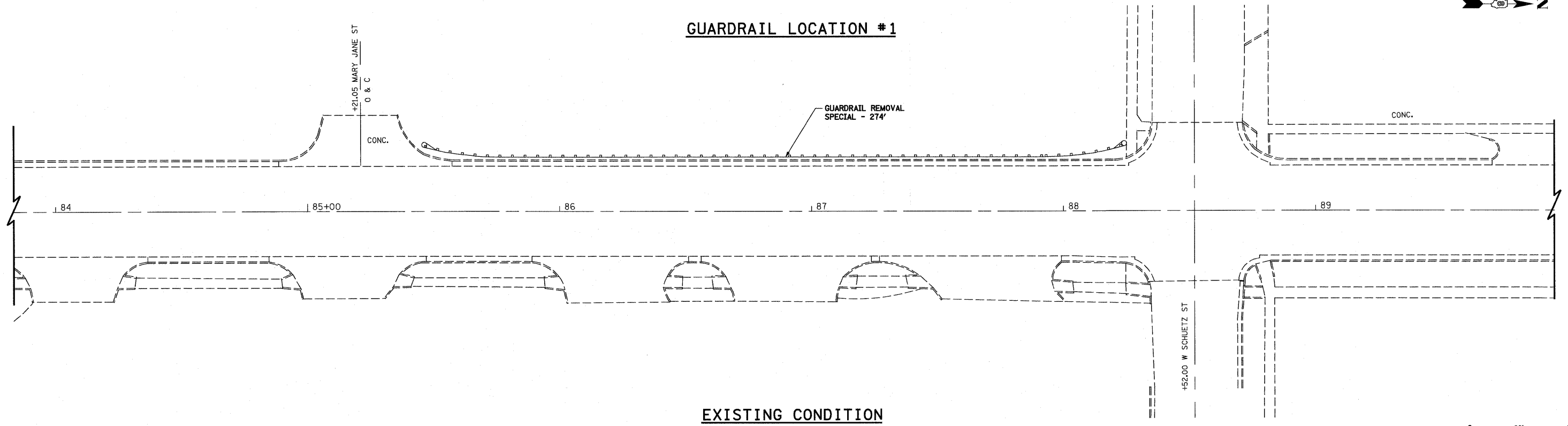
LEGEND

PAVEMENT REMOVAL

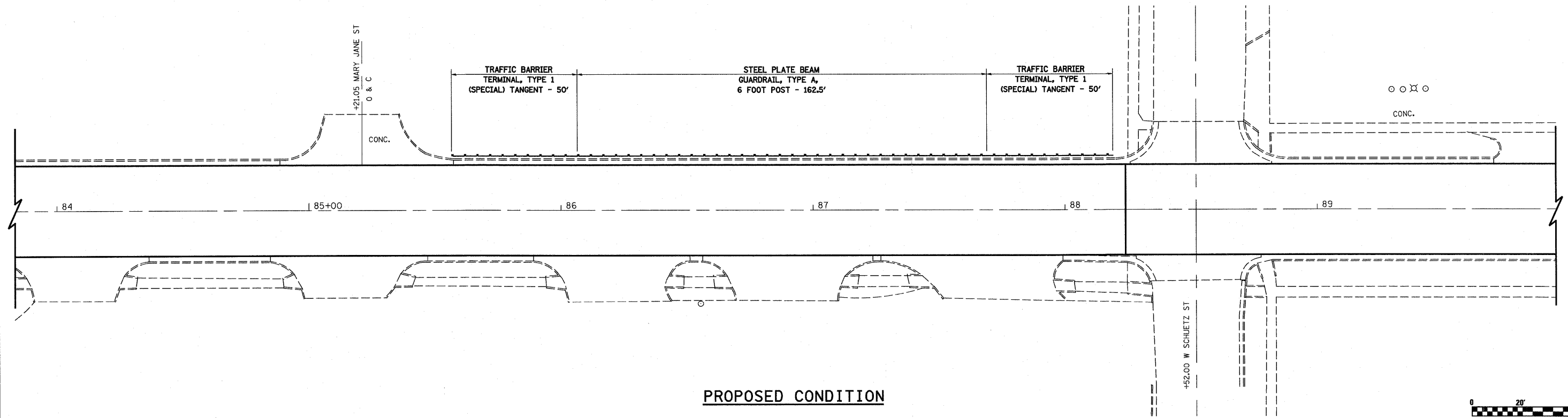
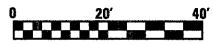


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S:\Projects\409-0028-SHY IL 4 Lebanon 3P\dgn\CA00 Sh	ete\0818229-ent-removalsheet.dgn	DRAWN - PDB	REVISED -		SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 76E29				
	PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 2/7/2011	DATE - 1-6-11	REVISED -									

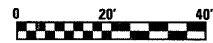
GUARDRAIL LOCATION #1



EXISTING CONDITION

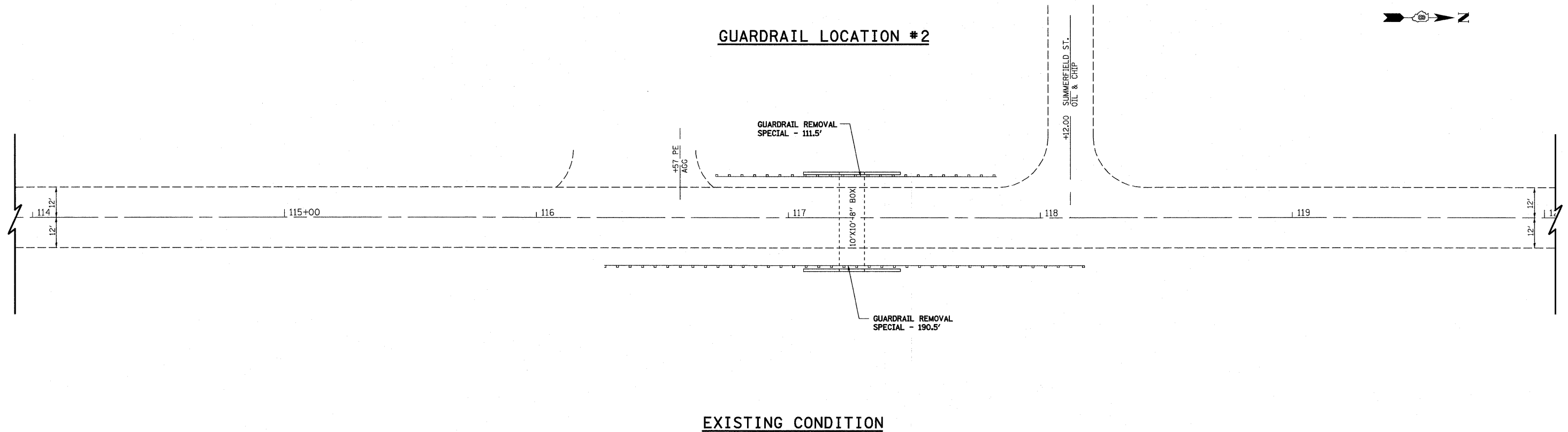


PROPOSED CONDITION

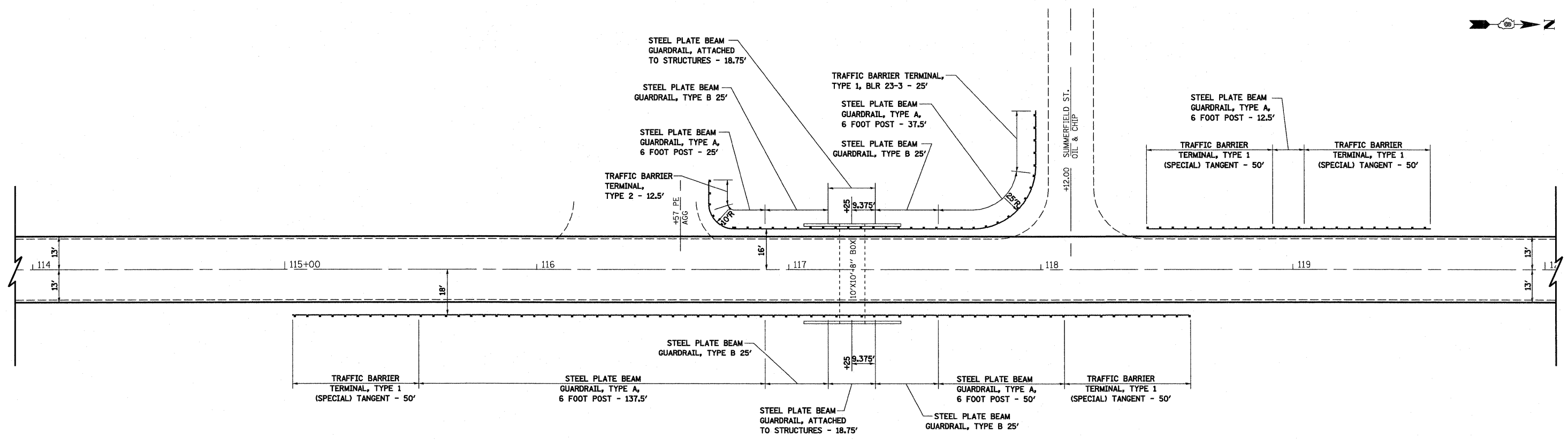
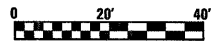


FILE NAME = S:\Projects\409-0028-917 L 4 Lebanon 3P\ dgn\CADD Sh...	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 24	
	PLT SCALE = 1/4" = 20' / IN.	DRAWN - PDB	REVISED -					CONTRACT NO. 76E29					
	CHECKED - BRM	DATE - 11-10-10	REVISED -					SCALE: 1"=20'	SHEET NO. 1 OF 18 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLT DATE = 2/7/2011	DATE - 11-10-10	REVISED -										

GUARDRAIL LOCATION #2



EXISTING CONDITION

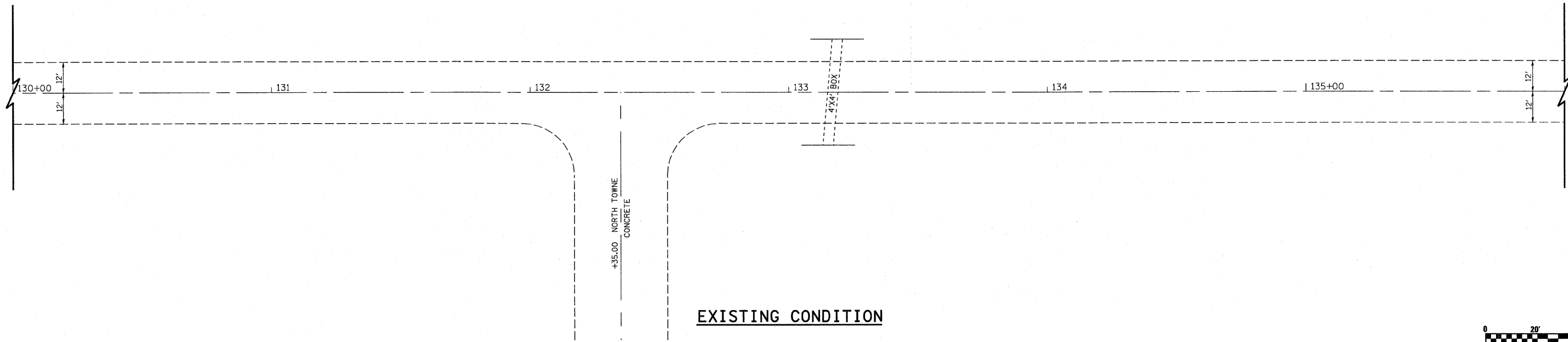


PROPOSED CONDITION

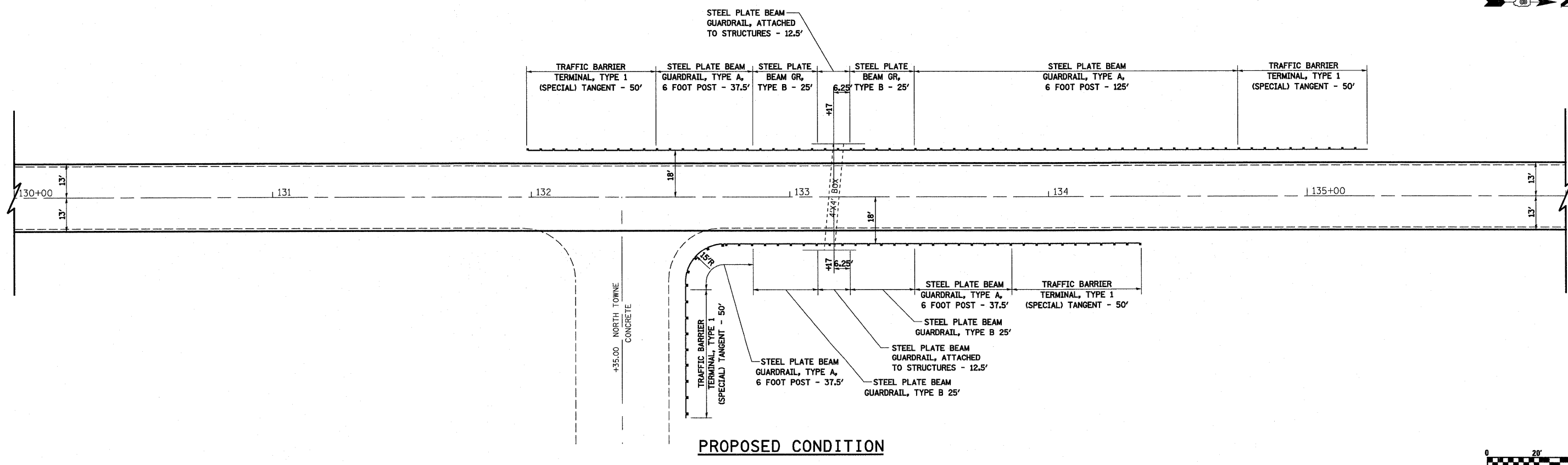
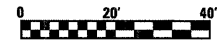


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 25
S:\Projects\109-0028-2011 L 4 Lebanon 3rd\gpcad\05\109-0028-2011-001-001-001-001.dgn	DRAWN - PDB	REVISED -	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29			
PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -	REVISED -									
PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -	REVISED -									

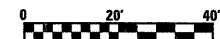
GUARDRAIL LOCATION #3



EXISTING CONDITION

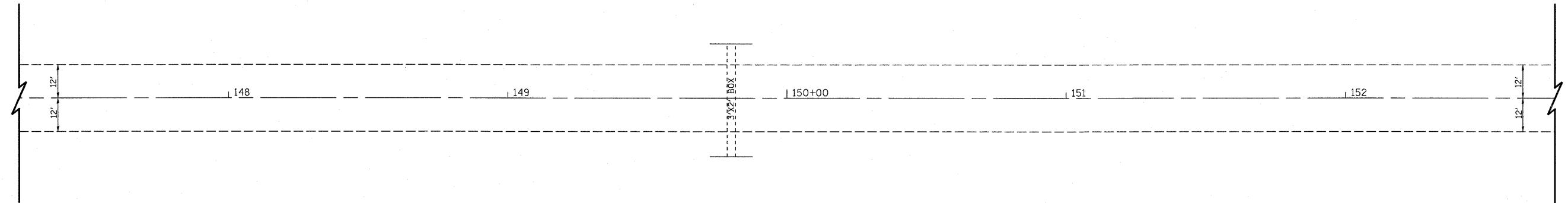
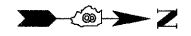


PROPOSED CONDITION

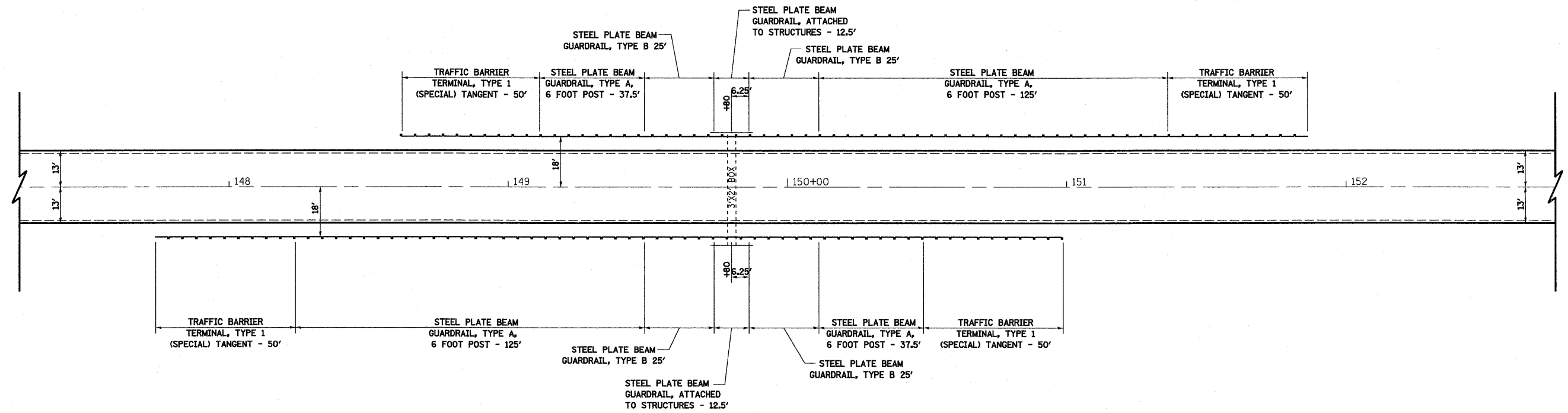
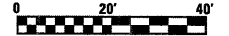


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS		F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 26		
S:\Projects\409-0028-SHY L 4 Lebanon 3P\dm\CAD00 Sh...rs\087623-eh1-details guardrail.dgn	DRAWN - PDB	CHECKED - BRM	REVISED -				SCALE: 1"=20'		SHEET NO. 3 OF 18 SHEETS		STA.	TO STA.	
PLOT SCALE = 40.0000' / IN.	DATE - 11-10-10	REVISED -	REVISED -				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76E29		
PLOT DATE = 2/7/2011													

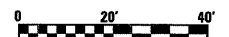
GUARDRAIL LOCATION #4



EXISTING CONDITION

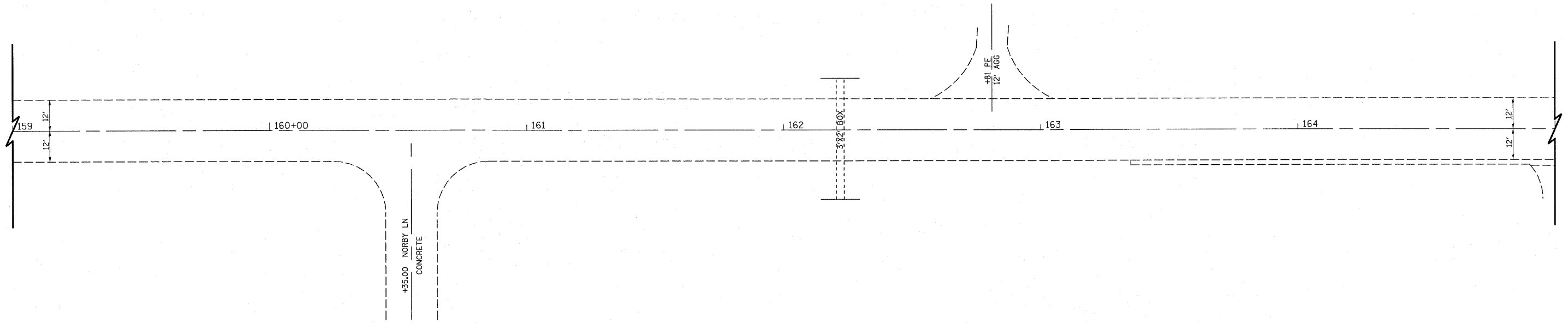


PROPOSED CONDITION

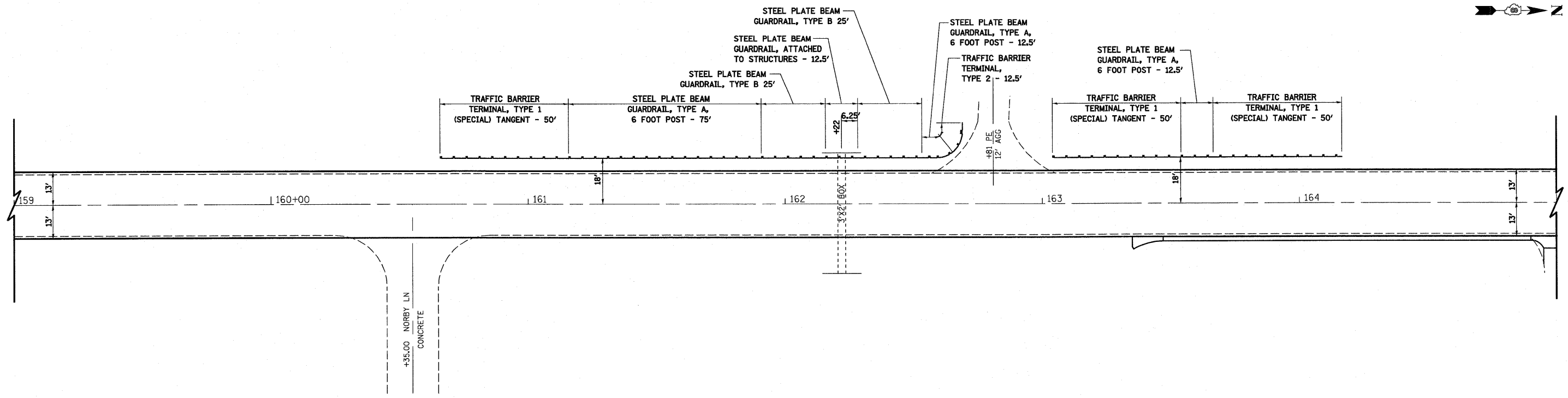
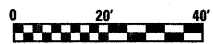


FILE NAME =	USER NAME = peul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-SHY L 4 Lebanon 3P\dm\CA00 Sh	ehs\087829-sh1-detailed guardrail.dgn	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	27
	PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISED -		SCALE: 1"=20'			SHEET NO. 4 OF 18 SHEETS			CONTRACT NO. 76E29	
	PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -		STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

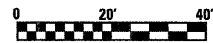
GUARDRAIL LOCATION #5



EXISTING CONDITION

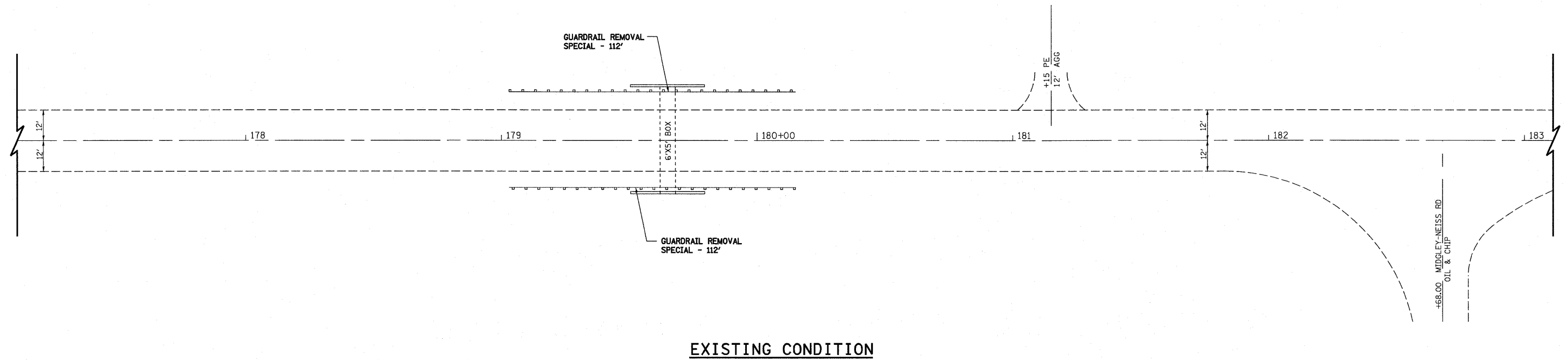


PROPOSED CONDITION

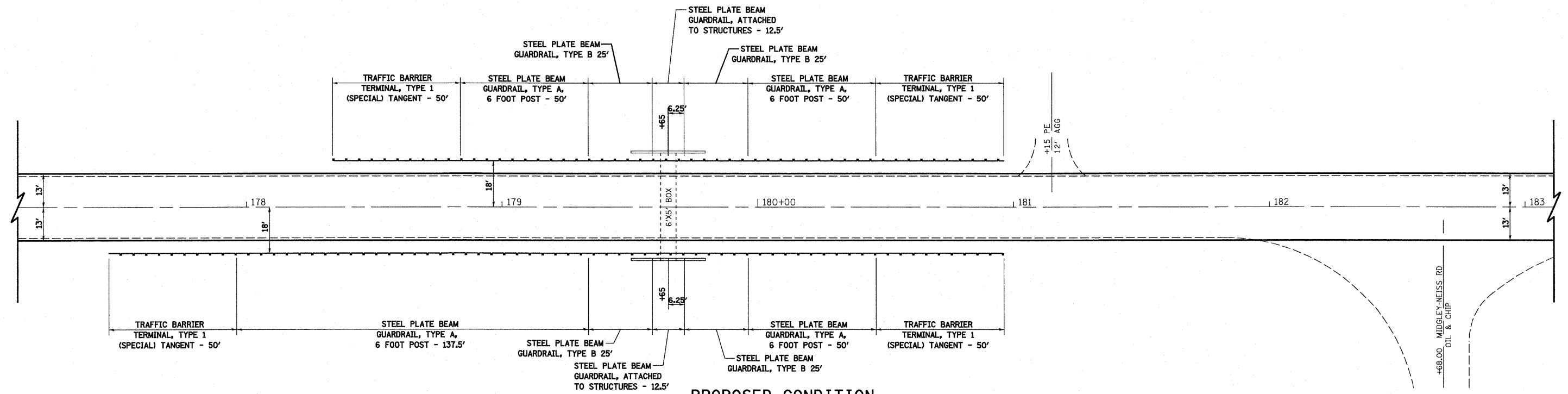


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	PLOT SCALE = 40,0000' / IN.	CHECKED - BRM	REVISED -		SCALE: 1"=20'	SHEET NO. 5 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29				
	PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT							

GUARDRAIL LOCATION #6



EXISTING CONDITION

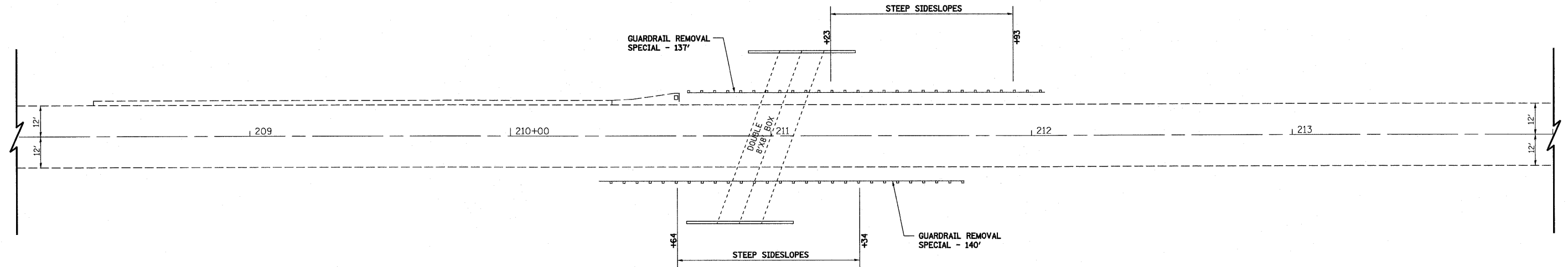


PROPOSED CONDITION

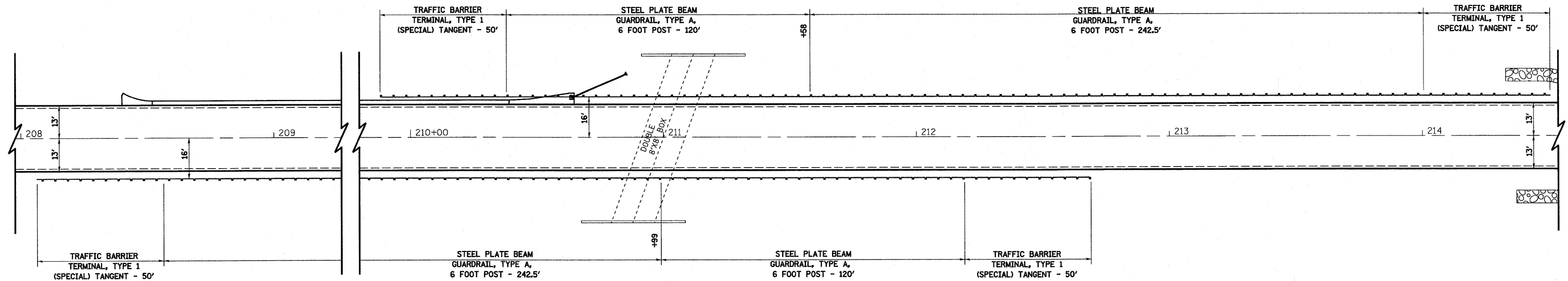
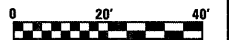
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\409-0028-SHT L 4 Lebanon 3P\ dgn\CADD sheets\087629-sht-detailed guardrail.dgn	PLDT SCALE = 40,0000' / IN.	DRAWN - PDB	REVISED -			314	(110, 111)RS-4	MADISON & ST. CLAIR	58	29	
PLDT DATE = 2/7/2011	DATE - 11-10-10	CHECKED - BRM	REVISED -			CONTRACT NO. 76E29					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET NO. 6 OF 18 SHEETS STA. TO STA.

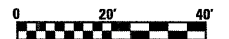
GUARDRAIL LOCATION #7



EXISTING CONDITION

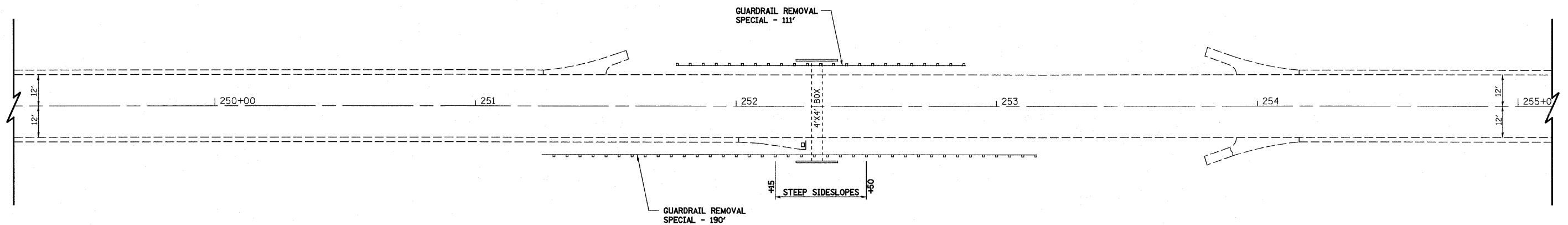
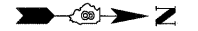


PROPOSED CONDITION

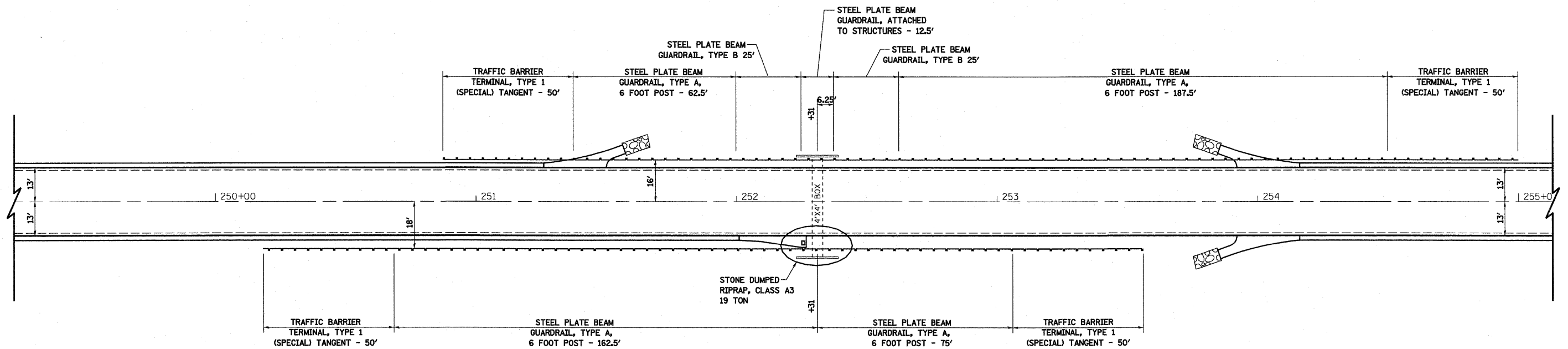
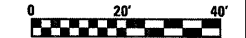


FILE NAME = S:\Projects\409-0028-91Y L 4 Lebanon 3P\ dgn\CADD Sheets\087629-ehf-detailed guardrail.dgn	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION 110, 111/RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 30
	PLOT SCALE = 40,0000' / IN.	CHECKED - BRM	REVISED -					CONTRACT NO. 76E29				
	PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -		SCALE: 1"=20'	SHEET NO. 7 OF 18 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

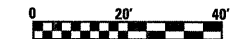
GUARDRAIL LOCATION #8



EXISTING CONDITION

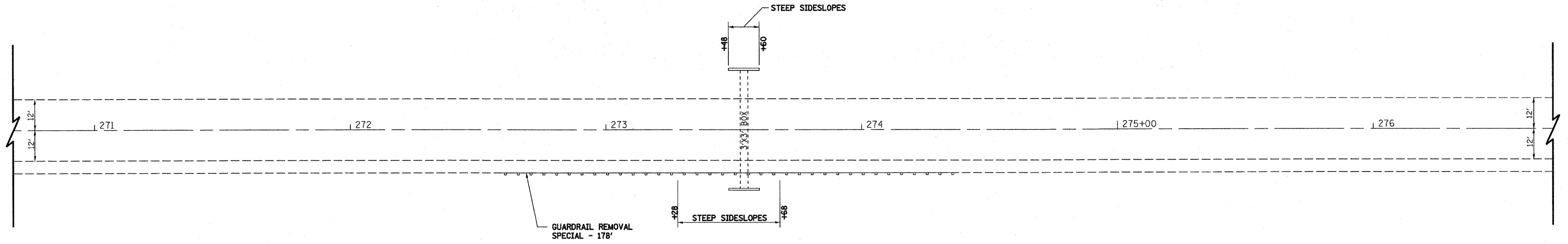


PROPOSED CONDITION

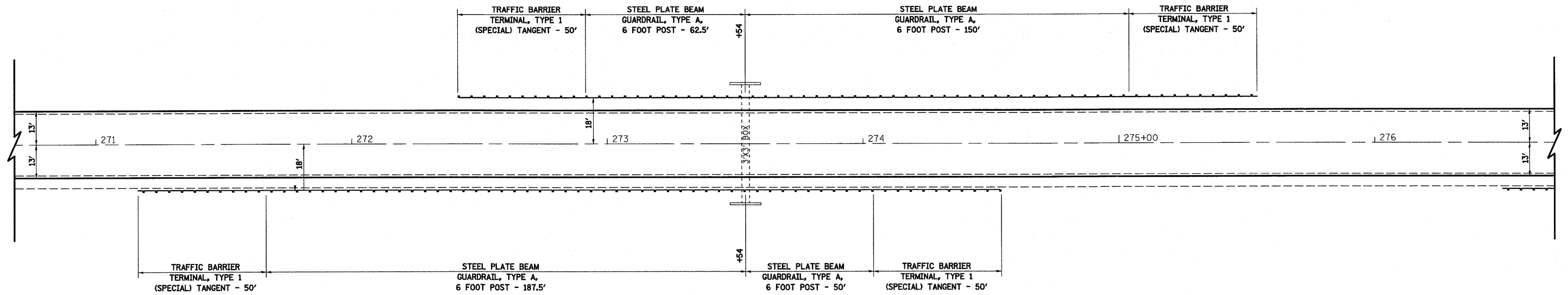
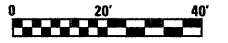


FILE NAME = S:\Projects\409-0026-SHY L 4 Lebanon 3P\dgn\CADD Station\087629-ehf-details guardrail.dgn	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS		F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 31
	PLOT SCALE = 40,0000 ' / IN.	DRAWN - PDB	REVISED -				CONTRACT NO. 76E29				
	PLOT DATE = 2/7/2011	CHECKED - BRM	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	DATE - 11-10-10	REVISED -	SCALE: 1"=20' SHEET NO. 8 OF 18 SHEETS STA. TO STA.								

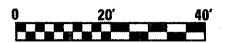
GUARDRAIL LOCATION #9



EXISTING CONDITION



PROPOSED CONDITION



FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -
S:\Projects\409-0028-SHY L 4 Lebanon 3P\plan\CADD Sheets\087629-eh1-detailed guardrail.dgn		DRAWN - PDB	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - BRM	REVISED -
	PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -

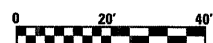
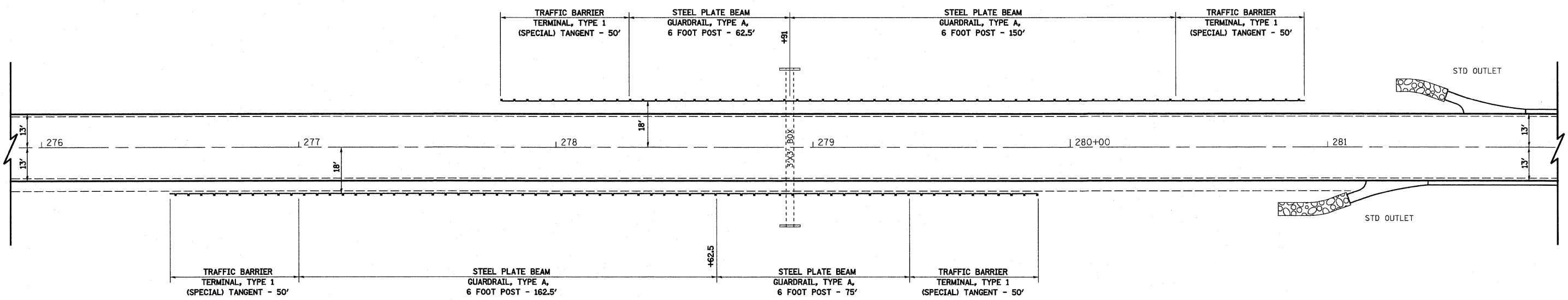
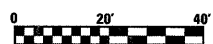
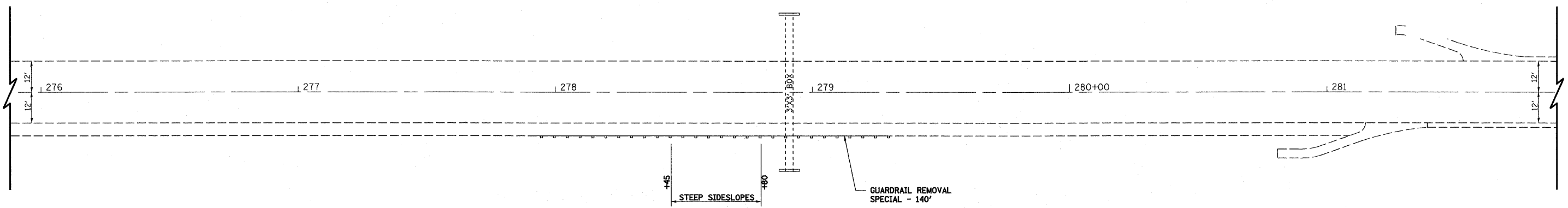
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: 1"=20' SHEET NO. 9 OF 18 SHEETS STA. TO STA.

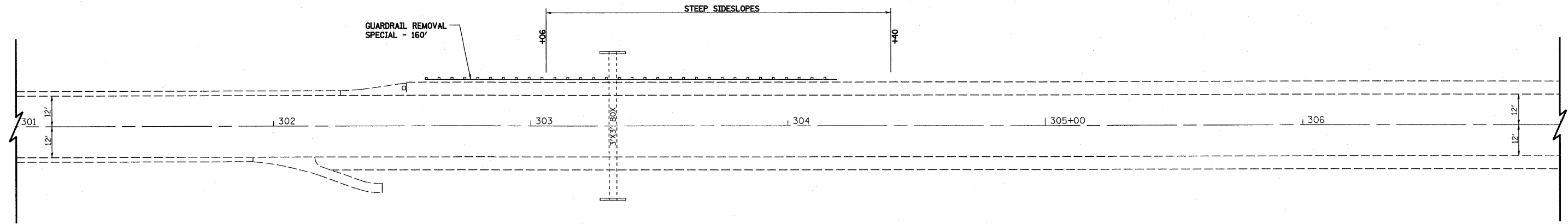
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
314	(110, 111)RS-4	MADISON & ST. CLAIR	58	32
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76E29				

GUARDRAIL LOCATION #10

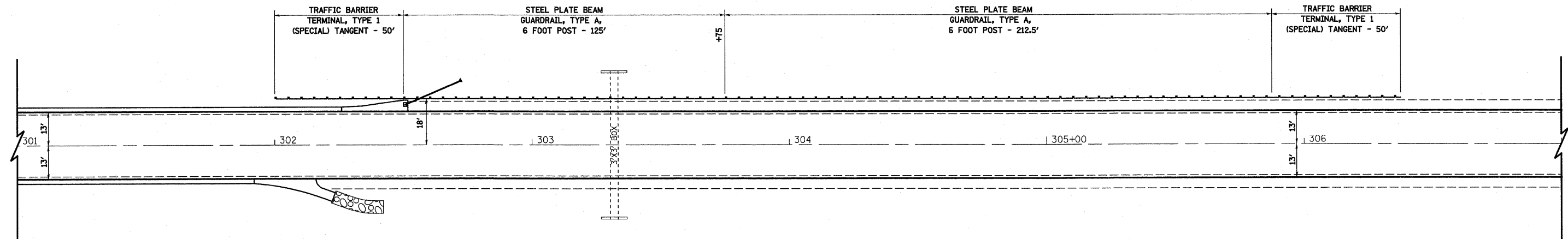
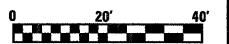


FILE NAME = S:\Projects\409-0028-SHY L 4 Lebanon 3P\dgn\CADD Sheets\087629-sh1-detailed guardrail.dgn	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 33
	PLOT SCALE = 40,00000 ' / IN.	DRAWN - PDB	REVISED -					SCALE: 1"=20' SHEET NO. 10 OF 18 SHEETS STA. TO STA.			CONTRACT NO. 76E29	
	PLOT DATE = 2/7/2011	CHECKED - BRM	DATE - 11-10-10		REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

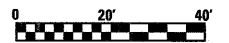
GUARDRAIL LOCATION #11



EXISTING CONDITION

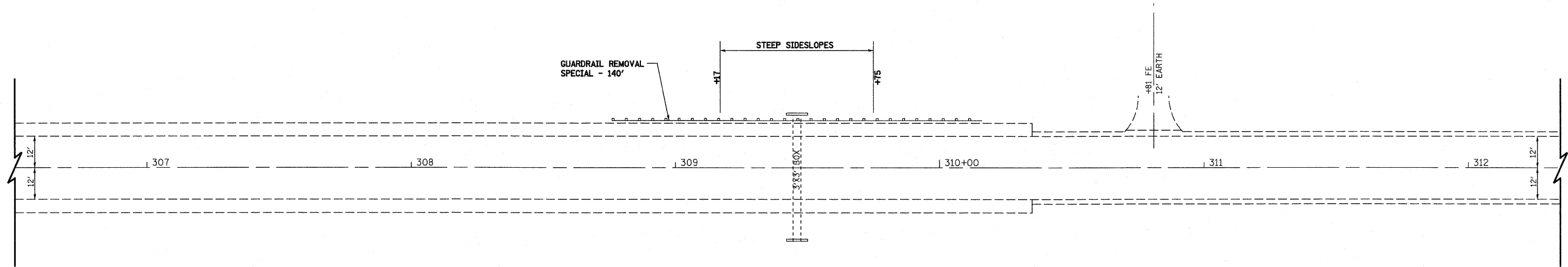


PROPOSED CONDITION

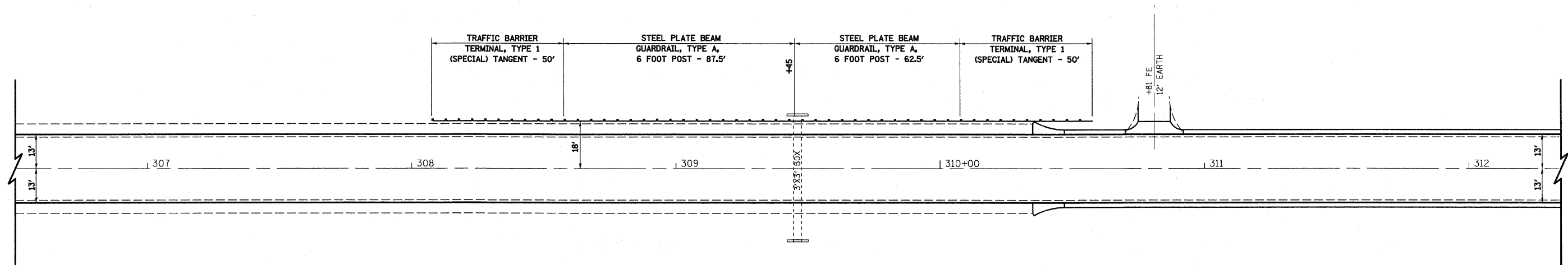
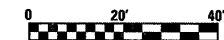


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-SHY L 4 Lebanon 3P\dgn\CADD Sheets\087629-eh1-detailed guardrail.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	34
PLOT DATE = 2/7/2011	DATE - 11-10-10	CHECKED - BRM	REVISED -		SCALE: 1"=20' SHEET NO. 11 OF 18 SHEETS STA. TO STA.			CONTRACT NO. 76E29				
		DATE - 11-10-10	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

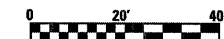
GUARDRAIL LOCATION #12



EXISTING CONDITION

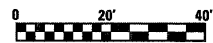
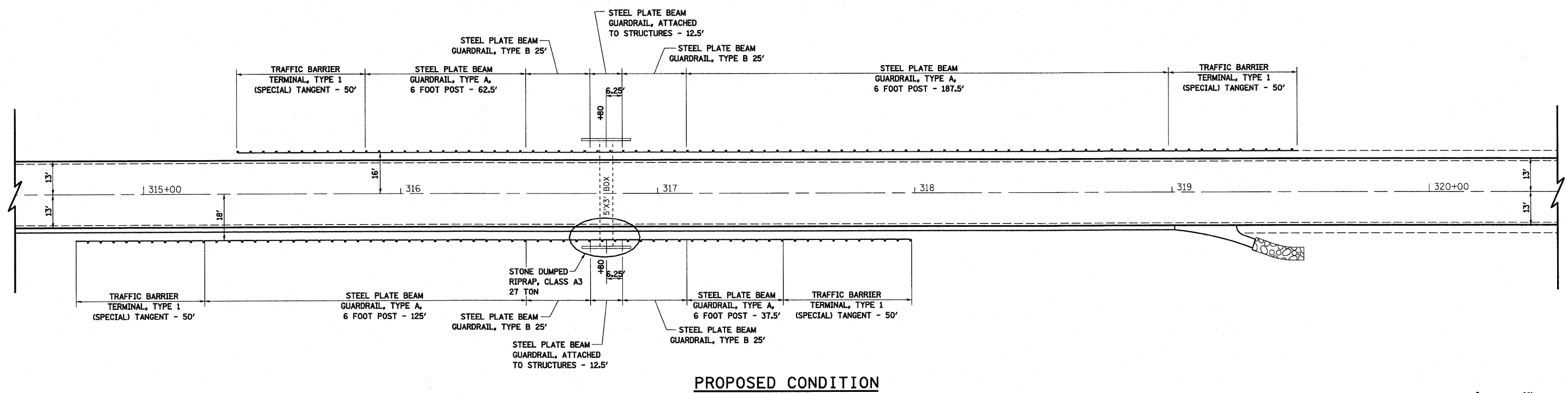
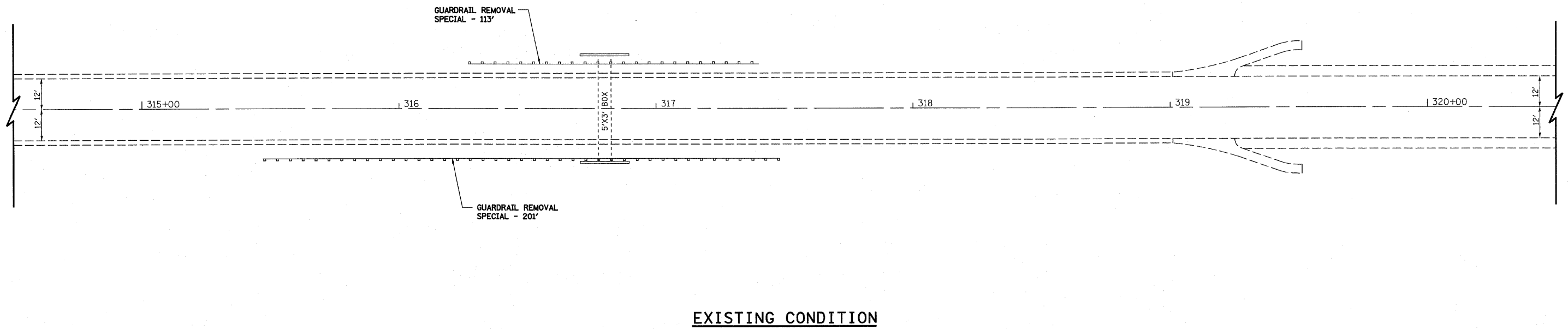


PROPOSED CONDITION



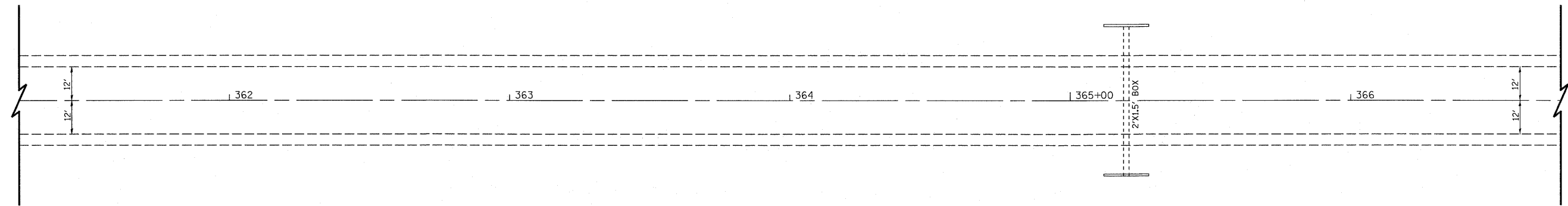
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 35
S:\Projects\409-0028-SHY L 4 Lebanon 3P\vdgn\CA00 Sheets\087629-eh1-detailed guardrail.dgn	PLT SCALE = 40.0000' / IN.	DRAWN - PDB	REVISED -		SCALE: 1"=20'	SHEET NO. 12 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29		ILLINOIS FED. AID PROJECT	
	PLT DATE = 2/7/2011	CHECKED - BRM	REVISED -									
		DATE - 11-10-10	REVISED -									

GUARDRAIL LOCATION #13

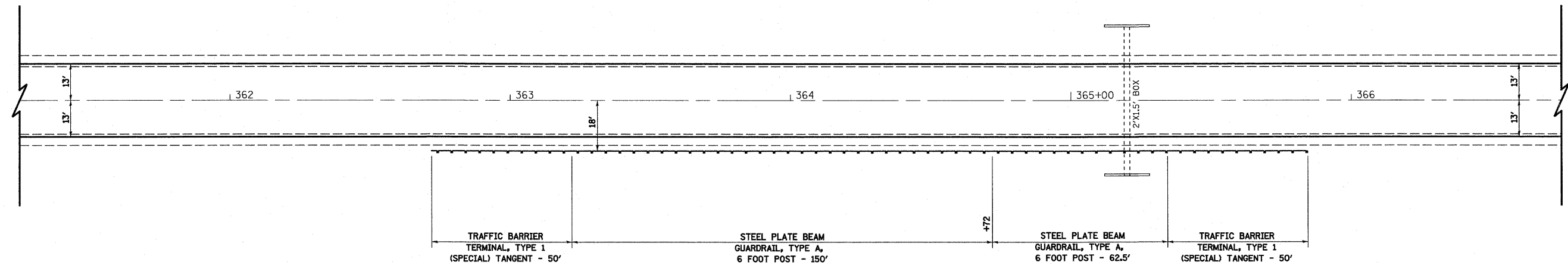
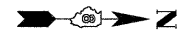
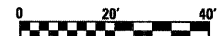


FILE NAME = S:\Projects\409-0028-SHY L 4 Lebanon 3P\409\CA00 Sh...	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48,0000' / IN.	DRAWN - PDB	REVISED -				314	110, 111RS-4	MADISON & ST. CLAIR	58	36
	PLOT DATE = 2/7/2011	CHECKED - BRM	REVISED -				CONTRACT NO. 76E29				
	DATE - 11-10-10	REVISED -		SCALE: 1"=20' SHEET NO. 13 OF 18 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

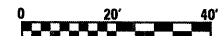
GUARDRAIL LOCATION #14



EXISTING CONDITION

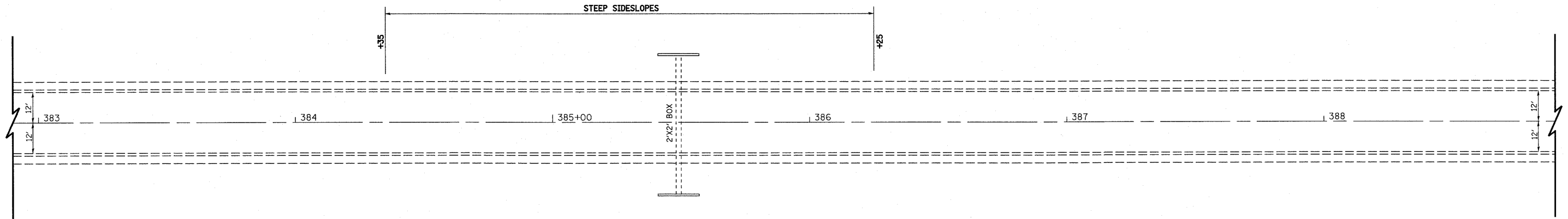


PROPOSED CONDITION

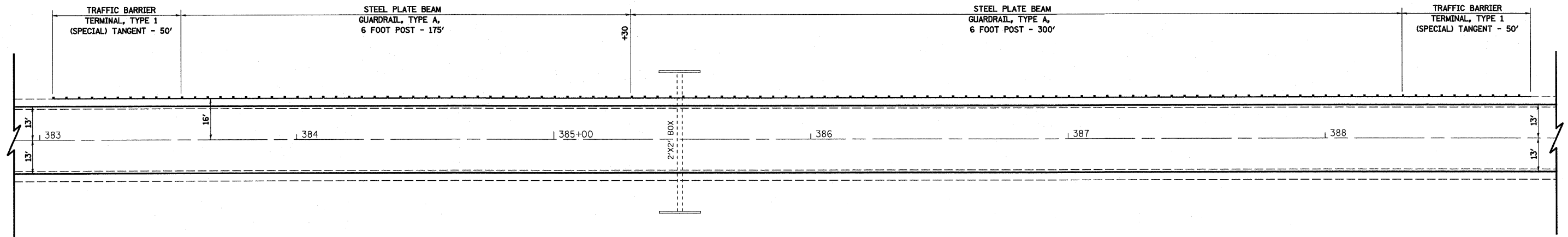
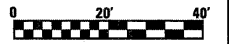


FILE NAME = S:\Projects\409-0028-91Y IL 4 Lebanon 3P\dgn\CADD Sheets\087629-eh1-details guardrail.dgn	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 37
	PLOT SCALE = 1/8" = 1' IN.	DRAWN -	REVISED -					CONTRACT NO. 76E29				
	PLOT DATE = 2/7/2011	CHECKED -	REVISED -					STA. TO STA.	ILLINOIS FED. AID PROJECT			
	DATE -	REVISED -	SCALE: 1"=20'					SHEET NO. 14 OF 18 SHEETS				

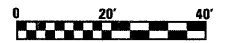
GUARDRAIL LOCATION #15



EXISTING CONDITION

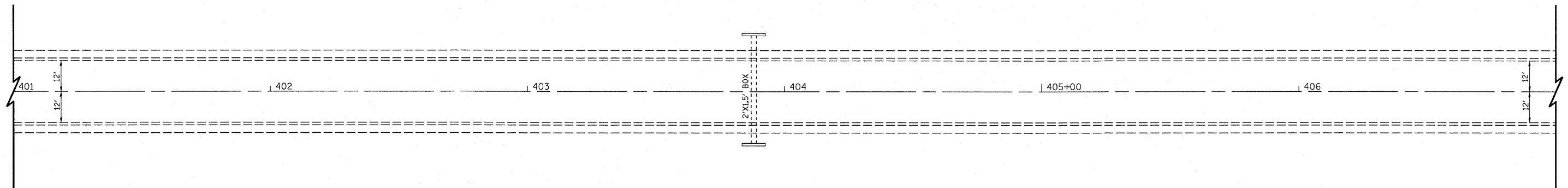


PROPOSED CONDITION

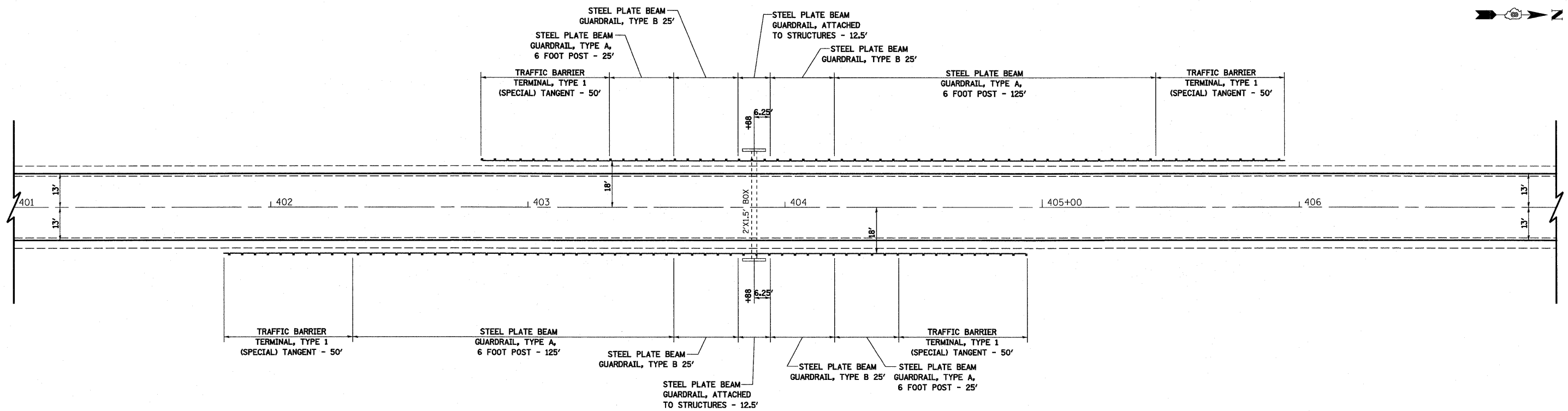
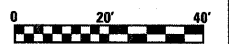


FILE NAME = S:\Projects\409-0028-SHT L 4 Lebanon 3P\vdgn\CA00 Sh...	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 38
	PLOT SCALE = 40,0000' / IN.	DRAWN - PDB	REVISED -					CONTRACT NO. 76E29				
	PLOT DATE = 2/7/2011	CHECKED - BRM	REVISED -					SCALE: 1"=20'	SHEET NO. 15 OF 18 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.
DATE - 11-10-10	CHECKED - BRM	REVISED -	REVISED -									

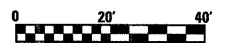
GUARDRAIL LOCATION #16



EXISTING CONDITION

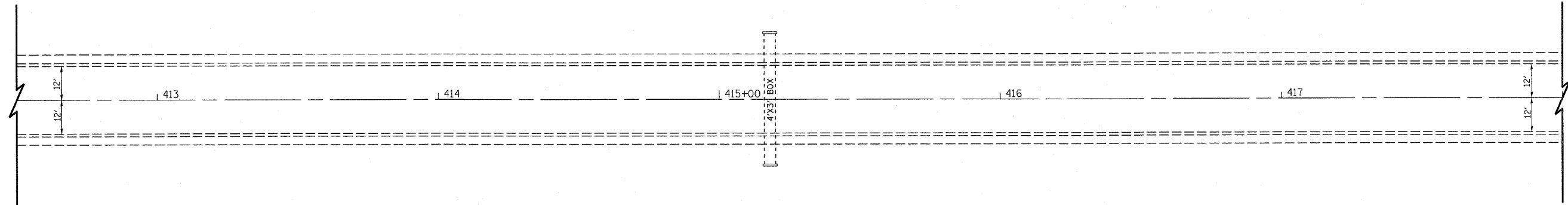


PROPOSED CONDITION

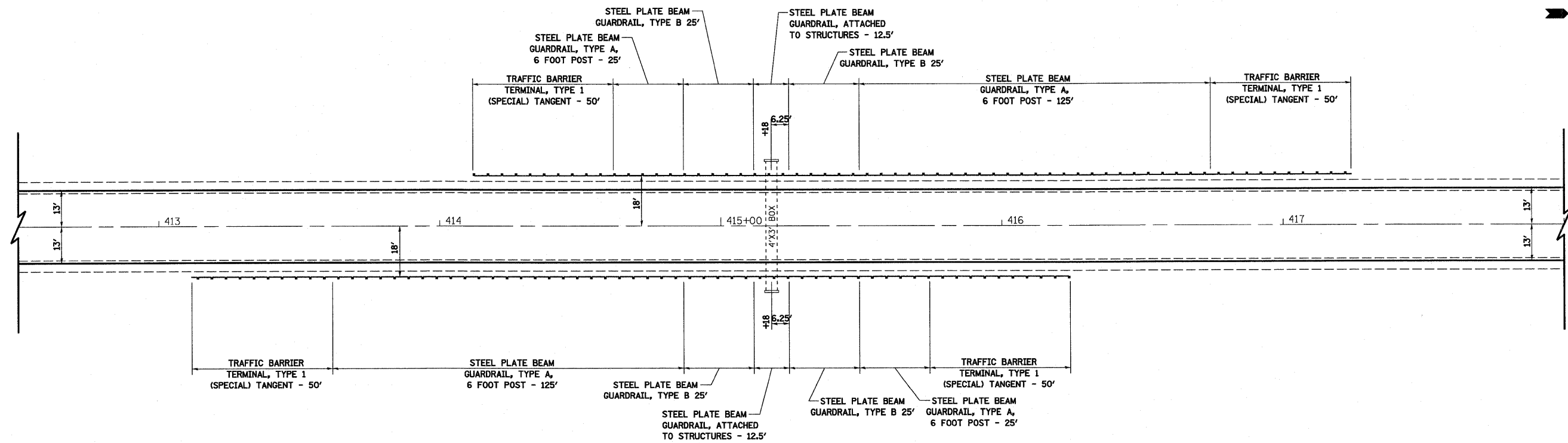
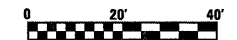


FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE. 314	SECTION 110, 111RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 39
Plot Scale = 40,0000' / IN.	CHECKED - BRM	DATE - 11-10-10	REVISED -		SCALE: 1"=20'	SHEET NO. 16 OF 18 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29			
PLOT DATE = 2/7/2011	DATE - 11-10-10	REVISED -							ILLINOIS FED. AID PROJECT			

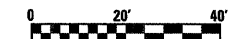
GUARDRAIL LOCATION #17



EXISTING CONDITION

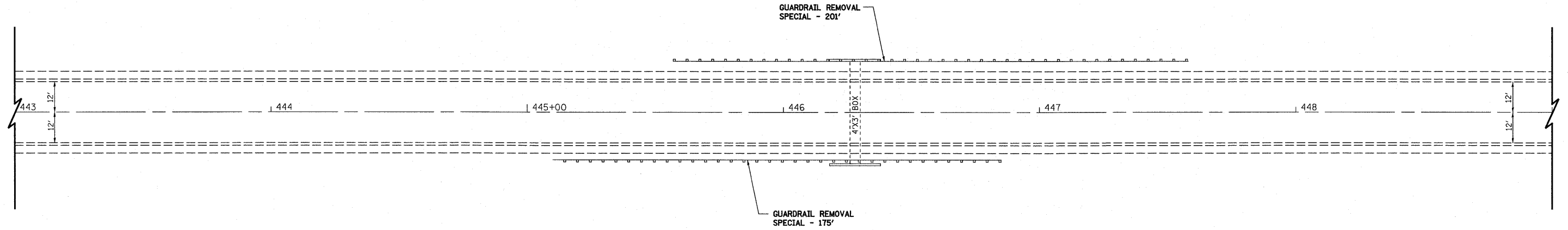
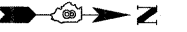


PROPOSED CONDITION

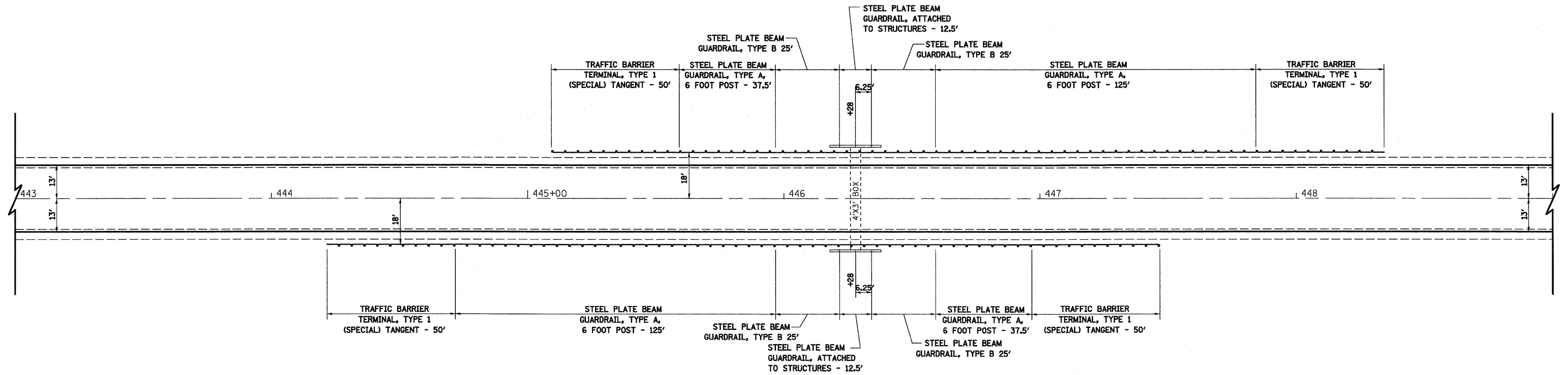


FILE NAME = S:\P\Projects\409-0028-SHY L 4 Lebanon 3P\409\CA00 Sh...	USER NAME = paul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLT SCALE = 40,0000 ' / IN.	DRAWN -	REVISED -					314	110, 111RS-4	MADISON & ST. CLAIR	58	40
	PLT DATE = 2/7/2011	CHECKED -	REVISED -					CONTRACT NO. 76E29				
	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									
				SCALE: 1"=20' SHEET NO. 17 OF 18 SHEETS STA. TO STA.								

GUARDRAIL LOCATION #18



EXISTING CONDITION



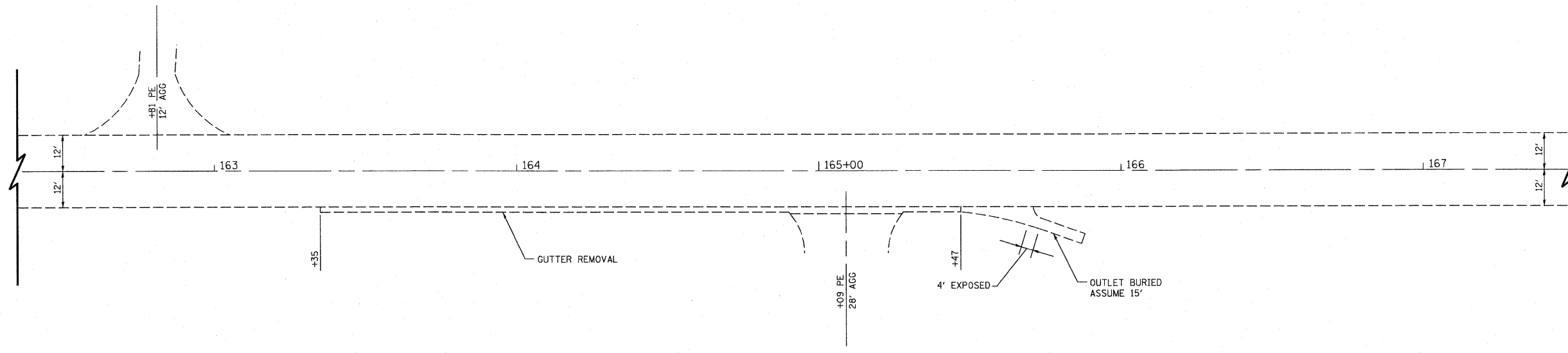
PROPOSED CONDITION



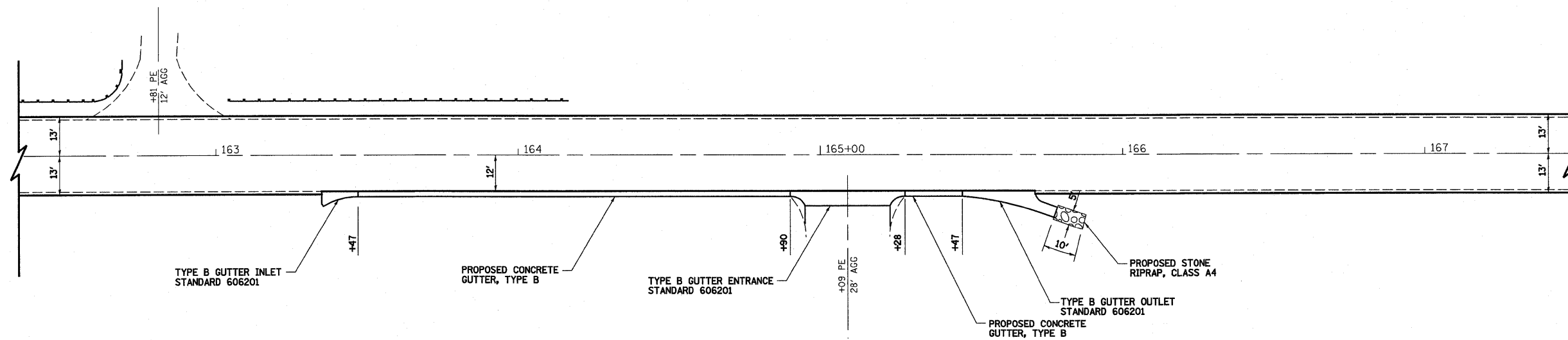
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\409-0028-SHY L 4 Lebanon 3P\dm\CA00 Sheets\087629-ent-detailed guardrail.dgn	PLT SCALE = 40,0000 ' / IN.	DRAWN - PDB	REVISED -			314	(110, 111)RS-4	MADISON & ST. CLAIR	58	41	
PLT DATE = 2/7/2011	DATE - 11-10-10	CHECKED - BRM	REVISED -			CONTRACT NO. 76E29					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET NO. 18 OF 18 SHEETS STA. TO STA.

GUTTER LOCATION #1



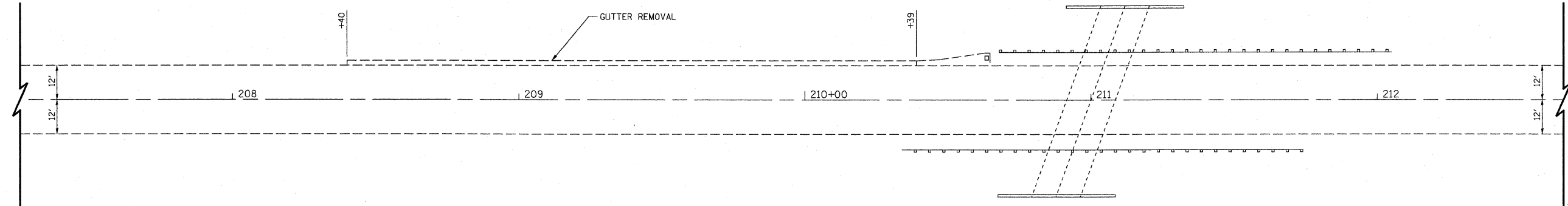
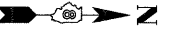
EXISTING CONDITION



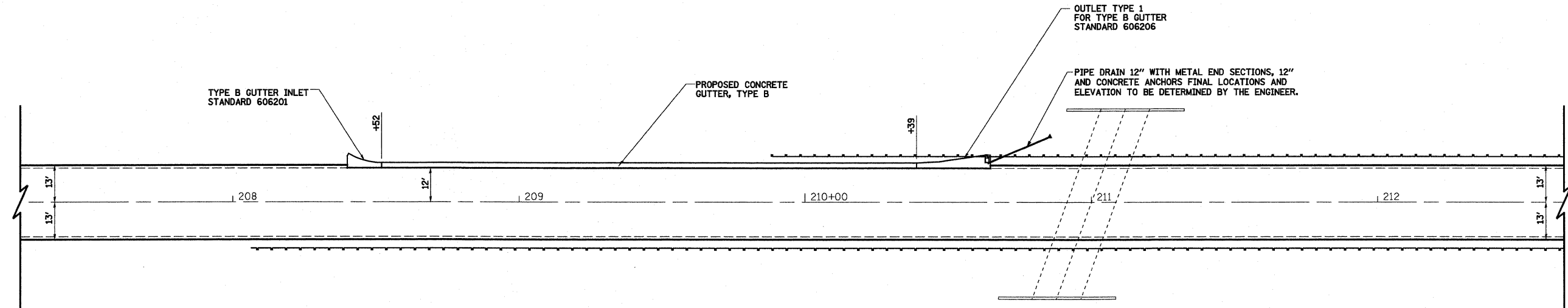
PROPOSED CONDITION

FILE NAME = S:\Projects\409-0028-SHY IL 4 Lebanon 3P\dgn\CA00 Sh	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS		F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 42
	PLOT SCALE = 40,0000' / IN.	DRAWN - WJS	REVISED -				SCALE: 1"=20'		SHEET NO. 1 OF 9 SHEETS		STA. TO STA.
PLOT DATE = 3/24/2011	CHECKED - BRM	DATE - 11-11-10	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

GUTTER LOCATION #2



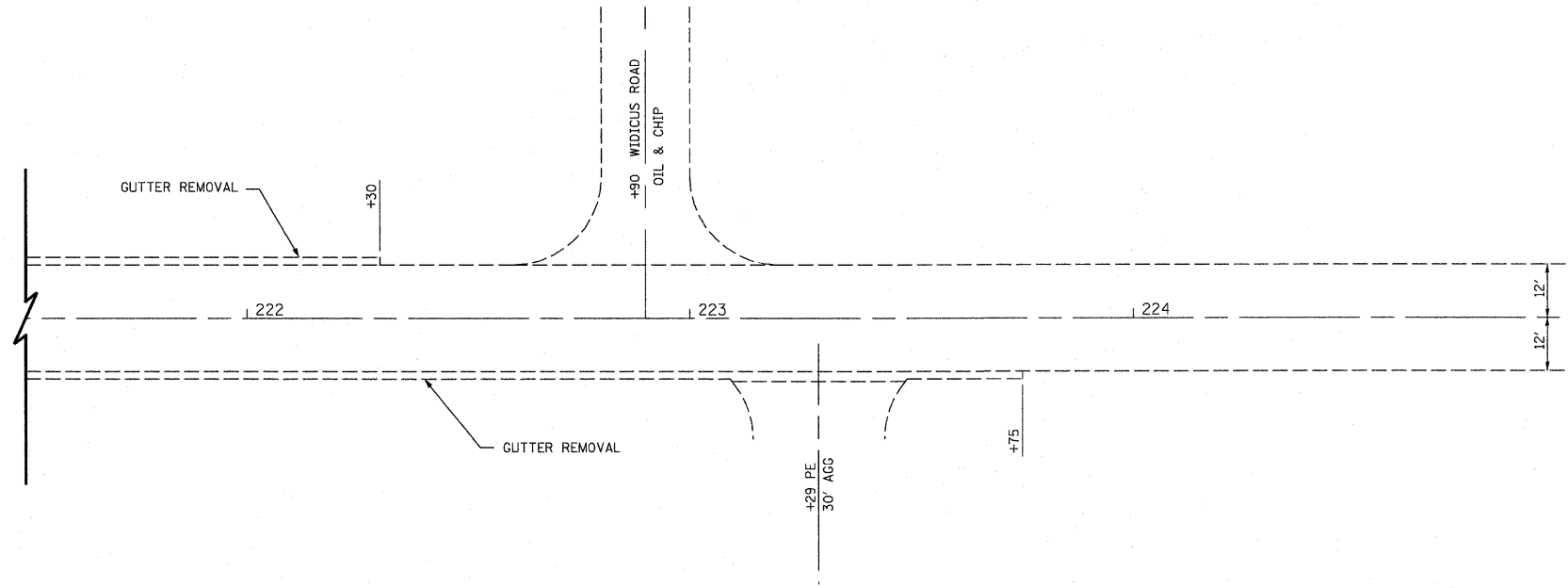
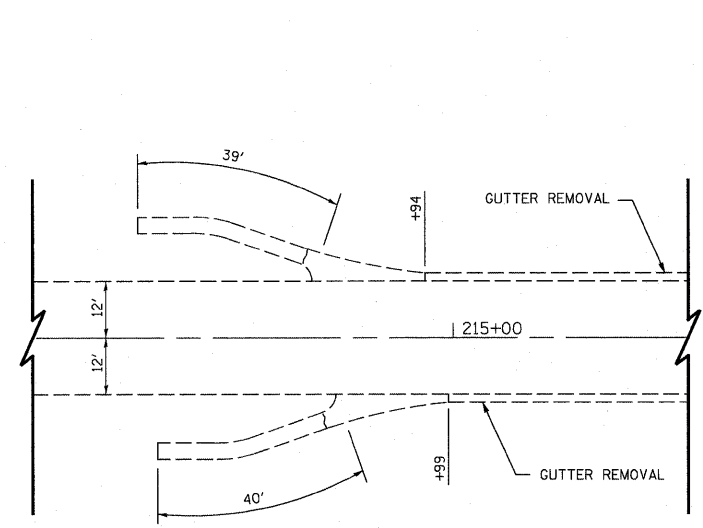
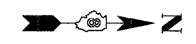
EXISTING CONDITION



PROPOSED CONDITION

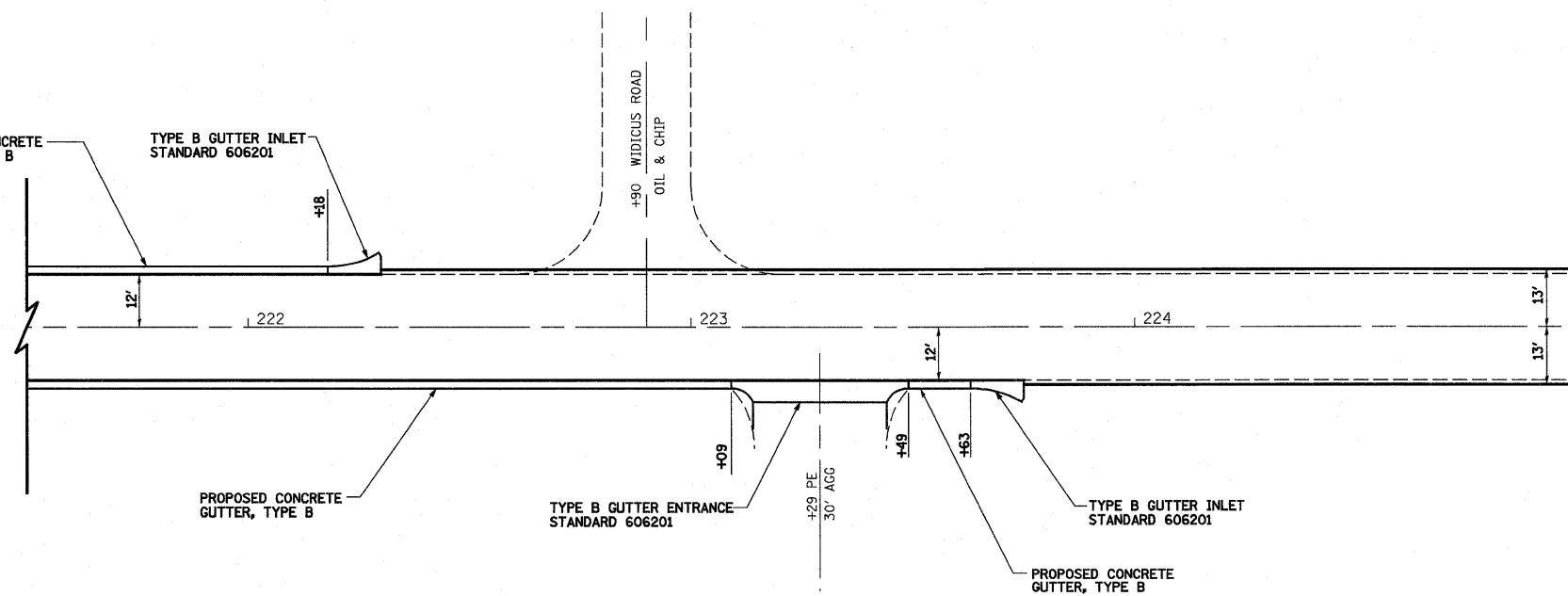
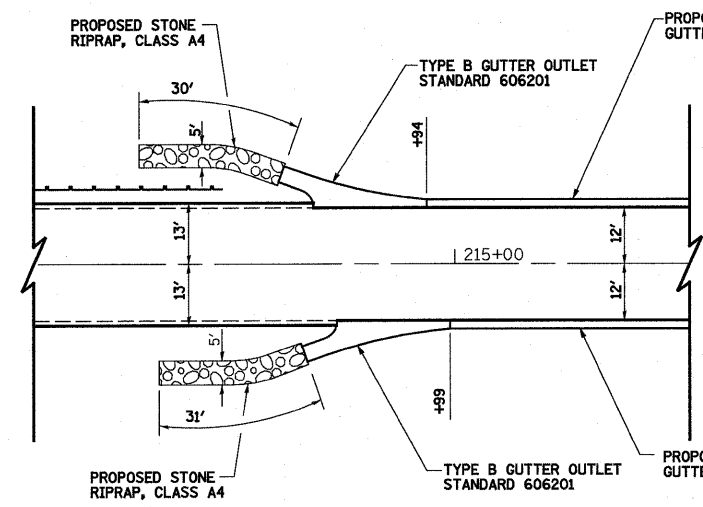
FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA\Projects\109-0028-SHY IL 4 Lebanon 3P\dgr\CADD Sheets\087629-sh1-detailed_gutter.dgn		DRAWN - PDB	REVISED -		314	(110, 111)RS-4	MADISON & ST CLAIR	58	43			
PLOT SCALE = 1/8" = 1' / IN.		CHECKED - BRM	REVISED -		CONTRACT NO. 76E29							
PLOT DATE = 3/24/2011		DATE - 11-10-10	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 9 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

GUTTER LOCATION #3



MATCH LINE STA. 225+00

EXISTING CONDITION



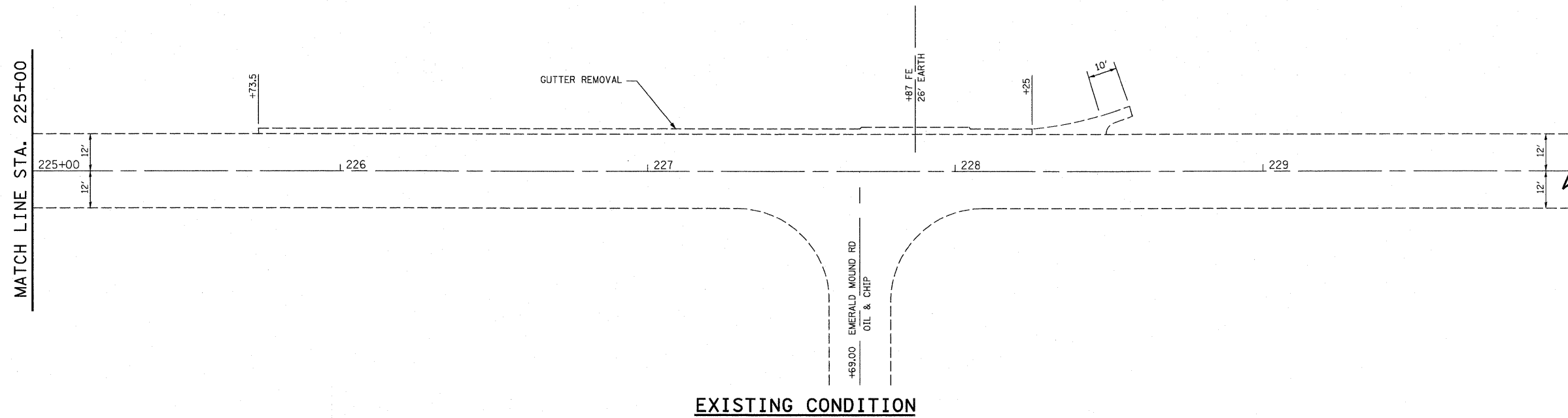
MATCH LINE STA. 225+00

PROPOSED CONDITION

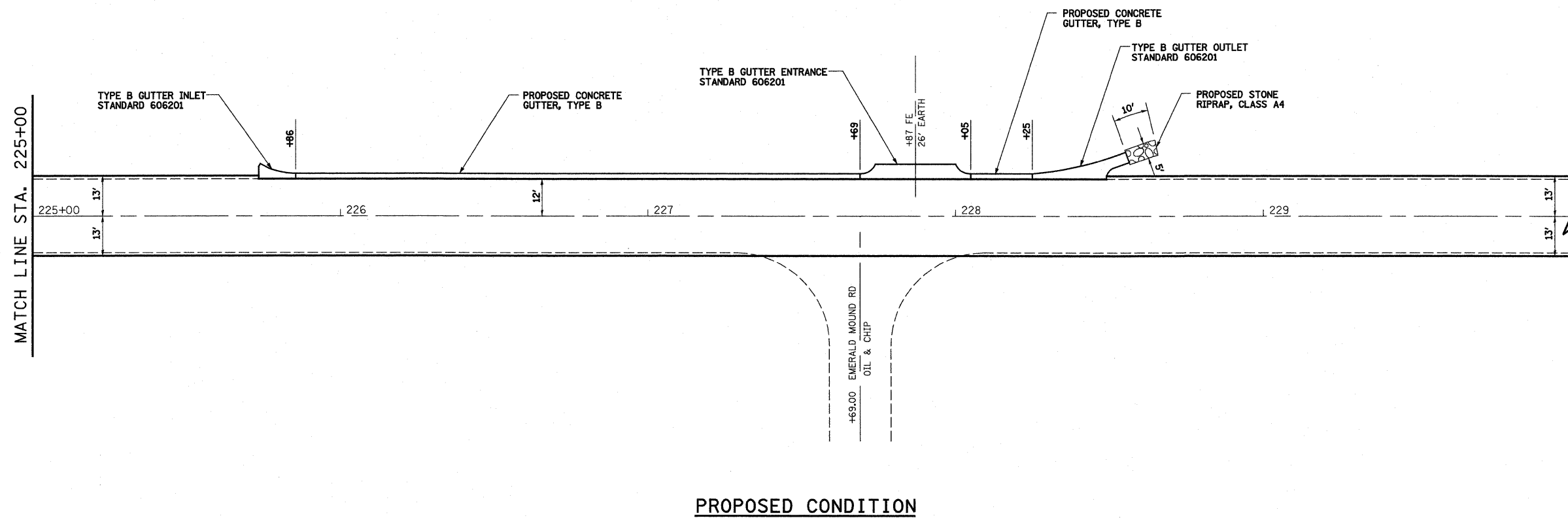
FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA\Projects\409-0028-91Y IL 4 Lebanon 3P\dgn\CA00 3	beta\087629-shr-detaile gutter.dgn	DRAWN - WJS	REVISED -				314	(110, 111)RS-4	MADISON & ST CLAIR	58	44
PLOT SCALE = 40.0000' / IN.	CHECKED - BRM	REVISIED -	REVISIED -		CONTRACT NO. 76E29						
PLOT DATE = 3/24/2011	DATE - 11-11-10	REVISIED -	REVISIED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET NO. 3 OF 9 SHEETS STA. TO STA.

GUTTER LOCATION #4



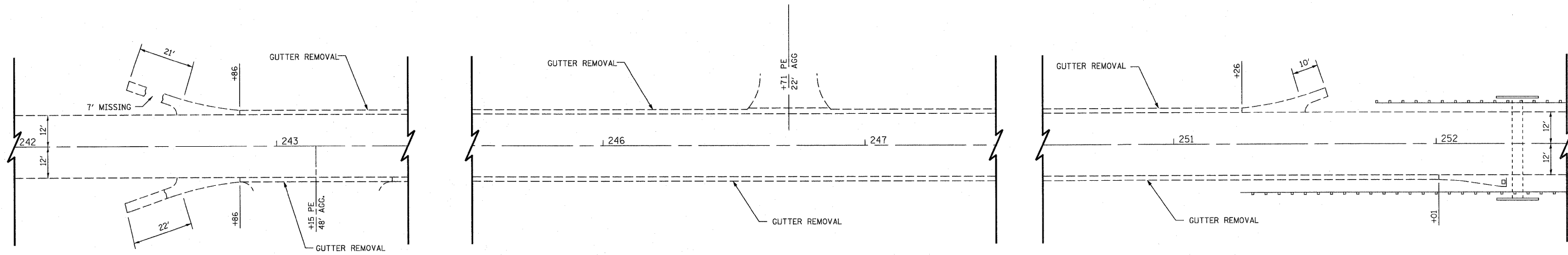
EXISTING CONDITION



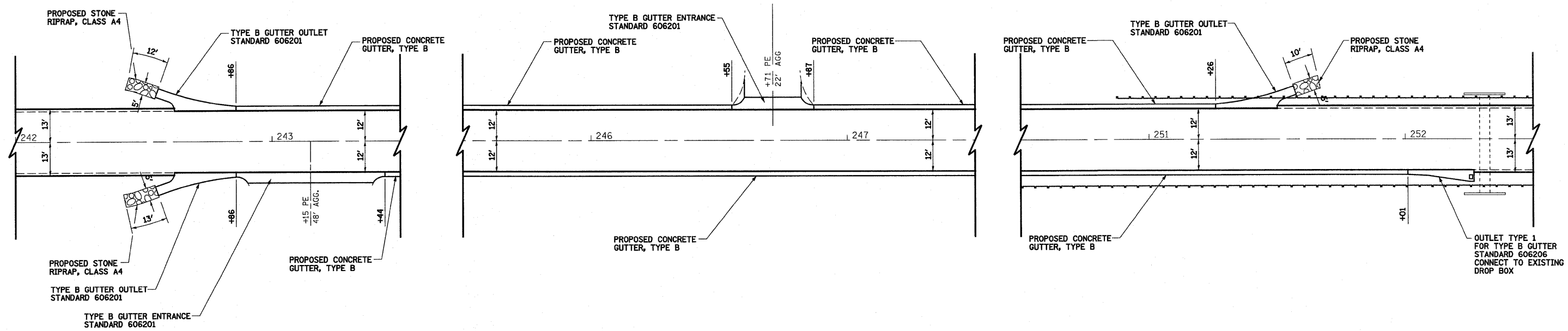
PROPOSED CONDITION

FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-817 E. 4 Lebanon 3P\dgn\CADD Sh	beta\081829-shr-details_gutter.dgn	DRAWN - WJS	REVISED -		314	(110, 111)RS-4	MADISON & ST. CLAIR	58	45			
PLOT SCALE = 40,0000' / IN.	CHECKED - BRM	REVIS	REVIS		CONTRACT NO. 76E29							
PLOT DATE = 3/24/2011	DATE - 11-11-10	REVIS	REVIS		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						
				SCALE: 1"=20'	SHEET NO. 4 OF 9 SHEETS	STA.	TO STA.					

GUTTER LOCATION #5



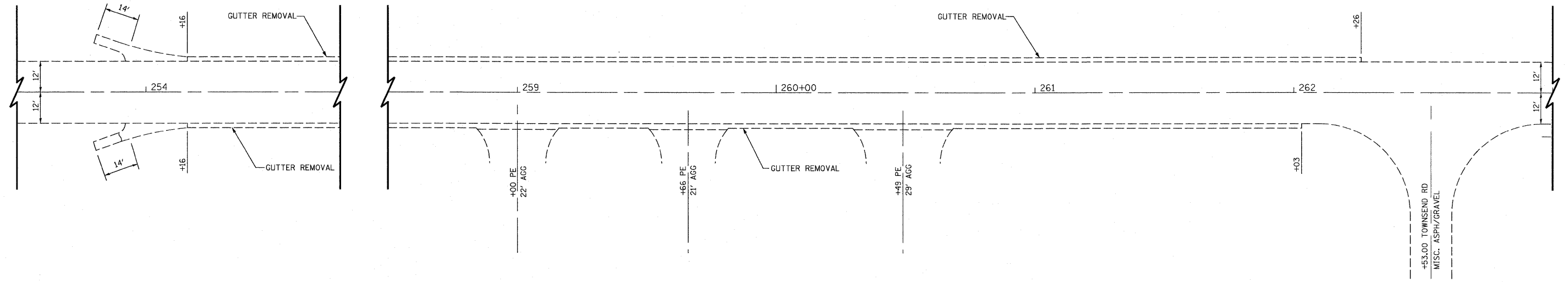
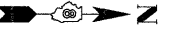
EXISTING CONDITION



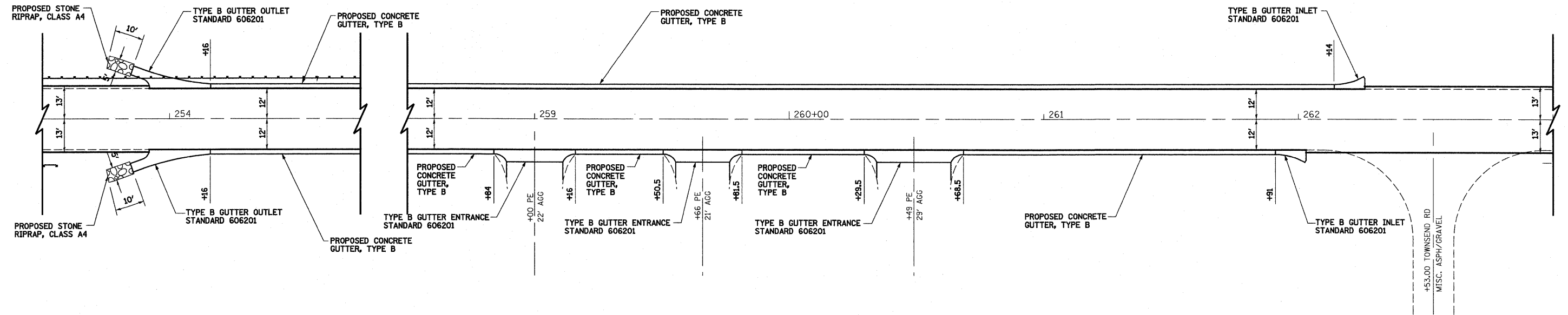
PROPOSED CONDITION

FILE NAME = S:\Projects\409-0028-91Y L 4 Lebanon 3P\dgn\CAD0 Sh	USER NAME = betsy	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS		F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST CLAIR	TOTAL SHEETS 58	SHEET NO. 46
	PLOT SCALE = 40,0000' / IN.	CHECKED - BRM	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/24/2011	DATE - 11-11-10	REVISED -	SCALE: 1"=20'		SHEET NO. 5 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 76E29				

GUTTER LOCATION #6



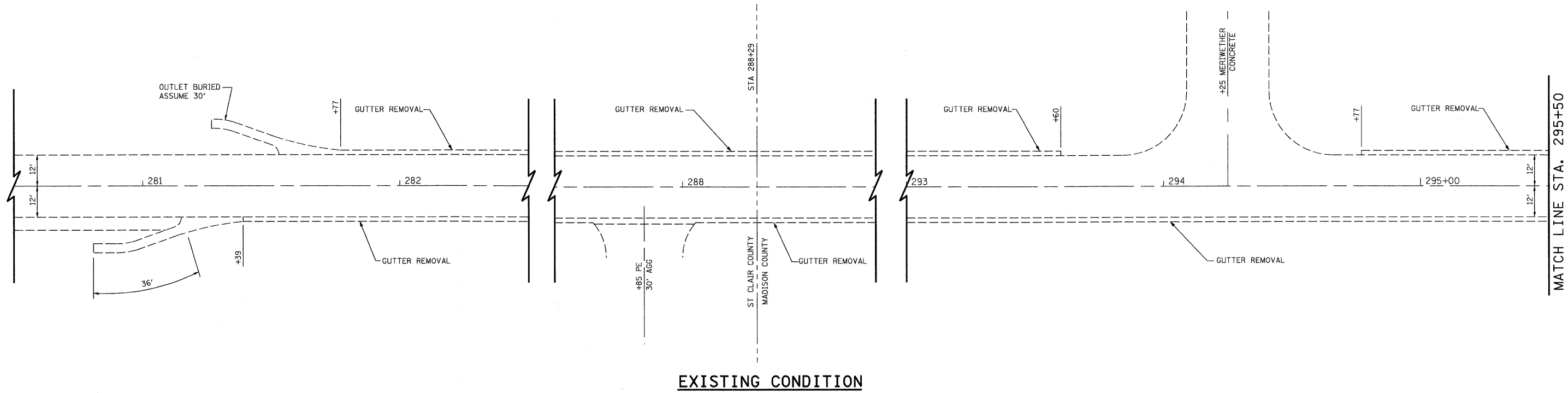
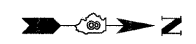
EXISTING CONDITION



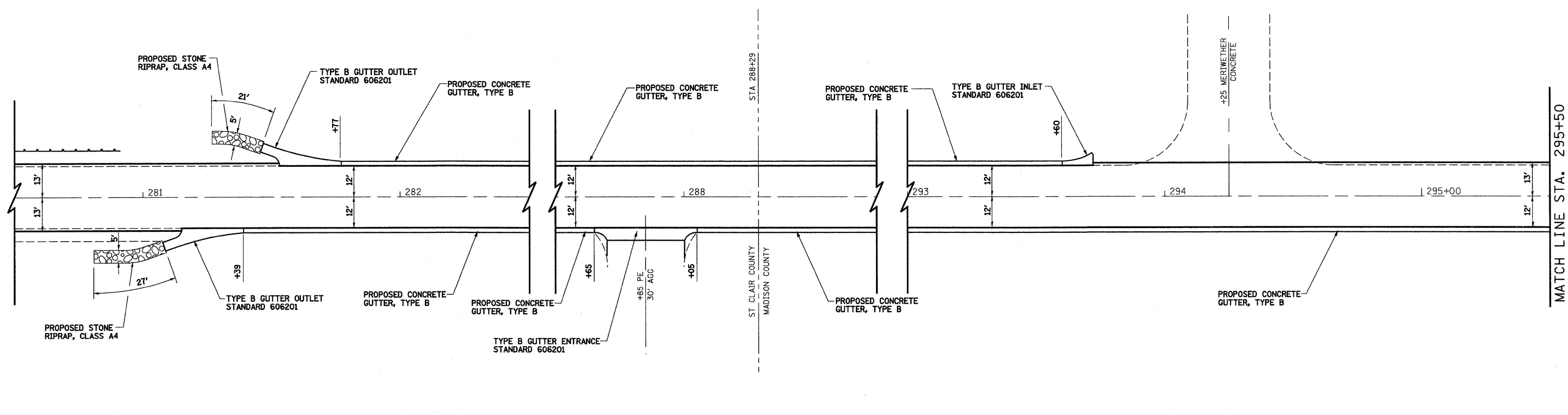
PROPOSED CONDITION

FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
<small>S:\Projects\405-0028-9H I. 4 Lebanon 3P\dgn\CADD Sh</small>	<small>eta\087629-shi-deta\gutter.dgn</small>	DRAWN - WJS	REVISED -		SCALE: 1"=20'	SHEET NO. 6 OF 9 SHEETS	STA.	TO STA.	314	(110, 111)RS-4	MADISON & ST. CLAIR	58	47
	PLOT SCALE = 48,0000' / IN.	CHECKED - BRM	REVISED -							CONTRACT NO. 76E29			
	PLOT DATE = 3/24/2011	DATE - 11-11-10	REVISED -		<small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>								

GUTTER LOCATION #7



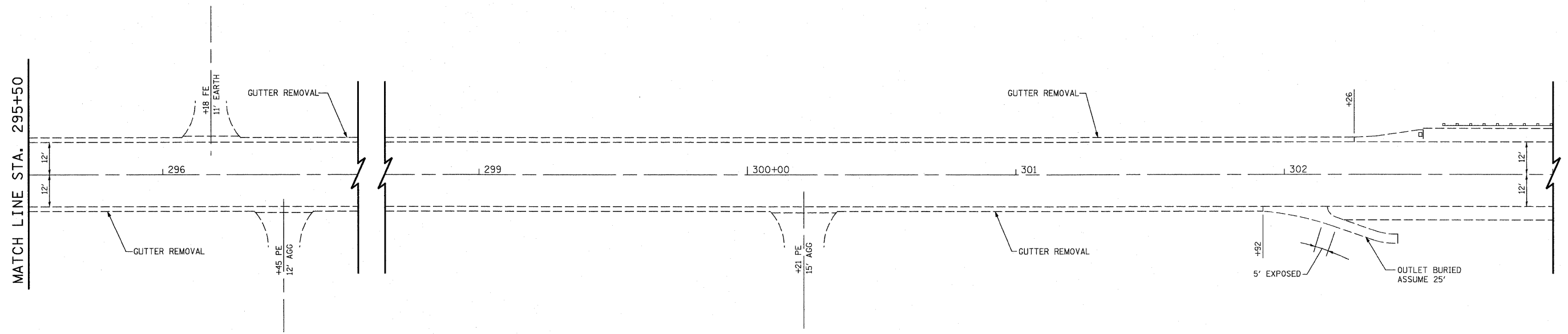
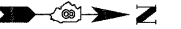
EXISTING CONDITION



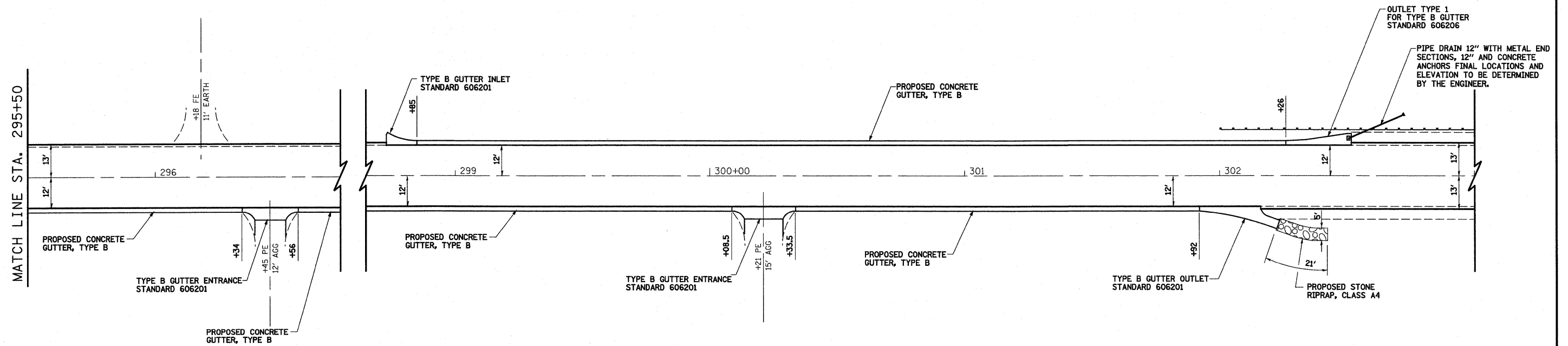
PROPOSED CONDITION

FILE NAME = S:\Projects\409-0028-9H\IL 4 Lebanon 3P\dgn\CADD Sh...	USER NAME = betsy	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	beta0876229-shr-detailed_gutter.dgn	DRAWN - WJS	REVISED -				314	(110, 111)RS-4	MADISON & ST. CLAIR	58	48
	PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -	SCALE: 1"=20'		SHEET NO. 7 OF 9 SHEETS		STA. TO STA.		CONTRACT NO. 76E29	
	PLOT DATE = 3/24/2011	DATE - 11-11-10	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

GUTTER LOCATION #7



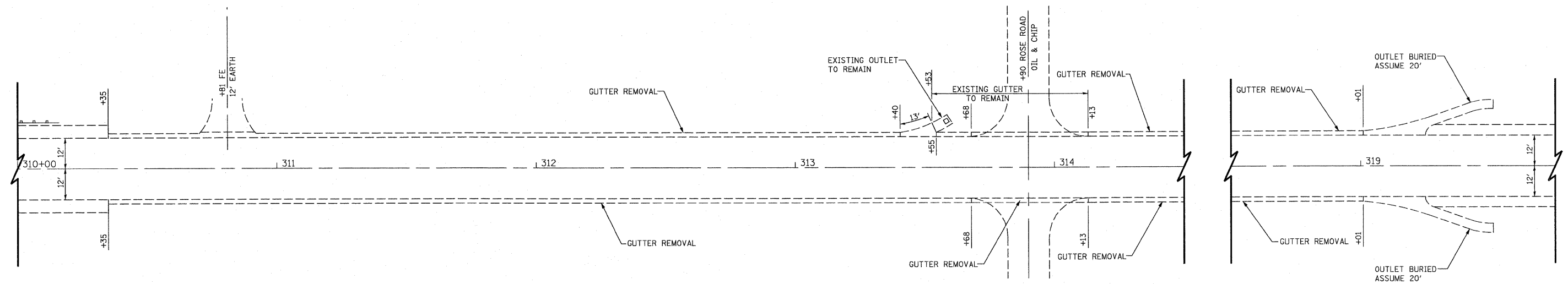
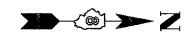
EXISTING CONDITION



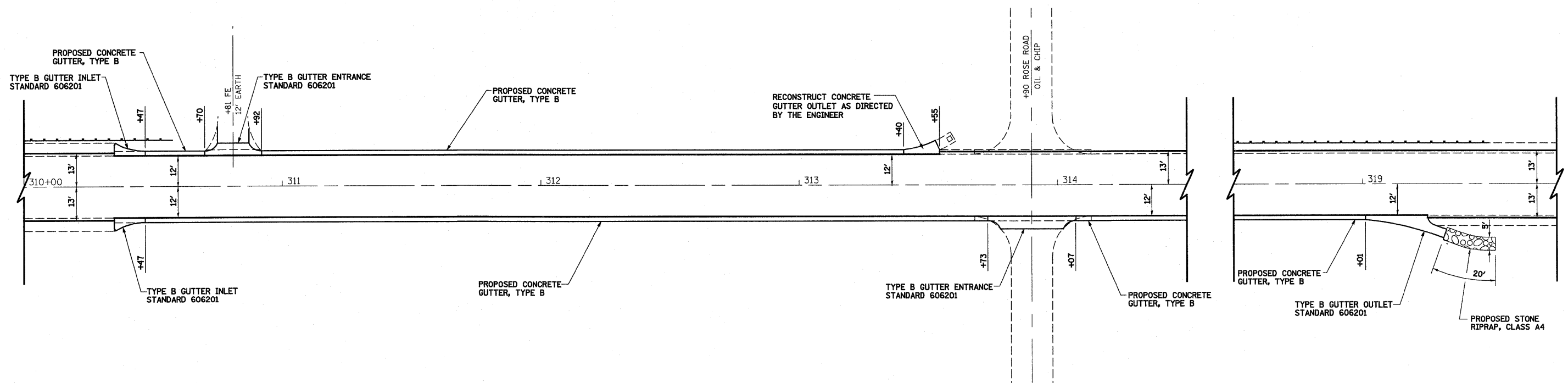
PROPOSED CONDITION

FILE NAME =	USER NAME = betsy	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 49
S:\Projects\409-0028-SHY IL 4 Lebanon 3P\dgn\CADD Sh	beta\087823-dit-detailed_gutter.dgn	DRAWN - WJS	REVISED -		SCALE: 1"=20'	SHEET NO. 8 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 76E29				
PLOT SCALE = 48.00000 ' / IN.		CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
PLOT DATE = 3/24/2011		DATE - 11-11-10	REVISED -									

GUTTER LOCATION #8



EXISTING CONDITION



PROPOSED CONDITION

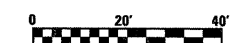
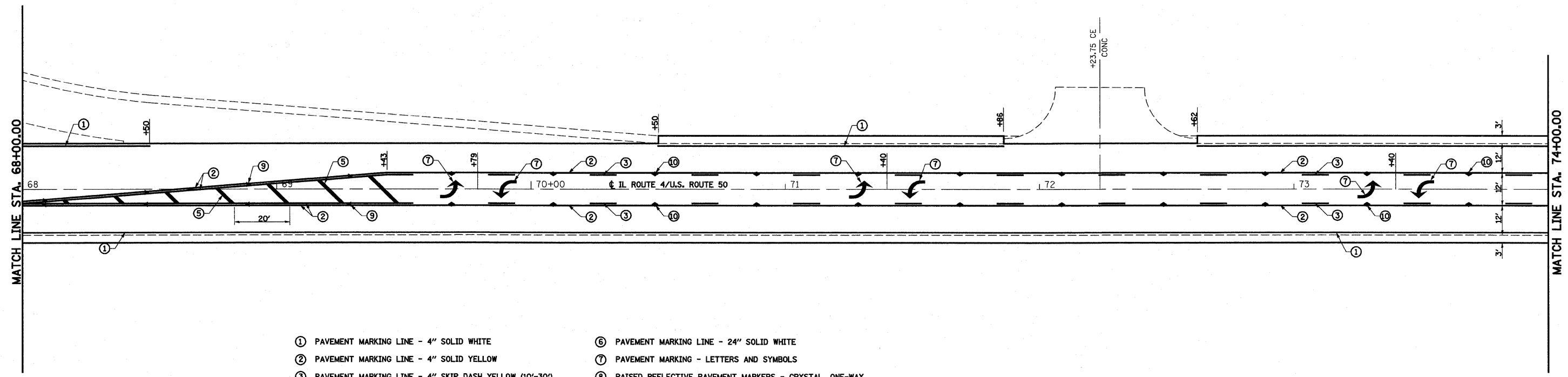
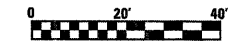
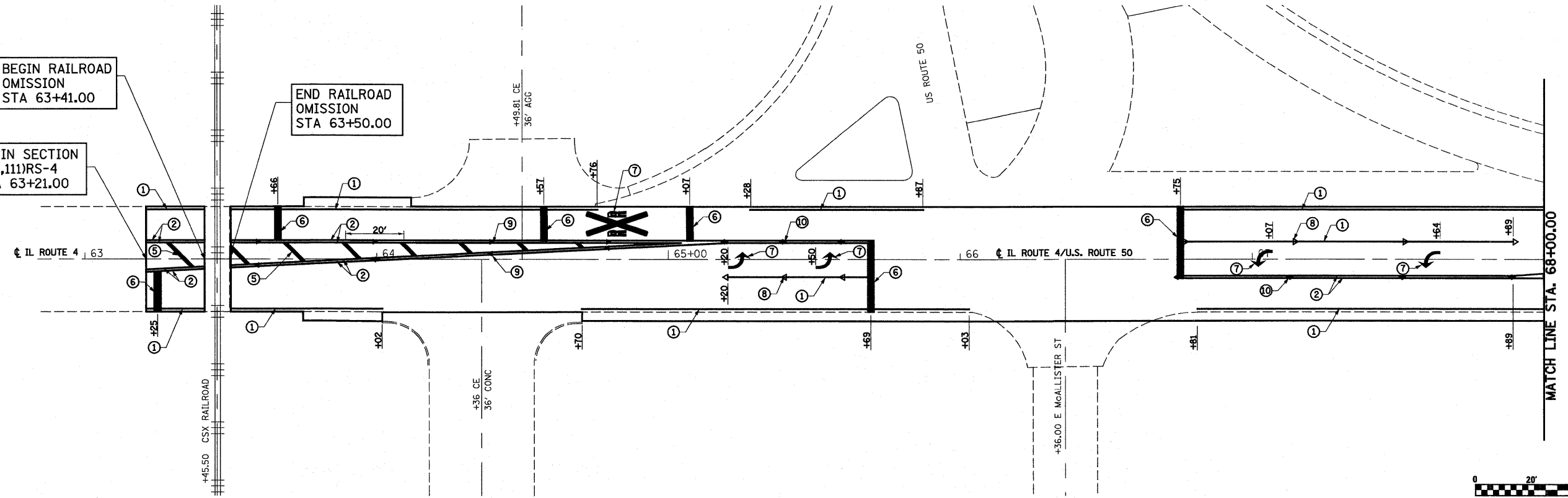
FILE NAME = S:\Projects\409-0028-SHT 8, 4 Lebanon 3P\cgn\CA00 Sh...	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUTTER DETAILS		F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST CLAIR	TOTAL SHEETS 58	SHEET NO. 50			
	PLOT SCALE = 40,00000 ' / IN.	DRAWN - WJS	REVISIONS -				SCALE: 1"=20'		SHEET NO. 9 OF 9 SHEETS		STA. TO STA.		CONTRACT NO. 76E29	
	PLOT DATE = 3/24/2011	CHECKED - BRM	DATE - 11-11-10				REVISIONS -	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				
		DATE - 11-11-10	REVISIONS -											



BEGIN RAILROAD
OMISSION
STA 63+41.00

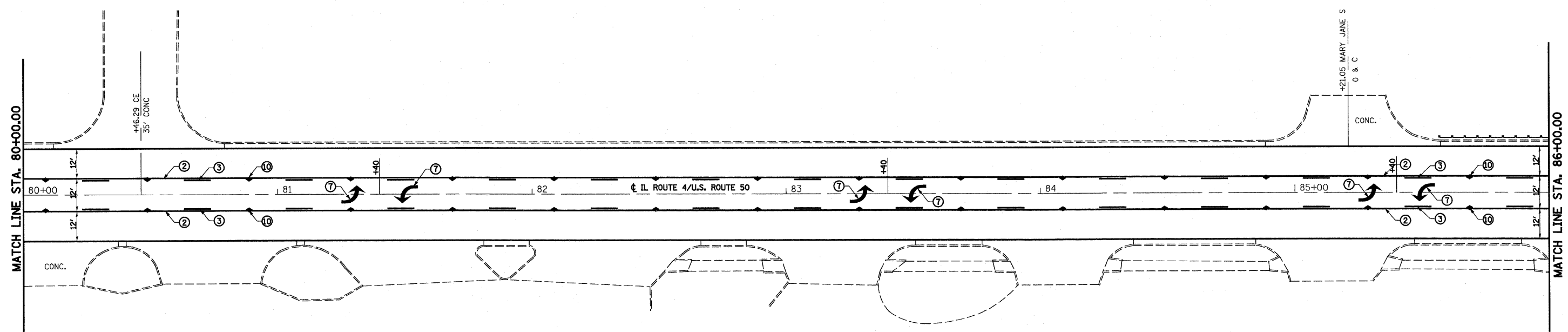
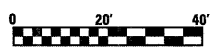
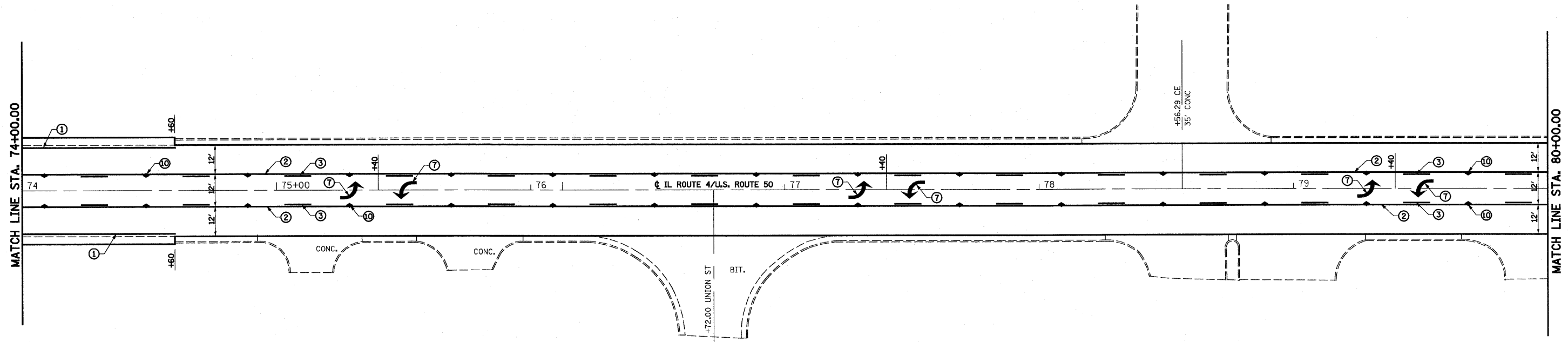
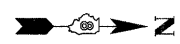
BEGIN SECTION
(110,111)RS-4
STA 63+21.00

END RAILROAD
OMISSION
STA 63+50.00



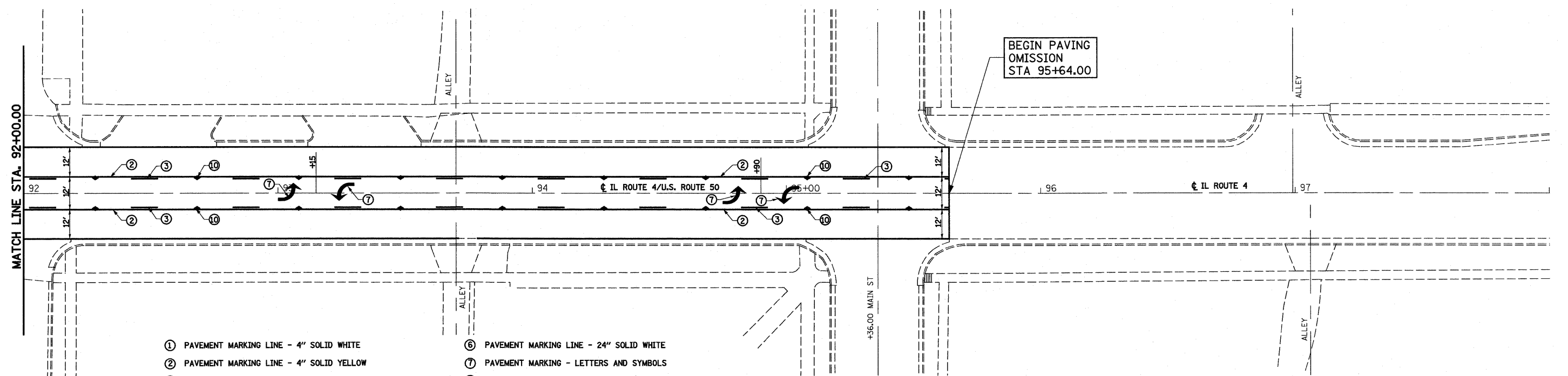
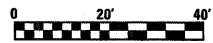
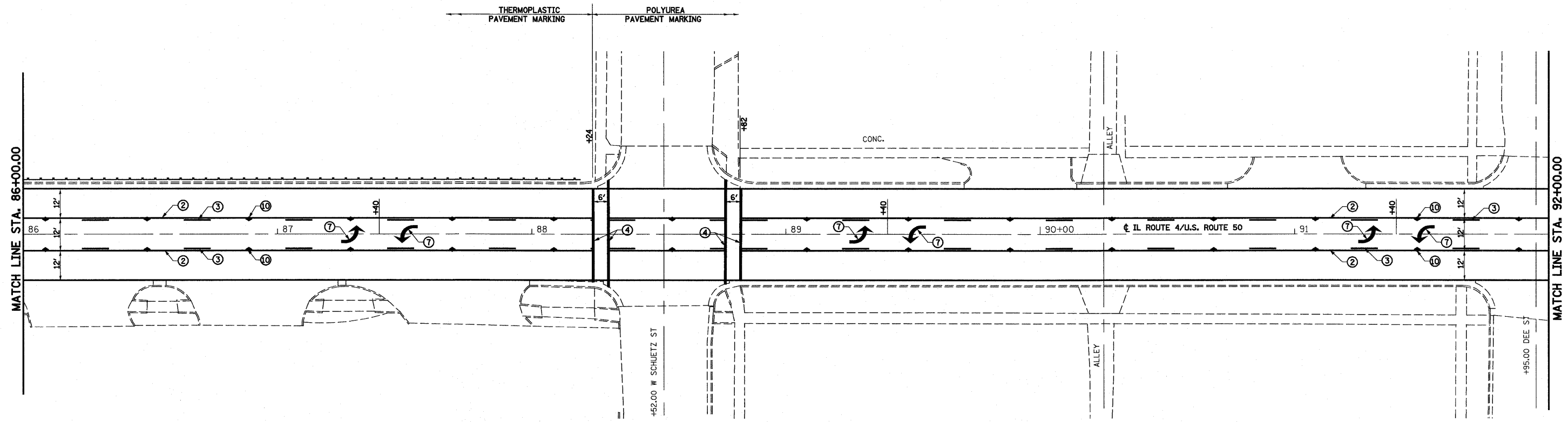
- ① PAVEMENT MARKING LINE - 4" SOLID WHITE
- ② PAVEMENT MARKING LINE - 4" SOLID YELLOW
- ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10'-30')
- ④ PAVEMENT MARKING LINE - 6" SOLID WHITE
- ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW
- ⑥ PAVEMENT MARKING LINE - 24" SOLID WHITE
- ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY
- ⑨ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY
- ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, US ROUTE 50 /IL ROUTE 4	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Projects\409-0028-911\4 Lebanon 3P\dgn\CA00 Sheet\110111RS-4.dgn		DRAWN - PDB	REVISED -			314	(110, 111)RS-4	MADISON & ST. CLAIR	58	51	
PLOT SCALE = 40,0000' / IN.		CHECKED - BRM	REVISED -			CONTRACT NO. 76E29					
PLOT DATE = 2/7/2011		DATE - 11-1-10	REVISED -								
					SCALE: 1"=20'	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



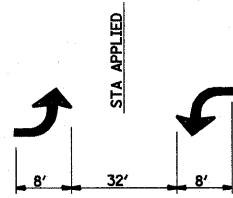
- | | |
|---|---|
| ① PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑥ PAVEMENT MARKING LINE - 24" SOLID WHITE |
| ② PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10'-30') | ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ④ PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑨ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW | ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, US ROUTE 50 /IL ROUTE 4			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-3HY L 4 Lebanon 3P\dgn\CADD Sheets\0876E29-ent-pmk.dgn	DRAWN - PDB	REVISED -	314					(110, 111)RS-4	MADISON & ST. CLAIR	58	52	
PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -	CONTRACT NO. 76E29									
PLOT DATE = 2/7/2011	DATE - 11-1-10	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: 1"=20'	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.					

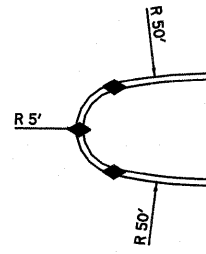


- | | |
|---|---|
| ① PAVEMENT MARKING LINE - 4" SOLID WHITE | ⑥ PAVEMENT MARKING LINE - 24" SOLID WHITE |
| ② PAVEMENT MARKING LINE - 4" SOLID YELLOW | ⑦ PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ③ PAVEMENT MARKING LINE - 4" SKIP DASH YELLOW (10'-30') | ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE-WAY |
| ④ PAVEMENT MARKING LINE - 6" SOLID WHITE | ⑨ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, ONE-WAY |
| ⑤ PAVEMENT MARKING LINE - 12" SOLID YELLOW | ⑩ RAISED REFLECTIVE PAVEMENT MARKERS - AMBER, TWO-WAY |

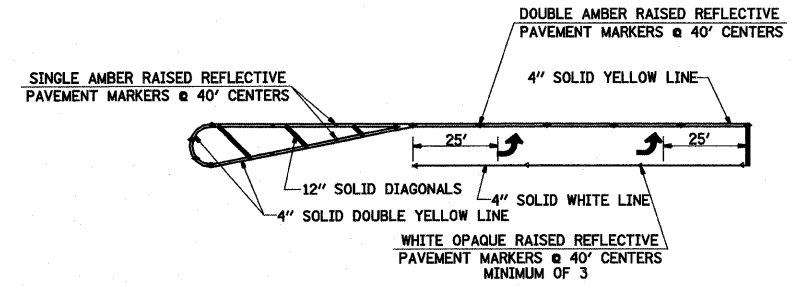
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING, US ROUTE 50 /IL ROUTE 4			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-SHY IL 4 Lebanon 3P\vdgn\CA00 Sheets\087629-ent-pmk.dgn	PLLOT SCALE = 1/2"=20' / IN.	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	53
PLLOT DATE = 2/7/2011	DATE - 11-1-10	CHECKED - BRM	REVISED -					CONTRACT NO. 76E29				
		DATE - 11-1-10	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: 1"=20'	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.				



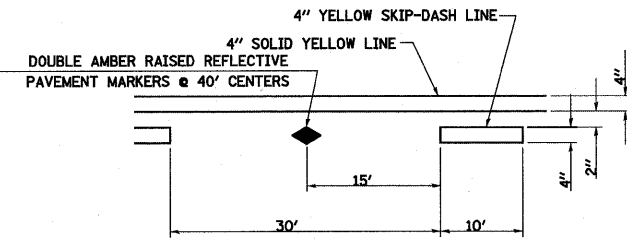
**BI-DIRECTIONAL
TURN ARROW
@ 200' O. C.**



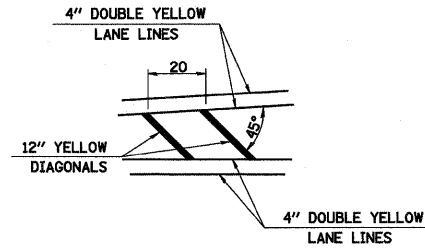
PAINTED MEDIAN DETAIL



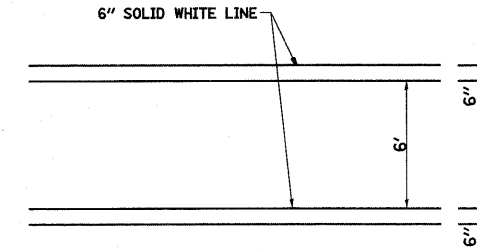
TYPICAL APPLICATION FOR LEFT TURN LANE



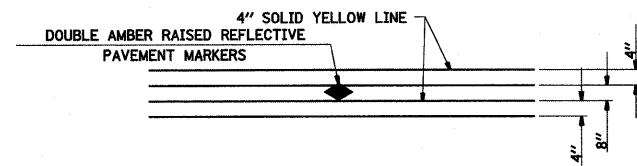
**TYPICAL APPLICATION FOR
BI-DIRECTIONAL TURN LANE
WITH RAISED REFLECTIVE PAVEMENT MARKERS**



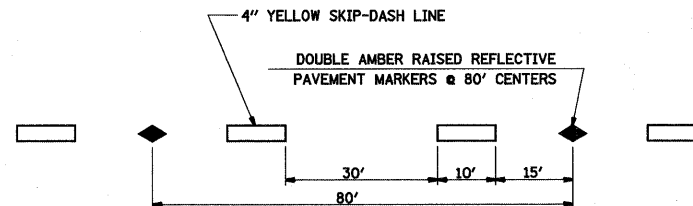
**TYPICAL APPLICATION
FOR MEDIAN STRIPING**



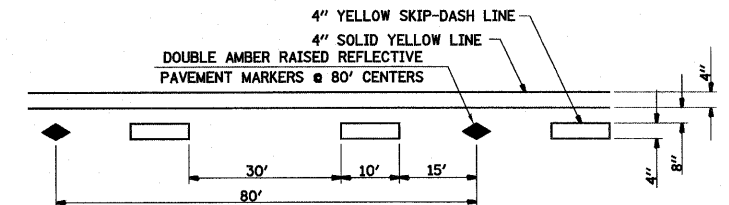
**TYPICAL APPLICATION FOR
PEDESTRIAN CROSSWALK**



**TYPICAL APPLICATION
FOR DOUBLE YELLOW LANE LINES
WITH RAISED REFLECTIVE PAVEMENT MARKERS**

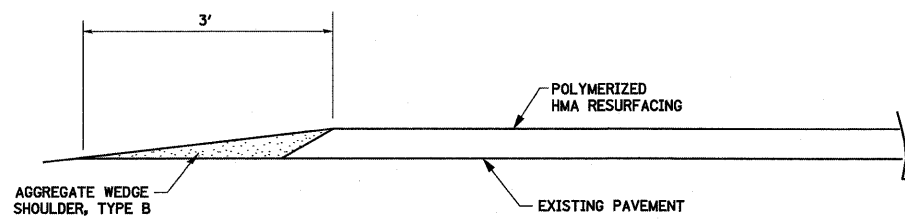


**TYPICAL APPLICATION
FOR YELLOW SKIP-DASH LINES
WITH RAISED REFLECTIVE PAVEMENT MARKERS**

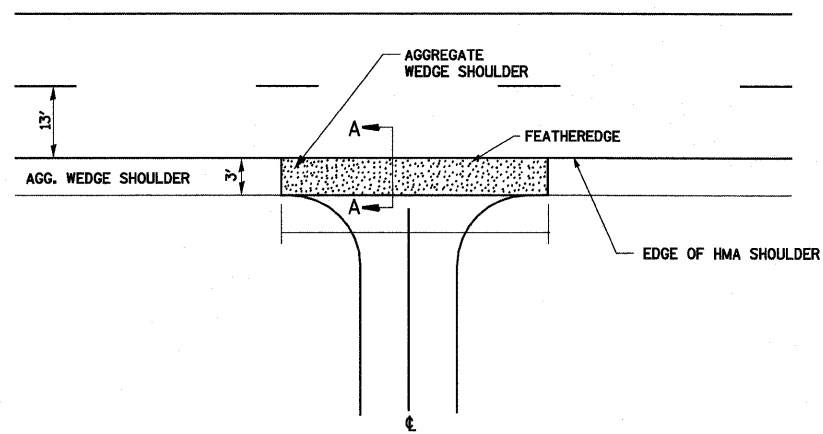


**TYPICAL APPLICATION
FOR NO PASSING LANE LINES
WITH RAISED REFLECTIVE PAVEMENT MARKERS**

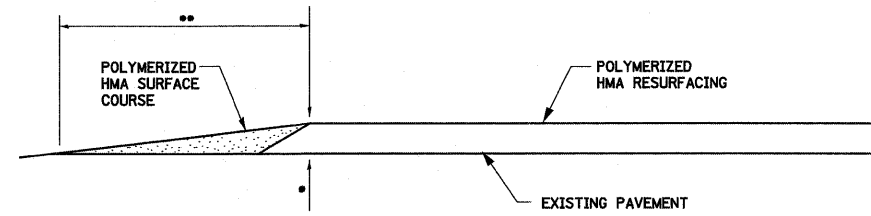
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 54	
Sn\Projects\409-0028-SNY L 4 Lebanon 3P\dgn\CADD Sh	with\0676E29-ent-pmk.dgn	DRAWN - PDB	REVISED -					SCALE: 1"=20'			SHEET NO. 4 OF 4 SHEETS		STA. TO STA.
	PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 2/7/2011	DATE - 11-1-10	REVISED -										



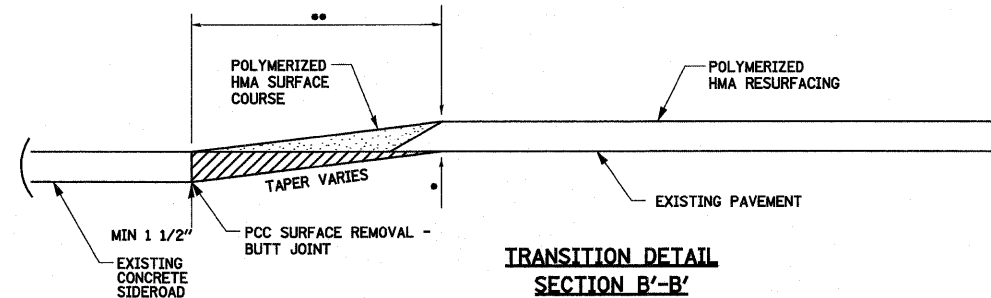
**FEATHEREDGE DETAIL
SECTION A-A**



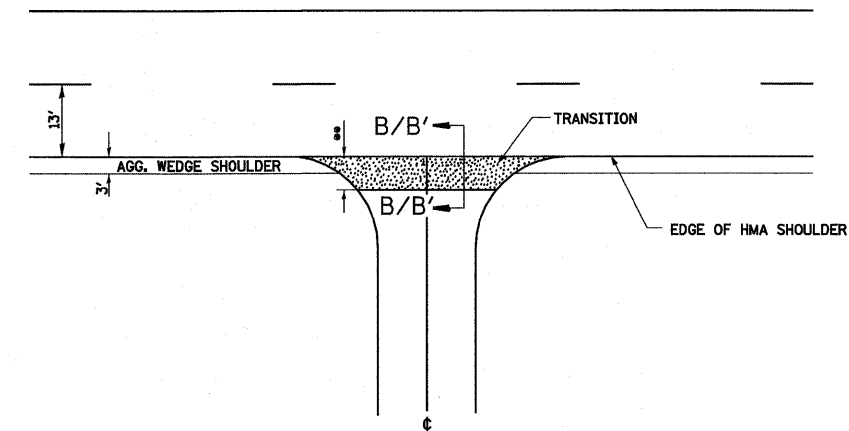
ENTRANCE DETAIL



**TRANSITION DETAIL
SECTION B-B
(FOR AGGREGATE OR
BITUMINOUS SIDEROADS)**



**TRANSITION DETAIL
SECTION B'-B'
BUTT-JOINT ADDITION
(FOR CONCRETE SIDEROADS)**



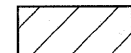

SIDEROAD DETAIL

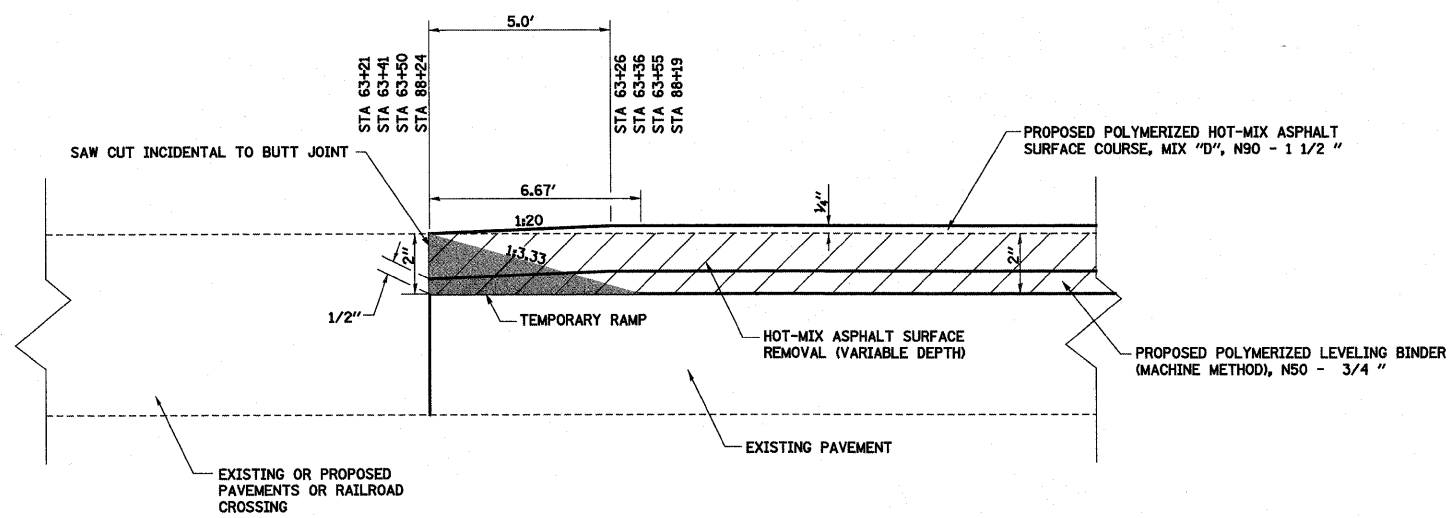
*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/4"	6.25'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

NOTE:
WHERE THE HMA TRANSITION IS MATCHING
INTO AN EXISTING CONCRETE OR HMA SIDE ROAD
SURFACE, A MILLED BUTT JOINT SHALL
BE CONSTRUCTED WITHIN THE LIMITS
OF THE TOTAL TRANSITION LENGTH
ON THE LOCAL ROUTE.

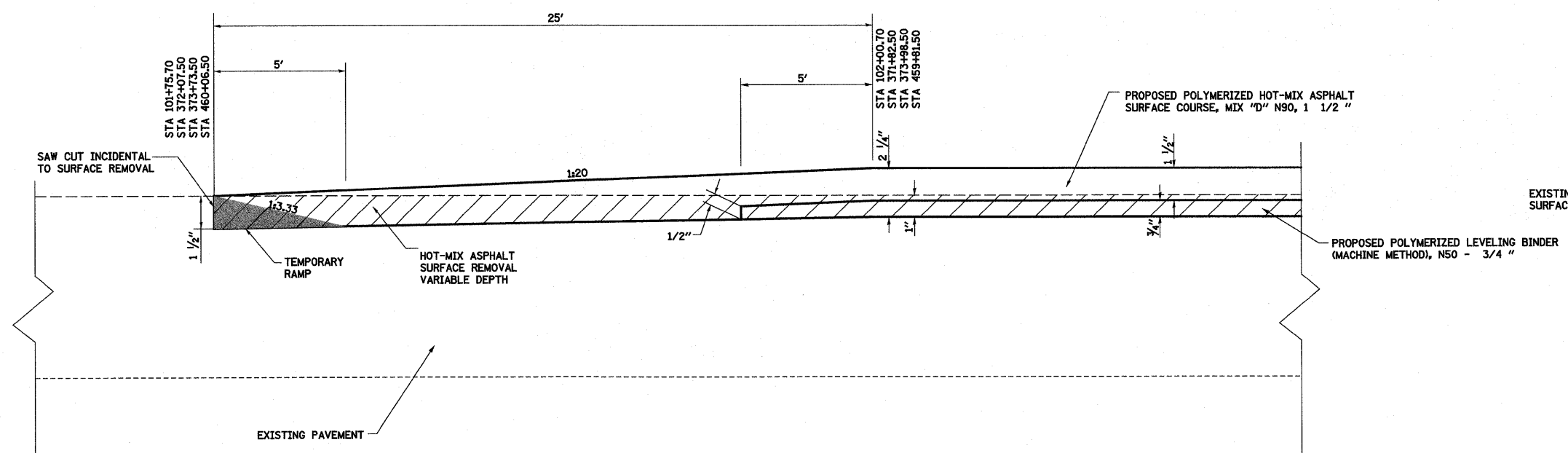
FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEROAD AND ENTRANCE DETAILS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Sn\Projects\A109-0028-SHY L 4 Lebanon 3P\dgn\CADD Sheets\087629-shr-detailed sideroad.dgn	PLOT SCALE = 40,0000' / IN.	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	55
	PLOT DATE = 2/7/2011	CHECKED - BRM	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76E29	
		DATE - 11-1-10	REVISED -									

LEGEND

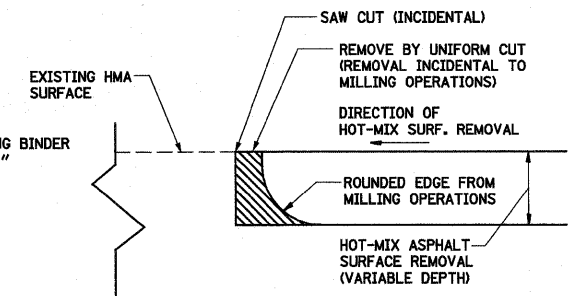
-  HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
-  TEMPORARY RAMP



DETAIL OF BUTT JOINT 1
NOT TO SCALE



DETAIL OF BUTT JOINT 2
NOT TO SCALE

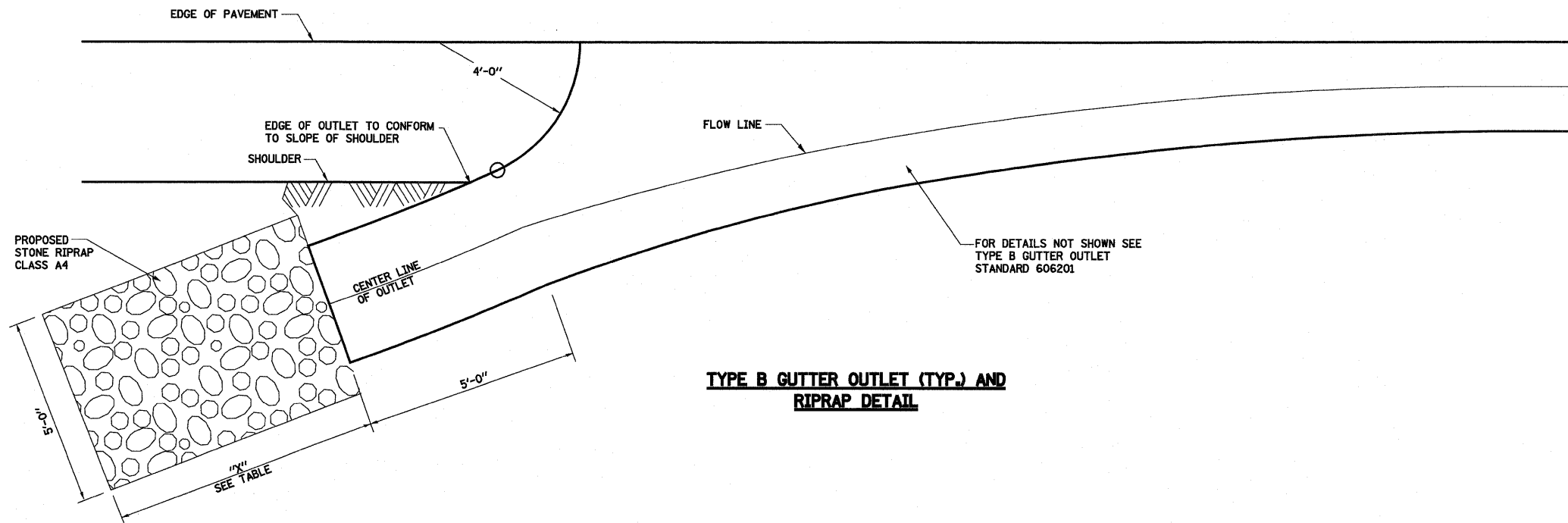


NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

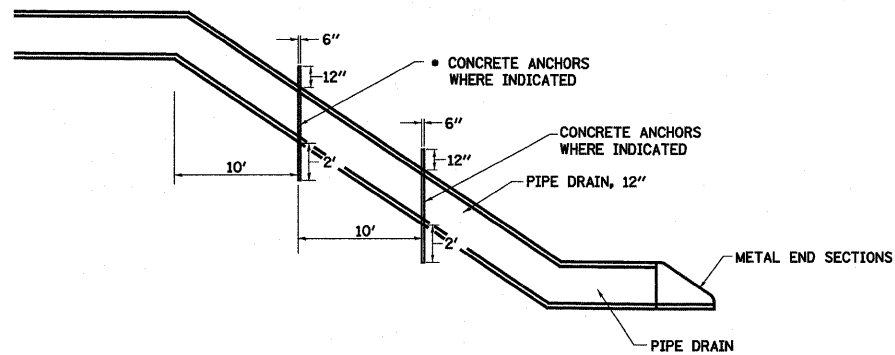
MILLING DETAIL AT BUTT JOINT
NOT TO SCALE

FILE NAME =	USER NAME = paul	DESIGNED - ESW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5:\Projects\409-0028-SHY L 4 Lebanon 3P\ dgn\CA00 3\series\087629-ah1-misc.dgn	PLOT SCALE = 40,00000 ' / IN.	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST. CLAIR	58	56
PLOT DATE = 2/7/2011	DATE - 11-1-10	CHECKED - BRM	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76E29	
		DATE - 11-1-10	REVISED -									

STATION	SIDE	LENGTH "X" (FT)
165+47	RT	10
214+94	LT	30
214+99	RT	31
228+94	LT	10
242+86	LT	12
242+86	RT	13
251+26	LT	10
254+16	LT	10
254+16	RT	10
281+39	RT	27
281+63	LT	21
301+92	RT	21
319+01	RT	20

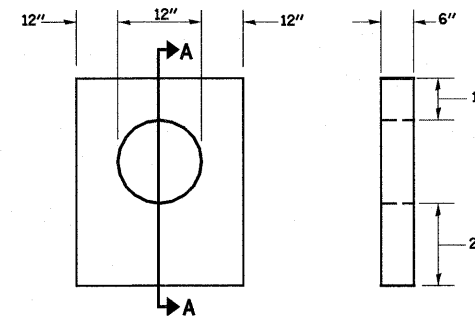


**TYPE B GUTTER OUTLET (TYP.) AND
RIPRAP DETAIL**



DRAIN DETAIL

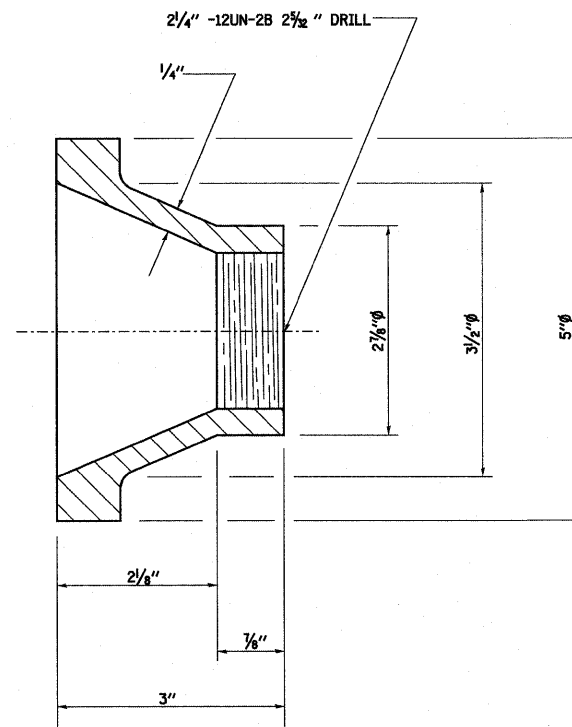
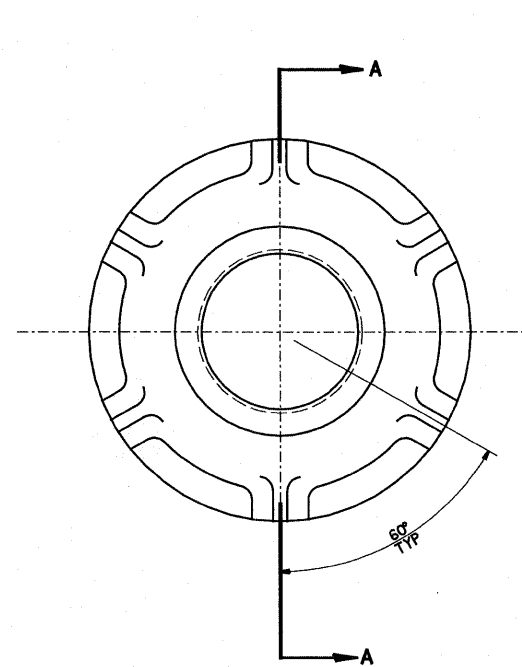
• CONCRETE ANCHORS TO BE INCLUDED FOR
PIPE WITH SLOPES GREATER THAN 30%



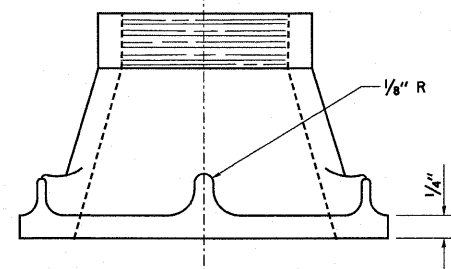
CONCRETE ANCHOR

SECTION A-A

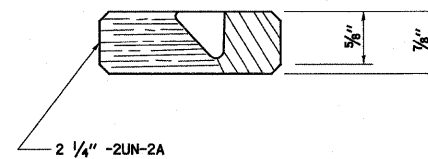
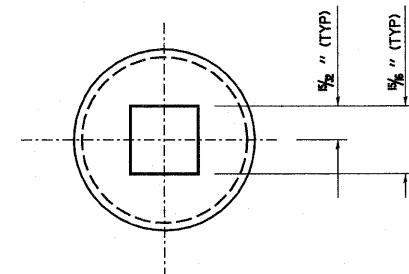
FILE NAME =	USER NAME = betsey	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS			F.A.P. RTE. 314	SECTION (110, 111)RS-4	COUNTY MADISON & ST. CLAIR	TOTAL SHEETS 58	SHEET NO. 57
SNProject\409-0028-917 E 4 Lebanon 3P\dgn\CADD Sh	ere\087629-sh1-misc.dgn	DRAWN - PDB	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 76E29			
	PLOT SCALE = 40,0000 ' / IN.	CHECKED - BRM	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/24/2011	DATE - 11-1-10	REVISED -									



SECTION A-A



CAST IRON SURVEY MONUMENT COVER



THREADED BRASS CAP

NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- ALL RADII ARE 3/8" UNLESS SPECIFIED.
- ALL CHAMFERS ARE 45°.
- ROUND ALL SHARP EDGES.
- USE THREADS AND DIMENSIONS AS SPECIFIED OR EQUIVALENT WITH THE APPROVAL OF THE ENGINEER.
- THE SURVEY MONUMENT COVER ASSEMBLY SHOWN IS AN EXAMPLE. OTHER MODELS, SIMILAR IN DESIGN, MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- THE THREADS OF THE CAP AND COVER WILL BE COATED WITH PIPE TAPE OR PIPE THREAD COMPOUND PRIOR TO INSTALLATION.

FILE NAME =	USER NAME = betaj	DESIGNED - ESW	REVISED - 3-22-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\409-0028-SHY IL 4 Lebanon 3P\dgn\CADD Sh	beta\087629-shy-mls.dgn	DRAWN - PDB	REVISED -					314	(110, 111)RS-4	MADISON & ST CLAIR	58	58
PLOT SCALE = 1/8" = 1' IN.	CHECKED - BRM	REVIS	REVIS		CONTRACT NO. 76E29							
PLOT DATE = 3/24/2011	DATE - 11-1-10	REVIS	REVIS		SCALE: 1"=20'	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		