

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

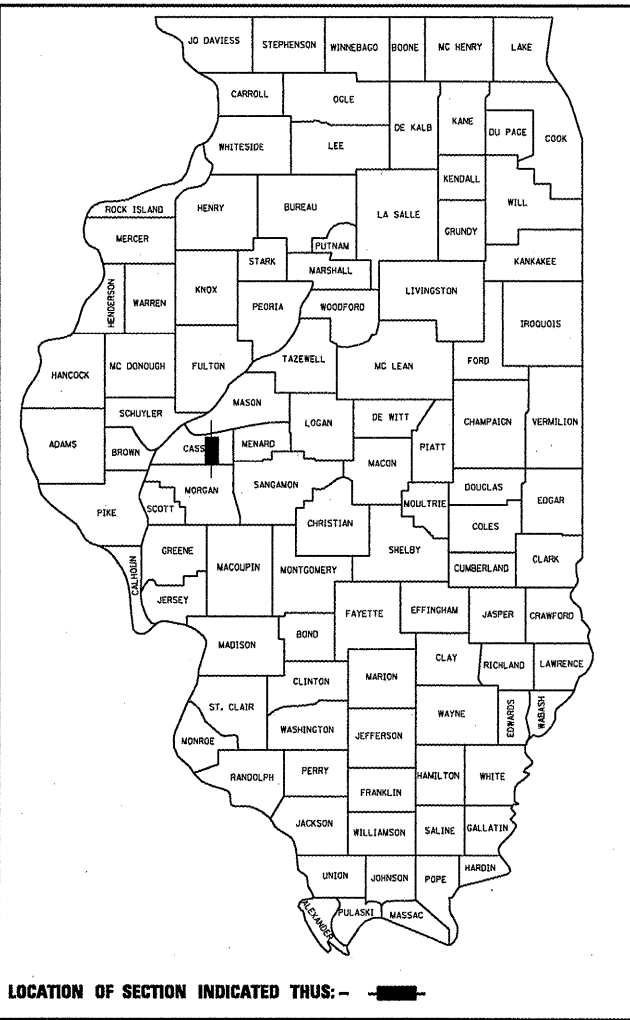
FAP 614 ROUTE (IL 78)
SECTION 8CS(RS-3) ; 146(RS-3)

RESURFACING
CASS COUNTY

C-96-102-07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	12(RS-7) & 13(RS-6)	CASS	14	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 72B25		

D-96-102-07



LOCATION OF SECTION INDICATED THUS: -

INDEX OF SHEETS

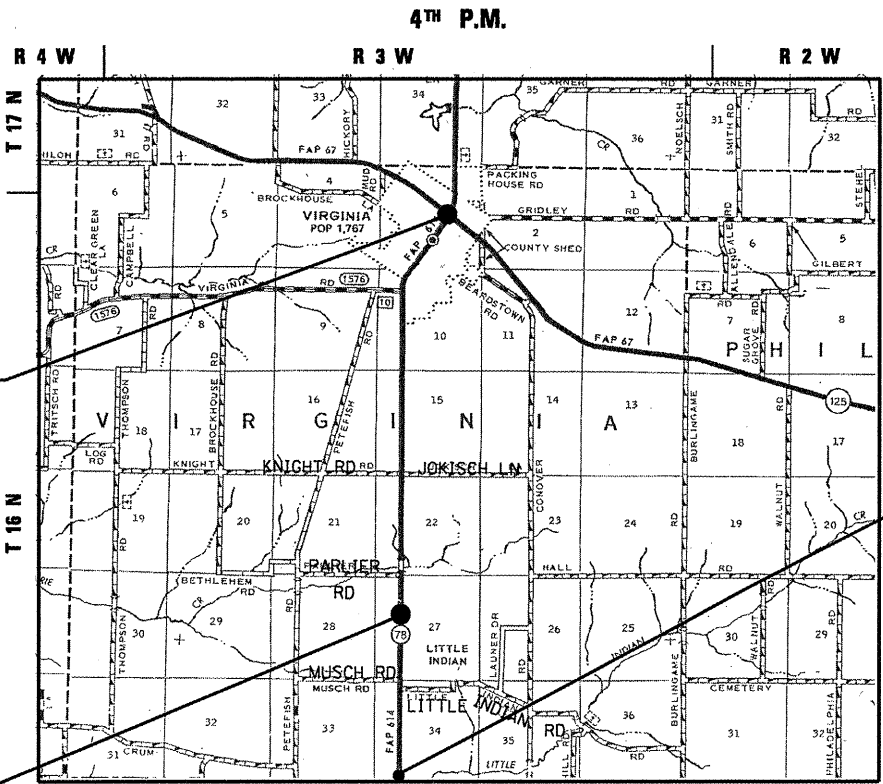
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-9	SCHEDULE OF QUANTITIES
10-11	TYPICAL SECTIONS
12	ALIGNMENT SHEET
13-14	ENTRANCE DETAILS

IDOT HIGHWAY STANDARDS

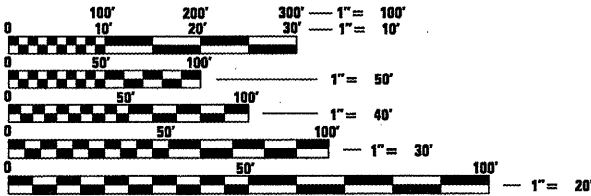
000001-05	701006-03	701326-03
482011-03	701011-02	701501-05
604026-02	701201-03	701901-01
604036-02	701301-03	780001-02
701001-02	701306-02	781001-03

END IMPROVEMENTS
STA. 295 + 87

STA. EQUATION
STA. 85 + 62.38 BK =
STA. 85 + 30.18 AH



BEGIN IMPROVEMENTS
STA. 3 + 11



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

APPROXIMATE SCALE: 0 1 2 MILES
TOTAL LENGTH = 29,308.2 FEET = 5.55 MILES
NET LENGTH OF PROJECT = 29,308.2 FEET = 5.55 MILES
HIGHWAY CLASSIFICATION = MINOR COLLECTOR
ADT = 2039 (2007)
PV = 1834 (90.0%)
SU = 123 (6.0%)
MU = 82 (4.0%)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED February 11, 2010
R. J. P. D. K. I.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 19, 2010
Scott E. Stitt, P.E.
ASSISTANT ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 2010
Christine M. Reed, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 72B25

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990
SQUAD LEADER: MARK DUST (217) 785-0597

GENERAL NOTES

- 1
- ALL ELEVATIONS SHOWN IN THE PLANS ARE U. S. G. S. MEAN SEA LEVEL DATUM.
- 2
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE BACK OF THE PLANS.
- 3
- THE THICKNESS OF HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NORMAL THICKNESS. DEVIATIONS FROM THE NORMAL 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.
- 4
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
- 5
- EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, AND NOT OTHER WISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- 6
- THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINE IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED.
- 7
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE 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 FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 8
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARDS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED THE DEPARTMENT SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- 10
- NO PASSING ZONES SHALL BE FIELD VERIFIED BY OPERATIONS, DIST. 6, (217)785-5312 14 DAYS PRIOR TO FINAL PAVEMENT MARKINGS.

- 11
- THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.
- AGGREGATE ITEMS

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N**

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N**

HOT-MIX ASPHALT SHOULDER

INCIDENTAL BITUMINOUS SURFACE

AGGREGATE (PRIME COAT)

BITUMINOUS MATERIAL (PRIME COAT) (ON BITUMINOUS)

BITUMINOUS MATERIAL (PRIME COAT) (ON AGGREGATE)

NITROGEN

PHOSPHOROUS

POTASSIUM

MULCH

AGRICULTURAL GROUND LIMESTONE

TEMPORARY EROSION CONTROL SEEDING

RIPRAP

AGGREGATE SHOULDERS TYPE B
- 2.05 TON / CU YD

112 lbs/sq. yd. Inch

112 lbs/sq. yd. Inch

112 lbs/sq. yd. Inch

112 lbs/sq. yd. Inch

0.002 TON / SQ YD

0.00038 TON / SQ YD

0.001425 TON / SQ YD

90 LBS / ACRE

90 LBS / ACRE

90 LBS / ACRE

2 TON / ACRE

2.0 TON / ACRE

100 LB / ACRE

1.50 TON / CU YD

1.89 TON / CU YD

- 12
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE(S):	HMA SURFACE	HMA INCIDENTAL SURFACE	LEVELING BINDER	HMA SHOULDERS 6"
PG	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	2.0% @ N DESIGN = 30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	9.5 OR 12.5	IL 9.5	BAM (OTHER)
FRICTION AGGREGATE	MIX "C"	MIX "C"	N/A	N/A

COMMITMENTS

1.
- THE RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGE, TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.
2.
- LETTER OF UNDERSTANDING, CITY OF VIRGINIA.

DISTRICT SIX

EXAMINED January 20 20 10
Sam J. Harris
OPERATIONS ENGINEER

EXAMINED Feb 1 20 10
Sam J. Harris
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED January 21 20 10
DRML
PROGRAM DEVELOPMENT ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION							
SUMMARY OF QUANTITIES							
LOCATION OF WORK				CONSTRUCTION TYPE CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 1000 (100% STATE)			
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	482	482			
35800100	PREPARATION OF BASE	SQ YD	743	743			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	19	19			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	36	36			
40600300	AGGREGATE (PRIME COAT)	TON	118	118			
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	3,389	3,389			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,493	1,493			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	44	44			
40600990	TEMPORARY RAMP	SQ YD	303	303			
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	6,759	6,759			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	303	303			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	44	44			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	14,514	14,514			

ILLINOIS DEPARTMENT OF TRANSPORTATION							
SUMMARY OF QUANTITIES							
LOCATION OF WORK				CONSTRUCTION TYPE CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000 (100% STATE)			
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	65,114	65,114			
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	800	800			
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	250	250			
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	150	150			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,998	3,998			
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	6,433	6,433			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2			
60402210	GRATES, TYPE 8	EACH	2	2			
60404500	FRAMES AND GRATES, TYPE 6	EACH	1	1			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK				CONSTRUCTION TYPE CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000 (100% STATE)			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8,020	8,020			
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	72,061	72,061			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,675	2,675			
*78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	71,937	71,937			
*78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	124	124			
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	368	368			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	368	368			

*Specialty Items

FILE NAME = c:\pwwork\PW100T\LAUGHLINRL\dms30897\	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEET SHEETS NO.	
	672825-shr-S003.dgn	DRAWN - AAD	REVISED -						614	8CS(RS-3); 146(RS-3)		CASS	14	5
	PLOT SCALE = 100.0000 FT / IN.	CHECKED - JAC	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 72B25					
	PLOT DATE = Feb-16-2010 09:53:09AM	DATE - 6/11/2007	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

ILLINOIS ROUTE 78 AND SIDE ROAD IMPROVEMENT SCHEDULE FOR RURAL / URBAN "PPP" PROJECT (VIRGINIA, ILLINOIS)																					
LOCATION		EX MATERIAL TYPE SIDE ROAD	EX MATERIAL TYPE APRON	LENGTH	WIDTH	RADIUS RETURN	SIDE ROAD AREA	RADIUS RETURN AREA	TOTAL AREA	HOT-MIX ASPHALT SURF. REM.- BUTT JOINT	TEMPORARY RAMP	AGG. SHOULDERS, TYPE B	EXCAVATING AND GRADING EXISTING SHOULDER	HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2¼"	HOT-MIX ASPHALT SHOULDERS, 6"	BIT. (P.C.)	AGG. (P.C.)	LEVELING BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	INCIDENTAL HOT-MIX ASPHALT SURFACING
STA.	STA.	(AGG. /O&C/ BIT. /P. C. C.)	(AGG. / BIT. /P. C. C.)	FOOT	FOOT	FOOT	SQ. FT.	SQ. FT.	SQ. FT.	SQ. YD.	SQ. YD.	TON	UNIT	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON
3+28	47+57			4, 446	24				106, 704	80	13	676	89	11, 856		988	4. 6	16. 9	498	996	
47+57	52+71			514	24				12, 336			79	11	1, 371		115	0. 6	1. 96	58	116	
52+71	85+62. 38			3, 291. 38	24				78, 993			500	66	8, 778		732	3. 4	12. 51	369	738	
STATION EQUATION																			221	442	
85+30. 18	104+99			1, 968. 82	24				47, 252			299	40	5, 251		438	2	7. 5	135	270	
104+99	111+55			656	44				28, 864				14	3, 208			1. 3	4. 6	66	131	
111+55	117+38			583	24				13, 992			89	12	1, 555		130	0. 6	2. 3	453	906	
117+38	157+81			4, 043	24				97, 032			614	81	10, 782		899	4. 1	15. 4	919	1838	
157+81	239+84			8, 203	24				196, 872			1, 246	165	21, 875		1, 823	8. 4	31. 2	19	37	
239+84	241+48			164	24				3, 936			25	4	438		37	0. 2	0. 7	48	96	
241+48	245+72			424	24				10, 176	80		65			1, 131	95	0. 5	1. 7	21	42	
245+72	247+58			186	24				4, 464			29			496	42	0. 2	0. 8	65	130	
247+58	253+09			551	24				13, 224			84			1, 470	179	0. 6	2. 1	95	189	
253+09	259+80			671	24				16, 104			102			1, 790	598	0. 7	2. 6	12	24	
259+80	260+60			80	24				1, 920			13			214	21	0. 1	0. 4	40	80	
260+60	264+05			345	24				8, 280			53			920	106	0. 4	1. 4	18	35	
264+05	265+60			155	24				3, 720						414		0. 2	0. 6	19	38	
265+60	267+26			166	24				3, 984			26			443	37	0. 2	0. 7	18	36	
267+26	268+83			157	24				3, 768			24			419	35	0. 2	0. 6	15	29	
268+83	270+10			127	24				3, 048			20			339	29	0. 2	0. 5	4	8	
270+10	270+45			35	24				840			6			94	8	0. 1	0. 2	22	43	
270+45	272+34			189	24				4, 536			29			504	42	0. 2	0. 8	15	29	
272+34	273+59			125	24				3, 000			19			334	28	0. 2	0. 5	8	15	
273+59	274+22			63	24				1, 512						168		0. 1	0. 3	19	37	
274+22	275+83			161	24				3, 864						430		0. 2	0. 7	2	4	
275+83	276+00			17	24				408						46		0. 1	0. 1	17	33	
276+00	277+44			144	24				3, 456						384		0. 2	0. 6	18	36	
277+44	279+04			160	24				3, 840						427		0. 2	0. 7	23	45	
279+04	281+04			200	24				4, 800						534		0. 3	0. 8	16	32	
281+04	282+46			142	24				3, 408						379		0. 2	0. 6	2	4	
282+46	282+63			17	24				408						46		0. 1	0. 1	41	81	
282+63	286+23			360	24				8, 640						960		0. 4	1. 4	3	5	
286+23	286+42			19	24				456						51		0. 1	0. 1	16	31	
286+42	287+80			138	24				3, 312						368		0. 2	0. 6	24	47	
287+80	289+88			208	24				4, 992						555		0. 3	0. 8	18	35	
289+88	291+42			154	24				3, 696						411		0. 2	0. 6	19	37	
291+42	293+04			162	24				3, 888						432		0. 2	0. 7	18	35	
293+04	294+58			154	24				3, 696						411		0. 2	0. 6	15	29	
294+58	295+87			129	24				3, 096	80	13				344		0. 2	0. 5			

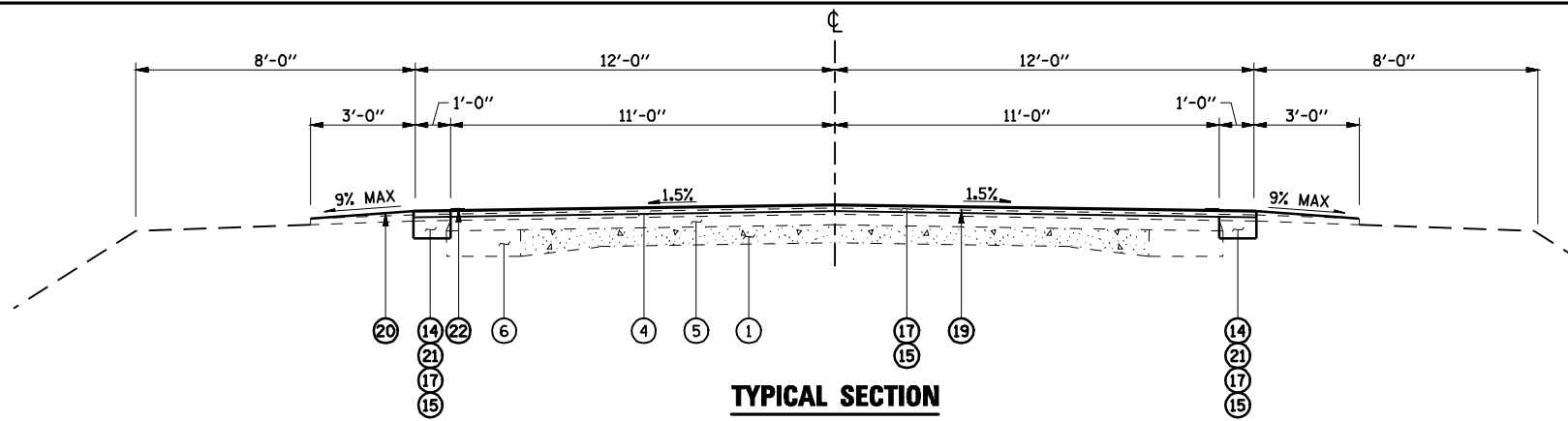
ILLINOIS ROUTE 78 AND SIDE ROAD IMPROVEMENT SCHEDULE FOR RURAL / URBAN "PPP" PROJECT (VIRGINIA, ILLINOIS)																					
LOCATION		EX MATERIAL TYPE SIDE ROAD	EX MATERIAL TYPE APRON	LENGTH	WIDTH	RADIUS RETURN	SIDE ROAD AREA	RADIUS RETURN AREA	TOTAL AREA	HOT-MIX ASPHALT SURF. REM.- BUTT JOINT	TEMPORARY RAMP	AGG. SHOULDERS, TYPE B	EXCAVATING AND GRADING EXISTING SHOULDER	HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2¼"	HOT-MIX ASPHALT SHOULDERS, 6"	BIT. (P.C.)	AGG. (P.C.)	LEVELING BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT SURFACE COURSE, N50 MIX "C", N50	INCIDENTAL HOT-MIX ASPHALT SURFACING
STA.	STA.	(AGG. / O&C / BIT. / P. C. C.)	(AGG. / BIT. / P. C. C.)	FOOT	FOOT	FOOT	SQ. FT.	SQ. FT.	SQ. FT.	SQ. YD.	SQ. YD.	TON	UNIT	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON
LITTLE INDIAN RD / RURAL	RT, STA 47+57	O&C	BIT	10	30	25	300	269	569	64	17						0.1	0.1			6
MUSCH RD / RURAL	LT, STA 52+71	O&C	BIT	10	28	25	280	269	549	61	16						0.1	0.1			6
PARLIER RD / RURAL	LT, STA 117+38	O&C	BIT	10	28	25	280	269	549	61	16						0.1	0.1			6
KNIGHT RD / RURAL	LT, STA 157+81	O&C	BIT	10	39	25	390	269	659	74	22						0.1	0.2			7
JOKISCH LN / RURAL	RT, STA 157+81	AGG	BIT	10	24	20	240	172	412	46	13						0.1	0.1			4
ALLEY / URBAN	RT, STA 239+84	O&C	BIT	10	12	3	120	4	124	14	7						0.1	0.1			2
SOUTH ST / URBAN	RT, STA 241+48	O&C	BIT	10	24	20	240	172	412	46	13						0.1	0.1			4
ALLEY / URBAN	RT, STA 245+72	O&C	BIT	10	14	15	140	97	237	27	8						0.1	0.1			3
BROADWAY ST / URBAN	RT, STA 247+58	O&C	BIT	10	41	28	410	337	747	83	23						0.1	0.2			7
VIRGINIA RD / URBAN	LT, STA 253+09	O&C	BIT	10	66	50	660	1074	1,734	193	37						0.1	0.3			17
FRANKLIN ST / URBAN	RT, STA 253+09	O&C	BIT	10	23	20	230	172	402	45	13						0.1	0.1			4
ILLINI ST / URBAN	LT, STA 264+05	O&C	BIT	10	27	15	270	97	367	41	15						0.1	0.1			4
ILLINI ST / URBAN	RT, STA 264+05	O&C	BIT	0	24	20	0	172	172	20	13						0.1	0.1			2
ALLEY / URBAN	LT, STA 265+60	O&C		10	10	15	100	97	197	22	6						0.1	0.1			2
UNION ST / URBAN	LT, STA 267+26	O&C	BIT	10	20	15	200	97	297	33	11						0.1	0.1			3
UNION ST / URBAN	RT, STA 267+26	O&C	BIT	10	22	15	220	97	317	36	12						0.1	0.1			4
ALLEY / URBAN	LT, STA 268+83	O&C		10	12	14	120	85	205	23	7						0.1	0.1			2
LIBERTY ST / URBAN	LT, STA 270+45	O&C	BIT	0	18	10	0	43	43	5	10						0.1	0.1			1
LIBERTY ST / URBAN	RT, STA 270+45	O&C	BIT	10	20	15	200	97	297	33	11						0.1	0.1			3
ALLEY / URBAN	RT, STA 272+34	O&C	BIT	10	13	15	130	97	227	26	7						0.1	0.1			3
TOTALS									725,033	1,193	303	3,998	482	65,114	14,514	6,433	34.2	117.6	3,389	6,759	90

ENTRANCE IMPROVEMENT SCHEDULE FOR RURAL / URBAN "PPP" PROJECT (VIRGINIA, ILLINOIS)																			
LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE DRIVE	EX MATERIAL TYPE APRON	LENGTH (FROM EDGE OF PVT/ BIT SHLD TO LIMITS OF IMPROVEMENT)	WIDTH	TAPER	RADIUS RETURN	DRIVEWAY AREA	TAPER/ RADIUS RETURN AREA	MAILBOX TURNOUT AREA	TOTAL AREA	PROPOSED HMA THICKNESS	PCC SURF. REM. - BUTT JOINT	HOT-MIX ASPHALT SURF. REM.- BUTT JOINT	PREP. OF BASE	AGG. SURFACE COURSE, TYPE B	BIT. (P.C.)	PCC DRIVEWAY PAVEMENT 6 INCH	INCIDENTAL HOT-MIX ASPHALT SURFACING
(LT / RT) (STA) (+)	(FE/PE/CE/MB) (RURAL/URBAN)	(EARTH/AGG. / O&C/BIT. /P. C. C.)	(EARTH/AGG. / BIT. /P. C. C.)	FOOT	FOOT	FOOT	FOOT	SQ. FT.	SQ. FT.	SQ. FT.	SQ. FT.	INCH	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	SQ. YD.	TON
LT, STA. 5+81	PE/MB/RURAL	AGG	BIT/AGG	10	10		10	100	43	252	395	3.5			44	1	0.1		9
RT, STA. 6+07	PE/RURAL	AGG	BIT/AGG	10	24		25 / 15	240	158	0	398	3.5			45	1	0.1		9
RT, STA. 16+86	PE/MB/RURAL	AGG	BIT/AGG	10	14		20	140	155	194	489	3.5			55	1	0.09		11
LT, STA. 62+34	PE/MB/RURAL	AGG	BIT/AGG	10	11		15	110	94	207	411	3.5			46	1	0.07		9
RT, STA. 99+42	PE/RURAL	AGG	BIT/AGG	10	10		15	100	94	0	194	3.5			22	1	0.04		5
LT, STA. 99+42	MB/RURAL		AGG	AS PER STANDARD				0	0	368	368	3.5			41		0.06		9
LT, STA. 99+82	PE/RURAL	AGG	BIT/AGG	10	12		15	120	94	0	214	3.5			24	1	0.04		5
RT, STA. 121+33	PE/RURAL	AGG	BIT/AGG	10	11		25	110	221	0	331	3.5			37	1	0.06		8
LT, STA. 121+33	MB/RURAL		AGG	AS PER STANDARD				0	0	368	368	3.5			41		0.06		9
LT, STA. 132+95	PE/MB/RURAL	AGG	BIT/AGG	10	18		15 / 25	180	158	187	525	3.5			59	1	0.09		12
RT, STA. 173+37	PE/MB/RURAL	AGG	BIT/AGG	10	20		25	200	221	187	608	3.5			68	1	0.10		14
RT, STA. 242+05	CE/URBAN	O&C	BIT	10	26		20	260	155	0	415	2		47			0.02		6
RT, STA. 243+35	CE/URBAN	AGG	BIT/AGG	10	26		20	260	155	0	415	8			47	1	0.07		21
RT, STA. 248+33	PE/URBAN (ABANDONED)	AGG	AGG	0	10		0	0	0	0	0								0
RT, STA. 249+00	PE/URBAN	AGG	AGG	10	9		15	90	94	0	184	3.5			21		0.04		5
RT, STA. 250+07	PE/URBAN (ABANDONED)	AGG	AGG	0	12		0	0	0	0	0								0
RT, STA. 252+67	PE/URBAN	BIT	BIT	10	8		15	80	94	0	174	2		20			0.01		3
RT, STA. 254+60	PE/URBAN	AGG	AGG	10	10		15	100	94	0	194	3.5			22	1	0.04		5
RT, STA. 256+05	PE/URBAN	AGG	AGG	10	12		15	120	94	0	214	3.5			24	1	0.04		5
RT, STA. 257+12	PE/URBAN	AGG	AGG	10	10		15	100	94	0	194	3.5			22	1	0.04		5
RT, STA. 257+60	CE/URBAN	BIT	BIT	10	20		14	200	85	0	285	2		32			0.02		4
RT, STA. 258+05	CE/URBAN	BIT	BIT	10	22		14	220	85	0	305	2		34			0.02		4
RT, STA. 258+80	CE/URBAN	O&C	BIT	10	20		20	200	155	0	355	2		40			0.02		5
RT, STA. 259+66	PE/URBAN	AGG	AGG	10	8		12	80	62	0	142	3.5			16	1	0.03		4
LT, STA. 260+05	CE/URBAN	AGG	AGG	10	11		15	110	94	0	204	8			23	1	0.04		11
LT, STA. 260+49	PE/URBAN	AGG	AGG	10	12		15	120	94	0	214	3.5			24	1	0.04		5
RT, STA. 260+80	PE/URBAN	BIT	BIT	11	12		11	132	0	0	132	2		15			0.01		2
LT, STA. 261+14	PE/URBAN	AGG	AGG	10	12	11		120	0	0	120	3.5			14	1	0.03		3
RT, STA. 261+78	PE/URBAN	O&C	BIT	11	15	11		165	121	0	286	2		32			0.02		4
LT, STA. 262+45	PE/URBAN	AGG	AGG	10	11		6	110	0	0	110	3.5			13	1	0.02		3
RT, STA. 262+56	PE/URBAN	PCC	PCC	10	15	11		150	0	0	150		17					17	0
LT, STA. 262+80	PE/URBAN	BIT	PCC	10	22			220	0	0	220		25					25	0
RT, STA. 268+91	PE/URBAN	PCC	BIT/PCC	15	18		15	270	94	0	364	1.5		41			0.02		4
LT, STA. 272+78	CE/URBAN	BIT	BIT	3	35		3	105	4	0	109	2		13			0.01		2
LT, STA. 273+51	CE/URBAN	BIT	BIT	3	33		3	99	4	0	103	2		12			0.01		2
TOTALS								4,611	2,816	1,763	9,190		42	286	708	18	1.4	42	203
5 % CONTINGENCY													2	14	35	1	0.1	2	10
USE													44	300	743	19	1.5	44	213

ADJUSTMENT ITEM SCHEDULE				
LOCATION		FRAMES AND GRATES TO BE ADJUSTED	GRATES, TYPE 8	FRAMES AND GRATES, TYPE 6
STA.	OFFSET	EACH	EACH	EACH
265+27		1	1	
267+39	13' LT	1	1	
298+81				1
TOTALS		2	2	1

ESTIMATED QUANTITIES	
PAY ITEM	QUANTITY
PAVEMENT PATCHING, TYPE II, 12 INCH	800
PAVEMENT PATCHING, TYPE III, 12 INCH	250
PAVEMENT PATCHING, TYPE IV, 12 INCH	150

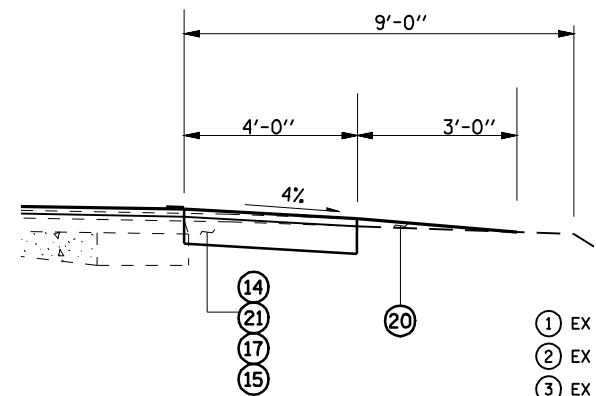
PAVEMENT MARKING SCHEDULE													
LOCATION			PAINT PAVEMENT MARKING - LINE 5"			PREFORMED PLASTIC PAVEMENT MARKING, TY B - INLAID - LINE 6"	TEMPORARY PAINT PAVEMENT MARKING - LINE 5"			RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SHORT-TERM PAVEMENT MARKING (2 APPLICATIONS)	WORK ZONE PAVEMENT MARKING REMOVAL
			SOLID WHITE	SOLID YELLOW	SKIP DASHED YELLOW		SOLID WHITE	SOLID YELLOW	SKIP DASHED YELLOW				
			FOOT	FOOT	FOOT		FOOT	FOOT	FOOT				
3+11	85+62.38	CL / LT	16,503	2,070	2,070		16,503	2,070	2,070	104	104	1,510	504
STATION EQUATION													
85+30.18	241+48	CL / LT	31,236	3,910	3,910		31,236	3,910	3,910	196	196	2,850	950
241+48	295+87	CL	10,878		1,360		10,878		1,360	68	68	990	330
CROSSWALK @ VILLAGE SQUARE						124	124						
TOTALS			58,617	5,980	7,340	124	58,741	5,980	7,340	368	368	5,350	1,784
			71,937				72,061						



TYPICAL SECTION

* STA 3+28 TO STA 104+99
STA 111+55 TO RT STA 259+75, LT STA 260+64
LT STA 263+74 TO LT STA 270+15
RT STA 265+56 TO RT STA 273+59
LT STA 272+39 TO LT STA 273+59

* SEE BITUMINOUS SHOULDER DETAIL

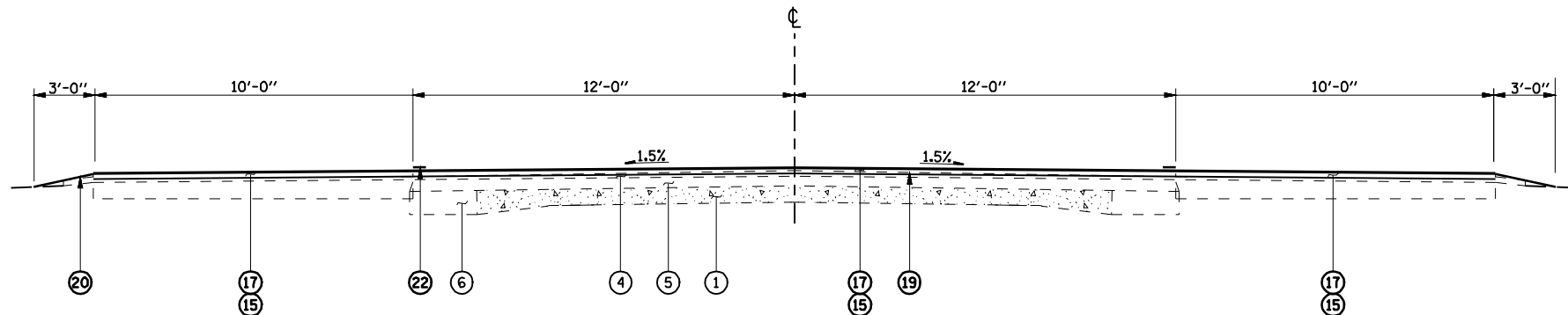


BITUMINOUS SHOULDER DETAIL

STA 252+25 TO LT STA 261+08, RT STA 261+70

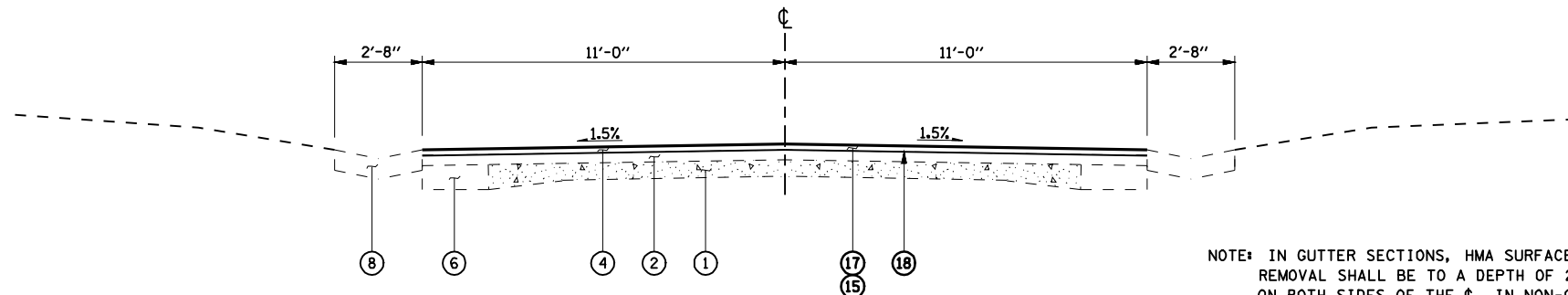
LEGEND

- ① EX P.C.C. PAVEMENT (9'-6"-9')
- ② EX BITUMINOUS CONCRETE SURFACE
- ③ EX 1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS I, TYPE 2
- ④ EX 1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2
- ⑤ EX BITUMINOUS BASE COURSE, 3/2"±
- ⑥ EX PCC BASE COURSE WIDENING
- ⑦ EX PCC CURB
- ⑧ EX PCC GUTTER
- ⑨ EX PCC CURB & GUTTER
- ⑩ EX PCC BASE
- ⑪ EX SAND CUSHION
- ⑫ EX BRICK PAVEMENT
- ⑬ EX GRANULAR EMBANKMENT
- ⑭ EXCAVATING AND GRADING EXISTING SHOULDER
- ⑮ LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- ⑯ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ⑰ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- ⑱ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑳ AGGREGATE SHOULDERS, TYPE B
- ㉑ HOT-MIX ASPHALT SHOULDERS, 6"
- ㉒ PAINT PAVEMENT MARKING - LINE 5"



TYPICAL SECTION

STA 104+99 TO STA 111+55

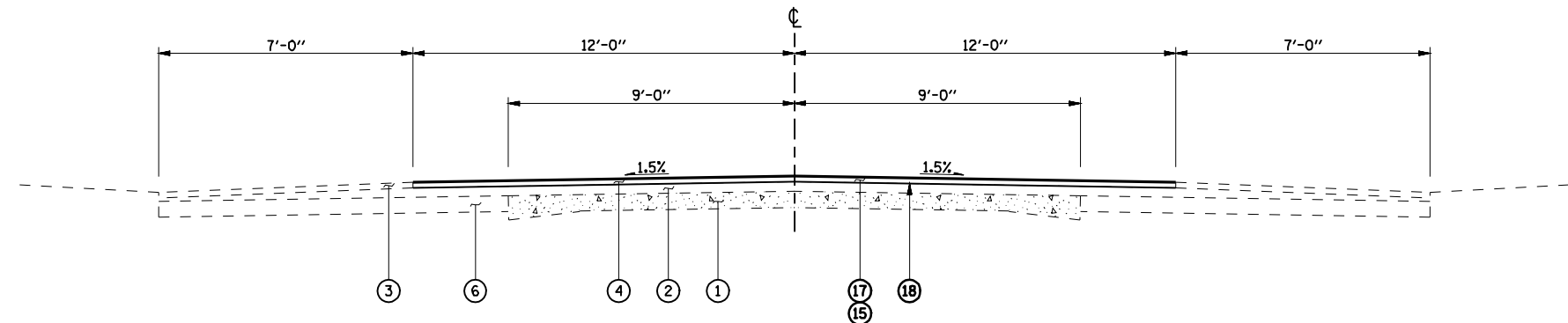


TYPICAL SECTION

* RT STA 259+75 TO RT STA 265+56
* LT STA 260+64 TO LT STA 263+74
LT STA 270+15 TO LT STA 272+39

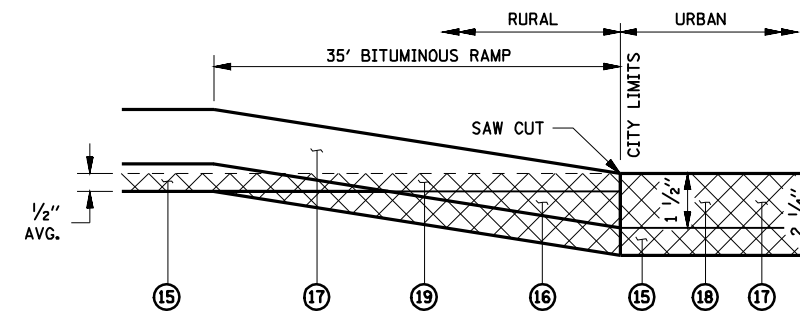
* SEE BITUMINOUS SHOULDER DETAIL

NOTE: IN GUTTER SECTIONS, HMA SURFACE REMOVAL SHALL BE TO A DEPTH OF 2 1/4" ON BOTH SIDES OF THE CL. IN NON-GUTTER SECTIONS, HMA SURFACE REMOVAL SHALL BE VARIABLE DEPTH (3/4" AVG.).

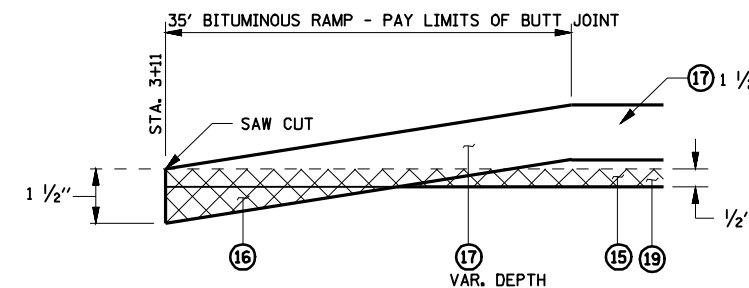


TYPICAL SECTION

STA 273+59 TO STA 276+00



HMA VAR. DEPTH RAMP DETAIL

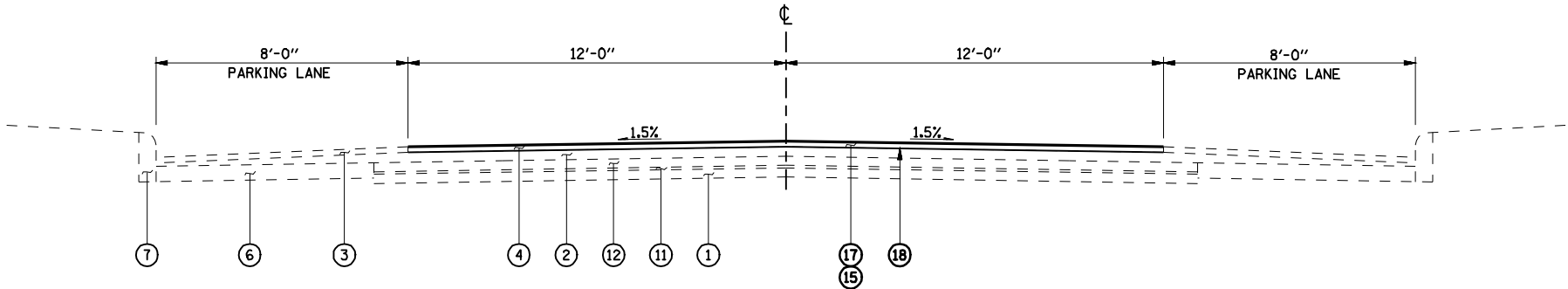


RURAL BUTT - JOINT DETAIL

FILE NAME = c:\pwork\pw\IDOT\LAUGHLINRL\dms30897\672825-sh-typical.dgn	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 78 TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	672825-sh-typical.dgn	DRAWN -	REVISED -						614	8CS(RS-3); 146(RS-3)	CASS	14	10
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	PLOT DATE = Feb-16-2010 09:55:33AM	DATE = 6/11/2007	REVISED -						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
SCALE:		SHEET NO.		OF SHEETS		STA.		TO STA.					

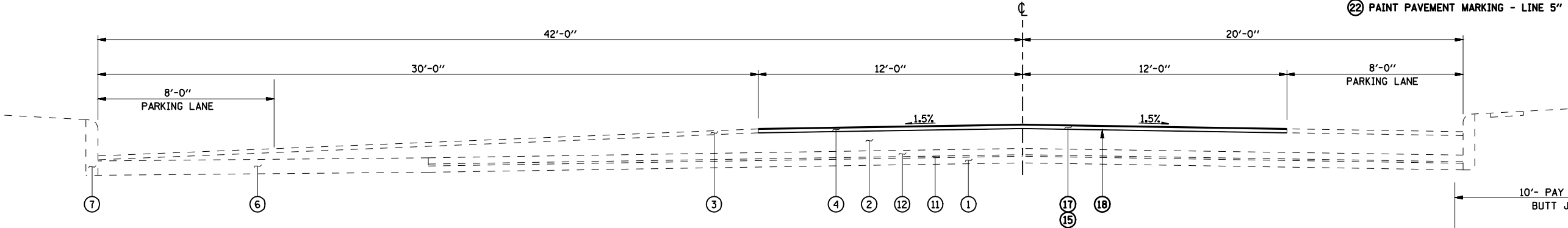
LEGEND

- 1 EX P.C.C. PAVEMENT (9'-6"-9')
- 2 EX BITUMINOUS CONCRETE SURFACE
- 3 EX 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS 1, TYPE 2
- 4 EX 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS 1, TYPE 2
- 5 EX BITUMINOUS BASE COURSE, 3 1/2"±
- 6 EX PCC BASE COURSE WIDENING
- 7 EX PCC CURB
- 8 EX PCC GUTTER
- 9 EX PCC CURB & GUTTER
- 10 EX PCC BASE
- 11 EX SAND CUSHION
- 12 EX BRICK PAVEMENT
- 13 EX GRANULAR EMBANKMENT
- 14 EXCAVATING AND GRADING EXISTING SHOULDER
- 15 LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- 16 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- 17 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- 18 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- 19 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- 20 AGGREGATE SHOULDERS, TYPE B
- 21 HOT-MIX ASPHALT SHOULDERS, 6"
- 22 PAINT PAVEMENT MARKING - LINE 5"



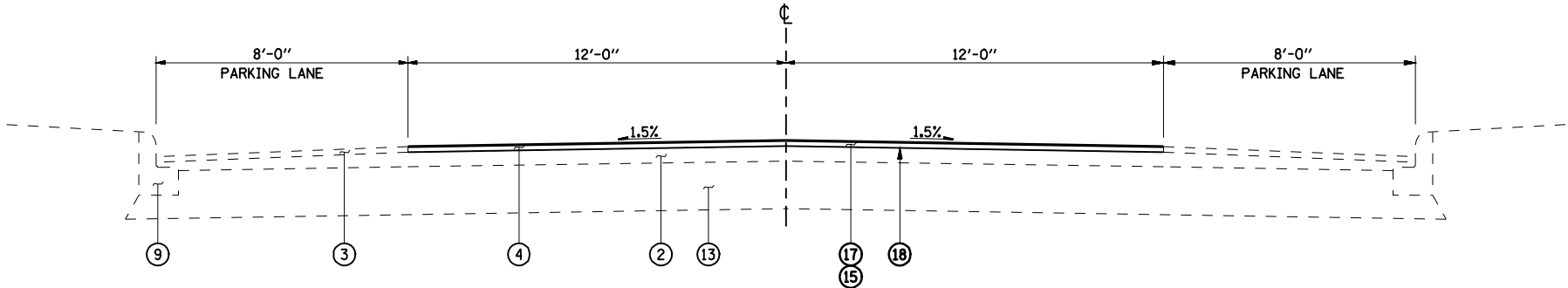
TYPICAL SECTION

STA 276+00 TO STA 282+46



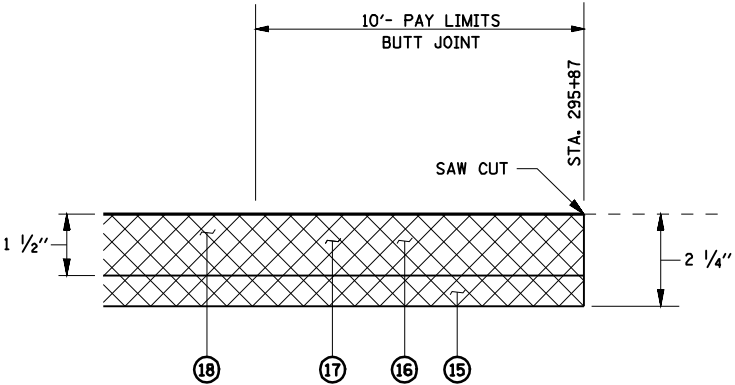
TYPICAL SECTION

STA 282+46 TO STA 286+42



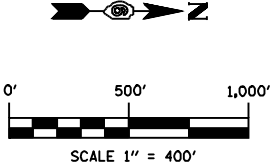
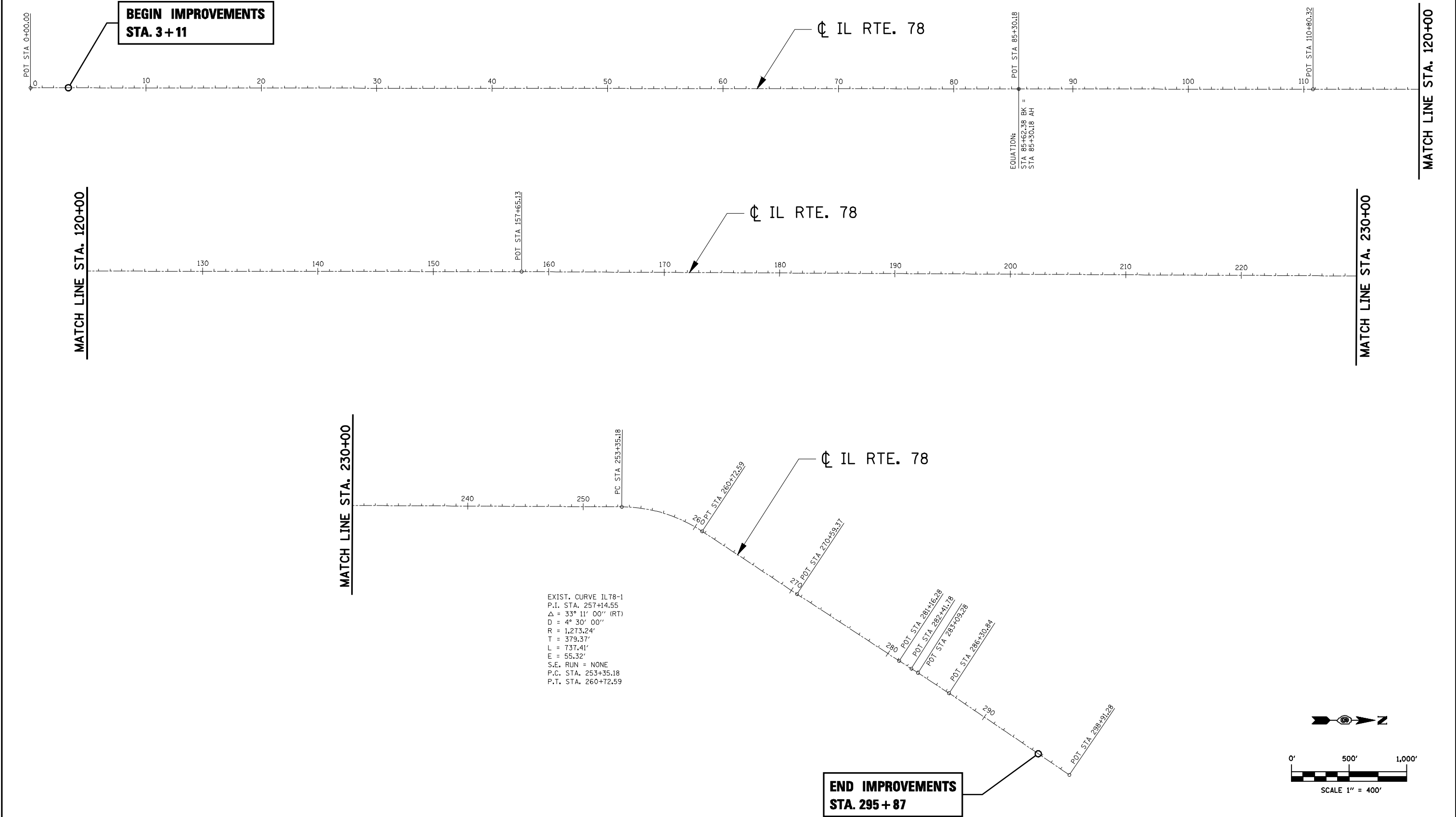
TYPICAL SECTION

STA 286+42 TO STA 295+87

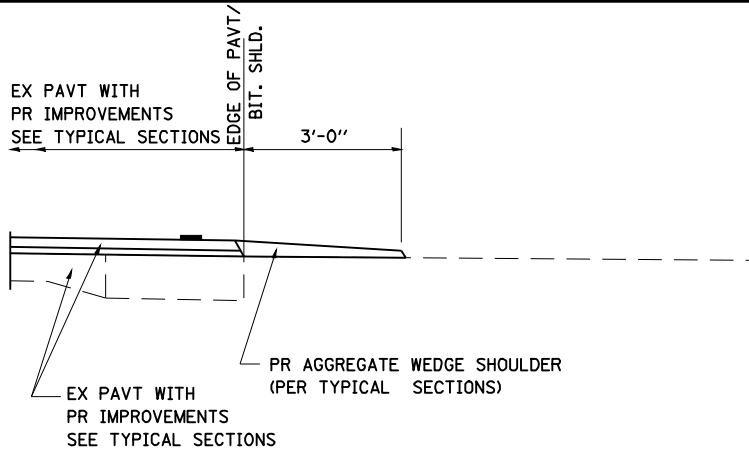


URBAN BUTT - JOINT DETAIL

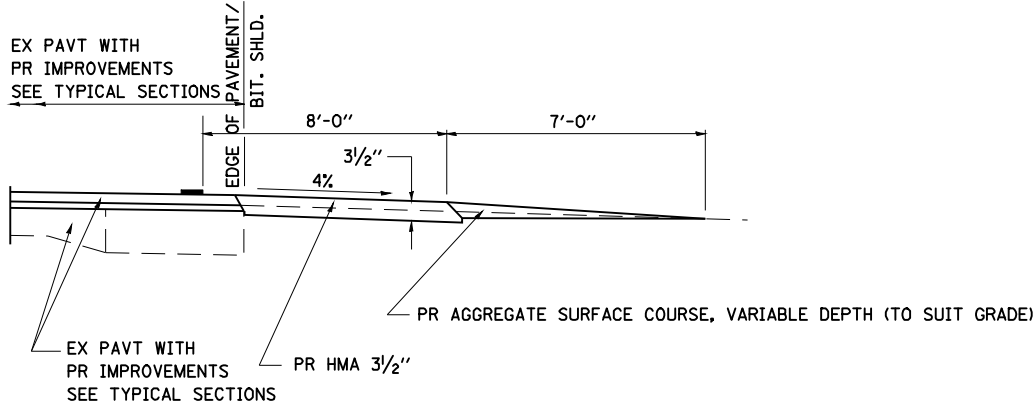
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	PLOT SCALE = 20.0000 ' / IN.	DATE - 6/11/2007	REVISED -		CONTRACT NO. 72B25				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
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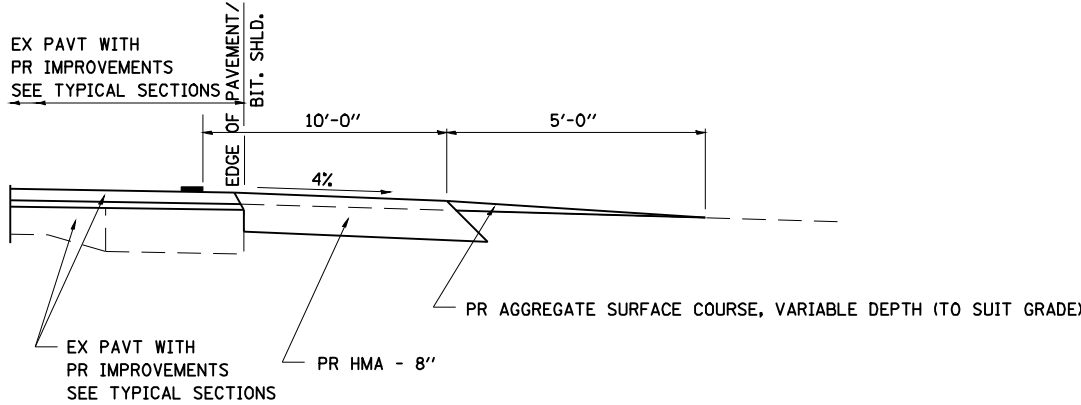
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		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



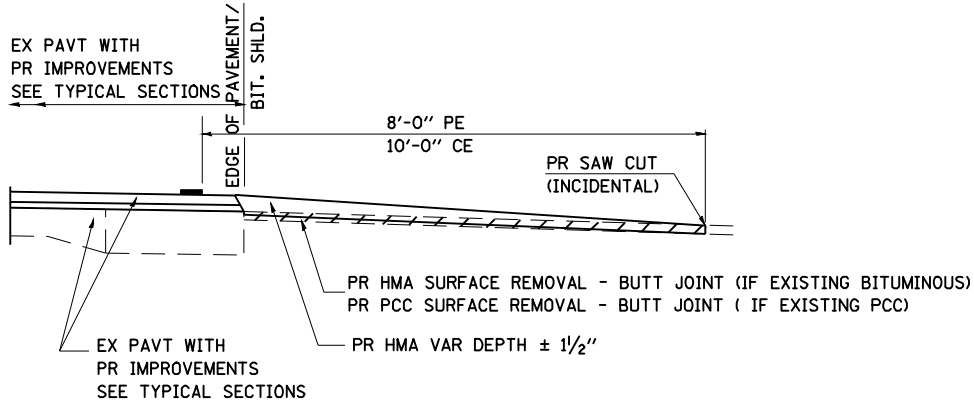
SECTION A-A FOR EX EARTH/ AGGREGATE FE



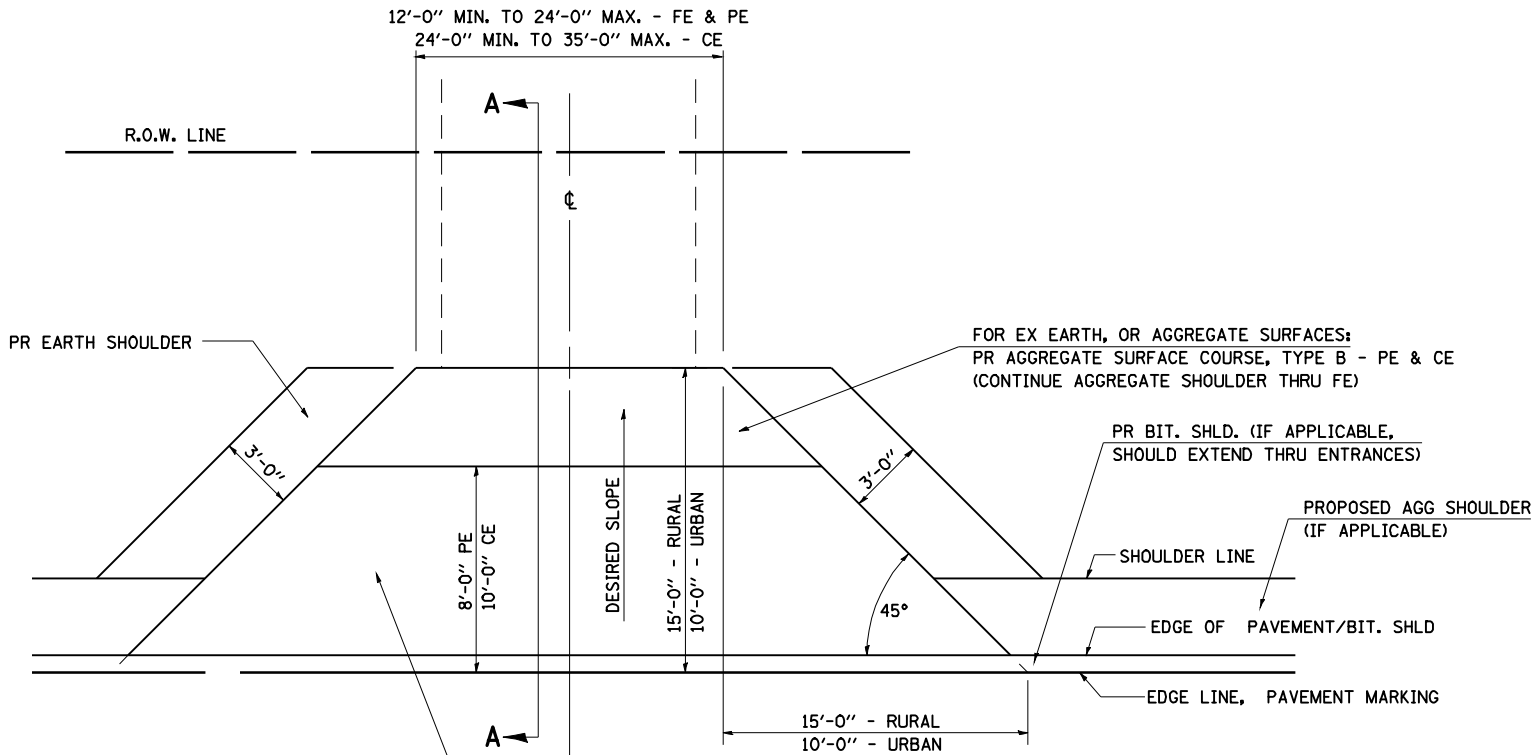
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX BITUMINOUS/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
PR HMA SURFACE REMOVAL (IF APPLICABLE)
PR AGGREGATE SHOULDER THRU - FE
PR HMA 3 1/2" - PE
PR HMA 8" - CE

FOR EX HMA SURFACES:
PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

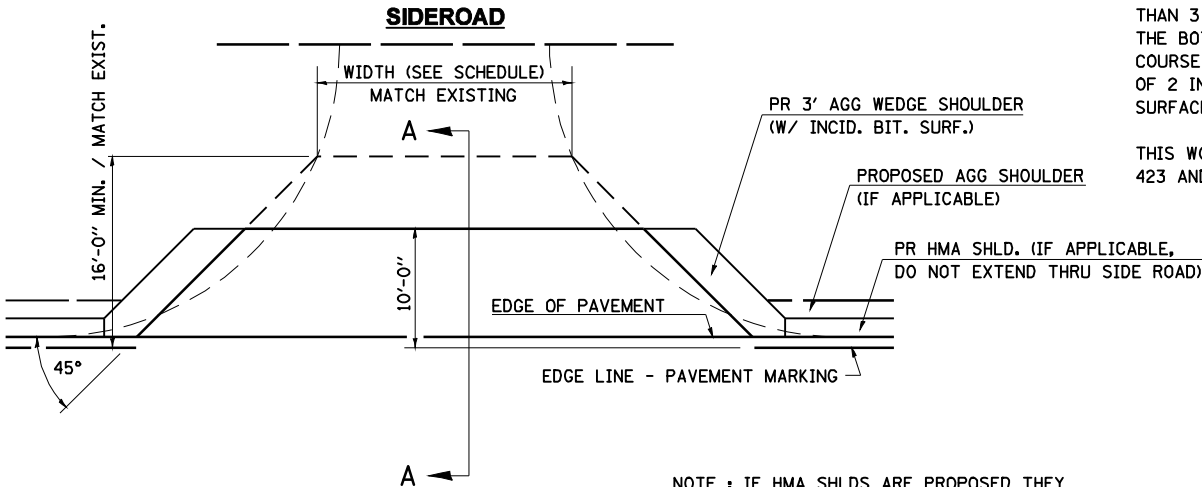
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HOT-MIX ASPHALT REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HOT-MIX ASPHALT PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE REQUIREMENTS OF HOT-MIX ASPHALT SURFACE COURSE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

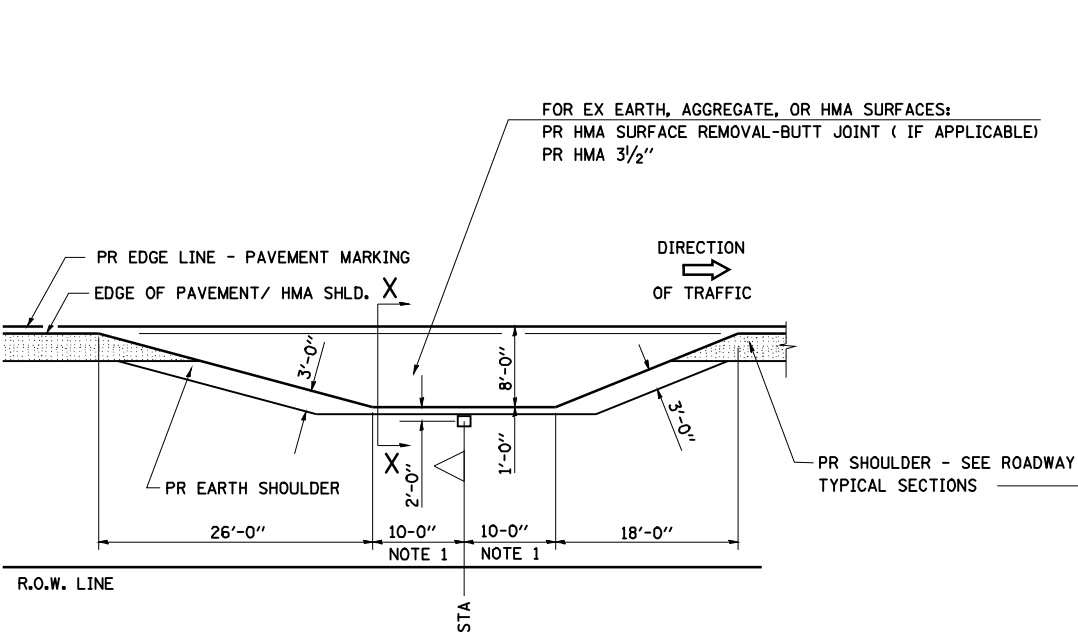
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



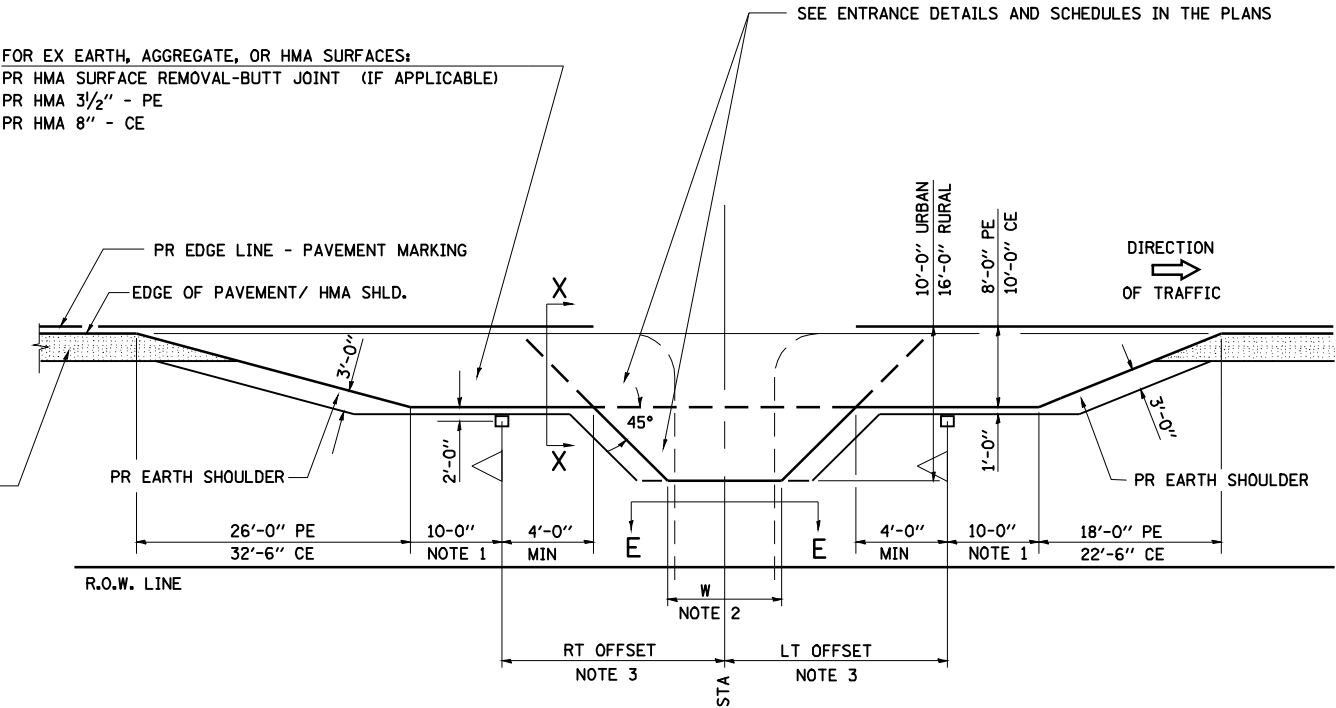
NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR RURAL /URBAN ENTRANCE, MAILBOX TURNOUT & SIDEROADS W /O CONCRETE GUTTER (PPP)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\p\work\PWIDOT\LAUGHLINRL\dms30897\672825-shit-details-ent.dgn		DRAWN - CAD	REVISED -		614	8CS(RS-3); 146(RS-3)	CASS	14	13				
PLOT SCALE = 40.000' / IN.		CHECKED - JCN	REVISED -		CONTRACT NO. 72B25								
PLOT DATE = Feb-16-2010 09:55:40AM		DATE - 2/23/1999	REVISED -										
					SCALE: NTS	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

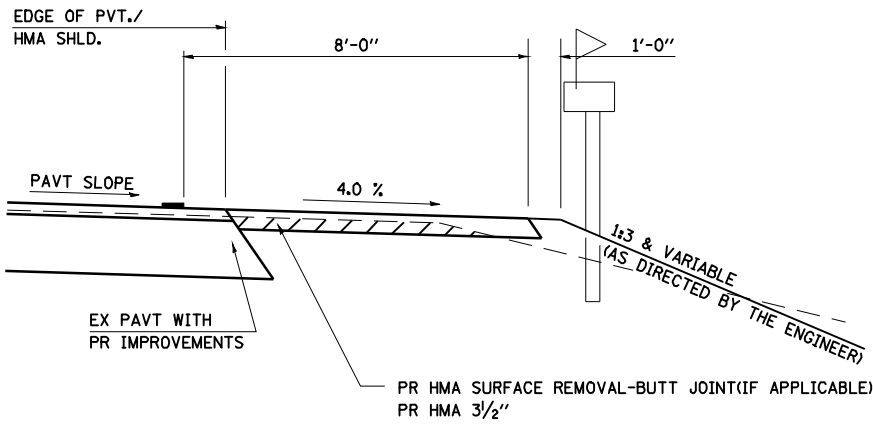
DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

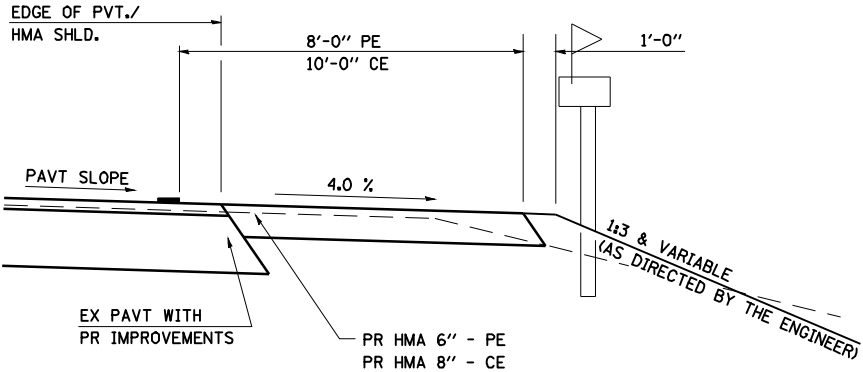


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX BITUMINOUS CONC & PC CONC PE & CE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT,
DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND
SECTIONS A-A & E-E REFER TO THE
SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN
USE OFFSET DIMENSION PER SCHEDULE AND
REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SHOWN.

JCN 2/19/03
JCN 4/01/04

FILE NAME = e:\pwork\PWIDOT\LAUGHLINRL\dms30897\672825-shit-details-ent.dgn	USER NAME = laughlinr1 672825-shit-details-ent.dgn PLOT SCALE = 40.000' / IN. PLOT DATE = Feb-16-2010 09:55:42AM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR RURAL /URBAN ENTRANCE, MAILBOX TURNOUT & SIDEROADS W /O CONCRETE GUTTER (PPP)	SCALE: NTS	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - CAD	REVISED -						614	8CS(RS-3); 146(RS-3)	CASS	14	14
		CHECKED - JCN	REVISED -						CONTRACT NO. 72B25				
		DATE - 2/23/1999	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				