

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 42 /327 (IL 127/US 50)
SECTION (110, 111, 112, 113)RS-5, 14-16-I
PROJECT ACF-000V (017)
RESURFACING & PATCHING
CLINTON COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42/327	(110,111,112,113)RS-5, 14-16-I	CLINTON	33	1
		ILLINOIS	CONTRACT NO. 76H65	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

IL 127	US 50
ADT: 8950 (2013)	ADT: 4850 (2013)
9100 (2015) EST.	4900 (2015) EST.
10400 (2035) EST.	5700 (2035) EST.
SU: 12.3%	SU: 3.2%
MU: 9.9%	MU: 9.8%

FUNCTIONAL CLASSIFICATION:

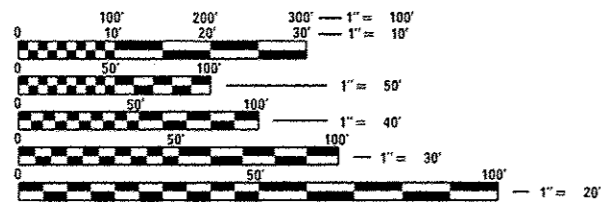
MINOR ARTERIAL (IL 127)
OTHER ARTERIAL (US 50)

TOWNSHIPS:

IRISHTOWN
CARLYLE
WHEATFIELD
WADE

OMISSIONS:

- BRIDGE S.N. 014-0063
(STA. 423 + 90 TO STA. 426 + 28)
- BRIDGE S.N. 014-0064
(STA. 336 + 67 TO STA. 338 + 18)
- CULVERT S.N. 014-2433
(STA. 98 + 64 TO STA. 98 + 80)

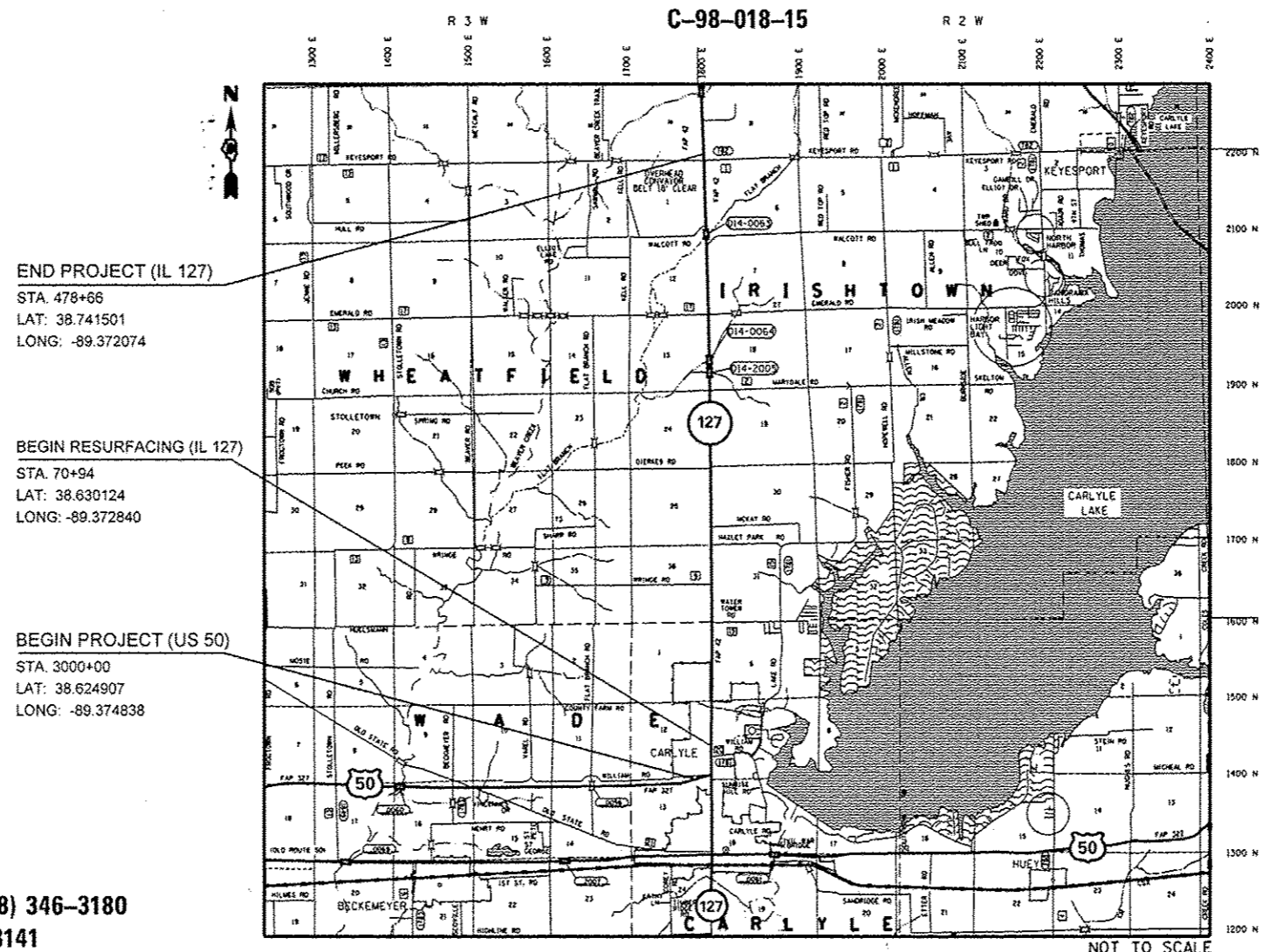


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

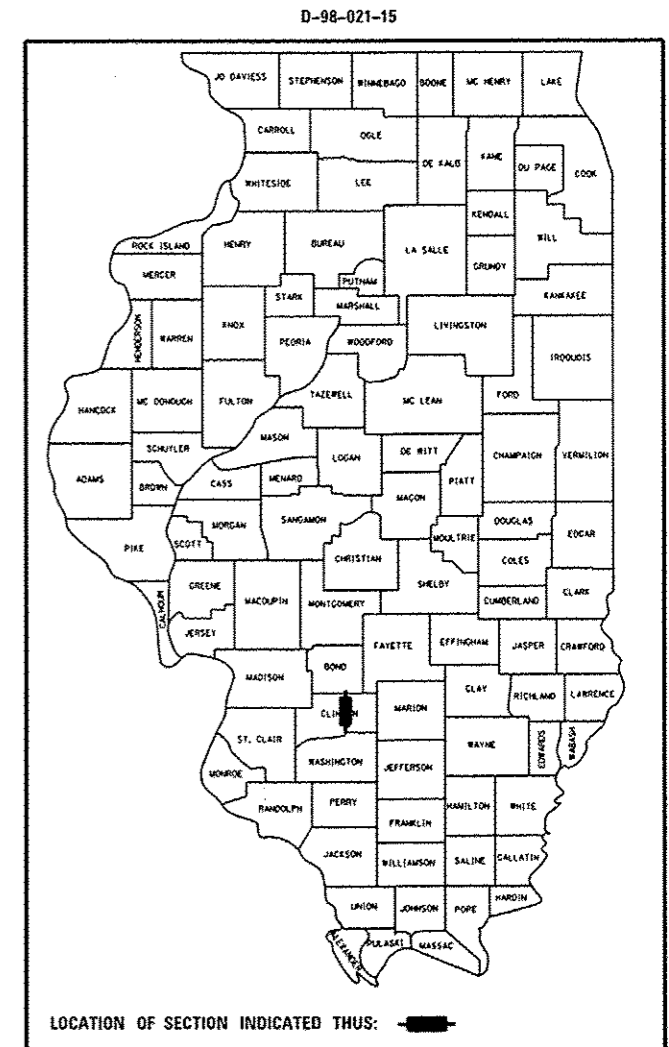
PROJECT ENGINEER: MICHAEL PRITCHETT (618) 346-3180
PROJECT DESIGNER: JUAN LOPEZ (618) 346-3141

CONTRACT NO. 76H65



GROSS LENGTH = 41620.00 FT. = 7.883 MILES
NET LENGTH = 41215.00 FT. = 7.806 MILES

NOT TO SCALE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: *May 20 2015*

Jeffrey E. K...
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 8 2015
Juan D. Baranzolo, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2015
Orin Conner, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS
3-7	SUMMARY OF QUANTITIES
8-11	TYPICAL SECTIONS
12	LOCATION MAP
13-24	SCHEDULES OF QUANTITIES
25-26	DETECTOR LOOP REPLACEMENT PLANS
27-31	DETAIL SHEETS
32	SIGNING DETAILS
33	EROSION AND SEDIMENT CONTROL DETAIL

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
420701-02	PAVEMENT FABRIC
442001-04	CLASS A PATCHES
442101-07	CLASS B PATCHES
630001-10	STEEL PLATE BEAM GUARDRAIL
630106-01	LONG-SPAN GUARDRAIL OVER CULVERT
630301-06	SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
631033-06	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642006	SHOULDER RUMBLE STRIPS, 8 INCH
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701305-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-04	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

NONE

GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	ABOVE GROUND	BELOW GROUND
•AT&T (COMMUNICATIONS)	X	X
•CITY OF CARLYLE (WATER & SEWER)		X
•CITY OF CARLYLE (ELECTRIC)	X	X
•CARLYLE NORTH WATER COMPANY (WATER)		X
•CLINTON COUNTY EAST PUBLIC WATER DISTRICT (WATER)		X
•CHARTER COMMUNICATIONS (COMMUNICATIONS)	X	X
•CLINTON COUNTY ELECTRIC COOPERATIVE (ELECTRIC)	X	X
•FRONTIER NORTH (COMMUNICATIONS)	X	X
•SOUTHWESTERN ELECTRIC COOPERATIVE (ELECTRIC)	X	X
- MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)-892-0123 OR 811 AND ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
- SHORT TERM PAVEMENT MARKING AND TEMPORARY PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL".
- THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING UTILITIES WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDINGLY TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES. ALL GRADING REQUIRED TO MAINTAIN POSITIVE DRAINAGE SHALL BE INCLUDED IN THE COST OF AGGREGATE WEDGE SHOULDERS, TYPE B.
- EARTH EXCAVATION SHALL INCLUDE ALL MATERIALS ENCOUNTERED, INCLUDING BUT NOT LIMITED TO, OIL AND CHIP SIDE ROADS, AND HMA ENTRANCES.
- ALL EARTHWORK REQUIRED TO MEET STD 630301 SHALL BE INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINAL TYPE I SPECIAL (TANGENT).
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 42 / FAP 327
SECTION	(110,111,112,113)RS-5, 14-16-1
COUNTY	CLINTON
CONTRACT	76H65

DESCRIPTION:	3P RESURFACING AT IL 127 FROM BOND COUNTY LINE TO 0.2 MILES NORTH OF WILLIAM ROAD IN CARLYLE.
--------------	---

ADT (Construction Yr):	10600
MU%:	6.9
SU%:	6.2
20 YR. ESAL'S:	4.80

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL	SHOULDER > 2.25"
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=30
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 9.5	IL 9.5 FG	IL 9.5	IL 19.0 L
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"	
QUALITY MGMT PROC	QCP	QCP	QC/OA	QC/OA

Plan quantities for Bituminous Concrete Surface Course items are calculated using a unit weight of 112 lb/sq yd/inch (0.056 tons/sq yd/inch)

- CONTRACTOR SHALL BE AWARE THAT GUARDRAIL IS ATTACHED TO STRUCTURE AT VARIOUS LOCATIONS AND THE COST TO REMOVE GUARDRAIL ATTACHED TO THE STRUCTURES SHALL BE INCLUDED IN THE COST OF GUARDRAIL REMOVAL.
- TYPE 6B AND TYPE I SPECIAL TANGENT TRAFFIC BARRIER TERMINALS SHALL USE 9' STEEL POSTS.
- HMA INCIDENTAL SURFACING IS INCLUDED TO PROVIDE A SMOOTH TRANSITION AT HMA ENTRANCES AND SIDE ROADS. CONTRACTOR SHALL VERIFY LOCATIONS WHERE THIS IS NECESSARY.
- THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- AN ESTIMATED QUANTITY OF 15523 TONS OF MILLINGS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION IS ANTICIPATED.
- THE QUALITY CONTROL FOR PERFORMANCE ITEMS AND QUANTITIES ARE AS FOLLOWS:

HMA SURFACE COURSE, MIX "D", N90, IL 9.5 - 10651 TONS
LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90 - 7108 TONS
- APPROXIMATELY 168 SQUARE YARDS OF PCC PATCHES WITHIN THE PROJECT LIMITS WILL BE SUBJECT TO THE HMA SURFACE REMOVAL OPERATIONS OF THE DEPTHS SPECIFIED IN THE PLANS. THE COST OF MILLING THESE PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE HMA REMOVAL ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- CONTRACTOR SHALL BE AWARE THAT THE LOCATION OF PATCHES ARE APPROXIMATE AND SHOULD BE COORDINATED WITH THE RESIDENT ENGINEER AND OPERATIONS PERSONNEL, PRIOR TO CONSTRUCTION.
- FOR CLASS B PATCHES, 20", THE REINFORCEMENT SHALL BE PLACED AT 3/2" ± 1 INCH BELOW THE ELEVATION OF THE EXISTING CONCRETE PAVEMENT.
- SAW CUTS FOR BUTT JOINTS, HMA TRANSITIONS, MILLING, AND SHOULDER REMOVAL SHALL BE INCLUDED IN THE COST OF EACH RESPECTIVE ITEM AND NO FURTHER COMPENSATION SHALL BE ALLOWED.
- THE PROJECT SHALL NOT HAVE ANY ADVERSE EFFECT ON THE SUITABLE HABITAT FOR EASTERN MASSASAUGA RATTLESNAKE (SISTRURUS CATENATUS), PROVIDING THAT WORKERS ON THE PROJECT ARE INSTRUCTED THAT ANY SNAKES ENCOUNTERED ARE NOT TO BE KILLED.
- A QUANTITY FOR AGGREGATE SHOULDERS, TYPE B, HAS BEEN INCLUDED AT GUARDRAIL LOCATIONS TO PROVIDE APPROPRIATE SLOPES BETWEEN THE PAVED SHOULDER AND THE FACE OF THE GUARDRAIL, IN ACCORDANCE TO STANDARD 630001-10.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% COUNTY
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL
20200100	EARTH EXCAVATION	CU YD	3156	3156	
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	30	30	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	74062	73362	700
40600647	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	7108	7064	44
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	630	630	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1491	1491	
40600990	TEMPORARY RAMP	SQ YD	350	350	
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	10651	10549	102
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	486	486	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	125	125	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	92402	92402	
44004250	PAVED SHOULDER REMOVAL	SQ YD	7101	7101	
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	304	304	
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	92	92	

14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% COUNTY
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SO YD	221	221	
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SO YD	1581	1581	
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SO YD	92	92	
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SO YD	337	337	
44201102	CLASS B PATCHES, TYPE II, 20 INCH	SO YD	94	94	
44201104	CLASS B PATCHES, TYPE III, 20 INCH	SO YD	74	74	
44201299	DOWEL BARS 1 1/2"	EACH	4324	4324	
44213000	PATCHING REINFORCEMENT	SO YD	616	616	
44213100	PAVEMENT FABRIC	SO YD	503	503	
44213200	SAW CUTS	FOOT	15836	15836	
44213204	TIE BARS 3/4"	EACH	374	374	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	67088	67088	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	237	237	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1131	1111	20

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% COUNTY
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	21302	21302	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1046	1046	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1875	1875	
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	650	650	
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	675	675	
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	350	350	
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8	8	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	30	30	
63200310	GUARDRAIL REMOVAL	FOOT	4176	4176	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	80686	80686	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	

14
* SPECIALTY ITEM

FILE NAME *	USER NAME * Lopez, J	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\spw\dot\l\lopez\j\08417428\0870	09-shs-plan.dgn	DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____	TO STA. _____	42/327	110,111,112,113RS-5, 14-16-1	CLINTON	33	5
	PLOT SCALE * 100.0000 / in	CHECKED -	REVISED -						CONTRACT NO. 76H65				
	PLOT DATE * 3/20/2015	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% COUNTY
				ROADWAY	ROADWAY
				0005 RURAL	0005 RURAL
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9142	9082	60
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	94	94	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100113	99833	280
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	34	34	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	35053	34950	103
* 72000100	SIGN PANEL - TYPE 1	SQ FT	202	202	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	25	25	
* 73000100	WOOD SIGN SUPPORT	FOOT	391	391	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	97505	97225	280

14
* SPECIALTY ITEM

FILE NAME * c:\pwwork\pwwork\loperj\08417428\0876	USER NAME * loperj	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
65-shtr-plan.dgn	DRAWN - ---	REVISED - ---	#2/327					110,111,112,113RS-5, 14-16-1	CLINTON	33	6	
PLOT SCALE * 100.0000 / in.	CHECKED - ---	REVISED - ---			CONTRACT NO. 76H65			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE * 3/28/2015	DATE - ---	REVISED - ---			SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____					

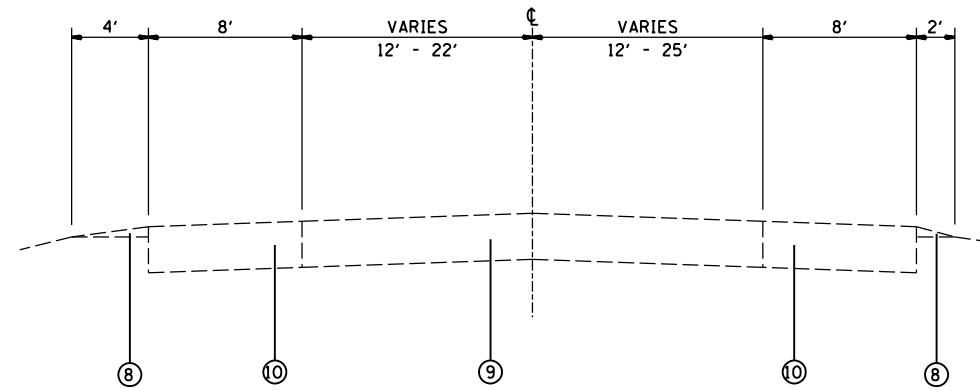
2015

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% COUNTY	
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL	
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94	94		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2608	2608		
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	34	34		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	549	549		
* 78200300	PRISMATIC CURB REFLECTOR	EACH	20	20		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	75	75		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	30	30		
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	1031	1031	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	549	549	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	30	30		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	532	532		
	Z0036200	PAINT CURB	FOOT	110	110	
	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	12	12	
φ	Z0076600	TRAINEES	Hour	2000	2000	
φ	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	2000	2000	

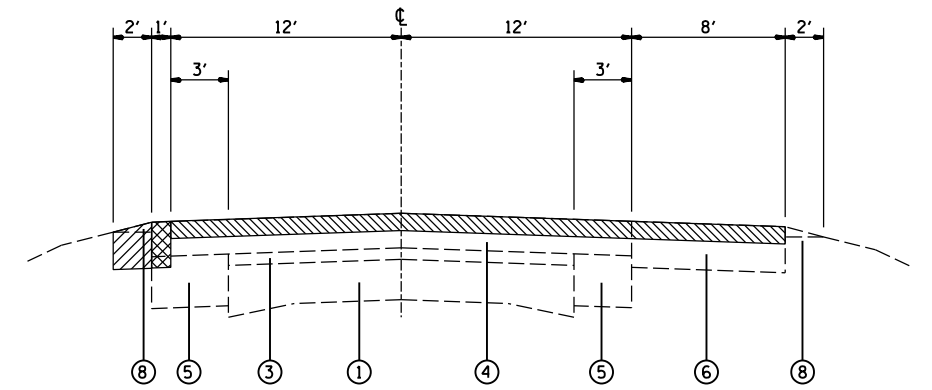
φ 0042
* SPECIALTY ITEM

FILE NAME *	USER NAME * lopezjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\lopezjo\0417428\087865-shr-plan.dgn	65-shr-plan.dgn	DRAWN -	REVISED -						42/327	110,111,112,113RS-5, 14-16-1	CLINTON	33	?
PLOT SCALE * 1/8" = 1' / in		CHECKED -	REVISED -		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE * 3/20/2015		DATE -	REVISED -						CONTRACT NO. 76465				

- PROPOSED HMA SURFACE REMOVAL, 3"
- PROPOSED PAVED SHOULDER REMOVAL, 8"
- PROPOSED EARTH EXCAVATION, 8"



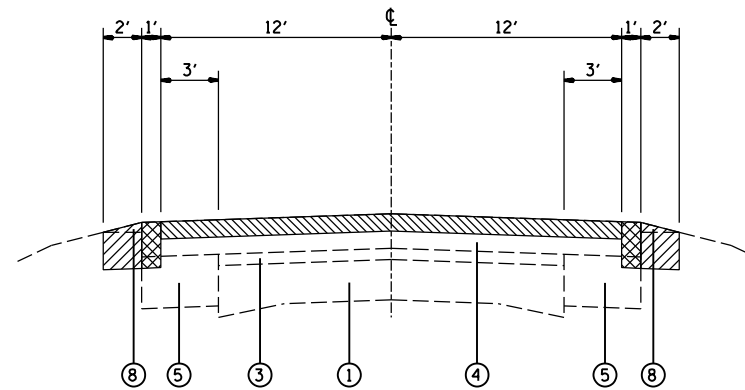
EXISTING TANGENT SECTION (US 50)
STA. 3000+00 TO STA. 3005+90



EXISTING TANGENT SECTION (IL 127)
STA. 70+94 TO STA. 71+48

LEGEND

- ① EXISTING PCC PAVEMENT, 9-7-9
- ② EXISTING PCC PAVEMENT, 8"
- ③ EXISTING BITUMINOUS SURFACE, 2"
- ④ EXISTING BITUMINOUS RESURFACING, 6"
- ⑤ EXISTING BITUMINOUS WIDENING, 9"
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING BITUMINOUS SHOULDER, 11"
- ⑧ EXISTING AGRREGATE SHOULDER
- ⑨ EXISTING CRPCC PAVEMENT, 8"
- ⑩ EXISTING CRPCC SHOULDER, 8"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N90, IL 9.5
- ⑬ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDERS, 8"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED AGGREGATE SHOULDER
- ⑲ PROPOSED SHOULDER RUMBLE STRIP, 8"



EXISTING TANGENT SECTION (IL 127)

STA. 71+48 TO STA. 329+53
STA. 348+69 TO STA. 413+92

CULVERT OMISSION
STA. 98+64 TO STA. 98+80

FILE NAME =	USER NAME = lopez.jc	DESIGNED -	REVISED -
ca:\pwwork\pwwork\lopez.jc\d0417428\d87665-sh1-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = 3/20/2015		DATE -	REVISED -

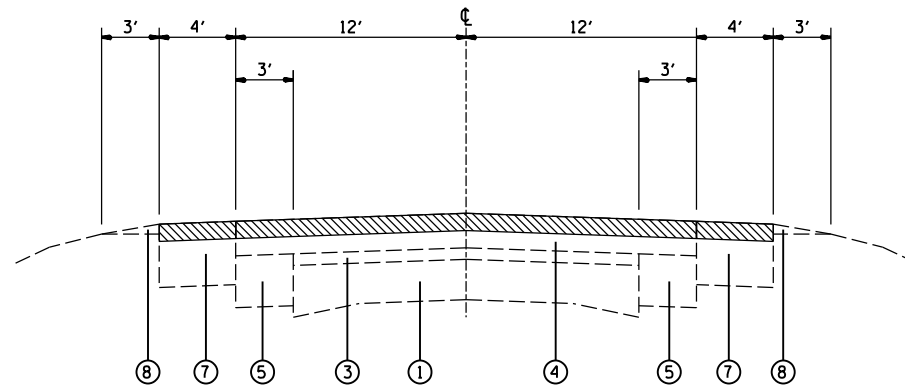
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICALS (US 50 & IL 127)

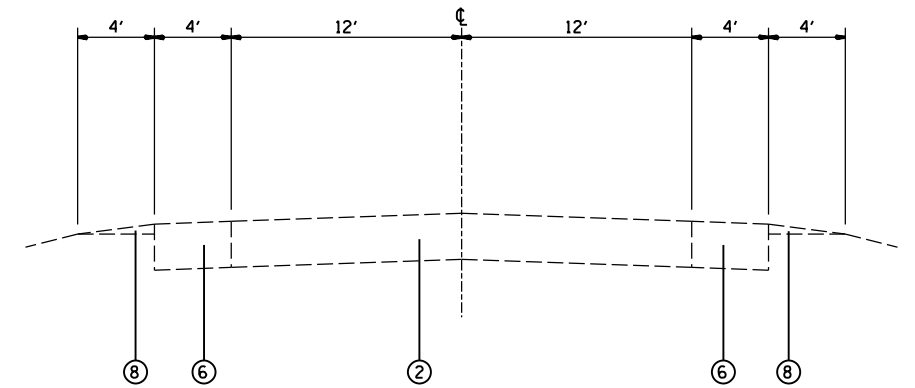
SCALE: _____ SHEET NO. 1 OF 2 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42/327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	8
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H65	

- PROPOSED HMA SURFACE REMOVAL, 3"
- PROPOSED PAVED SHOULDER REMOVAL, 8"
- PROPOSED EARTH EXCAVATION, 8"



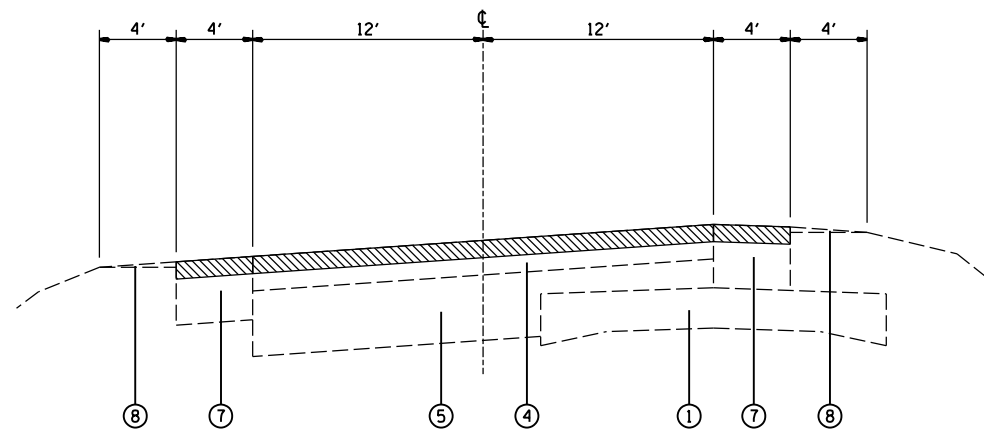
EXISTING TANGENT SECTION
STA. 440+08 TO STA. 446+64



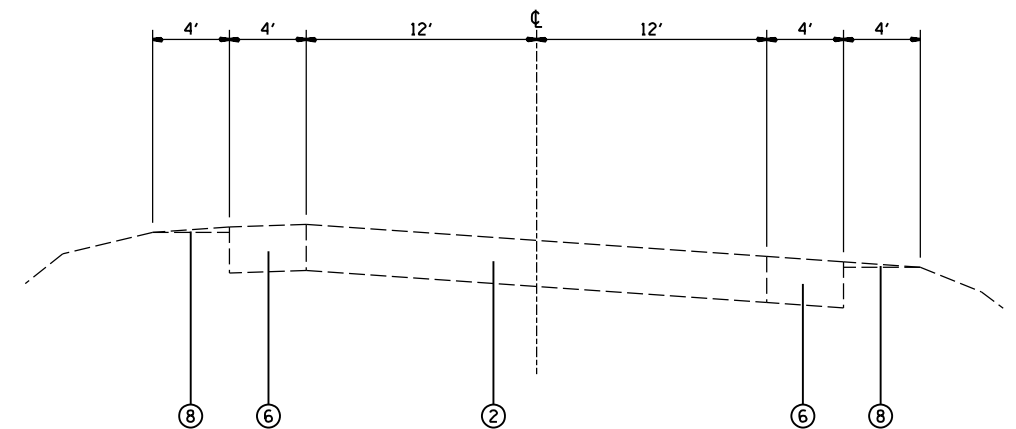
EXISTING TANGENT SECTION
STA. 329+53 TO STA. 348+69
STA. 413+92 TO STA. 440+08
STA. 466+32 TO STA. 478+66
BRIDGE OMISSIONS
STA. 336+67 TO STA. 338+18
STA. 423+90 TO STA. 426+28

LEGEND

- ① EXISTING PCC PAVEMENT, 9-7-9
- ② EXISTING PCC PAVEMENT, 8"
- ③ EXISTING BITUMINOUS SURFACE, 2"
- ④ EXISTING BITUMINOUS RESURFACING, 6"
- ⑤ EXISTING BITUMINOUS WIDENING, 9"
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING BITUMINOUS SHOULDER, 11"
- ⑧ EXISTING AGRREGATE SHOULDER
- ⑨ EXISTING CRPCC PAVEMENT, 8"
- ⑩ EXISTING CRPCC SHOULDER, 8"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N90, IL 9.5
- ⑬ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDERS, 8"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑰ PROPOSED AGGREGER WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED SHOULDER RUMBLE STRIP, 8"

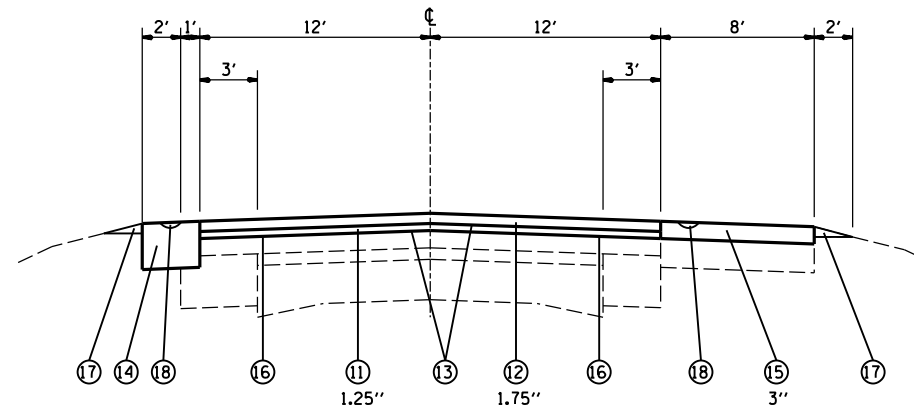


EXISTING TANGENT SECTION
STA. 446+64 TO STA. 457+08

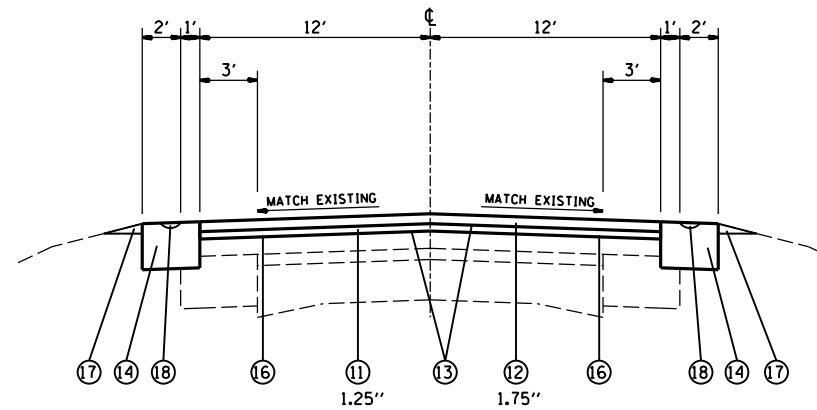


EXISTING TANGENT SECTION
STA. 457+08 TO STA. 466+32

FILE NAME =	USER NAME = lopez.jc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICALS (IL 127)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\lopez.jc\d0417428\d876\65-sh1-plen.dgn	DRAWN -	REVISED -	42/327				(110,111,112,113)RS-5, 14-16-1	CLINTON	33	9	
PLOT SCALE = 100.0000' / 11.	CHECKED -	REVISED -	CONTRACT NO. 76H65								
PLOT DATE = 3/20/2015	DATE -	REVISED -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT								



PROPOSED TANGENT SECTION
STA. 70+94 TO STA. 71+48

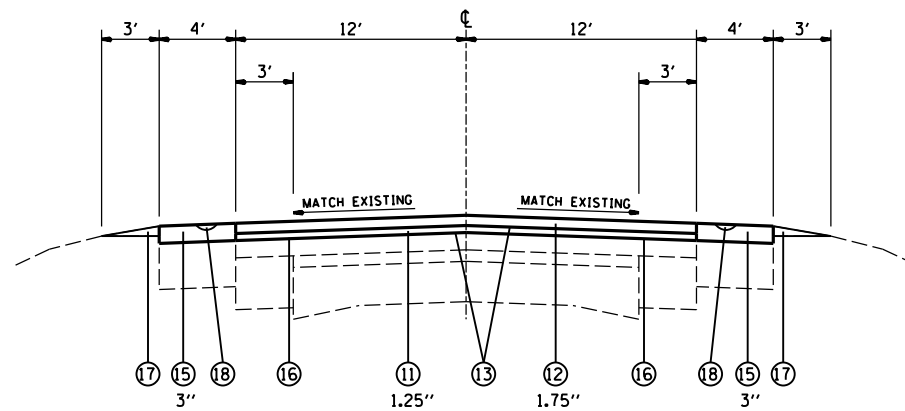


PROPOSED TANGENT SECTION
STA. 71+48 TO STA. 329+53
STA. 348+69 TO STA. 413+92
CULVERT OMISSION
STA. 98+64 TO STA. 98+80

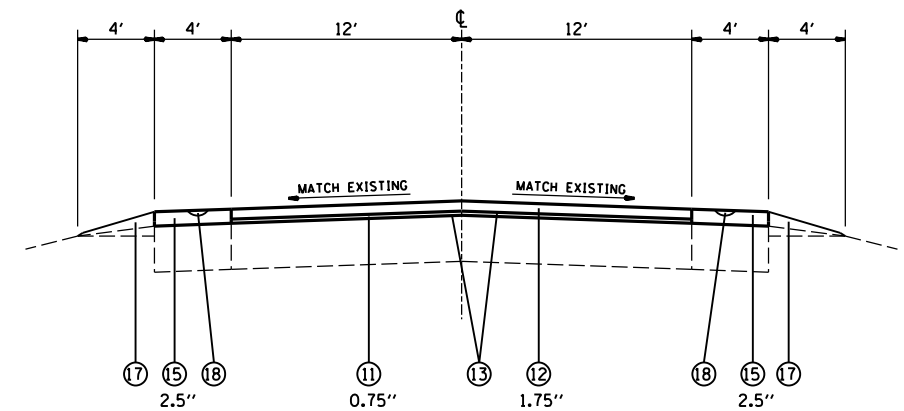
LEGEND

- ① EXISTING PCC PAVEMENT, 9-7-9
- ② EXISTING PCC PAVEMENT, 8"
- ③ EXISTING BITUMINOUS SURFACE, 2"
- ④ EXISTING BITUMINOUS RESURFACING, 6"
- ⑤ EXISTING BITUMINOUS WIDENING, 9"
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING BITUMINOUS SHOULDER, 11"
- ⑧ EXISTING AGRREGATE SHOULDER
- ⑨ EXISTING CRPCC PAVEMENT, 8"
- ⑩ EXISTING CRPCC SHOULDER, 8"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N90, IL 9.5
- ⑬ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDERS, 8"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED AGGREGATE SHOULDER
- ⑲ PROPOSED SHOULDER RUMBLE STRIP, 8"

FILE NAME =	USER NAME = lopez, jc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICALS (IL 127)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pwork\dot\lopez, jc\d0417428\d876565-sh1-plen.dgn	DRAWN -	REVISED -	42/327			(110,111,112,113)RS-5, 14-16-1	CLINTON	33	10	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 76H65							
PLOT DATE = 3/20/2015	DATE -	REVISED -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							

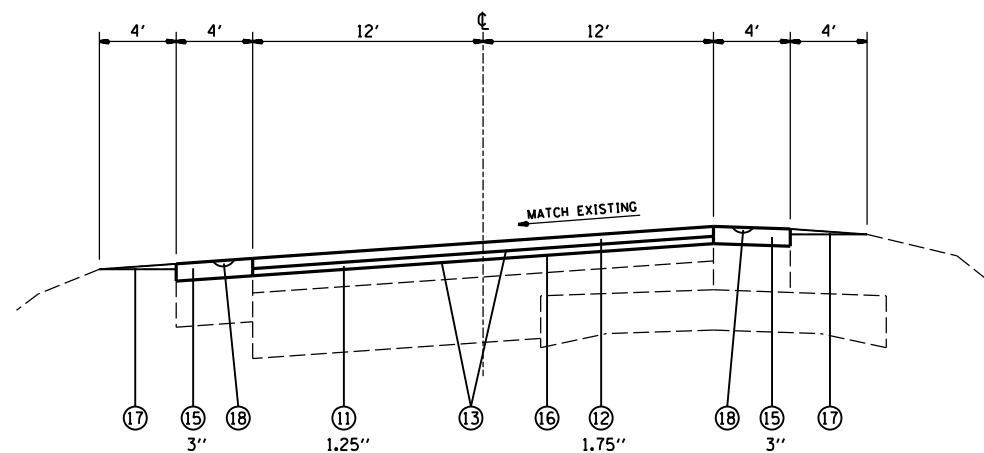


PROPOSED TANGENT SECTION
STA. 440+08 TO STA. 446+64

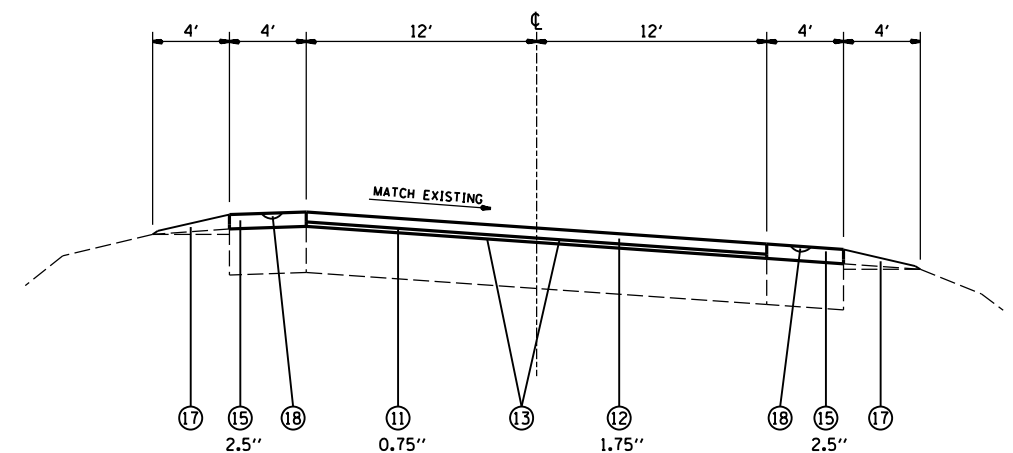


PROPOSED TANGENT SECTION
STA. 329+53 TO STA. 348+69
STA. 413+92 TO STA. 440+08
STA. 466+32 TO STA. 478+66

BRIDGE OMISSIONS
STA. 336+67 TO STA. 338+18
STA. 423+90 TO STA. 426+28



PROPOSED TANGENT SECTION
STA. 446+64 TO STA. 457+08

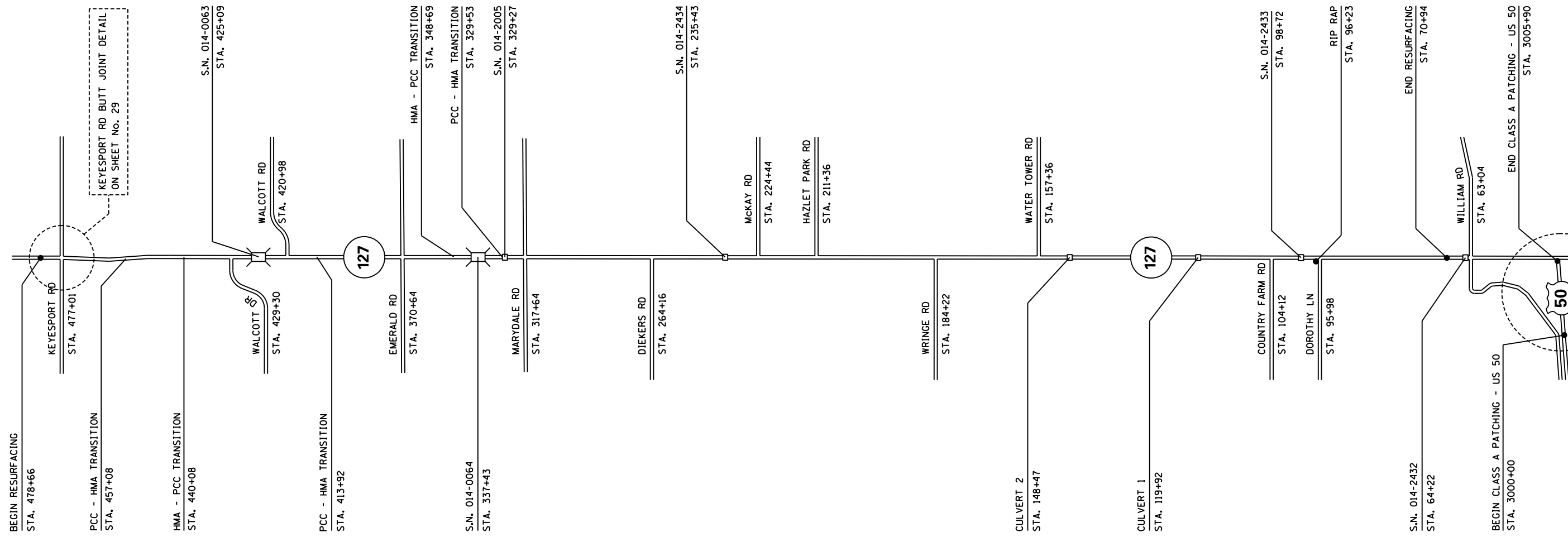


PROPOSED TANGENT SECTION
STA. 457+08 TO STA. 466+32

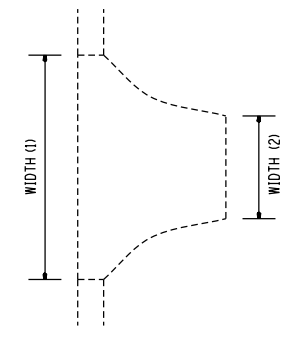
LEGEND

- ① EXISTING PCC PAVEMENT, 9-7-9
- ② EXISTING PCC PAVEMENT, 8"
- ③ EXISTING BITUMINOUS SURFACE, 2"
- ④ EXISTING BITUMINOUS RESURFACING, 6"
- ⑤ EXISTING BITUMINOUS WIDENING, 9"
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING BITUMINOUS SHOULDER, 11"
- ⑧ EXISTING AGRREGATE SHOULDER
- ⑨ EXISTING CRPCC PAVEMENT, 8"
- ⑩ EXISTING CRPCC SHOULDER, 8"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90
- ⑫ PROPOSED HMA SURFACE COURSE, MIX "D", N90, IL 9.5
- ⑬ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDERS, 8"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED AGGREGATE SHOULDER
- ⑲ PROPOSED SHOULDER RUMBLE STRIP, 8"

FILE NAME =	USER NAME = lopez_jc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICALS (IL 127)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\lopez_jc\d0417428\d8765-sh1-plan.dgn		DRAWN -	REVISED -		SCALE: _____	SHEET NO. 2 OF 2 SHEETS	STA. _____ TO STA. _____	42/327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	11
		CHECKED -	REVISED -								CONTRACT NO. 76H65	
		DATE -	REVISED -								FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT	



SIDE ROAD INFORMATION				
LOCATION STATION	OFFSET LT/RT	WIDTH (1) FOOT	WIDTH (2) FOOT	DESCRIPTION
52+40	LT	-	-	US 50
63+04	RT	-	-	WILLIAM RD
95+98	LT	39.25	21.5	DOROTHY LN
104+12	LT	66	27	COUNTRY FARM RD
157+36	RT	80	24	WATER TOWER RD
184+22	LT	88	30	WRINGE RD
211+36	RT	148	46	HAZLET PARK RD
224+44	LT	62	31	MCKAY RD
264+16	LT	54	24	DIEKERS RD
317+64	RT	67	28	MARYDALE RD
370+64	RT	30	13	EMERALD RD
420+98	LT	43	18	EMERALD RD
429+30	RT	55	26	EMERALD RD
477+01	LT	72	27	WALCOTT RD
	LT	47	12	WALCOTT DR
	RT	-	-	KEYSPORT RD
	LT	-	-	



FILE NAME =	USER NAME = lopezjc	DESIGNED -	REVISD -
es:\pw\work\p\midot\lopezjc\d0417428\d87665-sh1-pln.dgn		DRAWN -	REVISD -
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISD -
PLOT DATE = 3/20/2015		DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP - IL 127		
SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. 52+40 TO STA. 478+66

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42/327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	12
CONTRACT NO. 76H65				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

NOT TO SCALE

EB - EASTBOUND
 WB - WEST BOUND
 TL - TURN LANE

CLASS A PATCHING SCHEDULE

LOCATION STATION	LANE OFFSET	LENGTH FOOT	WIDTH FOOT	CLASS A PATCHES, 8 INCH			SAW CUTS FOOT	PATCHING REINFORCEMENT SQ YD	TIE BARS 3/4" EACH
				TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD			
3000+63	WB	6	12	8.00			66	8.00	
3000+91	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
3001+16	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
3001+23	EB TL	120	VAR. 1 TO 7			53.33	376	53.33	118
3001+57	WB	12	12		16.00		84	16.00	
	EB	6	12	8.00			66	8.00	
3001+86	WB	12	12		16.00		84	16.00	
	EB	6	12	8.00			66	8.00	
3002+00	EB TL	6	12	8.00			66	8.00	
3002+21	WB	6	12	8.00			66	8.00	
3002+35	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
	RT TL	6	12	8.00			66	8.00	
3002+72	WB	10	12	13.33			78	13.33	
	EB	10	12	13.33			78	13.33	
	EB TL	10	12	13.33			78	13.33	
3002+89	EB TL	6	12	8.00			66	8.00	
3003+05	WB	12	12		16.00		84	16.00	
	EB	6	12	8.00			66	8.00	
	EB TL	6	12	8.00			66	8.00	
3003+27	WB	6	12	8.00			66	8.00	
3003+36	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
	EB TL	6	12	8.00			66	8.00	
3003+72	EB	6	12	8.00			66	8.00	
	EB TL	6	12	8.00			66	8.00	
3003+89	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
	EB TL	6	12	8.00			66	8.00	
3004+03	WB	6	12	8.00			66	8.00	
	EB	12	12		16.00		84	16.00	
	EB TL	12	12		16.00		84	16.00	
3004+21	WB	6	12	8.00			66	8.00	
	EB	6	12	8.00			66	8.00	
	EB TL	6	12	8.00			66	8.00	
3004+78	WB	52	12			69.33	204	69.33	50
	EB	52	12			69.33	204	69.33	50
SUBTOTAL				264.00	80.00	192.00	3286	536.00	218
15% ANTICIPATED FAILURE				39.60	12.00	28.80	492.9	80.40	32.7
TOTAL				304	92	221	3779	616	251

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
93+99	NB	12	12					16	72	20		16
93+99	SB	12	12					16	72	20		16
279+21	NB	12	12					16	72	20		16
279+21	SB	12	12					16	72	20		16
330+24	NB	12	12		16				72	20		16
330+24	SB	12	12		16				72	20		16
330+72	NB	6	12	8					54	20		
330+72	SB	12	12		16				72	20		16
331+58	NB	6	12	8					54	20		
331+58	SB	6	12	8					54	20		
331+90	NB	6	12	8					54	20		
331+90	SB	6	12	8					54	20		
332+45	NB	6	12	8					54	20		
332+45	SB	6	12	8					54	20		
332+88	NB	6	12	8					54	20		
333+50	NB	6	12	8					54	20		
333+50	SB	6	12	8					54	20		
333+80	SB	6	12	8					54	20		
334+10	NB	6	12	8					54	20		
334+10	SB	6	12	8					54	20		
SUBTOTAL				104	48	0	0	64	1206	400	0	112

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
334+21	NB	6	12	8					54	20		
334+21	SB	6	12	8					54	20		
334+63	NB	6	12	8					54	20		
334+63	SB	6	12	8					54	20		
334+78	NB	6	12	8					54	20		
334+78	SB	12	12		16				72	20		16
338+27	NB	6	12	8					54	20		
338+27	SB	6	12	8					54	20		
338+49	SB	6	12	8					54	20		
338+70	NB	6	12	8					54	20		
338+70	SB	6	12	8					54	20		
339+17	NB	6	12	8					54	20		
339+17	SB	6	12	8					54	20		
339+67	SB	6	12	8					54	20		
340+15	NB	6	12	8					54	20		
340+15	SB	6	12	8					54	20		
341+41	NB	6	12	8					54	20		
341+41	SB	6	12	8					54	20		
341+80	SB	6	12	8					54	20		
342+65	NB	6	12	8					54	20		
342+65	SB	6	12	8					54	20		
346+35	NB	6	12	8					54	20		
346+35	SB	6	12	8					54	20		
346+84	NB	6	12	8					54	20		
346+84	SB	6	12	8					54	20		
347+29	NB	6	12	8					54	20		
348+69	NB	8	12	11				11	120	40		
348+69	SB	10	12	13				13	132	40		
413+92	NB	6	12	8				8	108	40		
413+92	SB	6	12	8				8	108	40		
SUBTOTAL				240	16	0	40	0	1890	680	0	16

NOTES
 [•] PATCHING AT THIS LOCATION CONSIST OF DIFFERENT SIZE PATCHES DUE TO EXISTING PAVEMENT DEPTH

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
414+16	NB	6	12	8					48	20		
414+39	SB	6	12	8					48	20		
414+51	SB	6	12	8					48	20		
414+55	NB	6	12	8					48	20		
414+80	SB	6	12	8					48	20		
415+04	NB	6	12	8					48	20		
415+04	SB	6	12	8					48	20		
415+24	SB	6	12	8					48	20		
415+44	NB	6	12	8					48	20		
415+65	SB	6	12	8					48	20		
415+92	NB	6	12	8					48	20		
415+92	SB	6	12	8					48	20		
416+08	SB	6	12	8					48	20		
416+50	NB	6	12	8					48	20		
416+50	SB	6	12	8					48	20		
416+72	SB	6	12	8					48	20		
417+10	NB	6	12	8					48	20		
417+10	SB	6	12	8					48	20		
417+35	NB	6	12	8					48	20		
417+35	SB	6	12	8					48	20		
418+23	NB	6	12	8					48	20		
418+23	SB	6	12	8					48	20		
418+64	NB	6	12	8					48	20		
418+64	SB	6	12	8					48	20		
419+07	NB	6	12	8					48	20		
422+74	SB	6	12	8					48	20		
423+12	SB	6	12	8					48	20		
423+23	SB	6	12	8					48	20		
427+14	NB	8	12	11					52	20		
427+48	NB	6	12	8					48	20		
SUBTOTAL				243	0	0	0	0	1444	600	0	0

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
427+48	SB	6	12	8					48	20		
427+98	NB	6	12	8					48	20		
427+98	SB	6	12	8					48	20		
428+35	NB	6	12	8					48	20		
428+35	SB	6	12	8					48	20		
428+78	NB	6	12	8					48	20		
428+78	SB	6	12	8					48	20		
429+02	NB	6	12	8					48	20		
429+23	NB	6	12	8					48	20		
429+23	SB	6	12	8					48	20		
429+44	NB	20	12			27			76	20	9	27
429+60	SB	6	12	8					48	20		
429+84	NB	6	12	8					48	20		
429+84	SB	6	12	8					48	20		
430+09	NB	6	12	8					48	20		
430+28	NB	6	12	8					48	20		
430+28	SB	6	12	8					48	20		
430+44	NB	6	12	8					48	20		
430+44	SB	6	12	8					48	20		
431+36	NB	6	12	8					48	20		
431+53	NB	6	12	8					48	20		
431+73	NB	6	12	8					48	20		
432+37	NB	6	12	8					48	20		
432+37	SB	6	12	8					48	20		
432+77	NB	6	12	8					48	20		
432+99	NB	6	12	8					48	20		
433+21	NB	10	12	13					56	20		
433+49	SB	6	12	8					48	20		
433+64	NB	6	12	8					48	20		
433+95	SB	6	12	8					48	20		
SUBTOTAL				237	0	27	0	0	1476	600	9	27

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
434+22	NB	6	12	8					48	20		
434+22	SB	6	12	8					48	20		
434+68	NB	6	12	8					48	20		
434+68	SB	6	12	8					48	20		
434+86	NB	6	12	8					48	20		
434+86	SB	6	12	8					48	20		
435+04	SB	6	12	8					48	20		
435+15	NB	6	12	8					48	20		
435+15	SB	6	12	8					48	20		
435+67	SB	6	12	8					48	20		
436+59	NB	6	12	8					48	20		
436+59	SB	6	12	8					48	20		
436+80	NB	6	12	8					48	20		
436+80	SB	6	12	8					48	20		
439+67	NB	6	12	8					48	20		
439+67	SB	6	12	8					48	20		
439+93	SB	6	12	8					48	20		
440+08	NB	3	12	4			4		84	40		
440+08	SB	8	12	11			11		104	40		
457+08	NB	10	12	13			13		112	40		
457+08	SB	10	12	13			13		112	40		
457+25	NB	6	12	8					54	20		
457+25	SB	6	12	8					54	20		
457+67	NB	6	12	8					54	20		
457+67	SB	6	12	8					54	20		
458+40	SB	6	12	8					54	20		
458+56	SB	6	12	8					54	20		
459+29	SB	6	12	8					54	20		
459+62	SB	6	12	8					54	20		
460+35	NB	6	12	8					54	20		
SUBTOTAL				249	0	0	41	0	1714	680	0	0

NOTES

[*] PATCHING AT THIS LOCATION CONSIST OF DIFFERENT SIZE PATCHES DUE TO EXISTING PAVEMENT DEPTH

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH	EACH	SQ YD
460+35	SB	6	12	8					54	20		
460+73	SB	6	12	8					54	20		
460+91	SB	10	12	13					66	20		
461+02	NB	6	12	8					54	20		
461+45	NB	6	12	8					54	20		
461+86	SB	6	12	8					54	20		
462+27	NB	6	12	8					54	20		
462+27	SB	6	12	8					54	20		
462+66	SB	6	12	8					54	20		
463+10	SB	6	12	8					54	20		
463+52	SB	6	12	8					54	20		
463+94	SB	6	12	8					54	20		
464+14	SB	6	12	8					54	20		
464+30	SB	6	12	8					54	20		
464+71	NB	6	12	8					54	20		
464+71	SB	6	12	8					54	20		
465+10	SB	6	12	8					54	20		
465+50	NB	6	12	8					54	20		
465+50	SB	6	12	8					54	20		
466+09	NB	6	12	8					54	20		
466+28	SB	6	12	8					54	20		
466+66	SB	6	12	8					54	20		
467+00	NB	6	12	8					54	20		
467+00	SB	6	12	8					54	20		
467+41	SB	6	12	8					54	20		
467+54	NB	6	12	8					54	20		
467+54	SB	6	12	8					54	20		
467+82	NB	6	12	8					54	20		
468+36	NB	6	12	8					54	20		
468+60	NB	6	12	8					54	20		
SUBTOTAL				245	0	0	0	0	1632	600	0	0

CLASS B PATCHING SCHEDULE												
LOCATION	LANE OFFSET	LENGTH	WIDTH	CLASS B PATCHES, 8 INCH			CLASS B PATCHES, 20 INCH		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC
				TYPE II	TYPE III	TYPE IV	TYPE II	TYPE III				
STATION		FOOT	FOOT	SO YD	SO YD	SO YD	SO YD	SO YD	FOOT	EACH	EACH	SO YD
468+80	SB	6	12	8					54	20		
469+82	SB	6	12	8					54	20		
470+25	SB	6	12	8					54	20		
470+69	NB	12	12		16				72	20		16
470+69	SB	6	12	8					54	20		
471+14	SB	6	12	8					54	20		
471+84	NB	6	12	8					54	20		
472+79	NB	6	12	8					54	20		
477+00	NB	100	12			133			336	20	49	133
477+00	SB	100	12			133			336	20	49	133
SUBTOTAL				56	16	267	0	0	1122	200	98	283
ADDED SUBTOTAL FROM ALL SHEETS				1375	80	293	81	64	10484	3760	107	437
ANTICIPATED FAILURE 15%				206	12	44	12	10	1573	564	16	66
TOTAL PLAN QUANTITY				1581	92	337	94	74	12057	4324	123	503

HMA RESURFACING SCHEDULE										
LOCATION			DIMENSIONS		HMA SURFACE REMOVAL, 3"	BITUMINOUS MATERIAL PRIME COAT	LEVELING BINDER (MACHINE METHOD), IL-95FG, N90	HMA SURFACE COURSE MIX "D", N90, IL 9.5	HMA SHOULDERS	STRIP REFLECTING CRACK CONTROL TREATMENT
			LENGTH	WIDTH						
STATION	TO	STATION	FOOT	FOOT	SO YD	POUNDS	TONS	TONS	TONS	FOOT
70+94		71+48	54.00	24.00	192.00	118.80	10.08	14.11	8.06	108.00
71+48		329+53	25789.00	24.00	68770.67	46420.20	4813.95	6739.53		51578.00
329+53		348+69	1765.00	24.00		3177.00	197.68	461.25	219.64	
348+69		413+92	6523.00	24.00	17394.67	11741.40	1217.63	1704.68		13046.00
413+92		440+08	2378.00	24.00		4280.40	266.34	621.45	295.93	
440+08		446+64	656.00	24.00	2332.44	1443.20	122.45	171.43	97.96	1312.00
446+64		457+08	1044.00	24.00	3712.00	2296.80	194.88	272.83	155.90	1044.00
457+08		466+32	924.00	24.00		1663.20	103.49	241.47	114.99	
466+32		478+66	1234.00	24.00		2221.20	138.21	322.49	153.56	
KEYSPORT ROAD										
2000+52		2002+82	230.00	VAR.		699.69	43.54	101.58		
CALCULATED QUANTITY					92401.78	74061.89	7108.23	10650.83	1046.06	67088.00
PLAN QUANTITY					92402	74062	7108	10651	1046	67088

[1]
[2]
[3]

NOTES

[1] CULVERT OMISSION DEDUCTED FROM THE LENGTH (S.N. 014-2433)

[2] BRIDGE OMISSION DEDUCTED FROM THE LENGTH (S.N. 014-0064)

[3] BRIDGE OMISSION DEDUCTED FROM THE LENGTH (S.N. 014-0063)

SHOULDER SCHEDULE

LOCATION		DIMENSIONS		PAVED SHOULDER REMOVAL	EARTH EXCAVATION	HMA SHOULDER, 8"	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIP, 8"	
		LENGTH	WIDTH						
STATION TO	STATION	RT/LT	FOOT	FOOT	SQ YD	CU YD	SQ YD	TONS	FOOT
70+94	TO 329+53	LT	25859.0	3.0	2840.3	1262.3	8520.8	276.6	25562.3
71+48	TO 329+53	RT	25805.0	3.0	2821.7	1254.1	8465.0	277.7	25395.0
329+53	TO 348+69	RT/LT	1916.0	3.0				75.2	3832.0
348+69	TO 413+92	RT/LT	6523.0	3.0	1438.7	639.4	4316.0	150.9	12948.0
413+92	TO 478+66	RT/LT	6474.0	3.0				329.9	12948.0
2000+52	TO 2002+82	RT/LT	230.0	3.0				20.2	
CALCULATED QUANTITY			66807.0	3.0	7100.6	3155.8	21301.8	1130.5	80685.3
PLAN QUANTITY					7101	3156	21302	1131	80686

BUTT JOINT SCHEDULE

LOCATION	HMA SURFACE REMOVAL BUTT JOINT	PCC SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMPS
STATION	SQ YD	SQ YD	SQ YD
70+94			28.89
78+13	64.39		
104+12	48.56		
232+40	49.08		
325+93	31.67		
329+53		168.00	26.67
333+09	28.33		
336+72		133.33	22.67
338+13		133.33	22.67
348+69			26.67
410+70	42.22		
411+96	47.50		
413+92			26.67
415+80		42.50	
420+98	275.00		47.22
423+95		133.33	22.67
426+23		133.33	22.67
440+08			26.67
457+08			26.67
470+39	43.44		
2002+32		133.33	20.00
477+01 SB		389.67	
478+66		224.00	30.22
CALCULATED QTY	630.19	1490.83	350.33
PLAN QTY	630	1491	350

SIDE ROAD AND ENTRANCE SCHEDULE

LOCATION	OFFSET	WIDTH	DESCRIPTION	INCIDENTAL HMA SURFACING	BITUMINOUS MATERIALS (PRIME COAT)
STATION	LT/RT	FOOT		TONS	POUNDS
78+13	LT	61	COMMERCIAL - HMA	3.61	28.98
104+12	RT	46	PRIVATE - HMA	2.72	21.85
232+40	LT	46.5	PRIVATE - HMA	2.75	22.09
325+93	LT	30	PRIVATE - HMA	1.77	14.25
333+09	LT	30	PRIVATE -HMA	3.97	12.75
410+70	LT	40	COMMERCIAL - HMA	2.36	19.00
411+96	LT	45	COMMERCIAL - HMA	2.66	21.38
415+80	RT	45	COMMERCIAL - PCC	8.75	28.13
420+98	RT	49	WALCOTT RD - HMA	38.50	122.50
470+39	RT	46	COMMERCIAL - HMA	6.08	19.55
477+01	LT	125.25	KEYSPORT RD - PCC	51.90	175.35
CALCULATED QUANTITY				125.07	485.81
PLAN QUANTITY				125	486

RAISED ISLAND SCHEDULE

LOCATION	OFFSET	PAINT CURB	PRISMATIC CURB REFLECTOR
STATION	RT/LT	FOOT	EACH
476+80	LT	56.04	10
477+17	RT	54.16	10
CALCULATED QTY		110.2	20
PLAN QUANTITY		110	20

RIPRAP SCHEDULE

LOCATION	STONE DUMPED RIPRAP, CLASS A3
STATION	TONS
96+23	30
PLAN QTY	30

GUARDRAIL SCHEDULE

LOCATION		LENGTH	OFFSET (NORTHBOUND)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL)	TRAFFIC BARRIER TERMINAL, TYPE 6B	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKERS DIRECT APPLIED	GUARDRAIL REMOVAL	AGREGATE SHOULDER, TYPE B
STATION TO	STATION	FOOT	RT/LT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	TONS
94+26.00	95+76.00	150.00	LT	50.0				2.0		3	2	153.0	2.92
96+37.63	97+87.63	150.00	LT	112.5				1.0			1	246.0	2.92
97+87.63	99+56.38	168.75	LT			168.75				6		16.0	2.97
99+56.38	100+43.88	87.50	LT	50.0				1.0			1	89.0	1.70
97+00.13	97+87.63	87.50	RT	50.0				1.0			1	132.0	3.40
97+87.63	99+56.38	168.75	RT			168.75				4		16.0	6.56
99+56.38	100+06.38	50.00	RT	12.5				1.0			1	116.0	1.94
118+22.75	118+97.75	75.00	LT	37.5				1.0			1	60.0	1.46
118+97.75	120+60.25	162.50	LT		162.50					5		12.0	3.16
120+60.25	121+85.25	125.00	LT	87.5				1.0			1	107.0	2.43
117+98.75	119+23.75	125.00	RT	87.5				1.0			1	164.0	2.43
119+23.75	120+86.25	162.50	RT		162.50					5		18.0	3.16
120+86.25	121+61.25	75.00	RT	37.5				1.0			1	119.0	1.46
146+82.25	147+44.75	62.50	LT	25.0				1.0			1	94.0	1.82
147+44.75	149+07.25	162.50	LT		162.50					5		16.0	4.74
149+07.25	150+32.25	125.00	LT	87.5				1.0			1	107.0	3.65
146+61.75	147+86.75	125.00	RT	87.5				1.0			1	107.0	2.43
147+86.75	149+49.25	162.50	RT		162.50					5		16.0	3.16
149+49.25	150+24.25	75.00	RT	37.5				1.0			1	95.0	1.46
233+88.63	234+63.63	75.00	LT	37.5				1.0			1	120.0	1.46
234+63.63	236+32.38	168.75	LT			168.75				5		26.0	3.28
236+32.38	237+57.38	125.00	LT	87.5				1.0			1	125.0	2.43
233+28.63	234+53.63	125.00	RT	87.5				1.0			1	122.0	2.43
234+53.63	236+22.38	168.75	RT			168.75				5		26.0	3.28
236+22.38	236+97.38	75.00	RT	37.5				1.0			1	122.0	1.46
327+77.00	328+39.50	62.50	LT	25.0				1.0			1	67.0	2.43
328+39.50	330+14.50	175.00	LT				175.00			5		36.0	6.81
330+14.50	331+27.00	112.50	LT	75.0				1.0			1	125.0	4.37
327+39.50	328+39.50	100.00	RT	62.5				1.0			1	124.0	5.83
328+39.50	330+14.50	175.00	RT				175.00			5		36.0	10.21
330+14.50	330+77.00	62.50	RT	25.0				1.0			1	63.0	3.65
335+19.75	336+51.00	131.25	LT	50.0				1.0	1.0	2	1	155.0	12.76
334+78.25	336+72.00	193.75	RT	112.5				1.0	1.0	3	1	217.0	18.84
338+13.00	339+94.25	181.25	LT	100.0				1.0	1.0	3	1	204.0	17.62
338+33.00	339+64.25	131.25	RT	50.0				1.0	1.0	2	1	156.0	12.76
422+32.75	423+64.00	131.25	LT	50.0				1.0	1.0	2	1	154.0	14.04
421+92.75	423+99.00	206.25	RT	125.0				1.0	1.0	3	1	219.0	22.06
426+19.00	428+12.75	193.75	LT	112.5				1.0	1.0	3	1	216.0	20.72
426+53.00	428+09.25	156.25	RT	75.0				1.0	1.0	3	1	180.0	16.71
CALCULATED QUANTITY				1875.0	650.00	675.00	350.00	30.0	8.0	75	30	4176.0	236.90
PLAN QUANTITY				1875.0	650	675.0	350	30	8	75	30	4176	237

PAVEMENT MARKING SCHEDULE

LOCATION			LENGTH (FOOT)	NO PASSING DIRECTION (NB/SB)	THERMOPLASTIC			PAINT				SHORT TERM		WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	RAISED REFLECTIVE PAVEMENT MARKERS		RAISED REFLECTIVE PAVEMENT MARKERS REMOVAL (EACH)
					LINE 4"			LINE 4"		LINE 24"	LETTERS AND SYMBOLS (SQ FT)	LINE 4"	LINE 4"		CRYSTAL (EACH)	AMBER TWO-WAY (EACH)	
					WHITE SOLID (FOOT)	YELLOW SOLID (FOOT)	SKIP-DASH (FOOT)	WHITE SOLID (FOOT)	YELLOW SOLID (FOOT)	WHITE STOP BAR (FOOT)		SKIP-DASH YELLOW (FOOT)	SKIP-DASH WHITE (FOOT)				
STATION	TO	STATION	(FOOT)	(NB/SB)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(SQ FT)	(EACH)	(EACH)	(EACH)	
IL 127																	
70+94		240+53	16959		33918		4240					3084		13232		212	212
240+53		243+19	266	NB	532	266	67					50		296		4	4
243+19		251+31	812		1624		203					148		634		11	11
251+31		254+21	290	SB	580	290	73					54		323		4	4
254+21		340+32	8611		17222							1566	174	6030		108	108
340+32		348+52	820	NB	1640	820	205					150	132	935		11	11
348+52		351+46	294		588		74					54		229		4	4
351+46		359+61	815	SB	1630	815	204					150		908		11	11
359+61		433+31	7370		14740		1843					1340	312	5802		93	93
433+31		445+41	1210	NB	2420	1210	303					220	194	1380		16	16
445+41		454+41	900	BOTH	1800	1800						164	144	1251		12	12
454+41		475+46	2105	NB	4210	2105	526					384	338	2401		27	27
475+46		478+66	320	BOTH	640	640						60	52	445		4	4
US 50 [*]																	
3000+00		3001+56	156	BOTH				312	312			30	26	217		4	4
3001+56		3003+27	171	BOTH				342	342			32	28	238		10	10
3003+27		3005+67	240	BOTH				820	480	34	93.6	44	152	628	6	12	18
KEYESPORT																	
2000+52		2002+32	180		240		40					60		103			
CALCULATED SUBTOTALS					81784	7946	7775	1474	1134	34	94	7590	1552	35053	6	543	549
PLAN QUANTITY					97505			2608		34	94	9142		35053	549		549

NOTES

[*] THE EXISTING PAINTED MEDIAN SHALL BE REMOVED AND REPLACED WITH A STANDARD 4" SOLID DOUBLE CENTERLINE

PAVEMENT MARKING REMOVAL SCHEDULE

LOCATION			LENGTH	PAVEMENT MARKING REMOVAL
STATION	TO	STATION	(FOOT)	(SQ FT)
3000+00		3005+67	567	1031.3
PLAN QUANTITY				1031

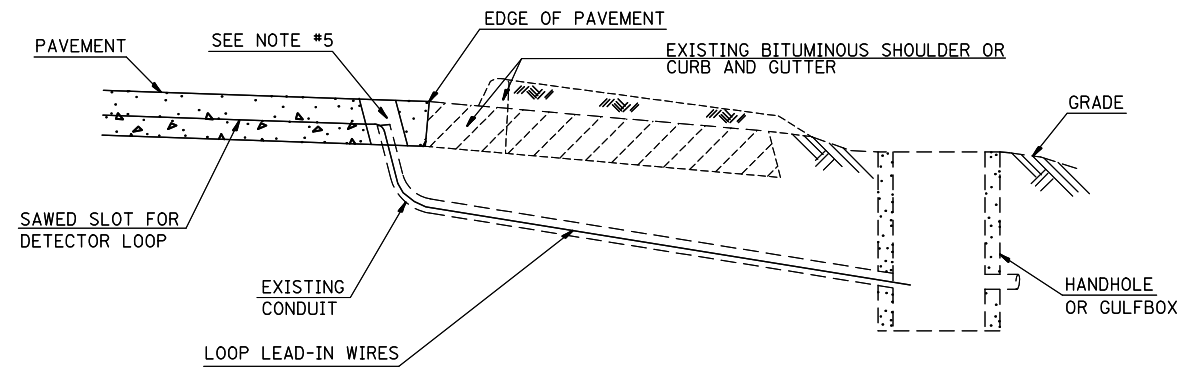
SIGNING SCHEDULE								
STATION	OFFSET	SIGN	STREET NAME	SIZE	SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL - TYPE 1
					SQ FT	FT	EACH	SQ FT
92+73	RT	W2-2		30" X 30"	6.25			
92+73	RT	W16-8P	DOROTHY LN	42" X 8"	2.3	17		
99+23	LT	W2-2		30" X 30"	6.25			
99+23	LT	W16-8P	DOROTHY LN	42" X 8"	2.3	17		
100+87	RT	W2-2		30" X 30"	6.25			
100+87	RT	W16-8P	COUNTY FARM RD	60" X 8"	3.3	17		
107+37	LT	W2-2		30" X 30"	6.25			
107+37	LT	W16-8P	COUNTY FARM RD	60" X 8"	3.3	17		
154+11	RT	W2-2		30" X 30"	6.25			
154+11	RT	W16-8P	WATER TOWER RD	60" X 8"	3.3	17		6.25
160+61	LT	W2-2		30" X 30"	6.25			
160+61	LT	W16-8P	WATER TOWER RD	60" X 8"	3.3	17		6.25
180+97	RT	W2-2		30" X 30"	6.25			
180+97	RT	W16-8P	WRINGE RD	40" X 8"	2.2	17		6.25
187+47	LT	W2-2		30" X 30"	6.25			
187+47	LT	W16-8P	WRINGE RD	40" X 8"	2.2	17		6.25
208+11	RT	W2-2		30" X 30"	6.25			
208+11	RT	W16-8P	HAZLET PARK RD	54" X 8"	3.0	17	1	
214+61	LT	W2-2		30" X 30"	6.25			
214+61	LT	W16-8P	HAZLET PARK RD	54" X 8"	3.0	17	1	
221+19	RT	W2-2		30" X 30"	6.25			
221+19	RT	W16-8P	MCKAY RD	36" X 8"	2.0	17		
227+69	LT	W2-2		30" X 30"	6.25			
227+69	LT	W16-8P	MCKAY RD	36" X 8"	2.0	17		
260+91	RT	W2-2		30" X 30"	6.25			
260+91	RT	W16-8P	DIERKES RD	40" X 8"	2.2	17		
267+41	LT	W2-2		30" X 30"	6.25			
267+41	LT	W16-8P	DIERKES RD	40" X 8"	2.2	17		
314+39	RT	W2-1		30" X 30"	6.25			
314+39	RT	W16-8P	MARYDALE RD	46" X 8"	2.5	17		
320+89	LT	W2-1		30" X 30"	6.25			
320+89	LT	W16-8P	MARYDALE RD	46" X 8"	2.5	17		
367+39	RT	W2-1		30" X 30"	6.25			
367+39	RT	W16-8P	EMERALD RD	42" X 8"	2.3	17		
373+89	LT	W2-1		30" X 30"	6.25			
373+89	LT	W16-8P	EMERALD RD	42" X 8"	2.3	17		
417+73	RT	W2-2		30" X 30"	6.25			
417+73	RT	W16-8P	WALCOTT RD	42" X 8"	2.3	17		
424+23	LT	W2-2		30" X 30"	6.25			
424+23	LT	W16-8P	WALCOTT RD	42" X 8"	2.3	17		
426+05	RT	W2-2		30" X 30"	6.25			
426+05	RT	W16-8P	WALCOTT RD	42" X 8"	2.3	17		
432+55	LT	W2-2		30" X 30"	6.25			
432+55	LT	W16-8P	WALCOTT RD	42" X 8"	2.3	17		
473+76	RT	W2-1		30" X 30"	6.25			
473+76	RT	W16-8P	KEYESPORT RD	48" X 8"	2.6	17		
TOTALS					202	391	2	25

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 127 & US 50
CODE NO.	ITEM	UNIT		
8030100	LOCATING UNDERGROUND CABLE	FOOT	30	30
86600600	DETECTOR LOOP REPLACEMENT	FOOT	532	532



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- EX. DETECTOR LOOP
- EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p\dot\prestonme\d0417428\d876h65-ts-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
GENERAL NOTES, SCHEDULE OF QUANTITIES,
DETAIL AND LEGEND**

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

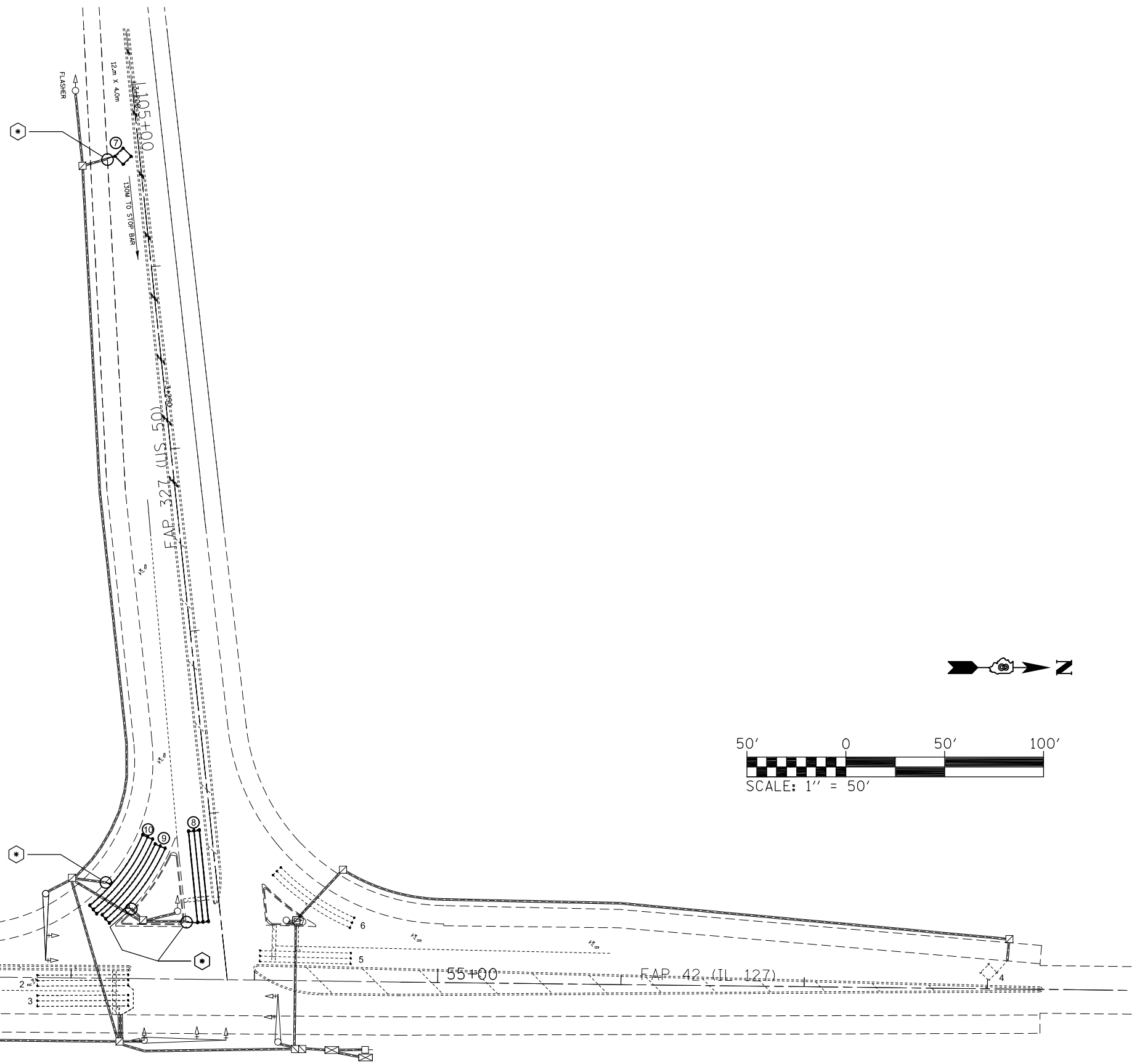
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42 327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H65	

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO	6	6 x 6	6	368.4	2.9
2. NB LT CD	1	6 x 50(Q)	3-6-3	823.0	2.4
3. NB THRU CD	6	6 x 50(Q)	3-6-3	818.3	2.3
4. WB CCO	2	6 x 6	6	371.0	3.0
5. WB THRU CD	2	6 x 50(Q)	3-6-3	812.2	2.2
6. WB RT CD	2	6 x 50(Q)	3-6-3	810.9	2.2
7. SB CCO	4	6 x 6	7	507.1	3.6
8. SB LT CD	4	6 x 50(Q)	3-6-3	851.3	3.1
9. SB RT CD A	OLA	6 x 50(Q)	3-6-3	848.0	3.0
10. SB RT CD B	OLA	6 x 30(Q)	3-6-3	850.2	3.1

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊛=SEE DETAIL "A"



IL 127 & US 50

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pwwork\pwwork\prestonme\d0417428\d876h65-ts-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 64.5383 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

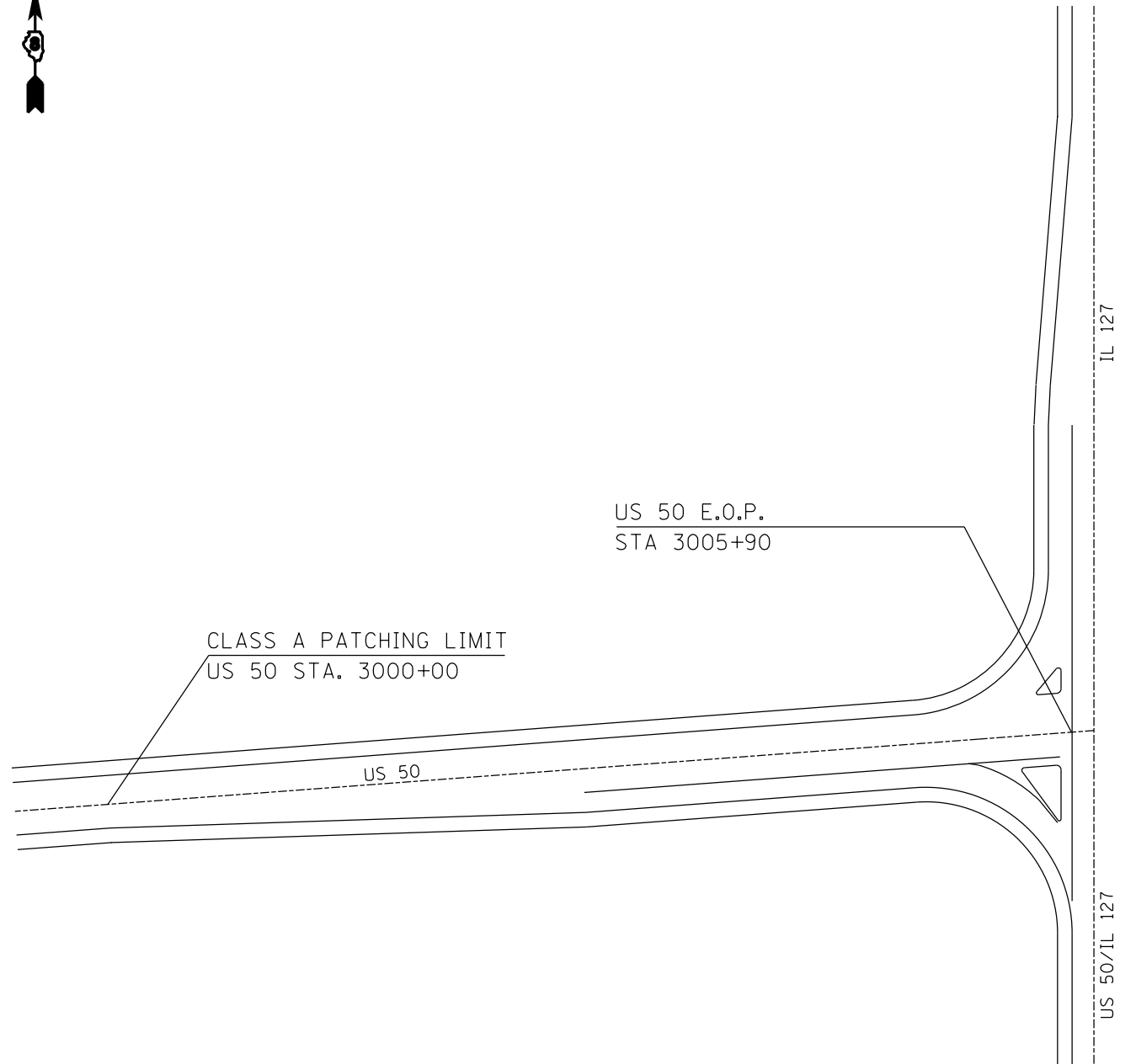
DETECTOR LOOP REPLACEMENT PLAN

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

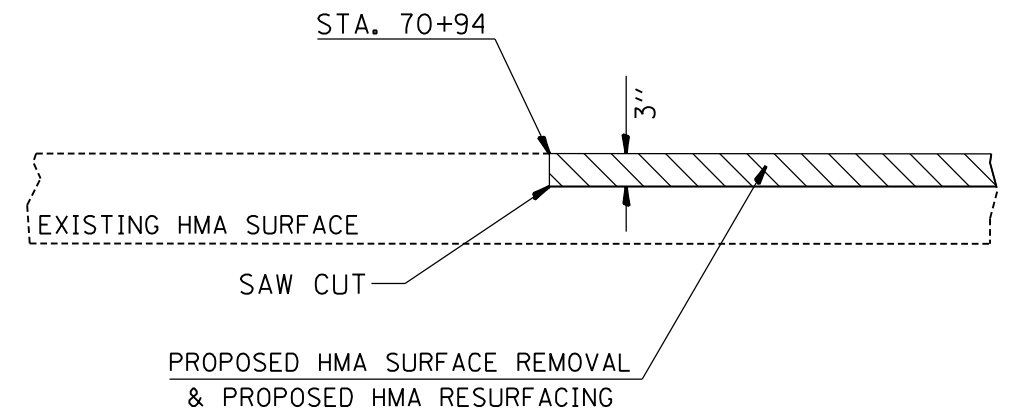
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42 327	(110,111,112,113)RS-5, 14-16-I	CLINTON	33	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H65	

US 50 PATCHING LIMITS DETAIL

PROPOSED HMA RESURFACING DETAIL



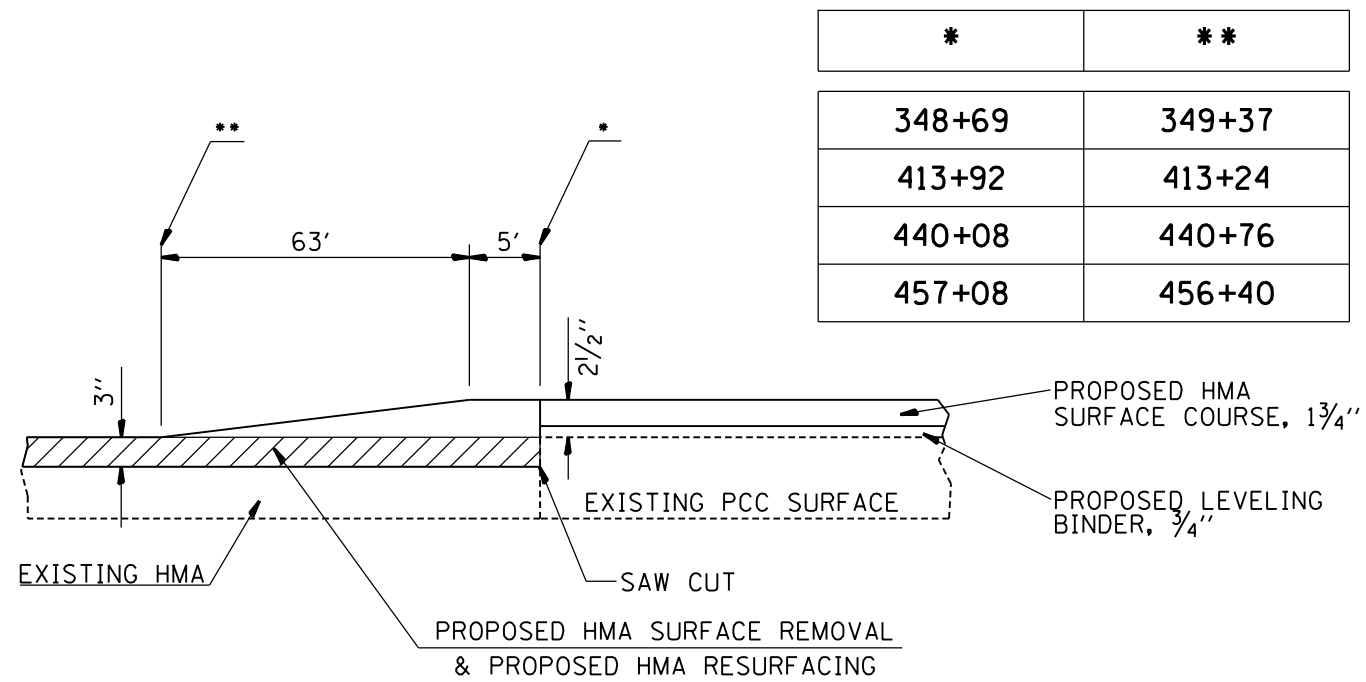
NOT TO SCALE



NOT TO SCALE

FILE NAME =	USER NAME = lopez_jc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 50 PATCHING LIMIT DETAIL/HMA RESURFACING DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\lopez_jc\d0417428\d876\65-sh-t-plan.dgn	DRAWN -	REVISED -	42/327			(110,111,112,113)RS-5, 14-16-1	CLINTON	33	27	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 76H65							
PLOT DATE = 3/20/2015	DATE -	REVISED -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							

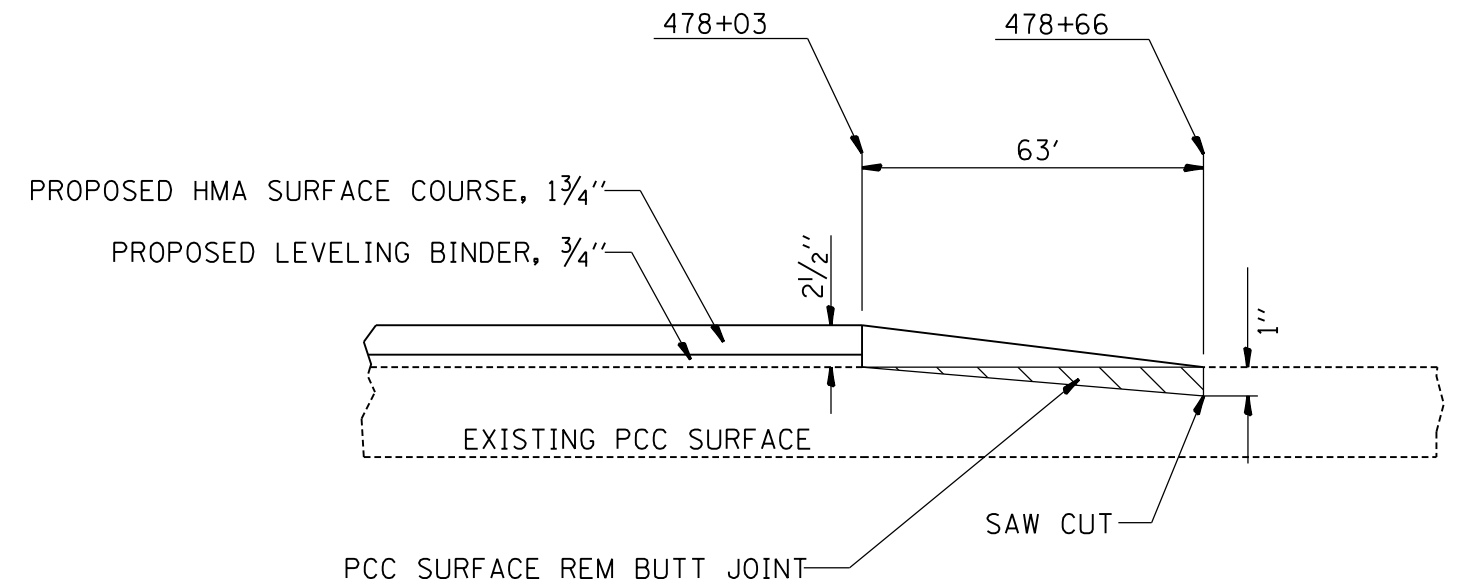
PCC TO HMA TRANSITION DETAIL



*	**
348+69	349+37
413+92	413+24
440+08	440+76
457+08	456+40

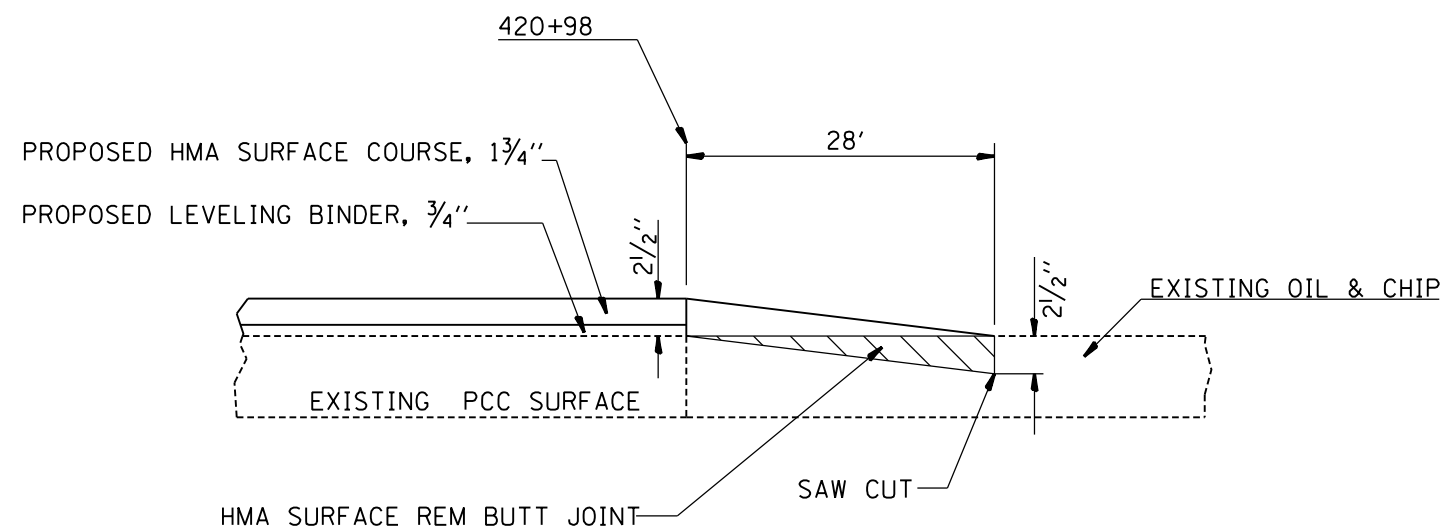
NOT TO SCALE

PROPOSED PCC BUTT JOINT



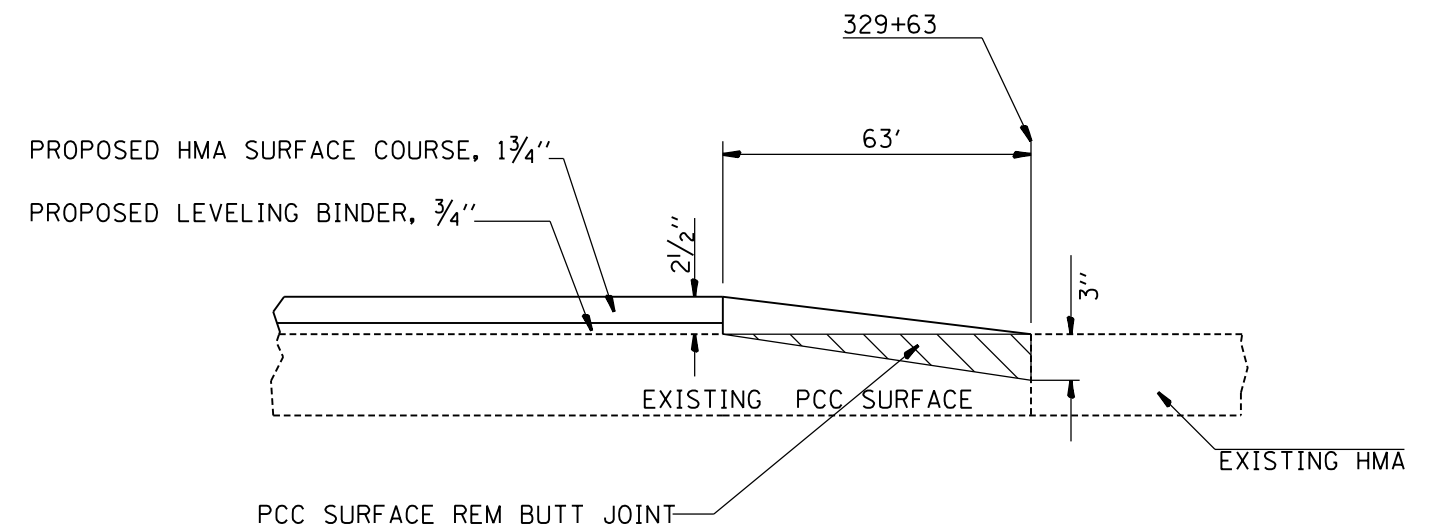
NOT TO SCALE

PROPOSED SIDE ROAD HMA BUTT JOINT



NOT TO SCALE

PROPOSED PCC BUTT JOINT AT CULVERT

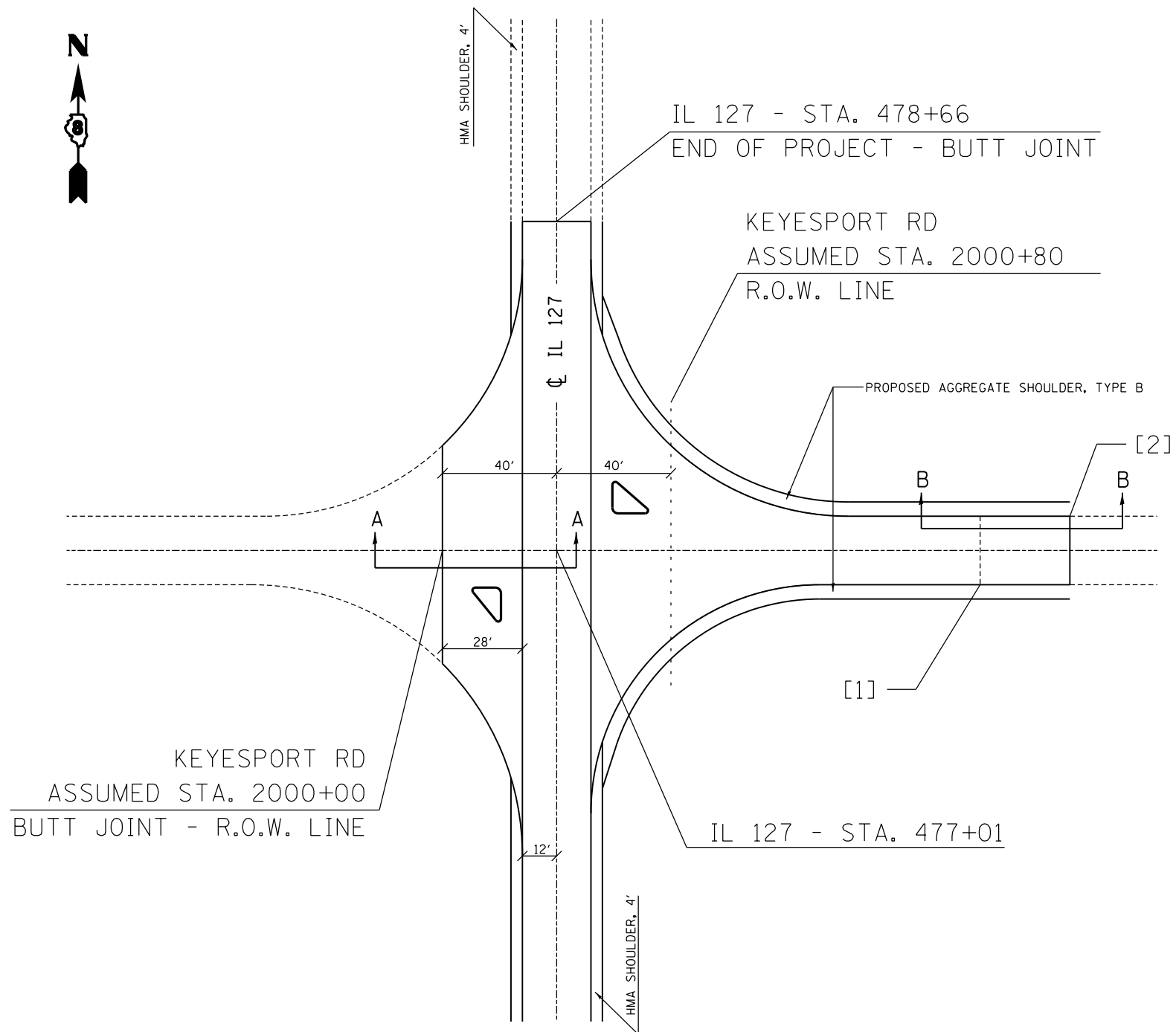


NOT TO SCALE

NOTE:

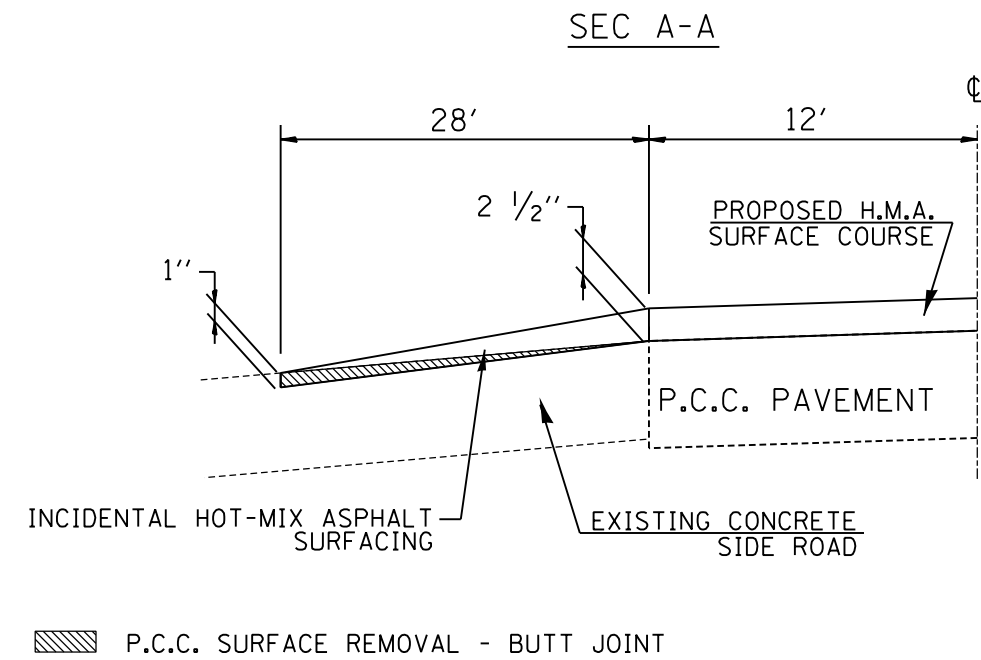
BUTT JOINT AT THIS LOCATION IS INTENDED TO END AT PCC IN ORDER TO AVOID PLACING ANY ADDITIONAL OVERLAY ON TOP OF THE BOX CULVERT.

PROPOSED KEYESPORT RD BUTT JOINT DETAILS

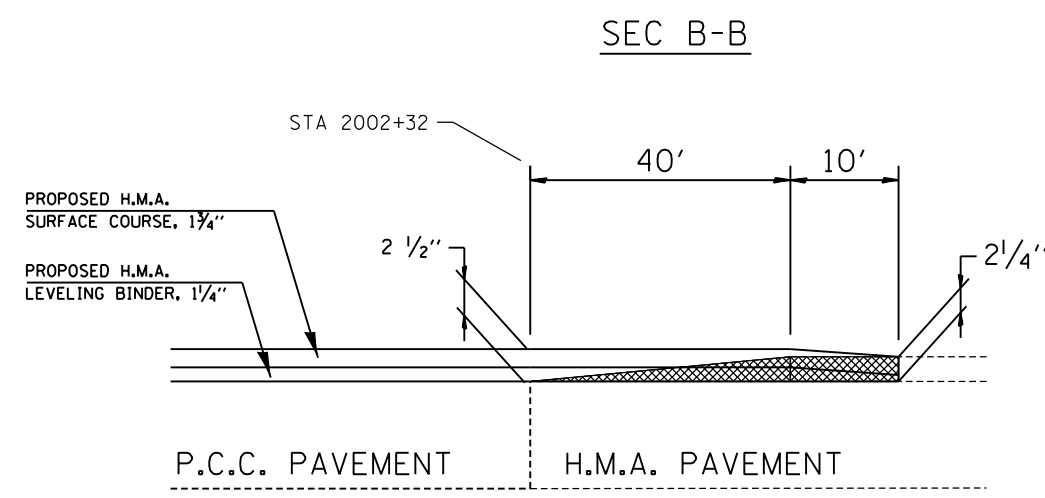


- NOTES**
- [1] KEYESPORT RD EXISTING BUTT JOINT - ASSUMED STATION 2002+32
 - [2] KEYESPORT RD PROPOSED END OF RESURFACING - ASSUMED STATION 2002+82

NOT TO SCALE



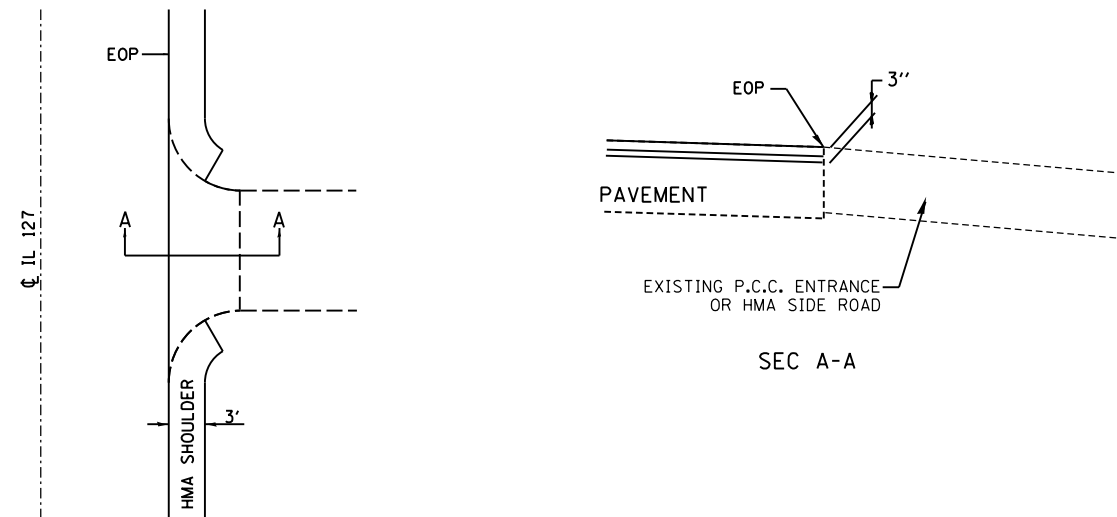
NOT TO SCALE



NOT TO SCALE

FILE NAME =	USER NAME = lopez jc	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	KEYESPORT ROAD BUTT JOINT DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\lopez jc\d0417428\d87665-sh1-plan.dgn	DRAWN -	REVISD -	42/327			(110,111,112,113)RS-5, 14-16-1	CLINTON	33	29	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISD -	CONTRACT NO. 76H65							
PLOT DATE = 3/20/2015	DATE -	REVISD -	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							

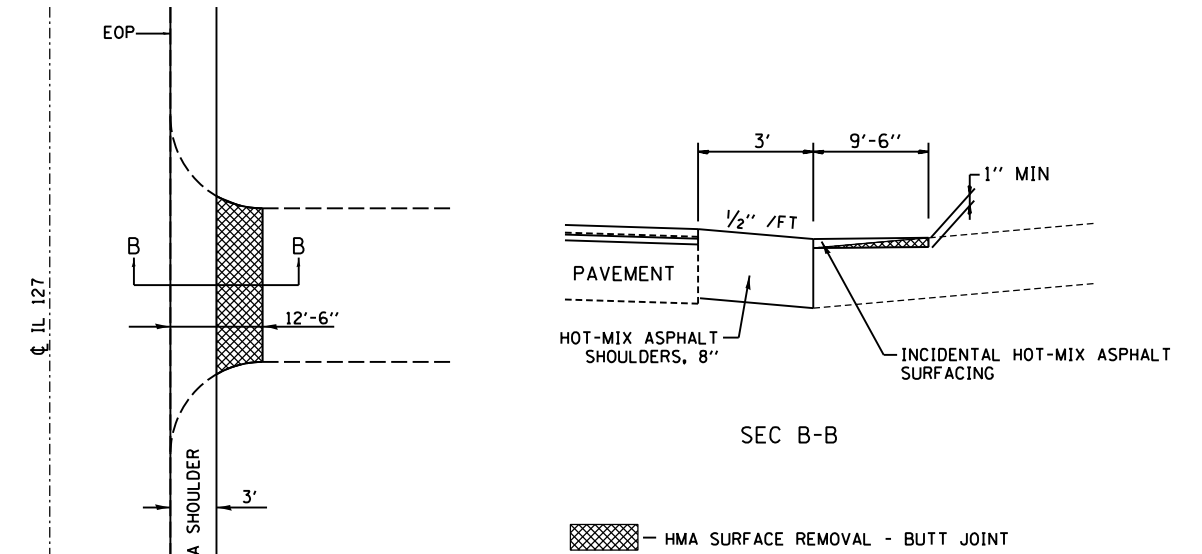
PROPOSED PCC ENTRANCE /HMA SIDE ROAD DETAIL



NOTES
THIS DETAIL APPLIES TO THE AREAS WHERE H.M.A. PAVEMENT IS TO BE MILLED AND RESURFACED

NOT TO SCALE

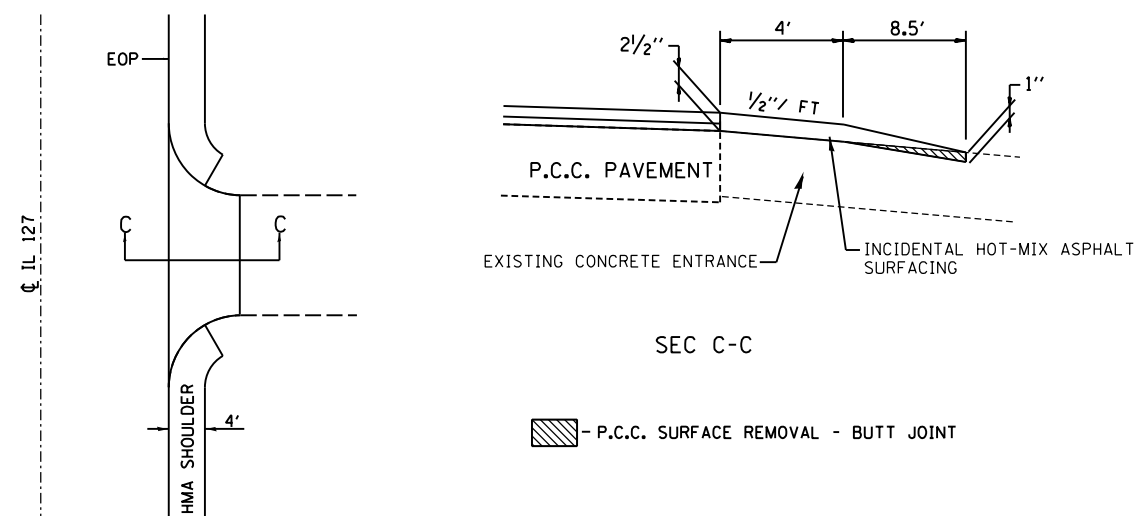
PROPOSED HMA ENTRANCE DETAIL



NOTES
THIS DETAIL APPLIES TO THE AREAS WHERE H.M.A. PAVEMENT IS TO BE MILLED AND RESURFACED

NOT TO SCALE

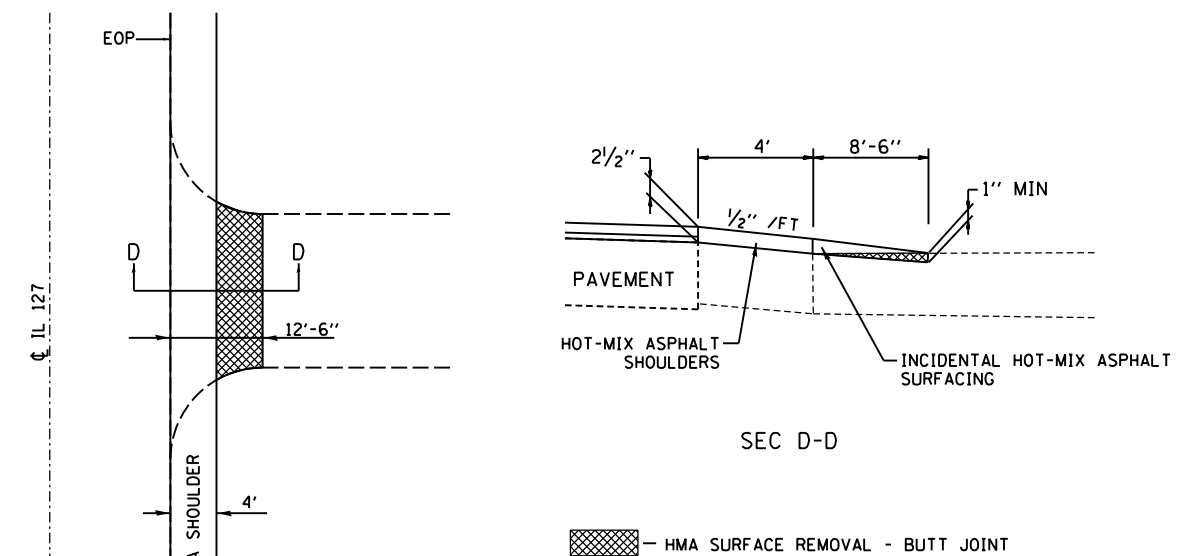
PROPOSED PCC ENTRANCE DETAIL



NOTES
THIS DETAIL APPLIES TO THE AREAS WHERE P.C.C. PAVEMENT IS TO BE RESURFACED

NOT TO SCALE

PROPOSED HMA ENTRANCE DETAIL



NOTES
THIS DETAIL APPLIES TO THE AREAS WHERE P.C.C. PAVEMENT IS TO BE RESURFACED

NOT TO SCALE

FILE NAME =	USER NAME = lopez_jc	DESIGNED -	REVISED -
ca:\pwork\pwork\lopez_jc\d0417428\d876\65-sh-t-plan.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

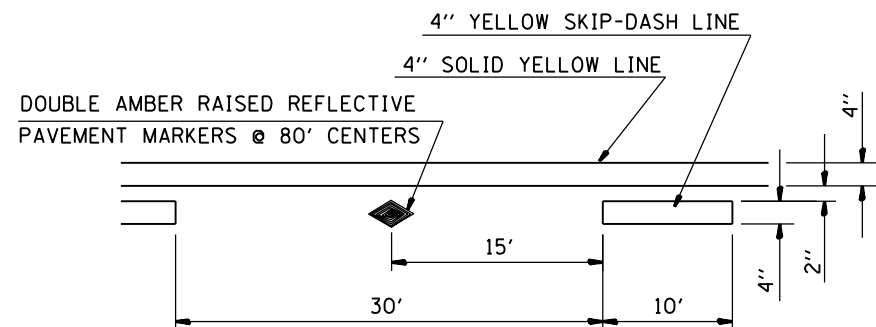
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE BUTT JOINT DETAILS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

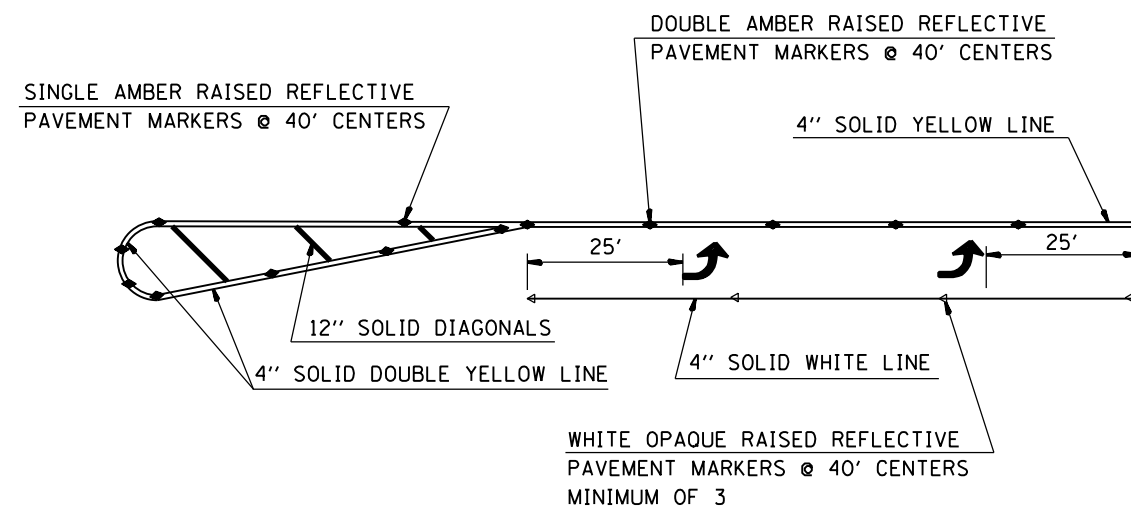
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42/327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	30
CONTRACT NO. 76H65				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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



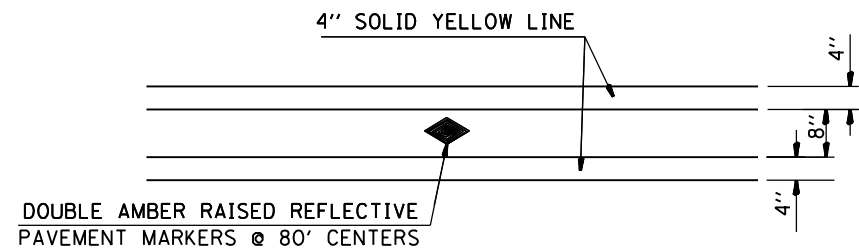
NOT TO SCALE

TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



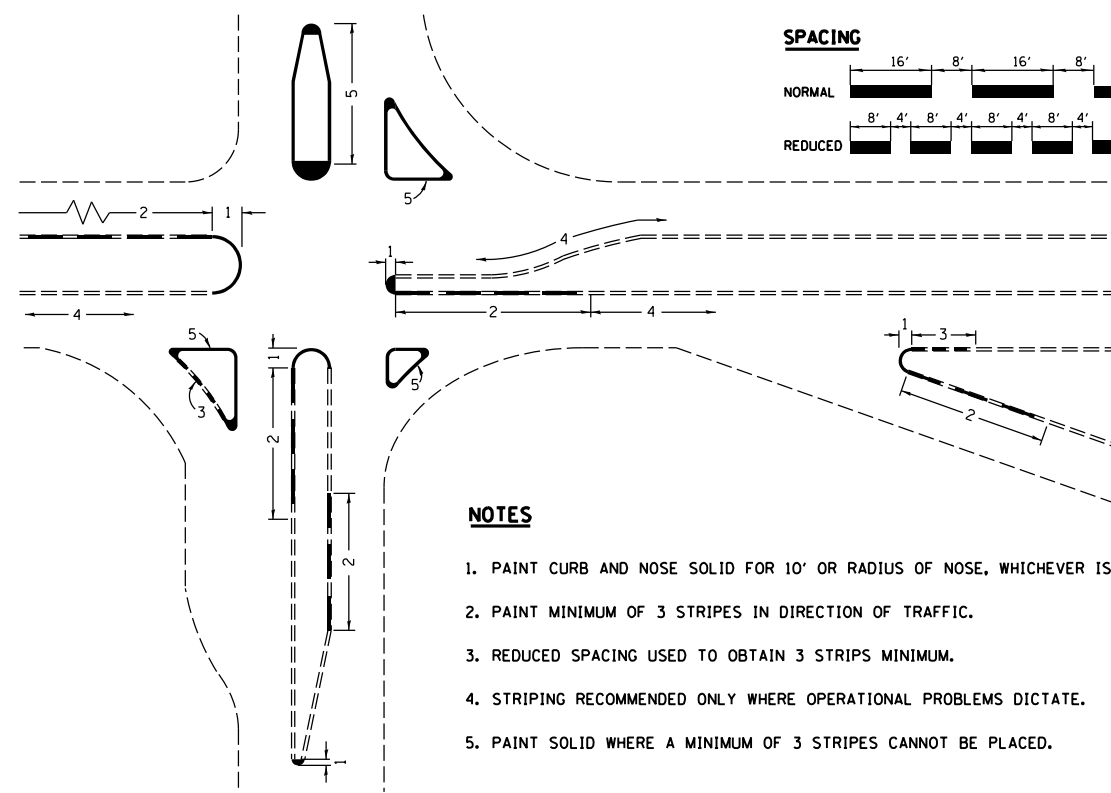
NOT TO SCALE

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



NOT TO SCALE

TYPICAL APPLICATION FOR CURB MARKING



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

NOT TO SCALE

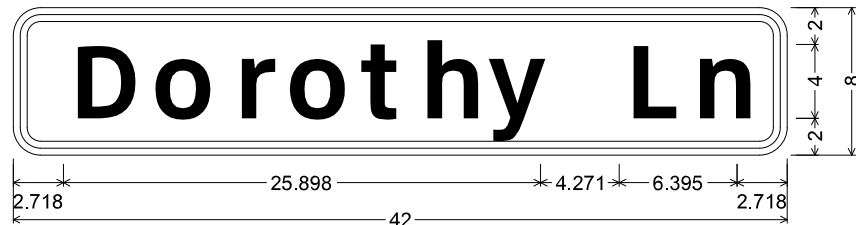
FILE NAME =	USER NAME = lopez jc	DESIGNED -	REVISD -
ca:\pwork\pwork\lopez jc\d0417428\d876\65-sh1-plen.dgn		DRAWN -	REVISD -
PLOT SCALE = 100.0000' / 11.		CHECKED -	REVISD -
PLOT DATE = 3/20/2015		DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

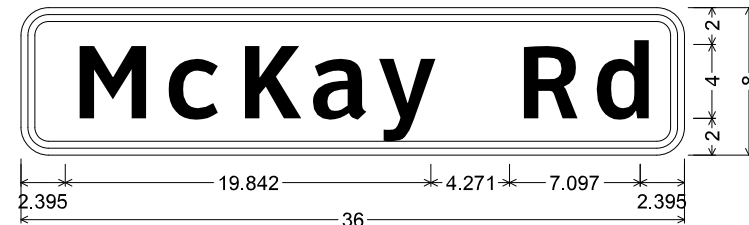
PAVEMENT MARKING DETAILS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

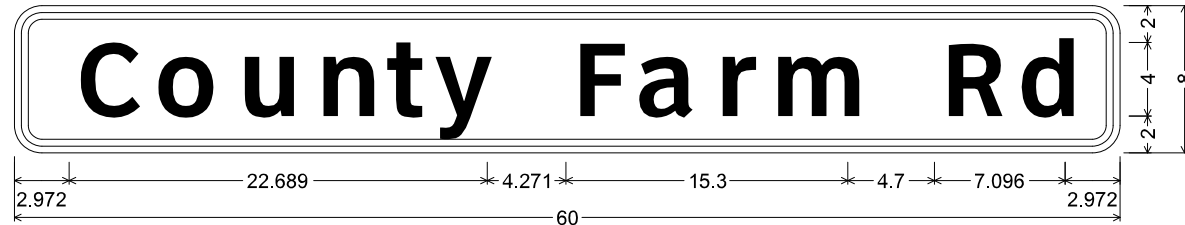
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42/327	(110,111,112,113)RS-5, 14-16-1	CLINTON	33	31
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H65	



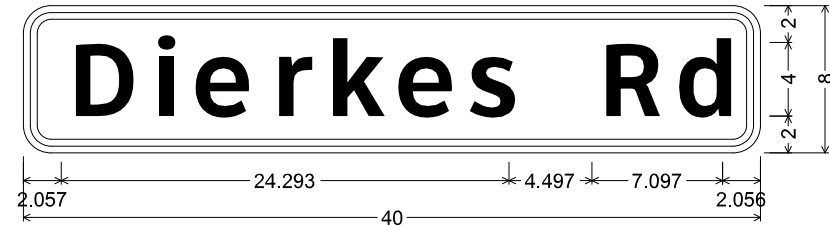
Dorothy Ln; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Dorothy Ln] ClearviewHwy-5-W;



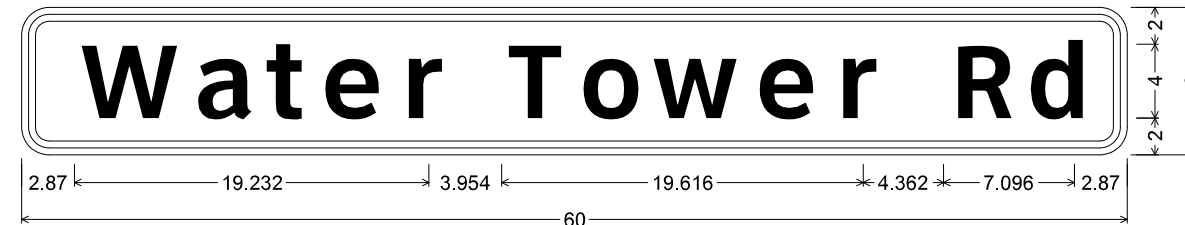
McKay Rd;
1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[McKay Rd] ClearviewHwy-5-W;



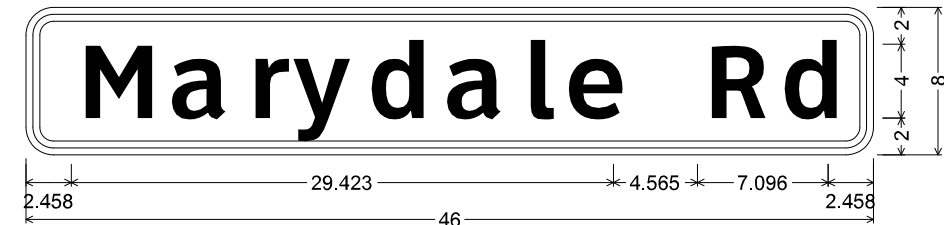
County Farm Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[County Farm Rd] ClearviewHwy-5-W;



Dierkes Rd;
1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Dierkes Rd] ClearviewHwy-5-W;



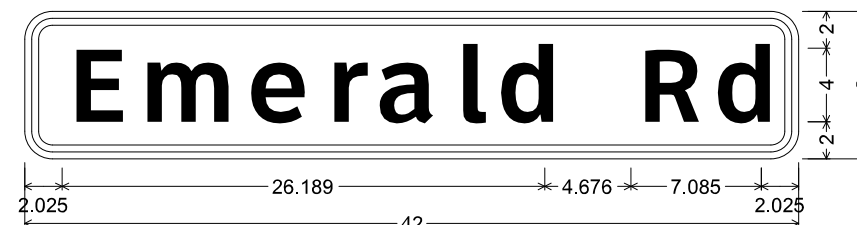
Water Tower Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Water Tower Rd] ClearviewHwy-5-W;



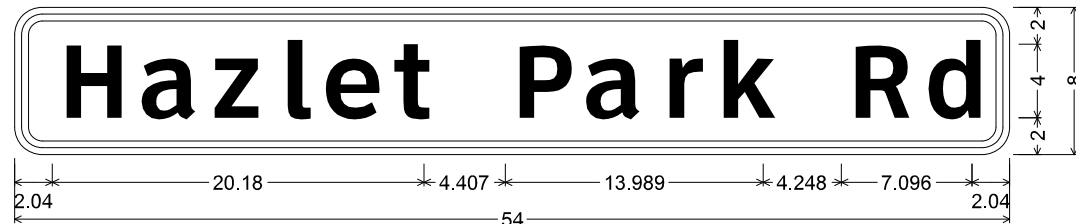
Marydale Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Marydale Rd] ClearviewHwy-5-W;



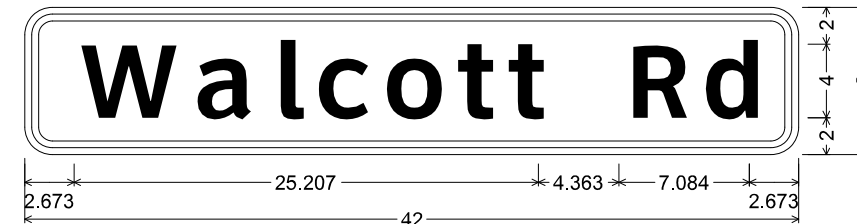
Wringe Rd;
1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Wringe Rd] ClearviewHwy-5-W;



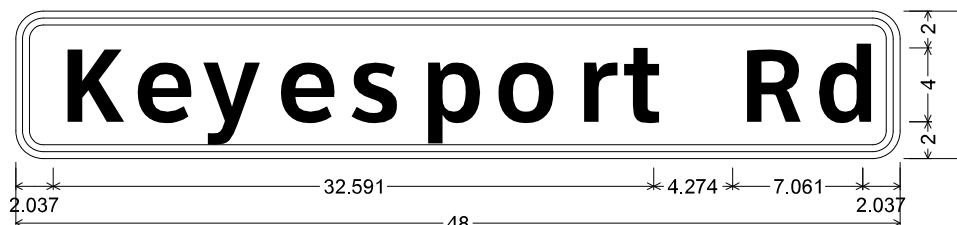
Emerald Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Emerald Rd] ClearviewHwy-5-W 99% spacing;



Hazlet Park Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Hazlet Park Rd] ClearviewHwy-5-W;



Walcott Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Walcott Rd] ClearviewHwy-5-W 99% spacing;

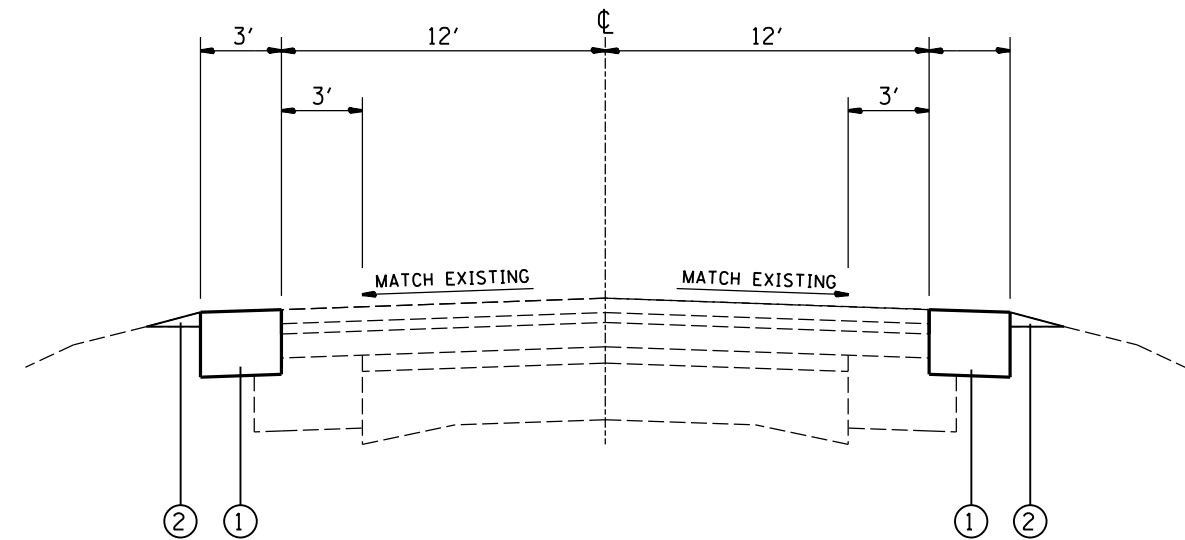


Keyesport Rd; 1.500" Radius, 0.375" Border, 0.375" Indent, Black on Yellow;
[Keyesport Rd] ClearviewHwy-5-W 97% spacing;

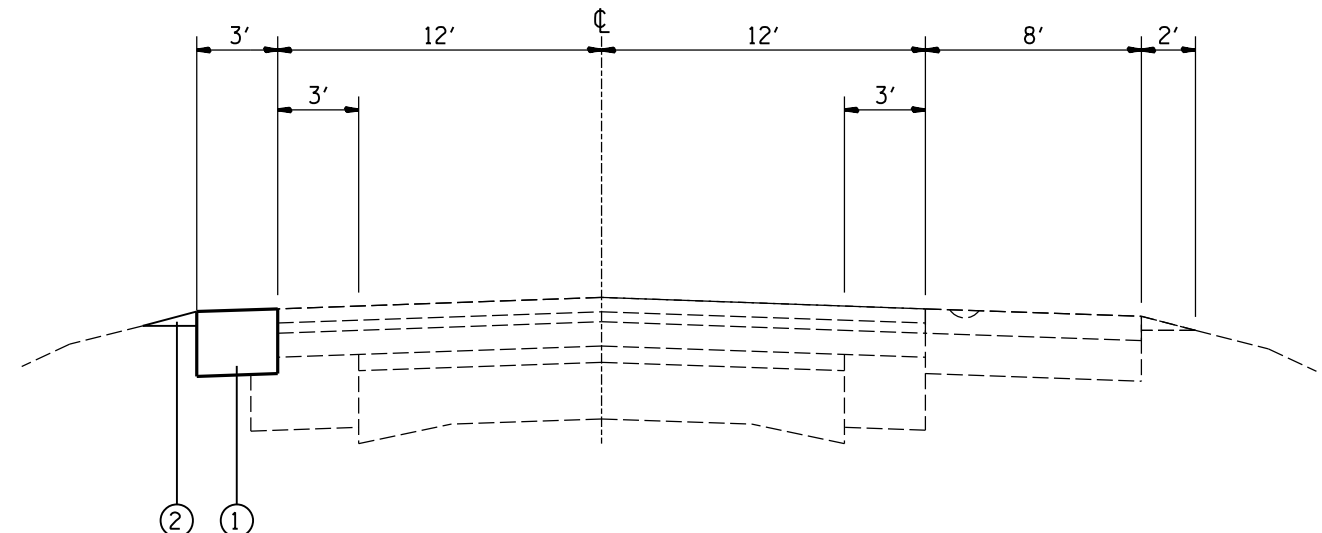
FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___ DRAWN - ___	REVISED - ___ REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = *SCALE*	CHECKED - ___ DATE - ___	REVISED - ___ REVISED - ___		SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	42/327	(110,111,112,113)RS-5, 14-16I	CLINTON	32	33
	PLOT DATE = *DATE*							CONTRACT NO. 76H65				

EROSION AND SETTLEMENT CONTROL

1. THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN THE NPDES FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF- SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS OR DOWNSTREAM AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORTED OFF THE JOB SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON -SITE RUNOFF DOES NOT MIX WITH THE OFF- SITE RUNOFF.
5. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF- SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
6. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL STABILIZED USING PERMANENT MEASURES.
7. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY SEVEN DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2 INCH.
8. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.



TYPICAL EROSION CONTROL SECTION
 STA. 71+48 TO STA. 329+53
 STA. 348+69 TO STA. 413+92



TYPICAL EROSION CONTROL SECTION
 STA. 70+94 TO STA. 71+48

LEGEND

- ① PROPOSED HMA SHOULDER, 8"
- ② PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = lopez.jc	DESIGNED - RJF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\lopez.jc\d0417428\d8765-sh-t-plan-a.dgn	DRAWN - RJF	REVISED -	42/327					(110,111,112,113)RS-5, 14-16-1	CLINTON	33	33	
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -	CONTRACT NO. 76H65									
PLOT DATE = 3/20/2015	DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT									