

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 116 (IL. RTE. 130)  
SECTION (F-X)RS-2, (113,120)RS-2  
PROJECT STP-CSPV(535)  
SMART OVERLAY  
CUMBERLAND COUNTY

C-97-108-20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	1
		ILLINOIS	CONTRACT NO. 74A19	

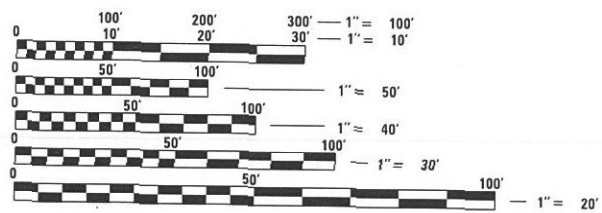
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATION:  
STA. 734 + 79.80 (BK) =  
STA. 735 + 05.20 (AH)

PAVING OMISSIONS:  
STA. 478 + 13.00 TO STA. 478 + 47.00 (RT 40)  
STA. 497 + 73.00 TO STA. 499 + 48.00 (BRIDGE)  
STA. 706 + 63.00 TO STA. 709 + 64.00 (BRIDGE)

F.A.P. ROUTE 116 (IL. RTE. 130)  
SECTION (F-X)RS-2, (113,120)RS-2  
CUMBERLAND COUNTY  
BEGINS STATION 465 + 34.00

2019 ADT = 3200

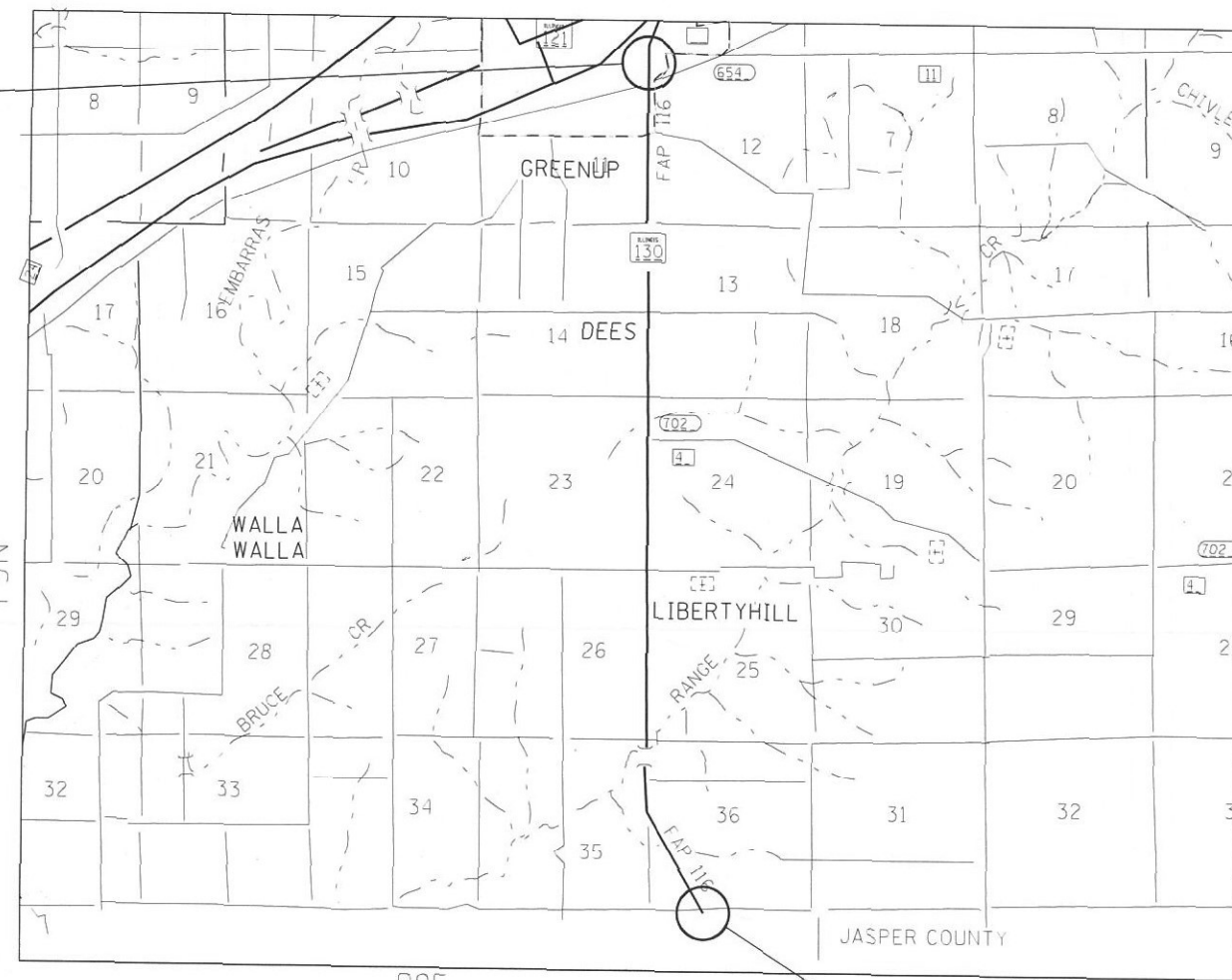


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TOM RONAN  
PROJECT MANAGER: BRYAN HARRINGTON

CONTRACT NO. 74A19



GROSS LENGTH = 29,641.0 FT. = 5.61 MILE  
NET LENGTH = 29,306 FT. = 5.55 MILE

F.A.P. ROUTE 116 (IL. RTE. 130)  
SECTION (F-X)RS-2, (113,120)RS-2  
CUMBERLAND COUNTY  
ENDS STATION 762 + 00.00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 13 20 21  
Jeff P. Myrka  
REGIONAL ENGINEER

February 4 2022  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

February 4 2022  
Stephen M. [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

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OF THE STATE OF ILLINOIS

# INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
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8-10	SCHEDULE OF QUANTITIES
11-20	PLAN SHEETS
21-22	ENTRANCE SCHEDULES AND DETAILS
23	SURVEY MARKER VAULT

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 23:

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' FROM PAVEMENT EDGE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE 2L, 2W, DAY ONLY
701306-04	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS = 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS
001006	DECIMAL OF AN INCH AND OF A FOOT

# GENERAL NOTES

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B AND AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP MATERIAL.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

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

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 (1.5")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	QCP
INCIDENTAL HMA SURFACE COURSE	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QCQA
CLASS "D" PATCHING	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	QCQA

NOTE: SHOULDERS ARE TO BE PAVED AT THE SAME TIME AS PAVING, SO THE MIX DESIGN SHOULD BE THE SAME AS MAINLINE PAVEMENT.

HOT MIX ASPHALT	112 LBS/SQ YD/IN
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT
GRANULAR MATERIAL	2.05 TONS/CU YD

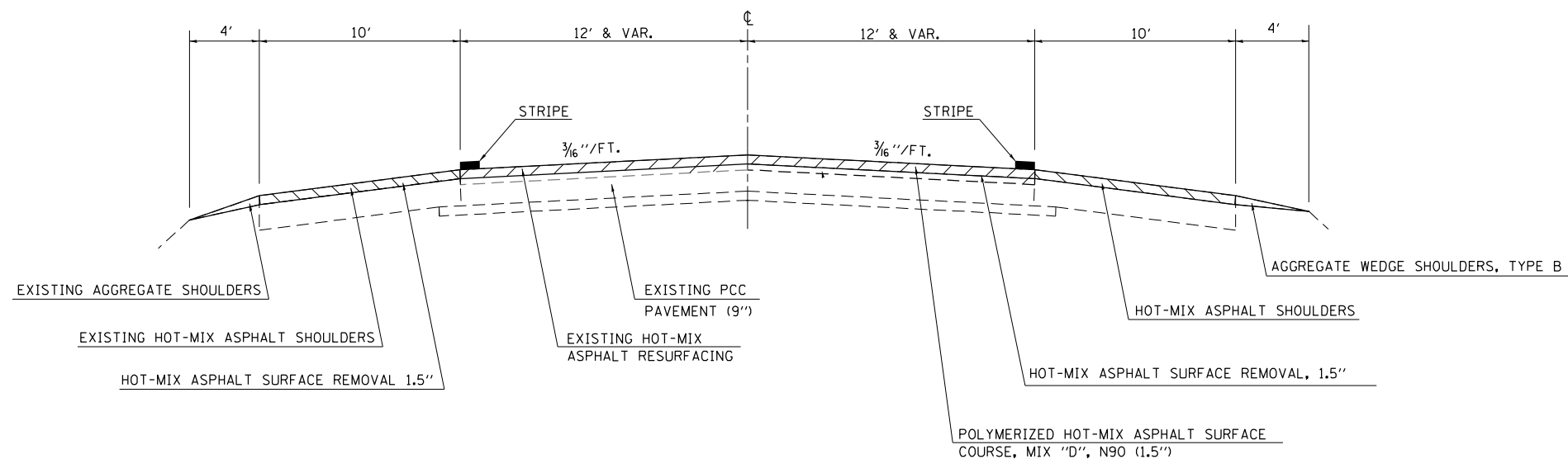
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### TYPICAL CROSS SECTION

STATION 465+34 TO STATION 478+47

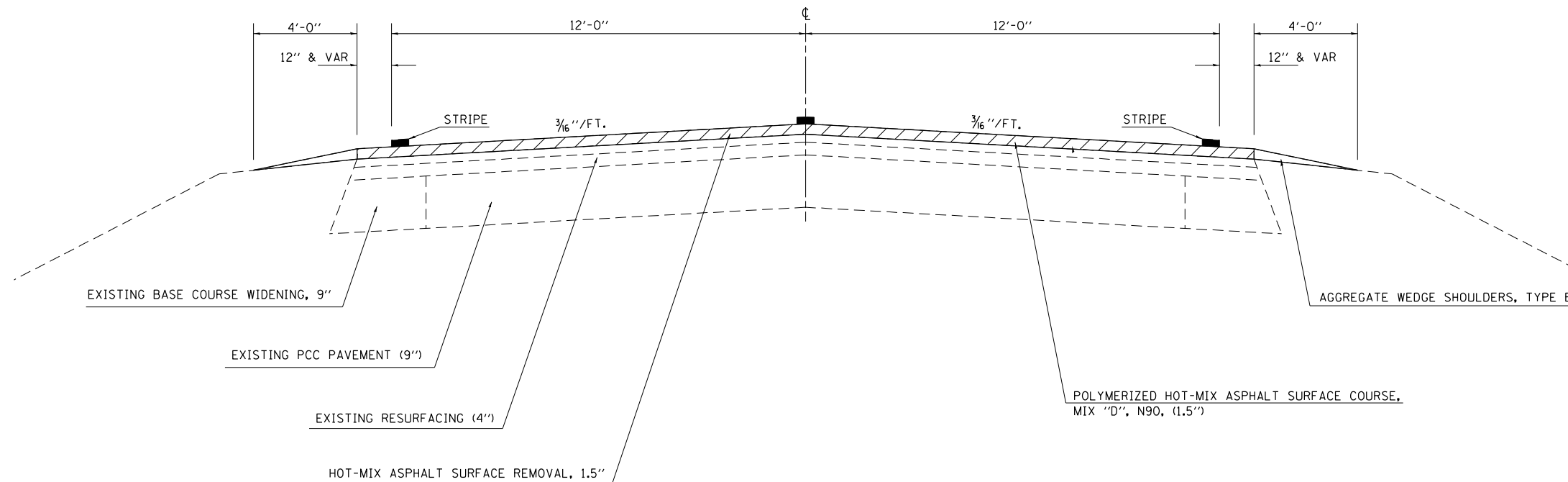


### TYPICAL CROSS SECTION

STATION 478+47 TO STATION 494+75  
 STATION 497+73 TO STATION 499+48 (BRIDGE OMISSION)  
 STATION 503+83 TO STATION 653+80

STATION 661+44 TO STATION 667+19  
 STATION 679+09 TO STATION 699+45  
 STATION 706+28 TO STATION 709+64 (BRIDGE OMISSION)

STATION 719+50 TO STATION 722+90  
 STATION 736+01 TO STATION 740+40  
 STATION 750+85 TO STATION 762+00



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	PLOT DATE = 12/10/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

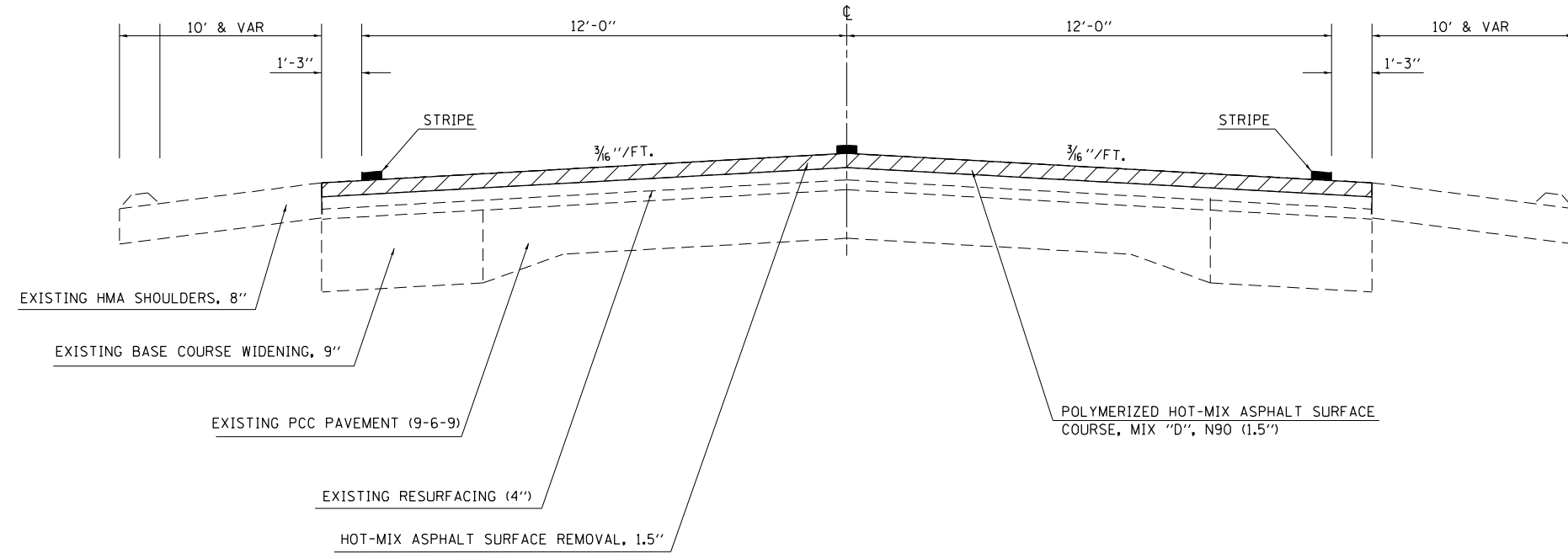
**TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-1, (113.120)RS-1	CUMBERLAND	23	5
CONTRACT NO.			74A19	
ILLINOIS FED. AID PROJECT				

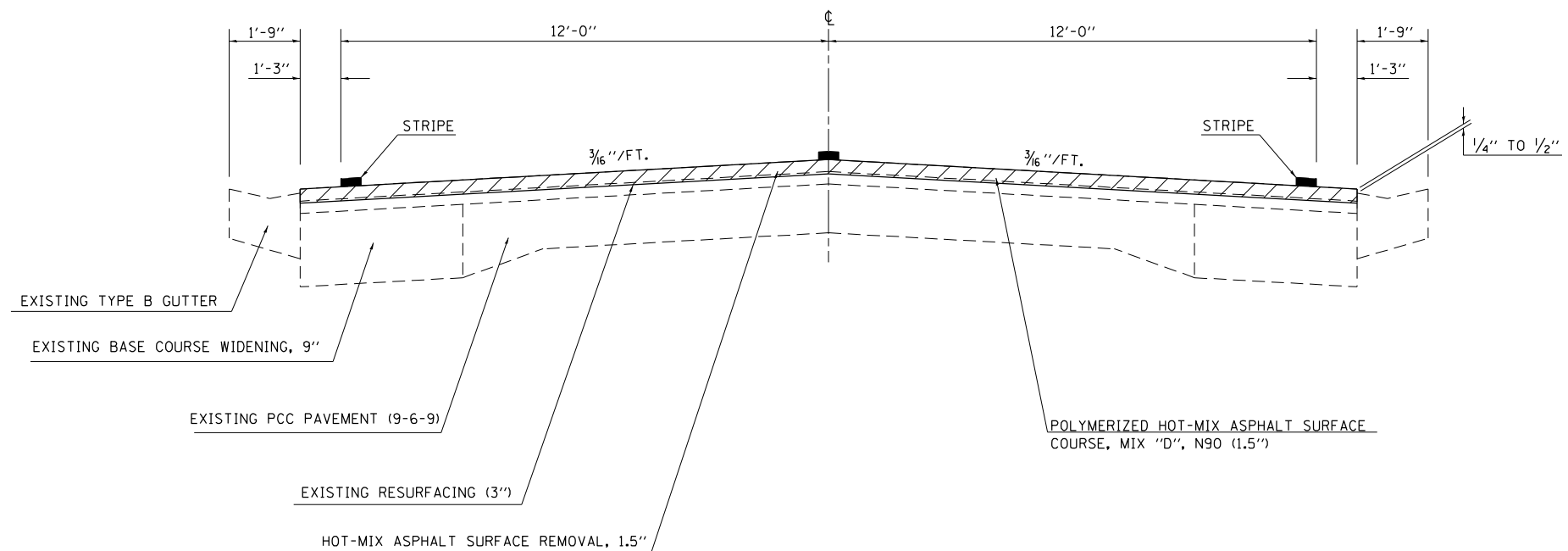
### TYPICAL CROSS SECTION

STATION 494+75 TO STATION 497+73  
STATION 499+48 TO STATION 503+83



### TYPICAL CROSS SECTION

STATION 653+80 TO STATION 661+44  
STATION 667+19 TO STATION 679+09  
STATION 714+46 TO STATION 715+50  
STATION 722+98 TO STATION 723+21.5  
STATION 740+40 TO STATION 750+85



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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

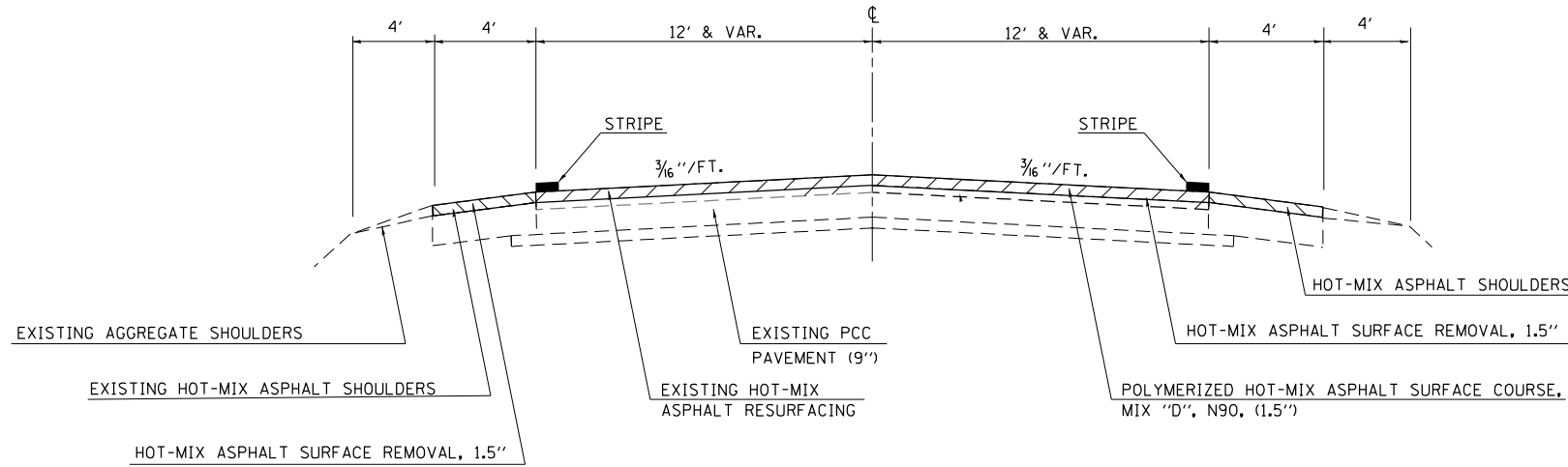
#### TYPICAL CROSS SECTIONS

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CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	

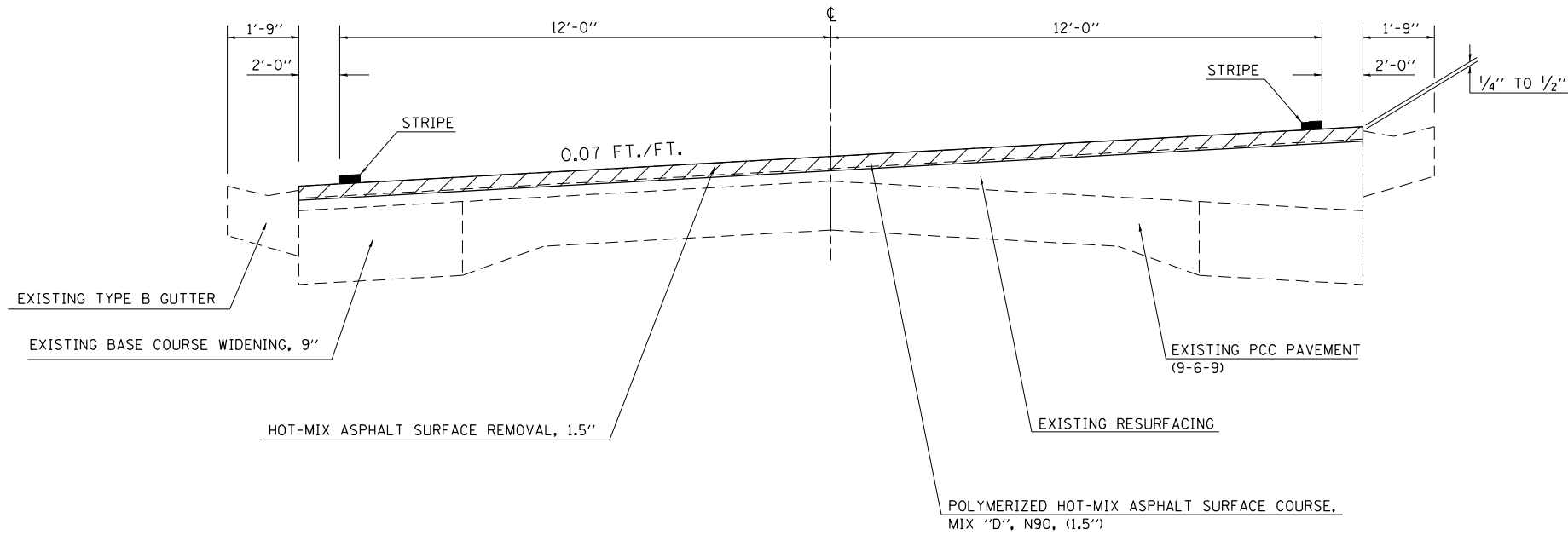
### TYPICAL CROSS SECTION

STATION 699+45 TO STATION 706+28  
 STATION 709+64 TO STATION 714+46  
 STATION 715+50 TO STATION 722+98



### TYPICAL CROSS SECTION

STATION 723+21.5 TO STATION 736+01



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PLOT SCALE = 40.0000' / in.		DATE -	REVISED -		SCALE: NA			SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 74A19		
PLOT DATE = 12/10/2021					ILLINOIS FED. AID PROJECT							

STATION	TO	STATION	LENGTH	AVERAGE PAVEMENT WIDTH	AVERAGE SHOULDER WIDTH	AREA OF PAVEMENT	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" 44000155		BITUMINOUS MATERIALS (TACK COAT) 40600290	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 40604164	HOT-MIX ASPHALT SHOULDERS 48203100	LONGITUDINAL JOINT SEALANT 40600370	AGGREGATE WEDGE SHOULDERS, TYPE B 48102100	TEMPORARY RAMP 40600990
			FOOT	FOOT		SQ FT	SQ YD	SQ YD SHLD	POUNDS	TON	TON	FOOT	TON	SQ YD
465+34	TO	465+84	50.0	26.00	20.00	1300.0	144.4	111.1	115.0	12.1	9.3	50.0	3.2	43.3
465+84	TO	469+16	332.0	26.00	10.00	8632.0	959.1	368.9	597.6	80.6	31.0	332.0	21.0	0.0
469+16	TO	470+51	135.0	26.00	10.00	3510.0	390.0	150.0	243.0	32.8	12.6	135.0	0.0	0.0
470+51	TO	472+15	164.0	26.00	10.00	4264.0	473.8	182.2	295.2	39.8	15.3	164.0	0.0	0.0
472+15	TO	478+13	598.0	26.00	10.00	15548.0	1727.6	664.4	1076.4	145.1	55.8	598.0	0.0	0.0
478+13	TO	478+47	34.0						OMISSION					43.3
478+47	TO	494+75	1628.0	26.00	0.00	42328.0	4703.1	0.0	2116.4	395.1	0.0	1628.0	0.0	0.0
494+75	TO	497+73	298.0	26.50	0.00	7897.0	877.4	0.0	394.9	73.7	0.0	298.0	18.9	0.0
497+73	TO	499+48	175.0						OMISSION					88.3
499+48	TO	503+83	435.0	26.50	0.00	11527.5	1280.8	0.0	576.4	107.6	0.0	435.0	27.5	0.0
503+83	TO	653+80	14997.0	26.00	0.00	389922.0	43324.7	0.0	19496.1	3639.3	0.0	14997.0	948.9	0.0
653+80	TO	661+44	764.0	26.50	0.00	20246.0	2249.6	0.0	1012.3	189.0	0.0	764.0	0.0	0.0
661+44	TO	667+19	575.0	26.00	0.00	14950.0	1661.1	0.0	747.5	139.5	0.0	575.0	36.4	0.0
667+19	TO	679+09	1190.0	26.50	0.00	31535.0	3503.9	0.0	115.0	294.3	0.0	1190.0	0.0	0.0
679+09	TO	699+45	2036.0	26.00	0.00	52936.0	5881.8	0.0	115.0	494.1	0.0	2036.0	0.0	0.0
699+45	TO	706+28	683.0	24.00	8.00	16392.0	1821.3	607.1	1092.8	153.0	51.0	683.0	0.0	0.0
706+28	TO	706+63	35.0	26.00	0.00	910.0	101.1	0.0	115.0	8.5	0.0	35.0	0.0	0.0
706+63		709+64	301.0						OMISSION					88.3
709+64	TO	719+50	986.0	26.50	8.00	26129.0	2903.2	876.4	115.0	243.9	73.6	986.0	0.0	0.0
719+50	TO	722+98	348.0	26.00	0.00	9048.0	1005.3	0.0	115.0	84.4	0.0	348.0	0.0	0.0
722+98	TO	734+80	1182.0	28.00	0.00	33096.0	3677.3	0.0	1654.8	308.9	0.0	1182.0	74.8	0.0
734+80 = 735+05									STA EQ.					
735+05	TO	736+01	96.0	28.00	0.00	2688.0	298.7	0.0	134.4	25.1	0.0	96.0	0.0	0.0
736+01	TO	740+40	439.0	26.00	0.00	11414.0	1268.2	0.0	115.0	106.5	0.0	439.0	0.0	0.0
740+40	TO	750+85	1045.0	28.00	0.00	29260.0	3251.1	0.0	1463.0	273.1	0.0	1045.0	0.0	0.0
750+85	TO	762+00	1115.0	26.00	0.00	28990.0	3221.1	0.0	1449.5	270.6	0.0	1115.0	2.2	43.3
							84724.7	2960.2						
TOTALS			29641.0			762523.0	87684.9		33155.0	7117.0	249.0	29131.0	1133.0	307.0





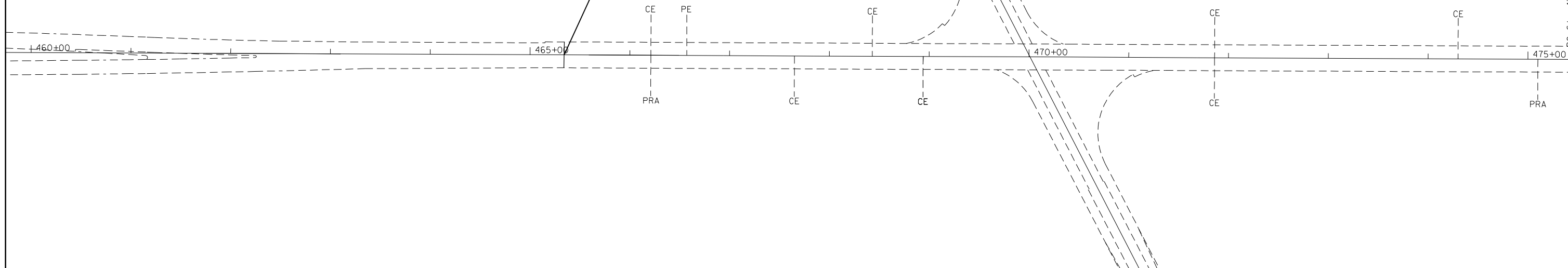
SURVEY MARKER SCHEDULE								
POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	PERMANENT SURVEY MARKERS, TYPE I	PROTECTING OR RESETTING SURVEY MARKERS	SURVEY MARKER VAULT
						EACH	EACH	EACH
999	913498.224	1035880.411	746+22.73	0	DISK FLUSH IN CL IL 130 (POT)	1		
1000	914452.875	1035299.53	734+76.95 BK 735+05.20AH	0.0	DISK FLUSH IN CL IL 130 (PT)	1		
1001	915426.525	1035020.526	724+51.95	0.0	DISK FLUSH IN CL IL 130 (PC)	1		
1002	916192.018	1035010.103	716+86.32	1.88 FT RT	DISK IN VAULT IN SB LANE IL 130 (SEC COR)		1	
1003	916378.435	1035009.986	715+00	0.0	DISK FLUSH IN IL 130. (DISK GONE BUT STEM REMAINS) (POT)	1		
1004	917513.031	1034996.307	703+56	1.0 FT RT	DISK IN VAULT IN SB LANE IL 130 (SEC COR)		1	
1005	919578.165	1034973.847	683+00	0.0	DISK FLUSH IN CL IL 130 (POT)	1		
1006	920206.311	1034965.059	676+29	1.7 FT RT	IP W/ ALUM. CAP IN SB LANE IL 130		1	1
1007	922889.867	1034936.757	649+46	0.0	DISK FLUSH IN CL IL 130	1		
1008	925563.677	1034922.673	622+58	4.0 FT LT	VAULT WITH NO LID. DISK BURIED 18" DEEP IN NB LANE IL 130		1	1
1009	930914.453	1034878.817	568+86	4.0 FT LT	DISK IN VAULT IN SB LANE IL 130	1		
1010	938952.092	1034745.804	487+85	0.0	VAULT IN CL IL 130 & CL "YORK" RD. UNABLE TO OPEN (SEC COR)	1		1
TOTALS						8	4	3

STA. 460+26 - STA. 475+48



EXIST. CURVE 1  
 PI STA. = 474+56.70  
 $\Delta = 2^\circ 17' 00''$  (LT)  
 $D = 0^\circ 21' 25''$   
 $R = 16,057.04'$   
 $T = 319.99'$   
 $L = 639.90'$   
 $E = 3.19'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 471+36.71$   
 $P.T. STA. = 477+76.61$

F.A.P. ROUTE 116 (IL. RTE. 130)  
 SECTION (F-X) RS-2, (113,120) RS-2  
 CUMBERLAND COUNTY  
 BEGINS STA. 465+34



STA. 475+48 - STA. 491+91

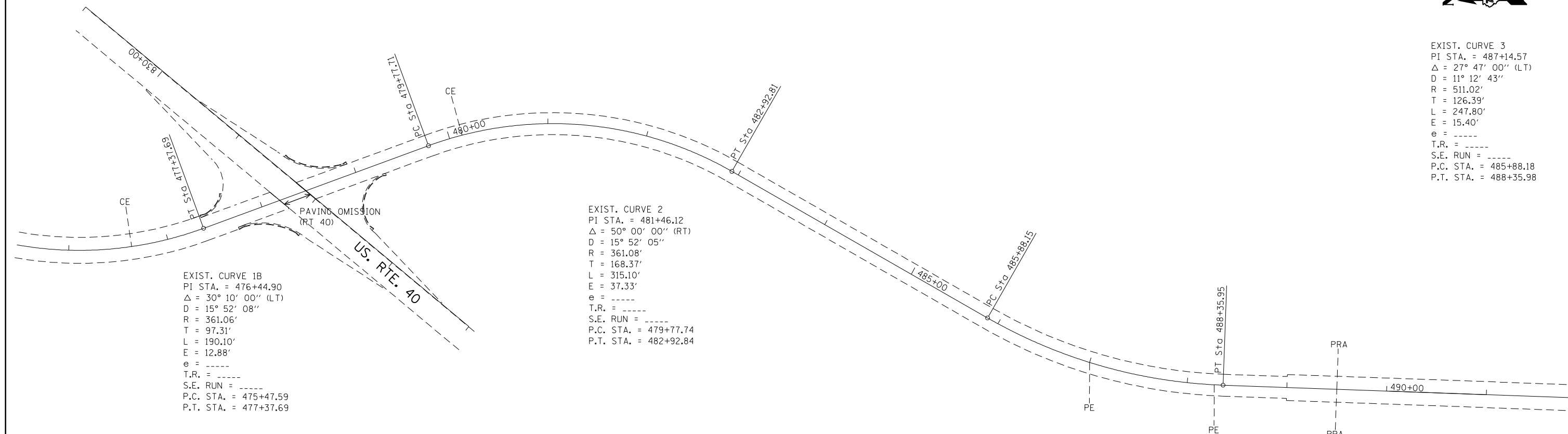


EXIST. CURVE 3  
 PI STA. = 487+14.57  
 $\Delta = 27^\circ 47' 00''$  (LT)  
 $D = 11^\circ 12' 43''$   
 $R = 511.02'$   
 $T = 126.39'$   
 $L = 247.80'$   
 $E = 15.40'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 485+88.18$   
 $P.T. STA. = 488+35.98$

EXIST. CURVE 2  
 PI STA. = 481+46.12  
 $\Delta = 50^\circ 00' 00''$  (RT)  
 $D = 15^\circ 52' 05''$   
 $R = 361.08'$   
 $T = 168.37'$   
 $L = 315.10'$   
 $E = 37.33'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 479+77.74$   
 $P.T. STA. = 482+92.84$

EXIST. CURVE 1B  
 PI STA. = 476+44.90  
 $\Delta = 30^\circ 10' 00''$  (LT)  
 $D = 15^\circ 52' 08''$   
 $R = 361.06'$   
 $T = 97.31'$   
 $L = 190.10'$   
 $E = 12.88'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 475+47.59$   
 $P.T. STA. = 477+37.69$

PAVING OMISSION  
 (RT 40)



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		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

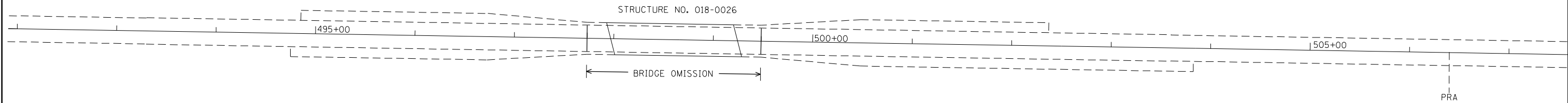
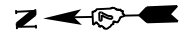
PLAN SHEETS

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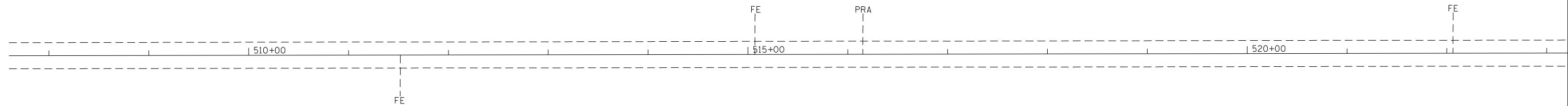
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CONTRACT NO.			74A19	

ILLINOIS FED. AID PROJECT

STA. 491+91 - STA. 507+60



STA. 507+60 - STA. 523+21



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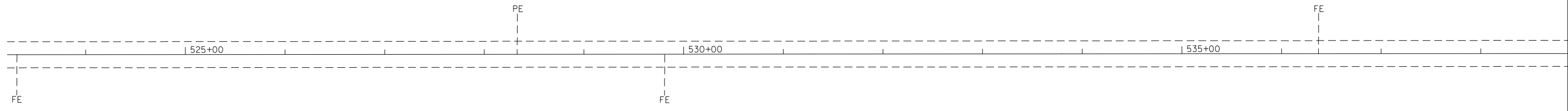
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

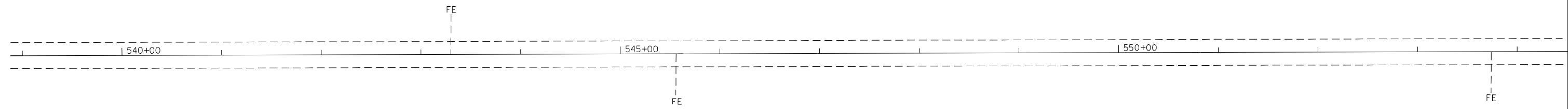
SCALE: 50      SHEET NO. 2 OF 10 SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	12
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	

STA. 523+21 - STA. 538+88

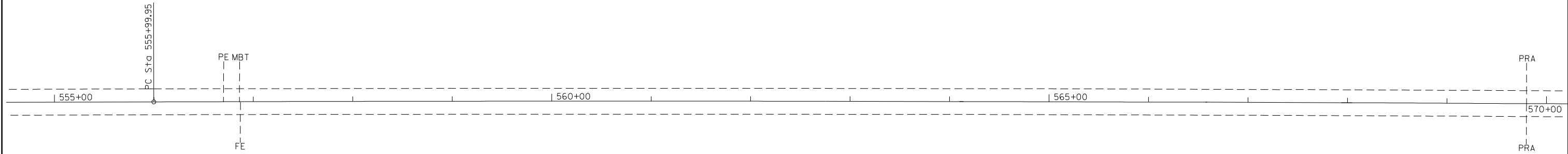


STA. 538+88 - STA. 554+51



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11dot-pw.bentley.com\PWIDOT\Documents\11DOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\74A19-sht-plan.dgn	DESIGNED -	REVISED -	116					(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	13	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 74A19									
PLOT DATE = 12/10/2021	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: 50	SHEET NO. 3 OF 10 SHEETS	STA. TO STA.						

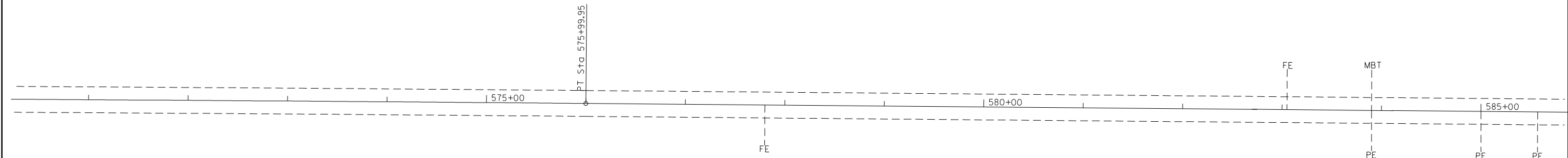
STA. 554+51 - STA. 570+22



STA. 570+22 - STA. 585+88



EXIST. CURVE 4  
 PI STA. = 566+00.00  
 $\Delta = 0^\circ 40' 00''$  (RT)  
 $D = 0^\circ 02' 00''$   
 $R = 171,887.34'$   
 $T = 1,000.01'$   
 $L = 2,000.00'$   
 $E = 2.91'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 555+99.98$   
 $P.T. \text{ STA.} = 575+99.98$



FILE NAME =	USER NAME = steffemk	DESIGNED -	REVISED -
p:\dot-pw.bentley.com\PWIDOT\Documents\DOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\74A19-sht-plan.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

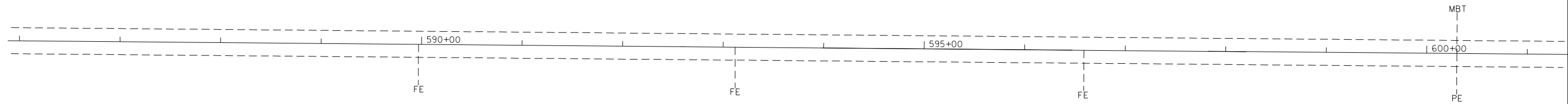
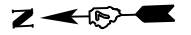
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

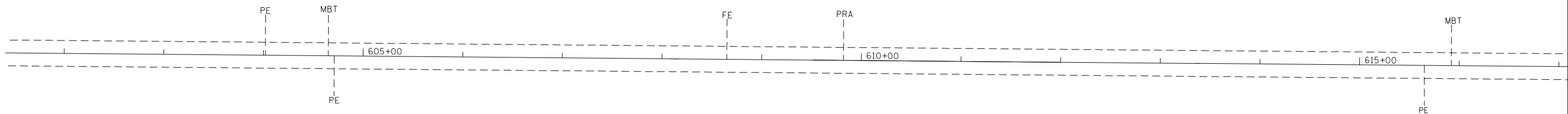
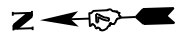
SCALE: 50      SHEET NO. 4 OF 10 SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	14
CONTRACT NO. 74A19				
ILLINOIS FED. AID PROJECT				

STA. 585+88 - STA. 601+41



STA. 601+41 - STA. 617+10



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
p:\dot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\74A19-sht-plan.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

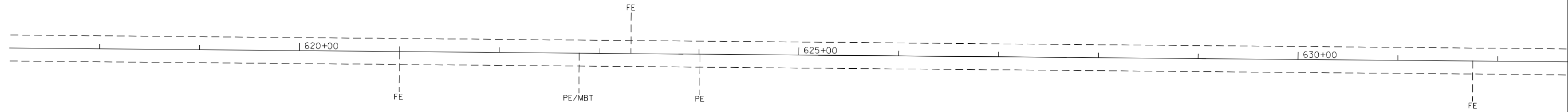
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

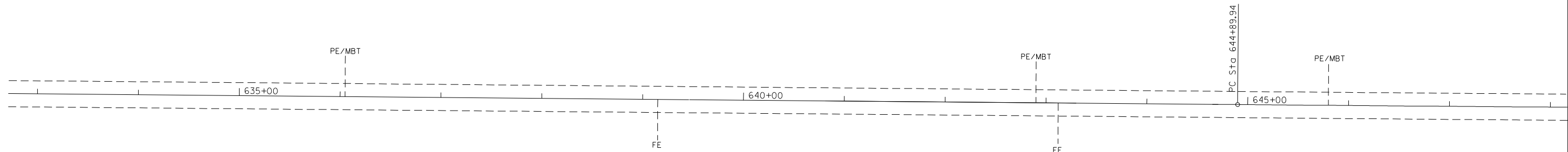
SCALE: 50 SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	15
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	

STA. 617+10 - STA. 632+71



STA. 632+71 - STA. 648+17



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
p:\dot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\74A19-sht-plan.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 50 SHEET NO. 6 OF 10 SHEETS STA. TO STA.

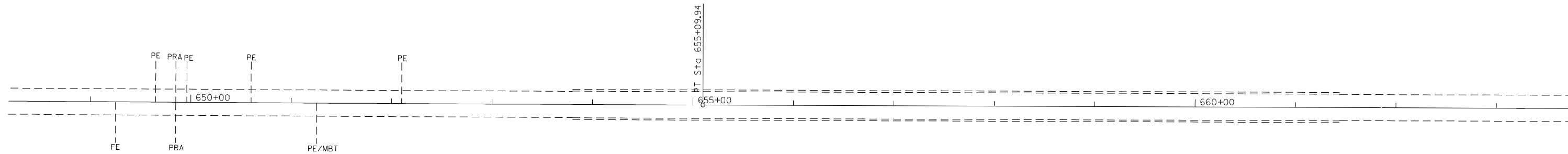
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	16
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	



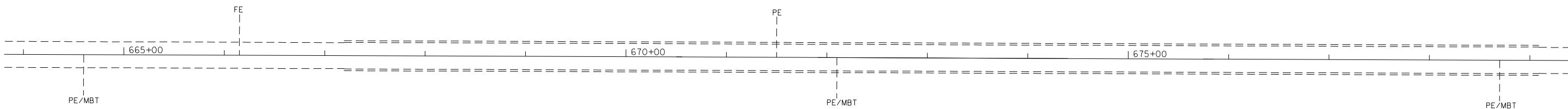
STA. 648+17 - STA. 663+81



EXIST. CURVE 5  
 PI STA. = 649+99.97  
 $\Delta = 0^\circ 17' 00''$  (LT)  
 $D = 0^\circ 01' 40''$   
 $R = 206,264.81'$   
 $T = 510.00'$   
 $L = 1,020.00'$   
 $E = 0.63'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA. = 644+89.97  
 P.T. STA. = 655+09.97

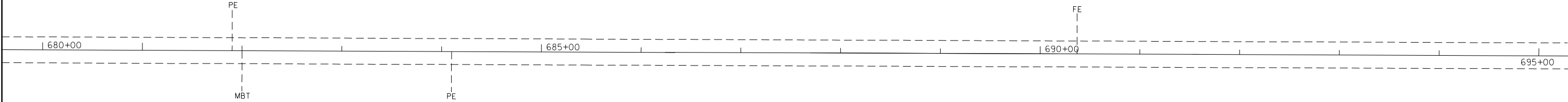


STA. 663+81 - STA. 679+47

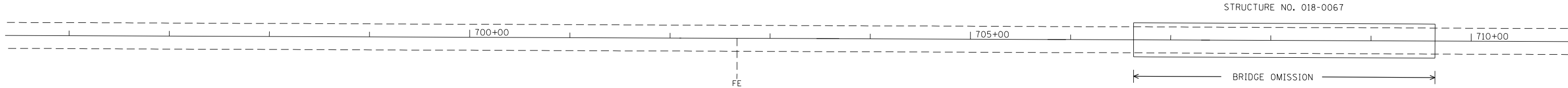


FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\dot-pw.bentley.com\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\74A19-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					116	(F-XIRS-2, (113,120)RS-2	CUMBERLAND	23	17
PLOT DATE = 12/10/2021	DATE -	REVISED -	REVISED -		SCALE: 50 SHEET NO. 7 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 74A19				
ILLINOIS FED. AID PROJECT												

STA. 679+47 - STA. 695+34



STA. 695+34 - STA. 710+99



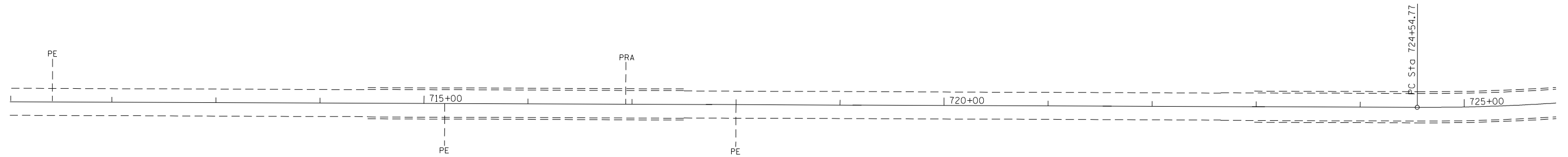
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>		
SCALE: 50	SHEET NO. 8 OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-XIRS-2, (113,120)RS-2	CUMBERLAND	23	18
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	

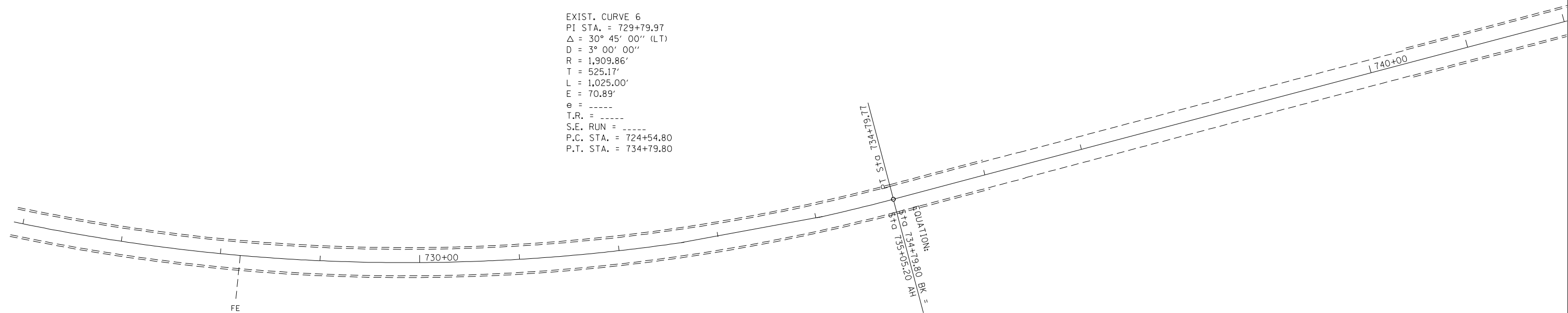
STA. 710+99 - STA. 725+88



STA. 725+88 - STA. 742+05



EXIST. CURVE 6  
 PI STA. = 729+79.97  
 $\Delta = 30^\circ 45' 00''$  (LT)  
 D =  $3^\circ 00' 00''$   
 R = 1,909.86'  
 T = 525.17'  
 L = 1,025.00'  
 E = 70.89'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 724+54.80  
 P.T. STA. = 734+79.80



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
p:\11dot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\74A19-sht-plan.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

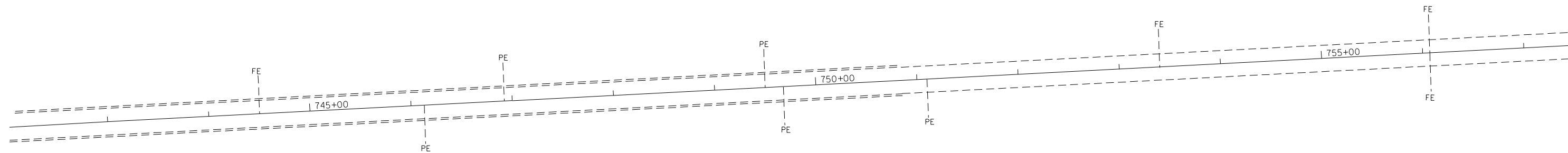
PLAN SHEETS

SCALE: 50 SHEET NO. 9 OF 10 SHEETS STA. TO STA.

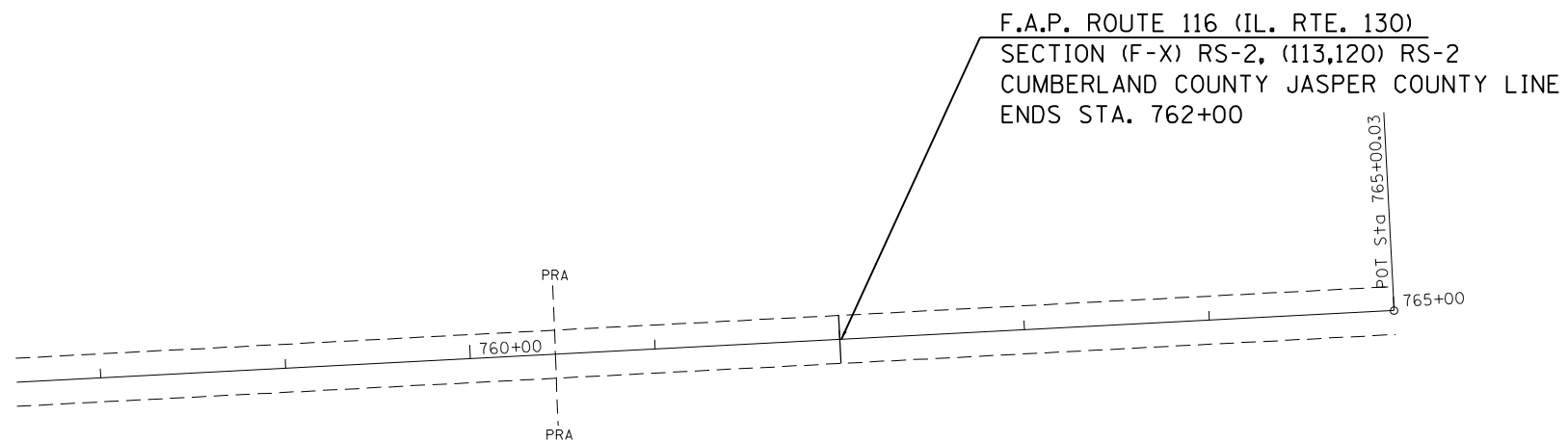
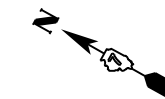
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	19
CONTRACT NO. 74A19				

ILLINOIS FED. AID PROJECT

STA. 742+05 - STA. 757+53



STA. 757+53 - STA. 762+00



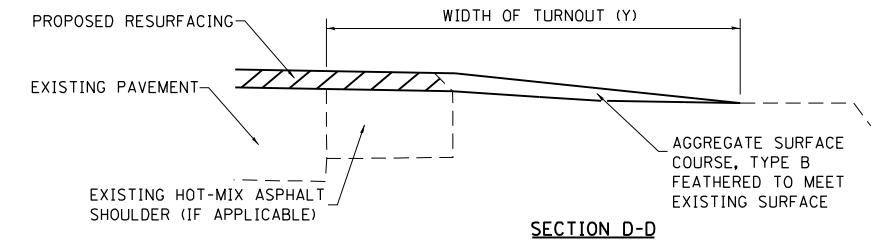
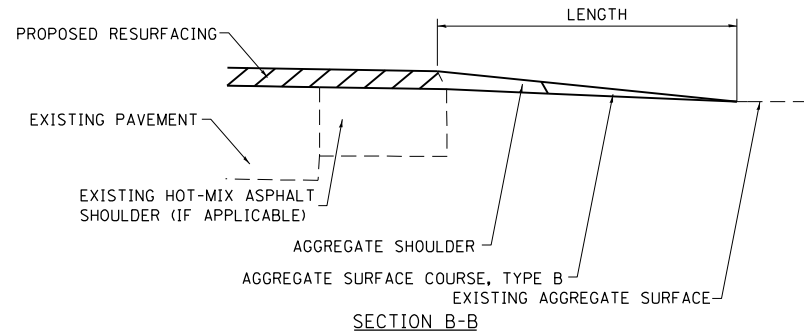
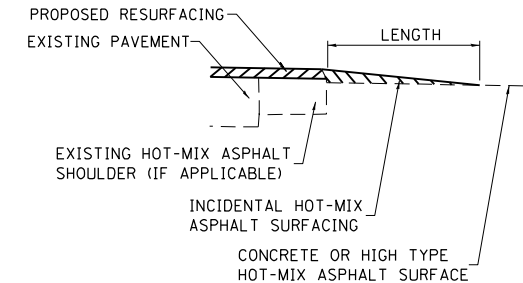
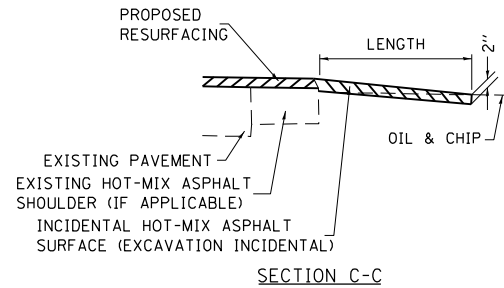
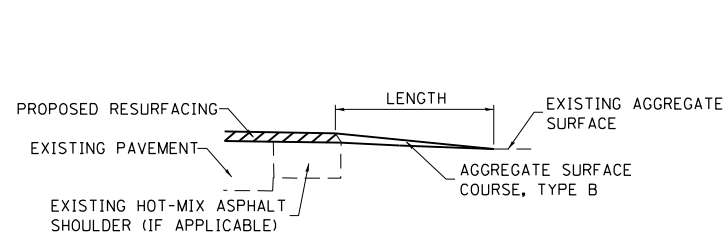
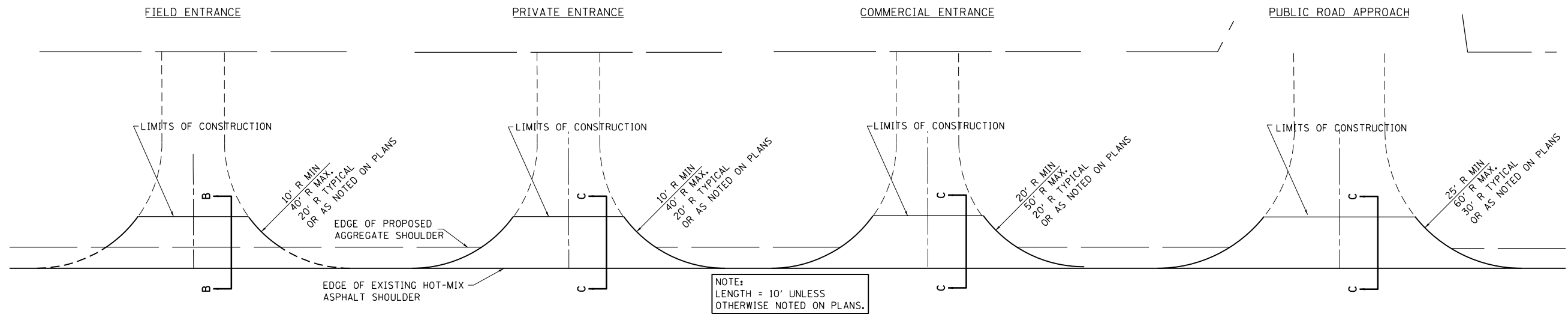
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 50 SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	20
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	



**NOTES**

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

**TYPICAL SECTION AT MAILBOX TURNOUT**

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	ENTRANCE DETAILS AND SCHEDULES			F.A.P. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\74A19-shd-details.dgn	PLotted	CHECKED -	REVISED -					116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	21
PLOT SCALE = 100.0000' / in.	DATE -	REVISED -	REVISED -		CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/10/2021	DATE -	REVISED -	REVISED -		SCALE: 50	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.					

SIDE	STATION	BIT SFC ? "Y" ONLY	TYPE	AGG. SURF. CSE. TYPE B 40200800	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050		
				WIDTH, W1	WIDTH, W2	AGG QTY	BIT QTY
				EOP (FT)	10' (FT)	(TON)	(TON)
RT	466+21	CONC	PRA	0	0.00		0
LT	466+21	Y	PRA	35	16.00		3
LT	466+57	Y	PE	28	18.00		2.7
RT	467+65	Y	CE	95	60.00		9
LT	468+43	Y	CE	49	35.00		4.9
RT	468+94	Y	CE	35	25.00		3.5
RT	471+86	Y	CE	100	92.00		11.2
LT	471+86	Y	CE	60	56.00		6.8
LT	474+30	Y	CE	51	35.00		5
RT	475+10	Y	PRA	67	26.00		5.4
LT	476+63	Y	CE	121	59.00		10.5
LT	481+13	Y	CE	49	29.00		4.6
RT	487+00	Y	PE	40	22.00		3.6
RT	488+27	Y	PE	25	11.00		2.1
LT	489+50	y	PRA	117	23.00		8.2
RT	489+50	y	PRA	58	23.00		4.7
RT	506+40	y	PRA	96	40.00		7.9
RT	511+52	Y	FE	35	24.00		1
LT	515+07		FE	27	10.00	0.8	
LT	516+15	y	PRA	55	22.00		4.5
LT	522+06		FE	38	24.00	1.9	
RT	523+31		FE	59	43.00	3.3	
LT	528+33		PE	45	20.00	1.6	
RT	529+81		FE	59	32.00	2.5	
LT	536+37		FE	25	13.00	1	
LT	543+30		FE	28	15.00	1.2	
RT	545+56		FE	32	22.00	1.7	
RT	553+74		FE	24	16.00	1.2	
LT	556+70	y	PE	36	26.00		3.6
LT	556+86	y	MBT	49	45.00		1.9
RT	556+87		FE	44	20.00	1.6	
LT	569+30		FE	31	31.00	2.4	
LT	569+80	y	PRA	82	20.00		6
RT	569+80	y	PRA	82	20.00		6
RT	577+80		FE	27	16.00	1.2	
LT	583+05		FE	24	14.00	1.1	
RT	583+90	y	PE	42	17.00		3.4
LT	583+90	y	MBT	73	45.00		3.3
RT	585+57	y	PE	47	22.00		4
RT	589+97		FE	27	15.00	1.2	
RT	593+12		FE	32	20.00	1.6	
RT	596+59		FE	28	13.00	1	
RT	600+30	y	PE	36	11.00		2.7
LT	600+30	y	MBT	73	38.00		3.3
LT	604+02	y	PE	54	16.00		4.1
RT	604+71	y	PE	26	12.00		2.2
LT	604+65	y	MBT2	87	45.00		3.3
LT	608+65		FE	28	11.00	0.9	
LT	609+82	y	PRA	70	22.00		5.4
RT	615+65	y	PE	77	48.00		7.3
RT	615+92	y	MBT2	79	49.00		7.5
RT	621+00		FE	45	45.00	5	
RT	622+80	y	PE/MBT	62	50.00		6.5

LT	623+32		FE	37	23.00	1.8		
RT	624+01	y	PE	36	14.00		0.9	
RT	631+75	y	FE	144	103.00		4.3	
LT	636+05	y	PE/MBT	120	88.00		12.1	
RT	639+15		FE	25	11.00	0.9		
LT	642+90	y	PE/MBT	78	57.00		7.9	
RT	643+12		FE	28	14.00	1.1		
LT	645+80	y	PE/MBT	93	70.00		9.5	
RT	649+25		FE	38	22.00	1.7		
LT	649+65	y	PE	43	12.00		3.2	
RT	649+85	y	PRA	63	25.00		5.1	
LT	649+85	y	PRA	52	52.00		6.1	
LT	649+96	y	PE	42	16.00		3.4	
LT	650+60	y	PE	81	81.00		9.5	
RT	651+25	y	PE/MBT	90	65.00		9	
LT	652+10	y	PE	40	20.00		3.5	
RT	664+60	y	PE	92	74.00		9.7	
LT	666+15		FE	33	18.00	1.4		
LT	671+50		PE	108	89.00	6.9		
RT	672+10	Y	MBT	67	40.00		6.2	
RT	678+70	Y	PE/MBT	81	64.00		8.5	
LT	681+90	y	PE	40	22.00		3.6	
RT	682+35	y	MBT	88	50.00		8.1	
RT	684+10		PE	33	23.00	1.8		
LT	690+37		FE	25	15.00	1.2		
RT	703+67	Y	FE	34	22.00		3.3	
LT	711+40	y	PE	30	17.00		2.7	
RT	715+20	Y	PE	53	17.00		4.1	
LT	716+94	Y	PRA	103	33.00		7.9	
RT	718+00	Y	PE	34	18.00		3	
RT	728+20	Y	FE	89	45.00		7.8	
LT	744+50	Y	FE	44	22.00		3.9	
RT	746+13	Y	PE	41	30.00		4.1	
LT	746+92	Y	PE	33	28.00		3.6	
LT	749+50	Y	PE	39	25.00		3.7	
RT	749+68	Y	PE	39	23.00		3.6	
RT	751+10	y	PE	41	22.00		3.7	
LT	753+40		FE	54	19.00	1.5		
LT	756+07		FE	29	13.00	1		
RT	756+07		FE	29	13.00	1		
RT	760+46	y	PRA	134	40.00		10.2	
LT	760+46	y	PRA	200	21.00		12.9	
				<b>TOTALS</b>	<b>4676</b>	<b>2536.00</b>	<b>52</b>	<b>292</b>

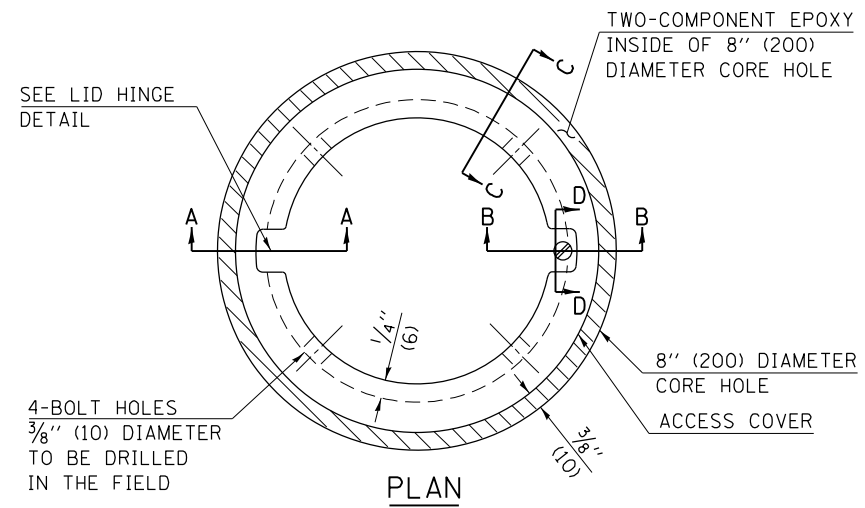
FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH  
PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT  
CE=COMMERCIAL ENTRANCE

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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -
PLOT DATE = 12/10/2021			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

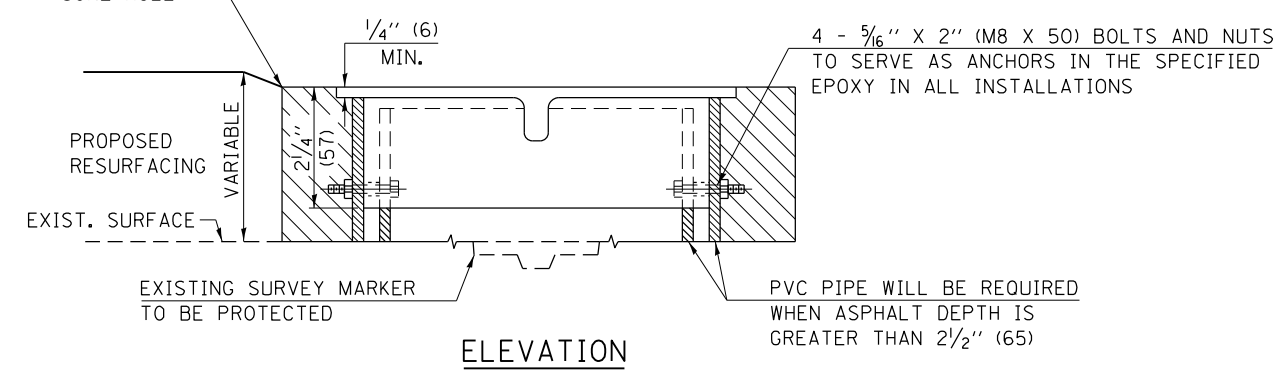
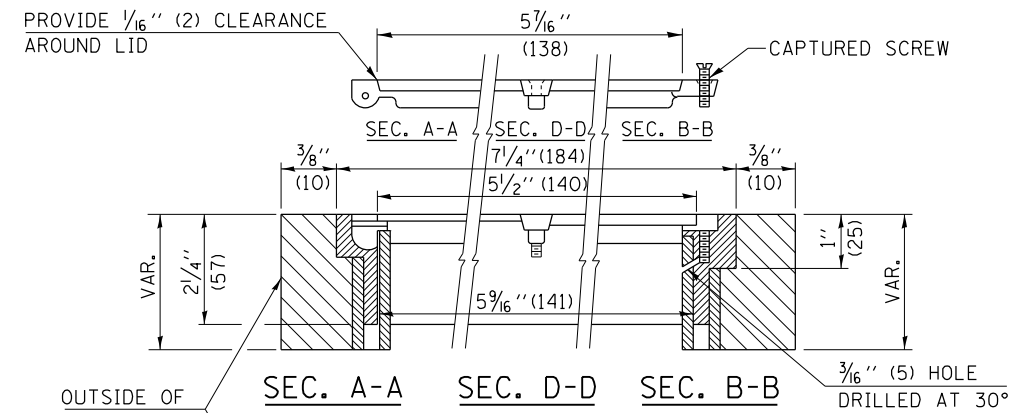
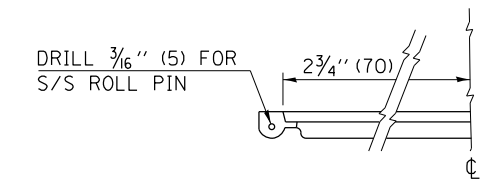
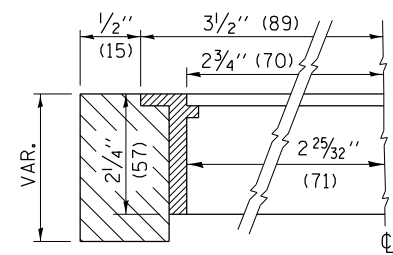
ENTRANCE DETAILS AND SCHEDULES  
SCALE: 50 SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-X)RS-2, (113,120)RS-2	CUMBERLAND	23	22
CONTRACT NO. 74A19			ILLINOIS FED. AID PROJECT	

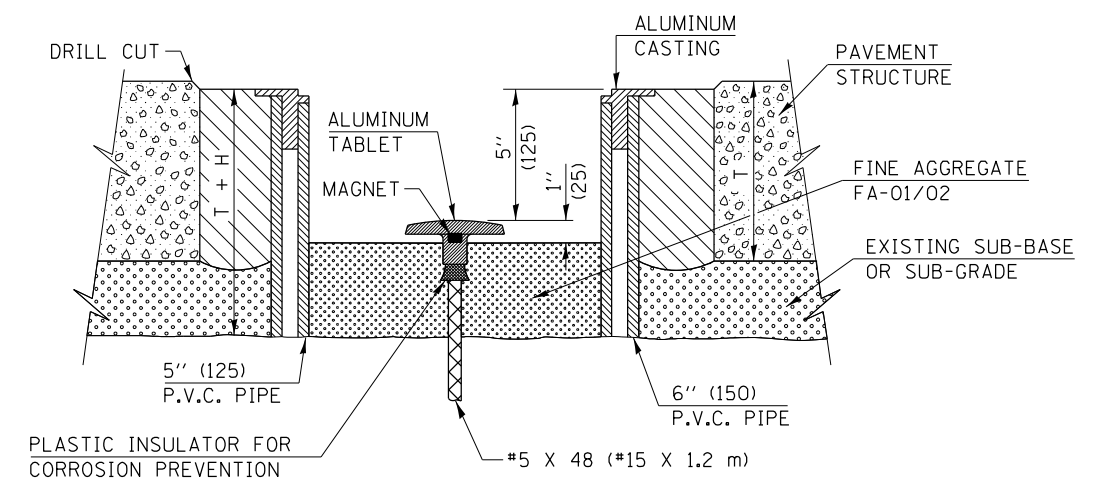


- LEGEND**
- ALUMINUM CASTING
  - 5" (125) OR 6" (150) P.V.C. PIPE
  - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER



PROPOSED SURVEY MARKER

NOT TO SCALE

FILE NAME =	USER NAME = steffemk	DESIGNED -	REVISED - MAD 6-11
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74A19\CAD\Drawings\Drawings\0774A19-sht-detail1.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT

SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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DISTRICT 7 DETAIL NO. Z0070202

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	(F-XIRS-2, (113,120)RS-2	CUMBERLAND	23	23
				CONTRACT NO. 74A19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				