

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

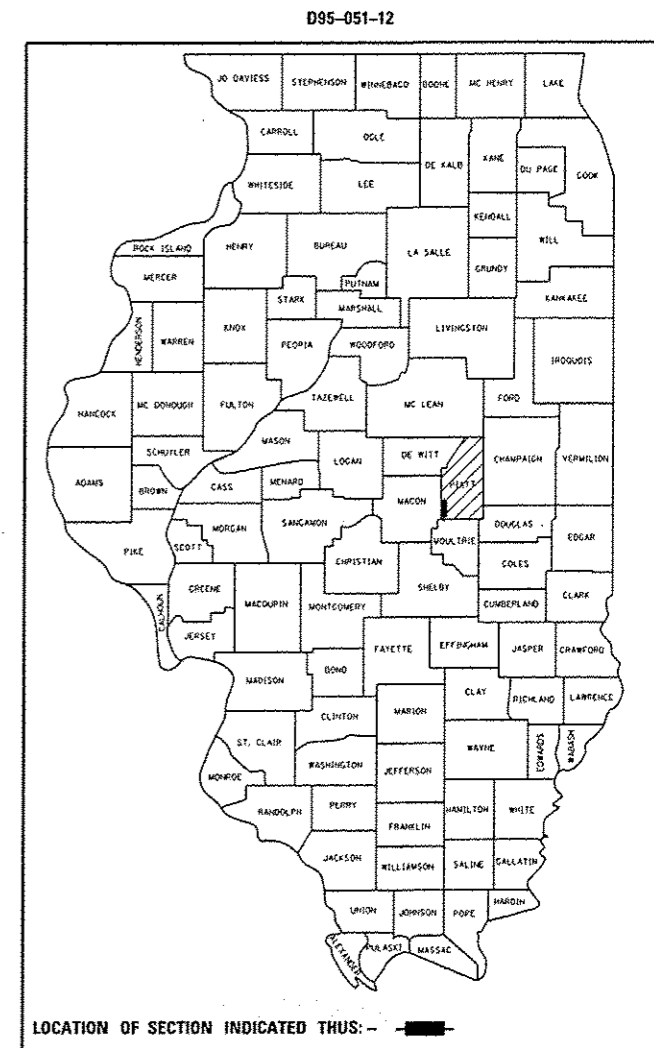
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4 & (4,5)RS-2	PIATT	49	1
		ILLINOIS	CONTRACT NO. 70993	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

STRUCTURES
S.N. 074-2003: PAVING OMISSION
S.N. 074-2004: HMA RESURFACING
S.N. 074-8034: HMA RESURFACING
S.N. 074-8035: HMA RESURFACING
S.N. 074-8036: HMA RESURFACING
S.N. 074-8311: HMA RESURFACING
S.N. 074-8312: HMA RESURFACING
S.N. 074-8313: HMA RESURFACING
S.N. 074-8315: HMA RESURFACING

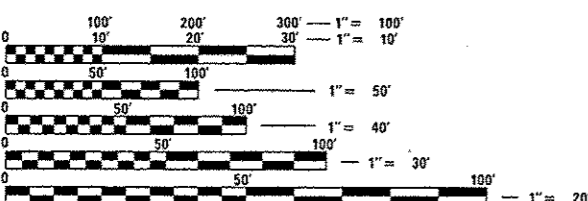
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 758 (IL 32)
SECTION 3RS-4 & (4,5)RS-2
PROJECT ACSTP-0758 (014)
RESURFACING (3P)
PIATT COUNTY
C-95-051-12
IL 105 TO US 36



DESIGN DESIGNATION
MINOR ARTERIAL

CURRENT ADT: (2015)
1,350



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.

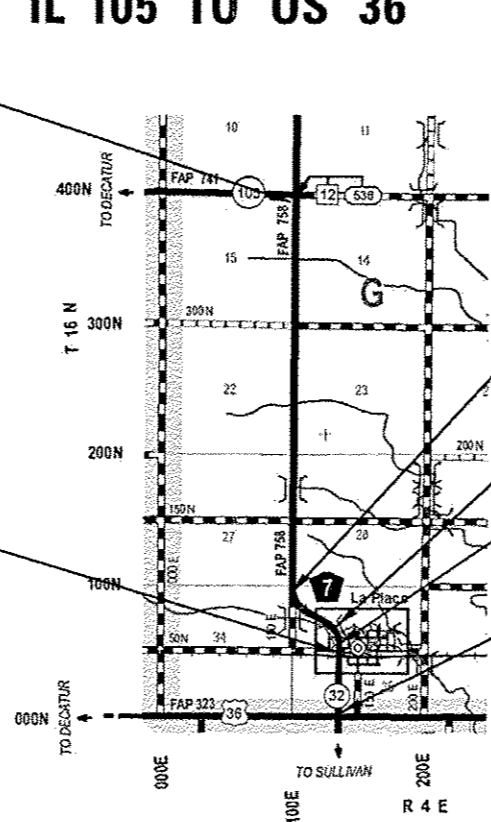
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811
CERRO GORDO TOWNSHIP

PROJECT ENGINEER JASON STULTS 217-466-7364
PROJECT MANAGER MICHAEL LEROY 217-466-7228

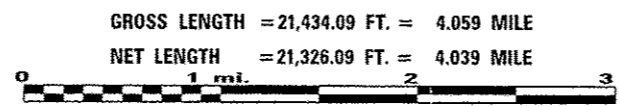
CONTRACT NO. 70993

PROJECT ENDS
STATION 263 + 45

RAILROAD OMISSION
STA. 75 + 20 TO STA. 75 + 30



STA. EQ. STA. 88 + 70.09 BK =
STA. 88 + 72.74 AH
PAVING OMISSION
STA. 83 + 07 TO STA. 84 + 15
STA. EQ. STA. 78 + 24.75 BK =
STA. 78 + 22.10 AH
PROJECT BEGINS
STATION 49 + 10.91



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED January 28, 2016
Kenneth A. Samett
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 18, 2016
Matthew H. Adams, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
March 18, 2016
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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49	DETAIL - SURVEY MONUMENT COVER ASSEMBLY

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
630001-10	STEEL PLATE BEAM GUARDRAIL
631031-14	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS \geq 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
725001	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

FILE NAME =	USER NAME = p1ersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS / LIST OF HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084631\INTEG\Illinois.gov\PI\DDT\De	ments\DDT Offices\District 5\Projects\DS7	DRAWING\sta\Design\DS72993-shi-gennote	REVISED -			758	3RS-4 & (4,5)RS-2	PIATT	48	2
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 70993				
PLOT DATE = 1/27/2016	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		[ILLINOIS] FED. AID PROJECT

GENERAL NOTES

G. N. -100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G. N. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G. N. -105.07B
EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES MAY BE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL SECURE AN APPROVED LOCATING FIRM TO LOCATE STATE-OWNED UTILITIES PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES IN ACCORDANCE TO SECTION 803 OF THE STANDARD SPECIFICATIONS. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

G. N. -107.12
THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Ben Ewing
Roadmaster
CSX Transportation
564 CSX Lane
Danville, IL 61834
(217) 722-7993

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Ben Ewing
Roadmaster
CSX Transportation
564 CSX Lane
Danville, IL 61834
(217) 722-7993

G. N. -406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. -406H
MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location	IL 32	IL 32	IL 32	IL 32
Mixture Use	Partial Depth patching	Fine Graded Level Binder	Surface and Shoulders	Incidental
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 19.0	IL 9.5 FG	IL 9.5	IL 9.5
Friction Aggregate	N.A.	Mix C	Mix C	Mix C
Mixture Weight	112	112	112	112
Quality Management Program	QC/QA	OCP	OCP	QC/QA
Sublot Size	N.A.	1000	1000	N.A.

G. N. -442B -- PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G. N. -667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G. N. -703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G. N. -781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

NO COMMITMENTS

FILE NAME *	USER NAME * piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\12.08#EBID\INTEG\Illinois.gov\PI\DOT\00	umanta\DOT Offices\District 5\Projects\057	OBANN\057\0570993-sht-gennote	REVISED -			758	3RS-4 & (4,5)RS-2	PIATT	48	3	
	PLOT SCALE * 48.0000 "/> in.	CHECKED -	REVISED -			CONTRACT NO. 70993					
	PLOT DATE * 1/27/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

LOCATION:

FAP 758 (IL 32)
 PIATT
 STA. 49+10.91
 TO
 STA. 263+45
 RURAL
 TWO LANE
 80% FEDERAL
 20% STATE
 0005

CONSTRUCTION CODE:

PAY ITEM CODE	PAY ITEM	UNIT	TOTAL	QTY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	41,767.0	41,767.0
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	2,580.0	2,580.0
40600990	TEMPORARY RAMP	SOYD	212.0	212.0
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	5,160.0	5,160.0
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	940.0	940.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	220.0	220.0
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SOYD	61,421.0	61,421.0
48101200	AGGREGATE SHOULDLERS, TYPE B	TON	2,151.0	2,151.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	87.0	87.0
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	275.0	275.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2.0	2.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0	4.0
63200310	GUARDRAIL REMOVAL	FOOT	575.0	575.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3.0	3.0

• SPECIALTY ITEMS

LOCATION:

SUMMARY OF QUANTITIES

FAP 758 (IL 32)
 PIATT
 STA. 49+10.91
 TO
 STA. 263+45
 RURAL
 TWO LANE
 80% FEDERAL
 20% STATE
 0005

CONSTRUCTION CODE:

67100100	MOBILIZATION	LSUM	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1.0	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1.0	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,369.0	6,369.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SOFT	2,123.0	2,123.0
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SOFT	121.0	121.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	52,274.0	52,274.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	120.0	120.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	50.0	50.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	120.0	120.0
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0	4.0
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SOFT	121.0	121.0
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	120.0	120.0
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	50.0	50.0

* SPECIALTY ITEMS

FILE NAME *	USER NAME * LEROYMA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\1\1884E810\INTEG\illinois.gov\pw1001\00	Documents\DOT_Offices\District 5N\Projects\007	CHAMN\007\Design\007093\shc-500.dgn	REVISED -			74	3RS-4 & (4,5)RS-2	PIATT	49	5	
	PLOT SCALE = 48,0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 70993					
	PLOT DATE = 1/28/2016	DATE -	REVISED -			SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

LOCATION:

SUMMARY OF QUANTITIES

FAP 758 (IL 32)
 PIATT
 STA. 49+10.91
 TO
 STA. 263+45
 RURAL
 TWO LANE
 80% FEDERAL
 20% STATE
 0005

CONSTRUCTION CODE:

78000650	THERMOPLASTIC PAVEMENT MARKING, LINE 24"	FOOT	120.0	120.0
78001110	PAINT PAVEMENT MARKING, LINE 4"	FOOT	52,274.0	52,274.0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	282.0	282.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16.0	16.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	282.0	282.0
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SO YD	2,089.0	2,089.0
X4406075	PARTIAL DEPTH REMOVAL, TYPE I, 7.5"	SOYD	520.0	520.0
X4406275	PARTIAL DEPTH REMOVAL, TYPE II, 7.5"	SOYD	303.0	303.0
X4421000	PARTIAL DEPTH PATCHING	TON	346.0	346.0
X6310088	TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL)	EACH	4.0	4.0
X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25.0	25.0
X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SOFT	121.0	121.0
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	120.0	120.0
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	50.0	50.0

* SPECIALTY ITEMS

FILE NAME *	USER NAME * LEROYMA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pi\11284810INTEG:illinois.gov\FW1001\Documents\1001\Offices\District 5\Projects\0578\Drawings\Design\0578\93-shr-500.dgn	DESIGNED -	REVISED -	74			3RS-4 & 14,SR5-2	PIATT	49	6	
PLOT SCALE * 1/8" = 1' in.	CHECKED -	REVISED -	SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 70993				
PLOT DATE * 1/28/2016	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

LOCATION:

FAP 758 (IL 32)
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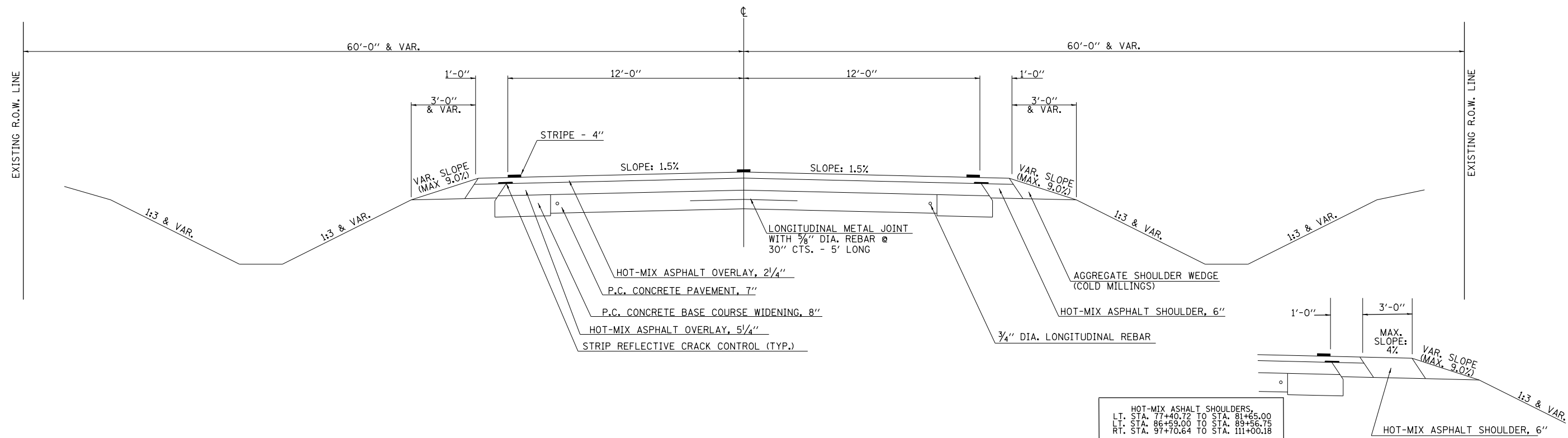
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	120.0	120.0
XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	10.0	10.0
Z0013798	CONSTRUCTION LAYOUT	LSUM	1.0	1.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1.0	1.0
Z0055300	RUMBLE STRIP	EACH	3.0	3.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	5.0	5.0

• SPECIALTY ITEMS

FILE NAME =	USER NAME = LEROYMA	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\N\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\Dist\ot DNP\Projects\057	DRAWN\Date\Design\0572993-shr-S00.dgn	CHECKED =	REVISED =			74	3RS-4 & (4,5)RS-2	PIATT	49	7	
PLOT SCALE = 40.0000' / 1"		DATE =	REVISED =			SCALE:		SHEET NO. 4 OF 4 SHEETS		STA. TO STA.	
PLOT DATE = 1/20/2016						ILLINOIS FED. AID PROJECT CONTRACT NO. 70993					

EXISTING TYPICAL SECTION

STATION TO STATION
40+10.91 263+45

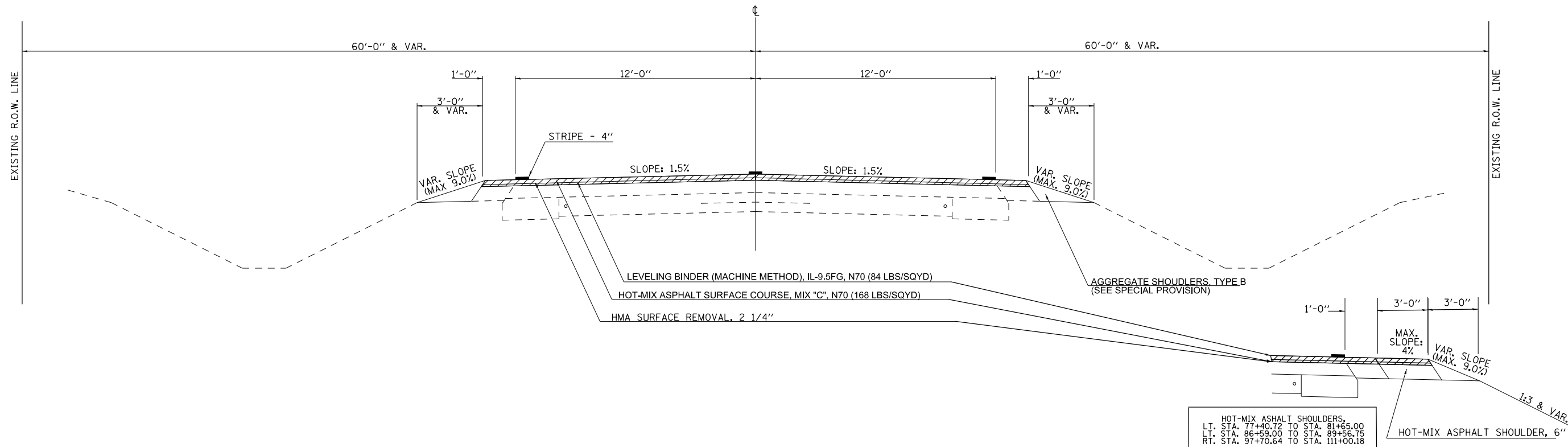


HOT-MIX ASPHALT SHOULDERS,
 LT. STA. 77+40.72 TO STA. 81+65.00
 LT. STA. 86+59.00 TO STA. 89+56.75
 RT. STA. 97+70.64 TO STA. 111+00.18

OMISSION FROM RESURFACING
 STA. 75+20 TO STA. 75+30 (RAILROAD)
 STA. 83+08.94 TO 85+15.06 (SN 074-2003)

PROPOSED TYPICAL SECTION

STATION TO STATION
40+10.91 263+45



HOT-MIX ASPHALT SHOULDERS,
 LT. STA. 77+40.72 TO STA. 81+65.00
 LT. STA. 86+59.00 TO STA. 89+56.75
 RT. STA. 97+70.64 TO STA. 111+00.18

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\Drawings\Design\057993-shr-Typical.dwg	DESIGNED -	REVISED -	REVISED -			758	3RS-4&(4,5)RS-2	PIATT	49	8	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 70993					
PLOT DATE = 1/27/2016	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					

RESURFACING

STATION	TO	STATION	LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	LEVELING BINDER (MACHINE METHOD) IL-9.5FG, N70	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70		
					(44000158) SQ YD	(40600637) TONS	(40600290) POUNDS	(40600290) POUNDS	(40603315) INCH	(40603315) TONS	
50+10.00		52+00.00	190.00	32	675.6	0.75	28.4	304.0	152.0	1.5	56.7
52+00.00		75+20.00	2320.00	26	6,702.2	0.75	281.5	3,016.0	1,508.0	1.5	563.0
75+30.00		78+24.75	294.75	26	851.5	0.75	35.8	383.2	191.6	1.5	71.5
78+22.10		83+08.00	485.90	26	1,403.7	0.75	59.0	631.7	315.8	1.5	117.9
84+16.00		88+70.09	454.09	26	1,311.8	0.75	55.1	590.3	295.2	1.5	110.2
88+72.74		263+46.0	17473.26	26	50,478.3	0.75	2,120.1	22,715.2	11,357.6	1.5	4,240.2
TOTAL					61,423.1		2,579.8	27,640.4	13,820.2		5,159.5
USE					61,421.0		2,580.0	41,460.0			5,160.0

TEMPORARY RAMP

(40600990)

DESC.	STATION	WIDTH	LENGTH	SQYD	USE
END OF JOB	49+41.00	176	5	97.78	98
RAILROAD	75+15.00	26	5	14.44	15
RAILROAD	75+25.00	26	5	14.44	15
STRUCTURE	83+09.00	41	5	22.78	23
STRUCTURE	84+15.00	41	5	22.78	23
100 E. RD	107+10.00	15	5	8.33	23
START OF JOB	263+45.00	26	5	14.44	15
TOTAL					212

ASPHALT SHOULDERS

STATION	TO	STATION	L/R	WIDTH	DEPTH	LENGTH	SQ YD	HOT-MIX ASPHALT SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)
								48203100 TONS	40600290 POUNDS
77+40.72		81+65.00	RIGHT	3	2.3	424.3	141.4	17.8	63.6
86+59.00		89+56.75	RIGHT	3	2.3	297.8	99.3	12.5	44.7
97+70.64		111+00.0	LEFT	3	2.3	1329.4	443.1	55.8	199.4
TOTAL								86.2	307.7
USE								87.0	307.0

INCIDENTAL RESURFACING

ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS MEASURED USING CADD FLOOD					HMA SURFACE REMOVAL (SPECIAL) (X4400196)	INCIDENTAL HMA RESURFACING (40800050)	BITUMINOUS MARERIALS (TACK COAT) (40800029)
STATION	LT/RT	TYPE	SQ FT	WIDTH	SQ YD	TONS	POUND
54+27.00	LEFT	FE	121.95	3	13.55	1.42	6.10
54+27.00	RIGHT	FE	126.40	3	14.04	1.47	6.32
66+64.00	LEFT	FE	117.87	3	13.10	1.38	5.89
66+64.00	RIGHT	FE	106.07	3	11.79	1.24	5.30
71+25.00	LEFT	PE	341.40	10	37.93	3.98	17.07
71+36.00	RIGHT	PE	333.17	10	37.02	3.89	16.66
72+26.00	LEFT	PE	310.87	10	34.54	3.63	15.54
73+34.00	LEFT	S. SECOND ST	304.24	10	33.80	3.55	15.21
73+34.00	RIGHT	S. SECOND ST	650.67	10	72.30	7.59	32.53
74+84.00	LEFT	ALLEY	284.48	10	31.61	3.32	14.22
75+74.00	LEFT	50 N. RD	544.23	10	60.47	6.35	27.21
75+74.00	RIGHT	CE	497.35	10	55.26	5.80	24.87
77+83.00	LEFT	PE	338.37	10	37.60	3.95	16.92
79+06.00	LEFT	PE	174.77	10	19.42	2.04	8.74
80+00.00	LEFT	PE	182.56	10	20.28	2.13	9.13
81+28.00	LEFT	N. SECOND ST	409.94	10	45.55	4.78	20.50
81+28.00	RIGHT	N. SECOND ST	521.81	10	57.98	6.09	26.09
84+12.00	RIGHT	PE	426.32	10	47.37	4.97	21.32
87+26.00	LEFT	PE	256.52	10	28.50	2.99	12.83
88+90.00	LEFT	PE	293.29	10	32.59	3.42	14.66
89+78.00	LEFT	CIRLE PE 1	217.00	10	24.11	2.53	10.85
90+53.00	LEFT	CIRLE PE 2	231.94	10	25.77	2.71	11.60
92+76.00	LEFT	PE	284.90	10	31.66	3.32	14.25
92+76.00	RIGHT	FE	124.97	3	13.89	1.46	6.25
93+86.00	LEFT	FE	120.96	3	13.44	1.41	6.05
96+53.00	LEFT	PE	401.57	10	44.62	4.68	20.08
98+95.00	LEFT	PE	303.35	10	33.71	3.54	15.17
99+78.00	LEFT	PE	300.96	10	33.44	3.51	15.05
100+74.00	LEFT	CE (AMEREN)	638.79	10	70.98	7.45	31.94
107+10.00	LEFT	100 E. ROAD	1602.95	69	178.11	18.70	80.15
110+90.00	LEFT	FE	131.28	3	14.59	1.53	6.56
124+24.00	RIGHT	FE	180.32	3	20.04	2.10	9.02
136+35.00	RIGHT	PE	251.10	10	27.90	2.93	12.56
137+53.00	LEFT	150 N. RD.	716.13	24	79.57	8.35	35.81
137+53.00	RIGHT	150 N. RD.	654.62	24	72.74	7.64	32.73
142+00.00	RIGHT	FE	113.00	3	12.56	1.32	5.65
142+00.00	LEFT	Van Horn Seed	0.00	0	0.00	0.00	0.00
153+34.00	LEFT	FE	120.04	3	13.34	1.40	6.00
163+48.00	RIGHT	FE	103.24	3	11.47	1.20	5.16
164+17.00	LEFT	FE	199.36	3	22.15	2.33	9.97
170+31.00	RIGHT	FE	88.57	3	9.84	1.03	4.43
177+27.00	LEFT	FE	96.20	3	10.69	1.12	4.81
179+67.00	RIGHT	PE/MBTO	411.97	10	45.77	4.81	20.60
182+21.00	RIGHT	PE	276.37	10	30.71	3.22	13.82
189+95.00	RIGHT	FE	265.22	3	29.47	3.09	13.26
190+76.00	LEFT	FE	206.13	3	22.90	2.40	10.31
197+45.00	LEFT	CE	410.19	10	45.58	4.79	20.51
198+44.00	LEFT	PE	342.73	10	38.08	4.00	17.14
198+44.00	RIGHT	PE/MBTO	325.06	10	36.12	3.79	16.25
201+38.00	RIGHT	FE	109.23	3	12.14	1.27	5.46
203+00.00	RIGHT	FE	332.69	3	36.97	3.88	16.63
217+31.00	LEFT	300 N. RD.	580.40	18	64.49	6.77	29.02
217+31.00	RIGHT	300 N. RD.	557.13	18	61.90	6.50	27.86
223+65.00	RIGHT	PE	223.56	10	24.84	2.61	11.18
224+36.00	RIGHT	PE/MBTO	426.50	10	47.39	4.98	21.33
225+54.00	RIGHT	FE	107.11	3	11.90	1.25	5.36
243+30.00	RIGHT	FE	130.91	3	14.55	1.53	6.55
256+22.00	LEFT	FE	133.63	3	14.85	1.56	6.68
257+09.00	RIGHT	FE	99.45	3	11.05	1.16	4.97
260+66.00	RIGHT	MBTO	304.38	10	33.82	3.55	15.22
261+35.00	RIGHT	PE	327.87	10	36.43	3.83	16.39
TOTAL					2088.23	219.26	939.70
USE					2089.0	220.0	940.0

AGGREGATE SHOULDERS, TYPE B
(48101200)

	STATION	+o	STATION	LENGTH	WIDTH	AVG "'+"	SQ YD	CU YD	TONS
N. OF IL 36 INTERSECTION	51+00.00		53+00.00	200.00	10.50	2.50	233.33	16.20	35.65
	53+00		71+00	1800.00	6.00	2.50	1200.00	83.33	183.33
RR TRACKS	71+52		73+00	148.00	6.00	2.50	98.67	6.85	15.07
	73+60.00		78+24.75	464.75	6.00	2.50	309.83	21.52	47.34
EQ. STA.	78+22.10		81+00.00	277.90	6.00	2.50	185.27	12.87	28.30
	81+60.00		83+08.00	148.00	6.00	2.50	98.67	6.85	15.07
STRUCTURE	84+15.00		88+70.09	455.09	6.00	2.50	303.39	21.07	46.35
EQ. STA.	88+72.74		106+85.0	1812.26	6.00	2.50	1208.17	83.90	184.58
	106+85.00		263+46.0	15661.00	6.00	2.50	10440.67	725.05	1595.10
TOTAL							14,078.0	977.6	2,150.8
USE									2,151.0

STEEL PLATE BEAM GUARDRAIL AND TERMINALS

STATION TO STATION	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 6A2 (SPECIAL) X6310088	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL SHORT RADIUS X6330725	GUARDRAIL RELECTORS TYPE A	TERMINAL MARKER DIRECT APPLIED 72501000
	63000001 FOOT	63100045 EACH	63100167 EACH	63200310 FOOT	6330725 FOOT	78200005 EACH	72501000 EACH	
82+22.50 82+60.00	37.50			1	37.5		1	1
82+60.00 83+22.50	62.50				62.50		1	
83+22.50 83+60.00	37.50		1		37.5		1	
84+08.00 84+45.50	37.50		1		37.5		1	
84+45.50 85+58.00	112.50				112.50		2	
85+58.00 85+95.50	37.50			1	37.5		1	1
81+64.50 82+02.00	37.50			1	37.5		1	1
82+02.00 82+77.00	75.00				75.00		2	
82+77.00 83+14.50	37.50		1		37.5		1	
83+57.00 83+94.50	37.50		1		37.5		1	
83+94.50 84+00.00	12.50	1				12.5	1	
84+26.00 84+35.00	12.50	1				12.5	1	
84+35.50 84+60.50	25.00				25.00		1	
84+60.50 84+98.00	37.50			1	37.5		1	1
TOTAL	275	2	4	4	575	25	16	4

RADIUS = 12'

PAVEMENT MARKING SCHEDULE

STATION	TO	STATION	LENGTH	SHORT TERM	PAINT PAVT	PAINT PAVT	PAINT PAVT	THERMOPLASTIC	GROOVING FOR	THERMOPLASTIC	GROOVING FOR	THERMOPLASTIC	GROOVING FOR	THERMOPLASTIC	GROOVING FOR
				PVT MKS	MARKINGS	MARKINGS	MARKINGS	PAVEMENT MKS	RECESSED PVT	PAVEMENT MKS	RECESSED PVT	PAVEMENT MKS	RECESSED PVT	PAVEMENT MKS	RECESSED PVT
				(FOOT)	SKIP DASH	SOLID	SOLID	SOLID	MARKING, LINE	STOP BAR	MARKING, LINE	LETTERS AND	RECESSED PVT	MARKING, LETTERS	
(70300100)	YELLOW, 4"	YELLOW, 4"	WHITE, 4"	WHITE, 6"	7"	WHITE, 12"	13"	24"	25"	SYMBOLS	AND SYMBOLS				
					FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT
					(78001110)	(78001110)	(78001110)	(78001130)	X7830074	(78001150)	(X7830078)	(78000650)	(X7830090)	(78000100)	(X7830060)
IL 32:															
49+10.91	LEFT	73+00.00	2,389.09	716.73			2,469.09	120.00	120.00	50.00	50.00	42.00	42.00		
49+10.91	RIGHT	73+00.00	2,389.09				2,469.09								
49+10.91	CENTER	54+51.00	540.09			2,160.36									
54+51.00	CENTER	71+60.00	1,709.00		460.00										
73+60	L/R	75+10	150.00	45.00			300.00								
71+60	NO PASS	75+10	350.00			700.00						39.00	39.00	60.2	60.2
75+35		78+85	350.00	105.00			700.00								
75+35	NO PASS	78+85	350.00			700.00						39.00	39.00	60.2	60.2
78+85	NO PASS	80+00	115.00	34.50	28.75	230.00									
80+00	NO PASS	87+00	700.00	210.00	175.00	700.00	1,400.00								
87+00	L/R	106+75	1,975.00	592.50	493.75		3,950.00								
106+75	L/R	107+80	105.00	31.50	26.25		105.00								
107+80	CENTER L/R	137+25	2,945.00	883.50	736.25		5,890.00								
137+80	CENTER L/R	216+90	7,910.00	2,373.00	1,977.50		15,820.00								
217+55	CENTER L/R	263+45	4,590.00	1,377.00	1,147.50		9,180.00								
258+90	NO PASS	263+45	455.00			455.00									
	TOTAL		27,022.	6,368.73	5,045.00	4,945.36	42,283.18	120.00	120.00	50.00	50.00	120.00	120.00	120.40	120.40
	USE		27,023.	6,369.00		52,274.00		120.00	120.00	50.00	50.00	120.00	120.00	121.00	121.00

3 APPLICATIONS OF SHORT TERM, FOR MILLING, LEVEL BINDER AND SURFACE

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\BROWN\0579-0001\Design\0579-0001-sht-schedule.plt		DRAWN -	REVISED -			74	3RS-4&(4,5)RS-2	PIATT	49	12
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 70993				
PLOT DATE = 1/27/2016	DATE -	REVISED -				SCALE:	SHEET NO.	OF	SHEETS	STA.

STATION	DIRECTION	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (inch)	PARTIAL DEPTH REMOVAL TYPE I, 7.5" X4406075 (sq. yd)	PARTIAL DEPTH REMOVAL TYPE II, 7.5" X4406275 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
50+56	Northbound	6.00	12.00	7.50	8.00		3.36
50+56	Southbound	6.00	12.00	7.50	8.00		3.36
50+81	Northbound	6.00	12.00	7.50	8.00		3.36
50+81	Southbound	6.00	12.00	7.50	8.00		3.36
52+96	Northbound	6.00	12.00	7.50	8.00		3.36
52+96	Southbound	6.00	12.00	7.50	8.00		3.36
56+33	Northbound	6.00	12.00	7.50	8.00		3.36
56+33	Southbound	15.00	12.00	7.50		20.00	8.40
68+76	Northbound	6.00	12.00	7.50	8.00		3.36
68+76	Southbound	6.00	12.00	7.50	8.00		3.36
117+48	Northbound	6.00	12.00	7.50	8.00		3.36
154+00	Northbound	6.00	12.00	7.50	8.00		3.36
157+72	Northbound	6.00	12.00	7.50	8.00		3.36
157+72	Southbound	6.00	12.00	7.50	8.00		3.36
159+07	Northbound	25.00	12.00	7.50		33.33	14.00
168+72	Northbound	6.00	12.00	7.50	8.00		3.36
168+72	Southbound	6.00	12.00	7.50	8.00		3.36
173+80	Northbound	6.00	12.00	7.50	8.00		3.36
173+80	Southbound	6.00	12.00	7.50	8.00		3.36
186+31	Northbound	6.00	12.00	7.50	8.00		3.36
186+31	Southbound	6.00	12.00	7.50	8.00		3.36
187+21	Northbound	6.00	12.00	7.50	8.00		3.36
188+24	Northbound	6.00	12.00	7.50	8.00		3.36
188+24	Southbound	6.00	12.00	7.50	8.00		3.36
191+64	Northbound	6.00	12.00	7.50	8.00		3.36
191+64	Southbound	6.00	12.00	7.50	8.00		3.36
192+50	Northbound	6.00	12.00	7.50	8.00		3.36
194+55	Northbound	6.00	12.00	7.50	8.00		3.36
194+55	Southbound	6.00	12.00	7.50	8.00		3.36
201+15	Northbound	6.00	12.00	7.50	8.00		3.36
201+15	Southbound	6.00	12.00	7.50	8.00		3.36
204+63	Northbound	6.00	12.00	7.50	8.00		3.36
204+63	Southbound	6.00	12.00	7.50	8.00		3.36
206+67	Northbound	6.00	12.00	7.50	8.00		3.36
206+67	Southbound	6.00	12.00	7.50	8.00		3.36
218+54	Northbound	6.00	12.00	7.50	8.00		3.36
218+54	Southbound	6.00	12.00	7.50	8.00		3.36
220+75	Northbound	6.00	12.00	7.50	8.00		3.36
220+75	Southbound	6.00	12.00	7.50	8.00		3.36
221+98	Northbound	6.00	12.00	7.50	8.00		3.36
221+98	Southbound	6.00	12.00	7.50	8.00		3.36
225+14	Northbound	6.00	12.00	7.50	8.00		3.36
225+14	Southbound	6.00	12.00	7.50	8.00		3.36

STATION	DIRECTION	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (inch)	PARTIAL DEPTH REMOVAL TYPE I, 7.5" X4406075 (sq. yd)	PARTIAL DEPTH REMOVAL TYPE II, 7.5" X4406275 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
226+88	Northbound	6.00	12.00	7.50	8.00		3.36
226+88	Southbound	6.00	12.00	7.50	8.00		3.36
229+18	Northbound	6.00	12.00	7.50	8.00		3.36
229+18	Southbound	6.00	12.00	7.50	8.00		3.36
229+85	Northbound	8.00	12.00	7.50		10.67	4.48
229+85	Southbound	6.00	12.00	7.50	8.00		3.36
230+20	Northbound	10.00	12.00	7.50		13.33	5.60
230+20	Southbound	8.00	12.00	7.50		10.67	4.48
231+02	Northbound	10.00	12.00	7.50		13.33	5.60
231+02	Southbound	10.00	12.00	7.50		13.33	5.60
233+17	Northbound	6.00	12.00	7.50	8.00		3.36
233+17	Southbound	6.00	12.00	7.50	8.00		3.36
233+85	Northbound	6.00	12.00	7.50	8.00		3.36
233+85	Southbound	6.00	12.00	7.50	8.00		3.36
235+45	Southbound	8.00	12.00	7.50		10.67	4.48
235+66	Northbound	6.00	12.00	7.50	8.00		3.36
235+66	Southbound	6.00	12.00	7.50	8.00		3.36
237+48	Northbound	6.00	12.00	7.50	8.00		3.36
237+48	Southbound	6.00	12.00	7.50	8.00		3.36
241+39	Southbound	30.00	12.00	7.50		40.00	16.80
241+51	Northbound	8.00	12.00	7.50		10.67	4.48
241+51	Southbound	20.00	12.00	7.50		26.67	11.20
245+83	Southbound	8.00	12.00	7.50		10.67	4.48
246+49	Northbound	8.00	12.00	7.50		10.67	4.48
246+49	Southbound	25.00	12.00	7.50		33.33	14.00
249+44	Northbound	6.00	12.00	7.50	8.00		3.36
251+00	Northbound	8.00	12.00	7.50		10.67	4.48
251+00	Southbound	8.00	12.00	7.50		10.67	4.48
251+65	Northbound	6.00	12.00	7.50	8.00		3.36
251+65	Southbound	6.00	12.00	7.50	8.00		3.36
252+64	Southbound	6.00	12.00	7.50	8.00		3.36
253+13	Northbound	6.00	12.00	7.50	8.00		3.36
253+13	Southbound	8.00	12.00	7.50		10.67	4.48
255+81	Northbound	6.00	12.00	7.50	8.00		3.36
257+67	Northbound	6.00	12.00	7.50	8.00		3.36
257+67	Southbound	6.00	12.00	7.50	8.00		3.36
259+39	Northbound	6.00	12.00	7.50	8.00		3.36
259+39	Southbound	10.00	12.00	7.50		13.33	5.60
262+47	Northbound	6.00	12.00	7.50	8.00		3.36
262+47	Southbound	6.00	12.00	7.50	8.00		3.36
TOTAL					520.00	302.67	345.52
USE					520.00	303.00	346.00

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.allinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0579\BROWNS\Design\0570993-shr-schedule.dwg		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 1/27/2016	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	3RS-4&(4,5)RS-2	PIATT	49	13
CONTRACT NO. 70993				
ILLINOIS FED. AID PROJECT				

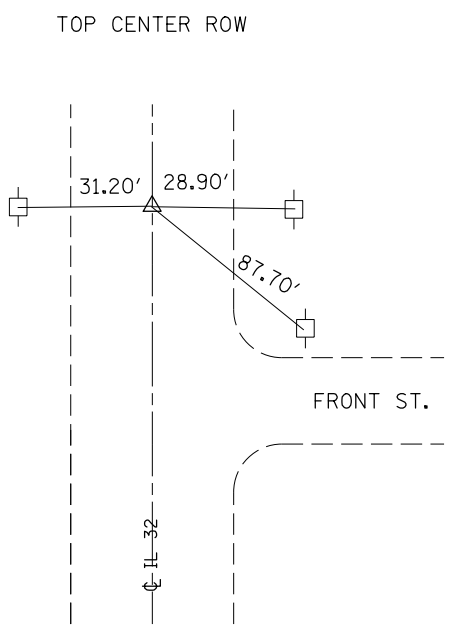
SURVEY MONUMENT COVER ASSEMBLY
(Z0070100)

STATION	COUNTY	EACH
110+91.32	PIATT	1
137+46.85	PIATT	1
164+16.60	PIATT	1
190+75.38	PIATT	1
217+30.85	PIATT	1
TOTAL		5

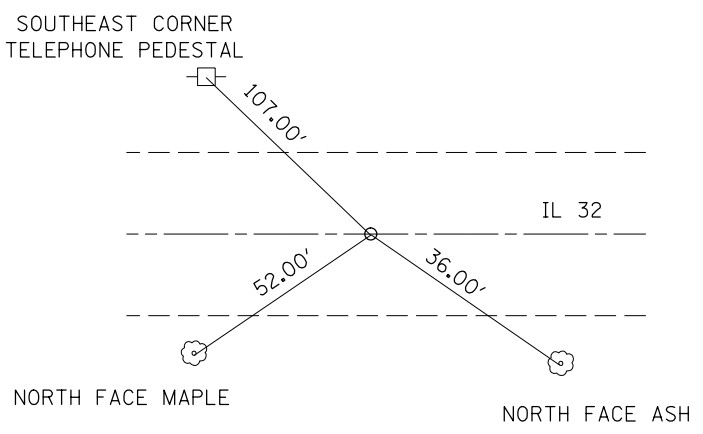
SURVEY MARKER, TYPE 1 (SPECIAL)
(XZ193300)

STATION	COUNTY	EACH
78+24.75	PIATT	1
88+70.09	PIATT	1
99+10.61	PIATT	1
104+35.46	PIATT	1
109+60.30	PIATT	1
138+57.15	PIATT	1
181+69.93	PIATT	1
198+04.23	PIATT	1
203+81.56	PIATT	1
209+58.88	PIATT	1
TOTAL		10

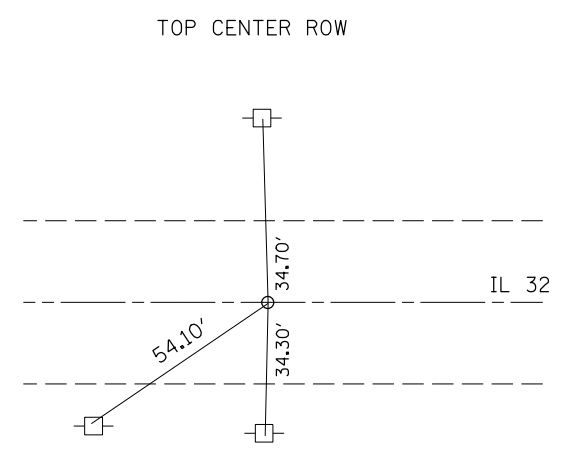
P.C. #76 - PC DISK
STA. 78 + 24.75(BK) = STA. 78 + 22.10(AH)



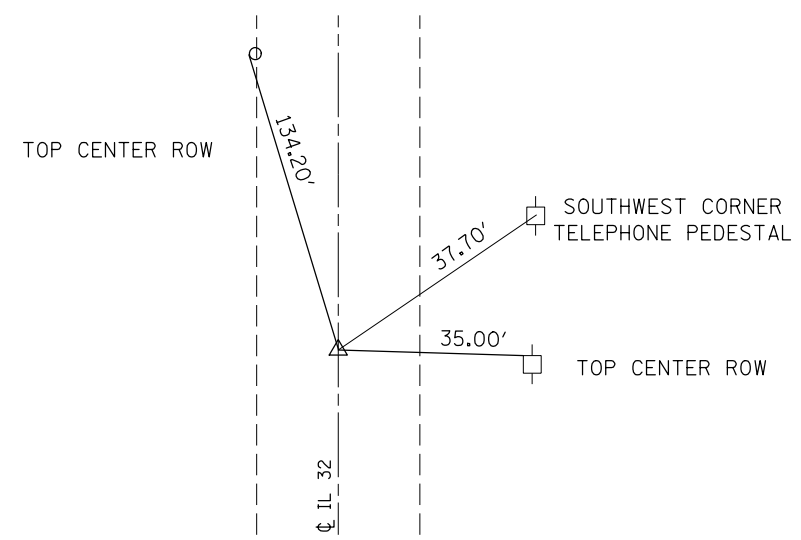
P.C. #76 - PC DISK
STA. 88 + 70.09(BK) = STA. 88 + 72.74(AH)



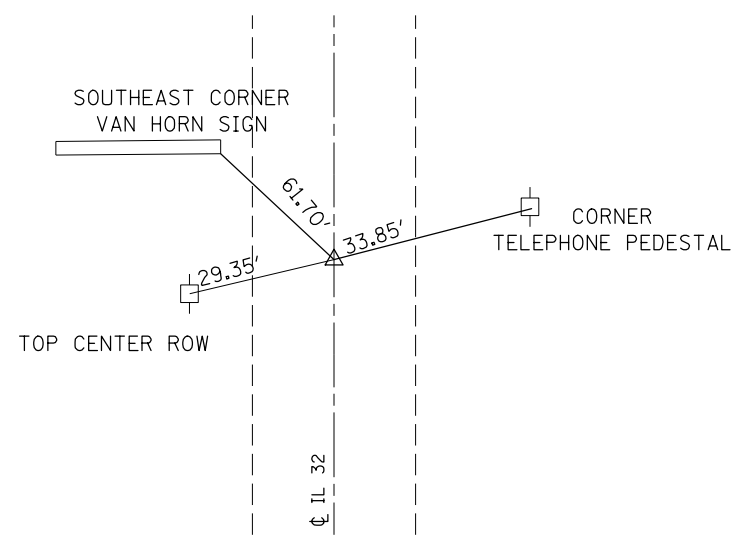
P.C. #78 - PC DISK
STA. 99 + 10.61



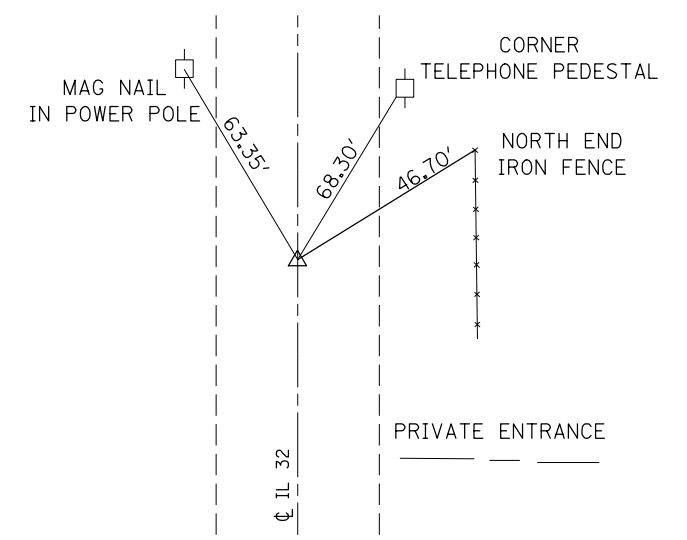
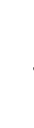
P.T. #80 - PT DISK
STA. 109 + 60.30



P.I. KINK #81 - DISK
STA. 138 + 57.15

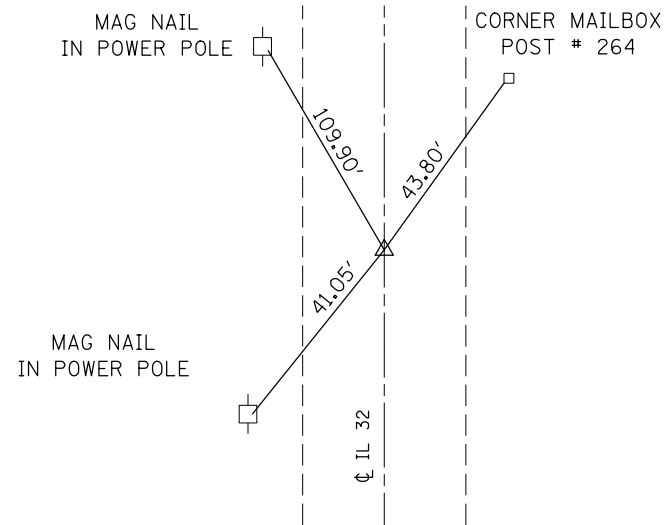


P.I. KINK #82 - DISK
STA. 181 + 69.93



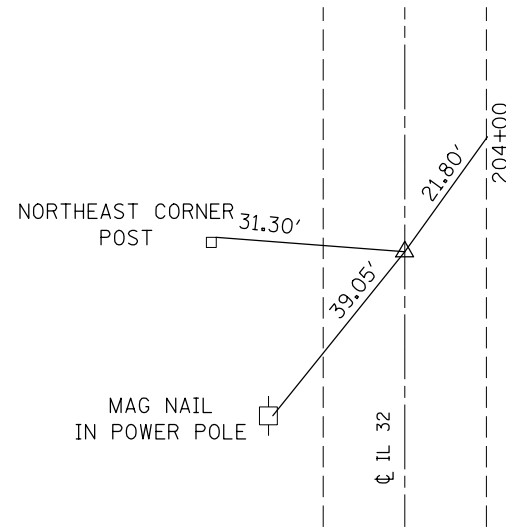
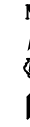
P.C. #83 – PC DISK

STA. 198 + 04.23



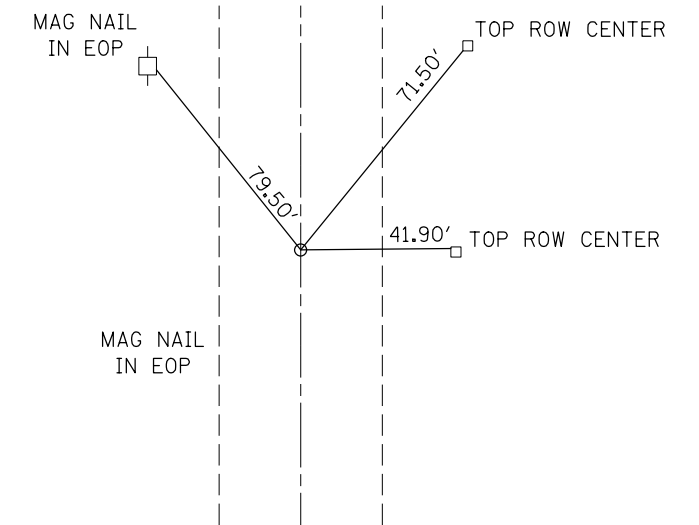
P.I. #84 – PI DISK

STA. 203 + 81.56 (0.62' LT)



P.T. #85 – PT DISK

STA. 209 + 58.88



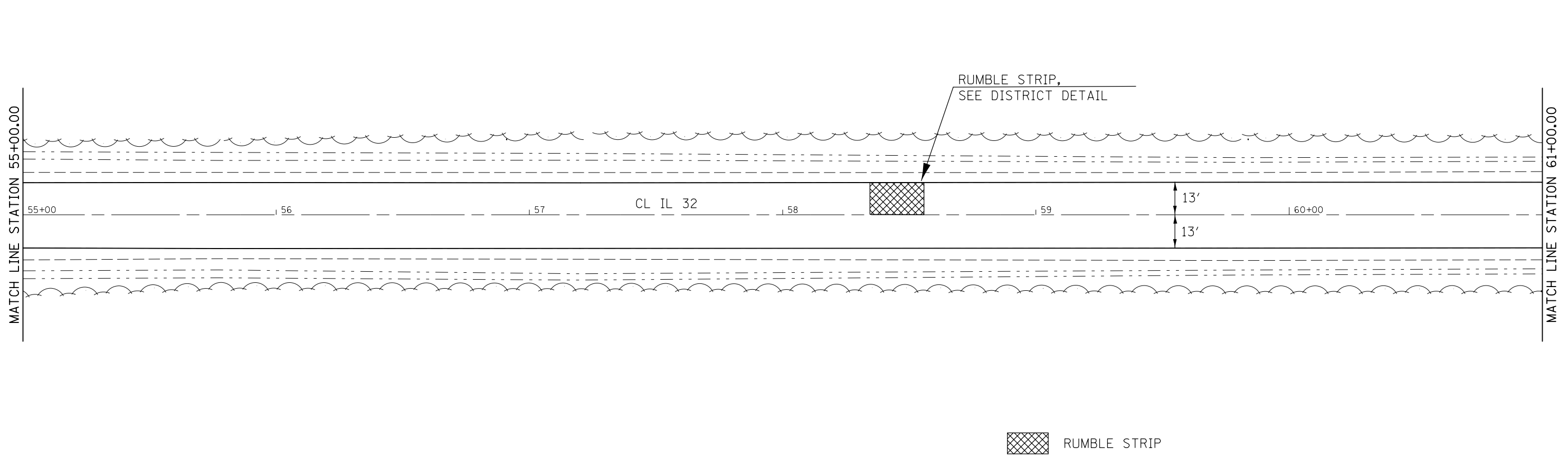
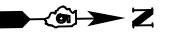
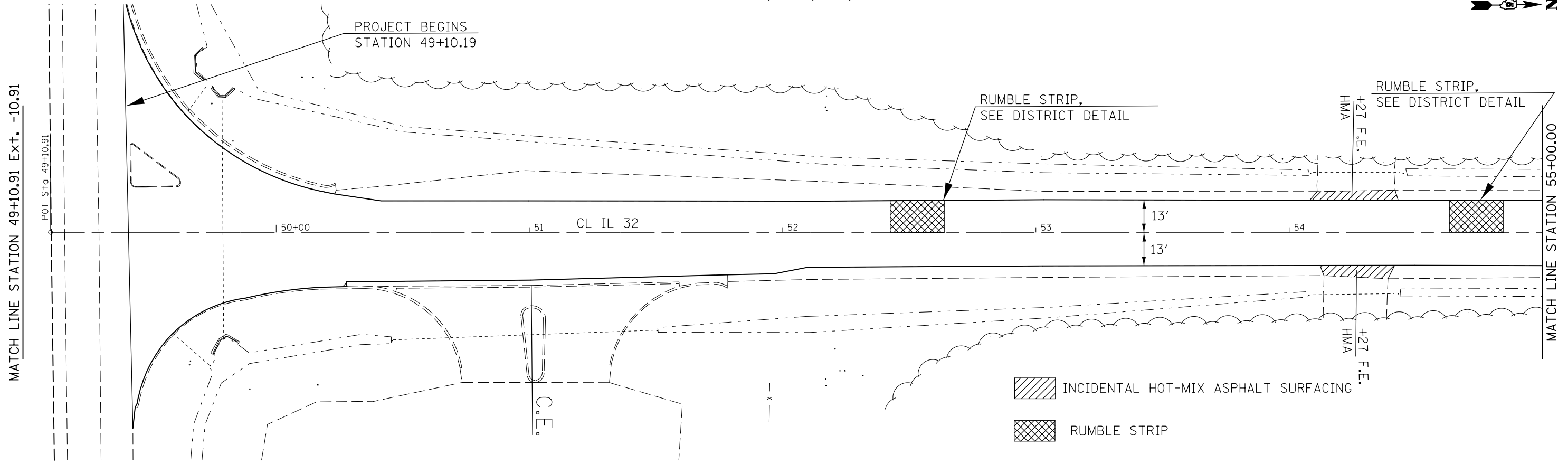
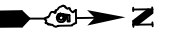
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTERLINE RECOVERY TIE POINTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	16
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	



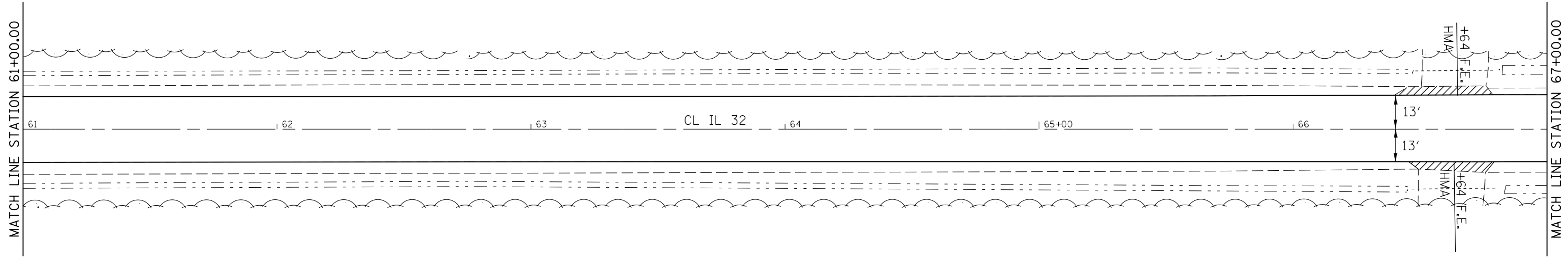
RUMBLE STRIP


FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0570993-sh-Db\Pin.2016		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
*MODELNAME#	PLOT DATE = 1/27/2016	DATE -	REVISED -

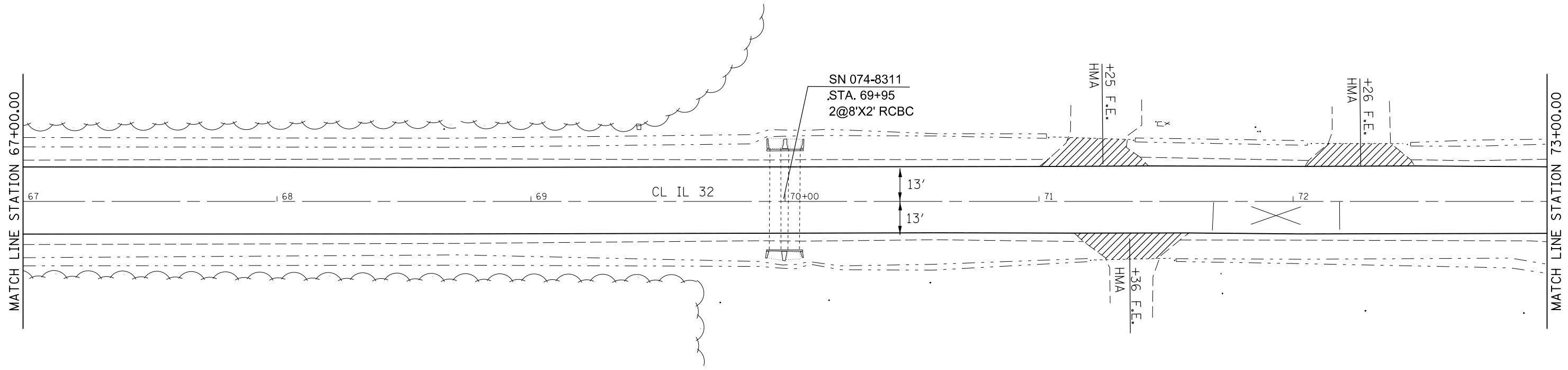
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET
SCALE: SHEET 1 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	17
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	



 INCIDENTAL HOT-MIX ASPHALT SURFACING



 INCIDENTAL HOT-MIX ASPHALT SURFACING

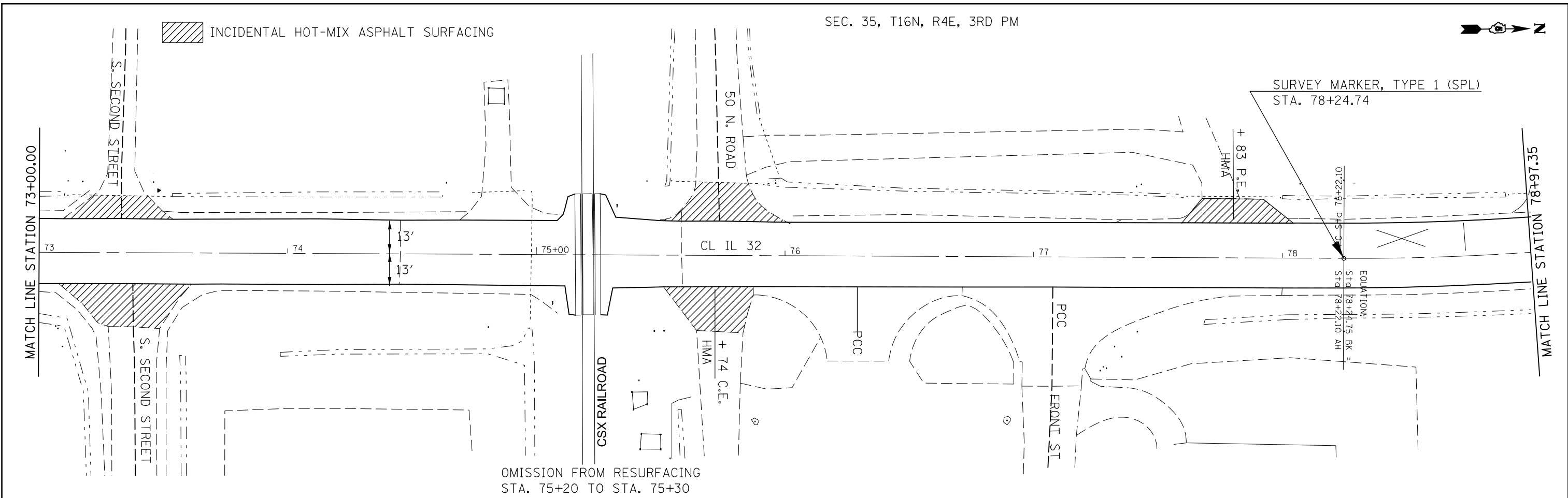
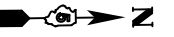
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#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

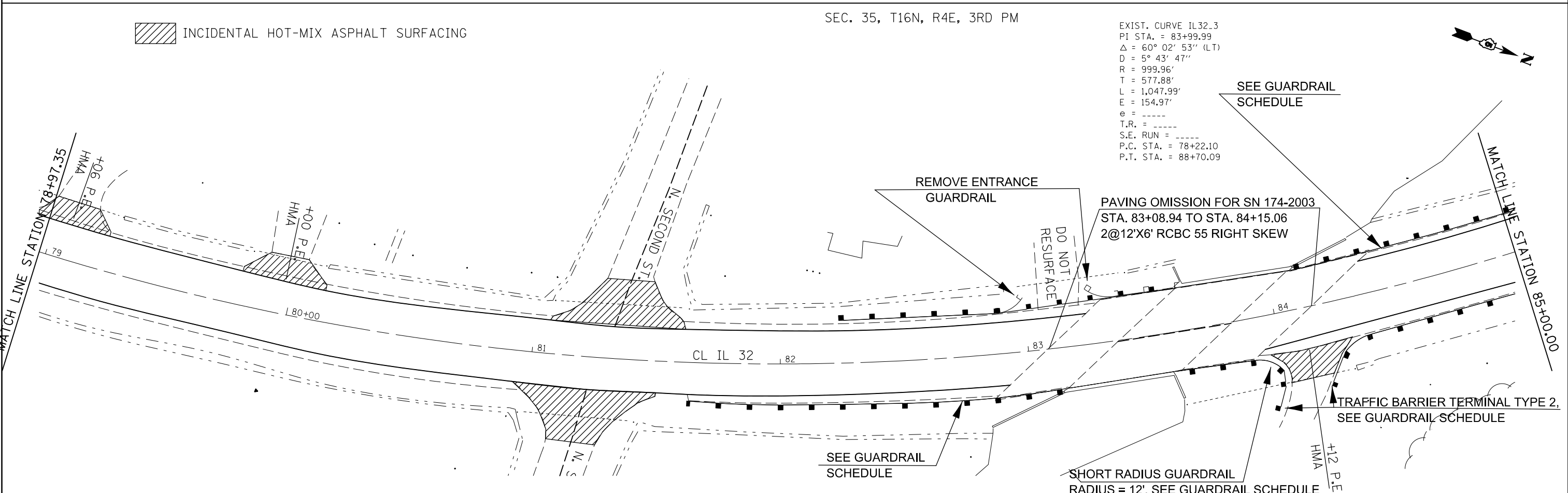
PLAN SHEET

SCALE: SHEET 2 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	18
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	



OMISSION FROM RESURFACING
STA. 75+20 TO STA. 75+30



EXIST. CURVE IL32.3
PI STA. = 83+99.99
Δ = 60° 02' 53" (LT)
D = 5° 43' 47"
R = 999.96'
T = 577.88'
L = 1,047.99'
E = 154.97'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 78+22.10
P.T. STA. = 88+70.09

SEE GUARDRAIL
SCHEDULE

PAVING OMISSION FOR SN 174-2003
STA. 83+08.94 TO STA. 84+15.06
2@12'X6' RCBC 55 RIGHT SKEW

TRAFFIC BARRIER TERMINAL TYPE 2,
SEE GUARDRAIL SCHEDULE

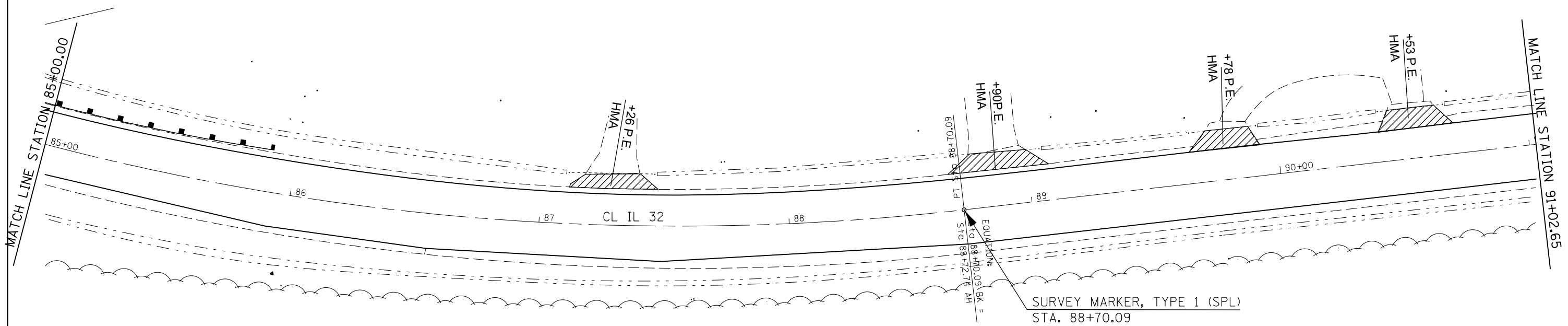
SEE GUARDRAIL
SCHEDULE

SHORT RADIUS GUARDRAIL
RADIUS = 12', SEE GUARDRAIL SCHEDULE

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0579993-shr-DblPln.26.dwg		CHECKED -	REVISED -		758	3RS-4&(4,5)RS-2	PIATT	49	19		
#MODELNAME#	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		SCALE: SHEET 3 OF 18 SHEETS STA. TO STA.		CONTRACT NO. 70993				
	PLOT DATE = 1/27/2016						ILLINOIS FED. AID PROJECT				

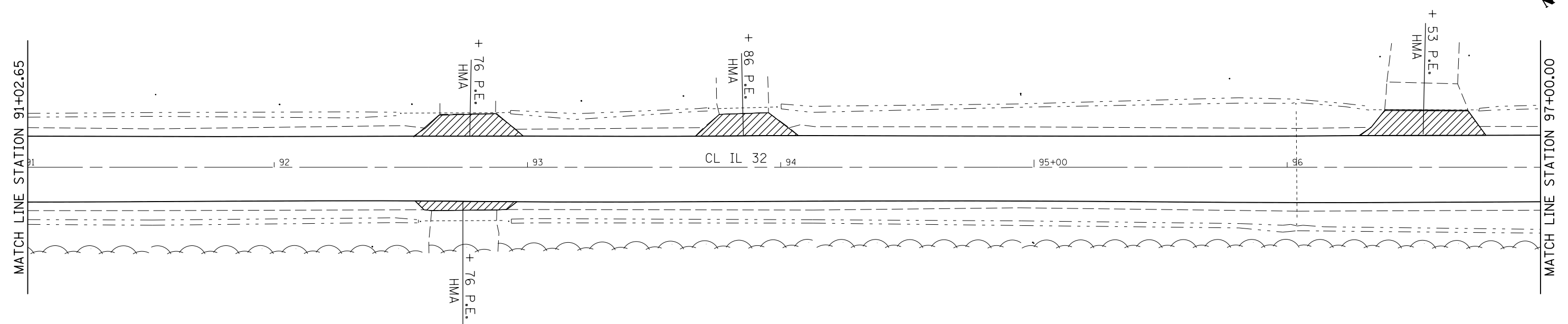
INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 35, T16N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 35, T16N, R4E, 3RD PM




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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

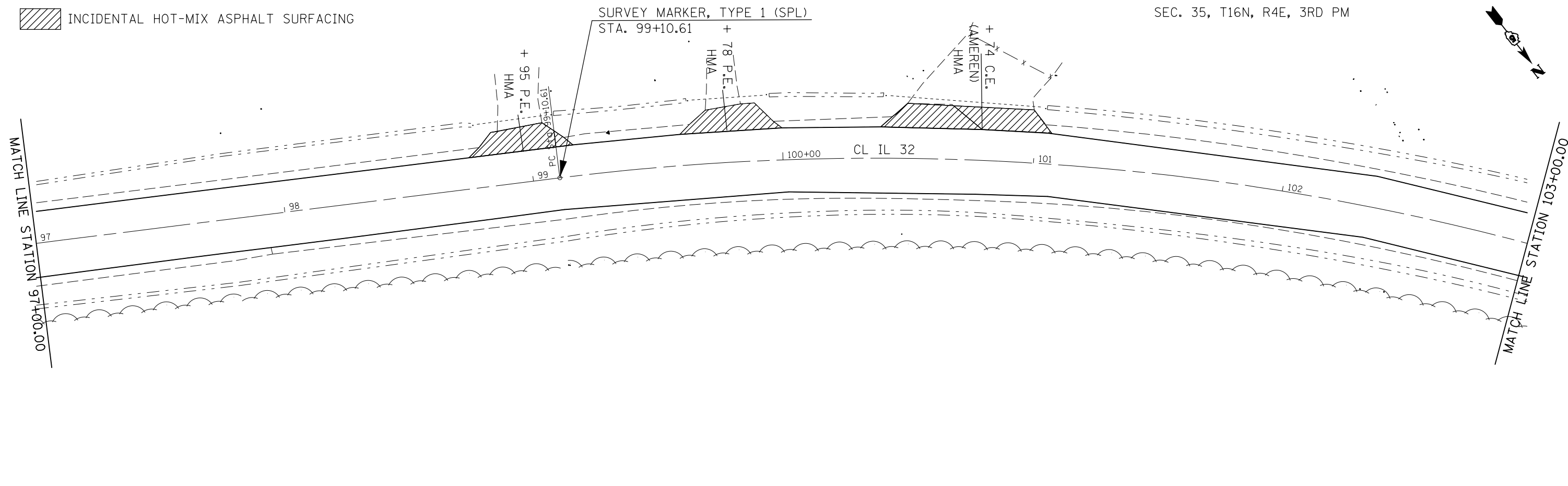
PLAN SHEET

SCALE: SHEET 4 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	20
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

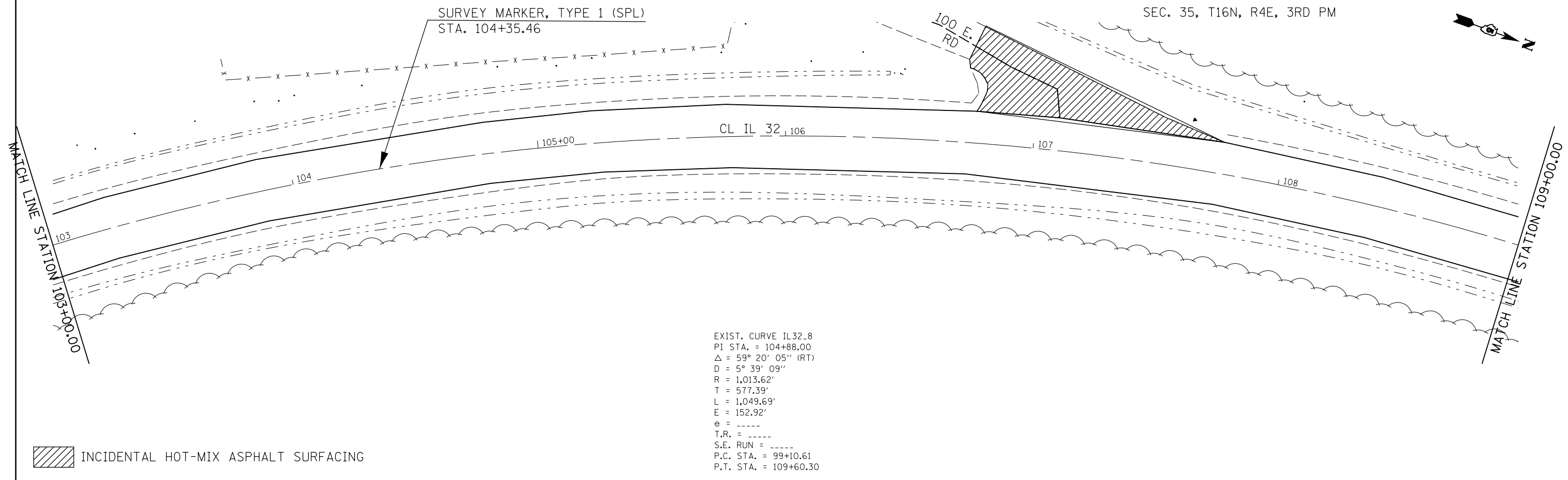
 INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 35, T16N, R4E, 3RD PM



 INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 35, T16N, R4E, 3RD PM



EXIST. CURVE IL32.8
 PI STA. = 104+88.00
 $\Delta = 59^\circ 20' 05''$ (RT)
 $D = 5^\circ 39' 09''$
 $R = 1,013.62'$
 $T = 577.39'$
 $L = 1,049.69'$
 $E = 152.92'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 99+10.61
 P.T. STA. = 109+60.30

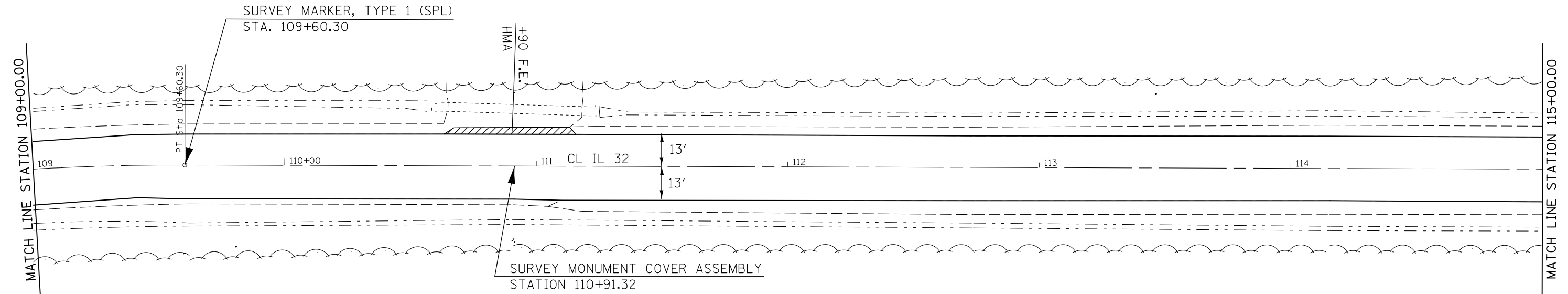
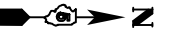
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	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET
 SCALE: SHEET 5 OF 18 SHEETS STA. TO STA.

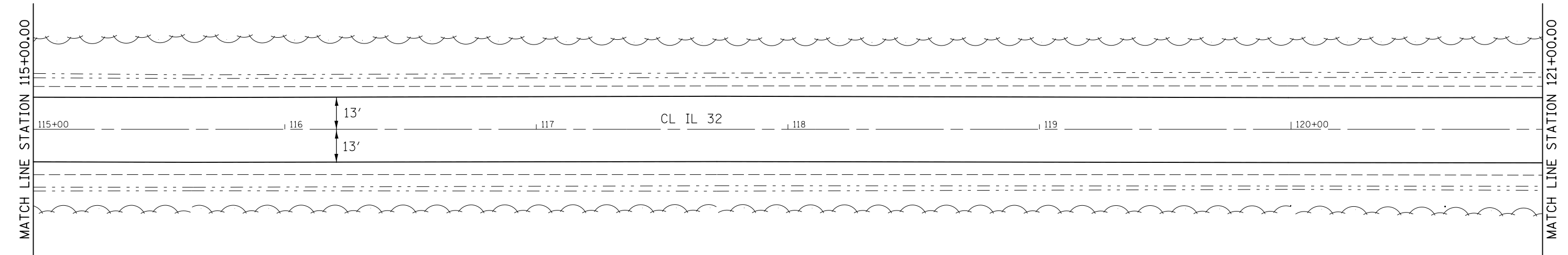
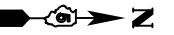
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	21
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

SEC. 27, T16N, R4E, 3RD PM



SEC. 26, T16N, R4E, 3RD PM

SEC. 27, T16N, R4E, 3RD PM

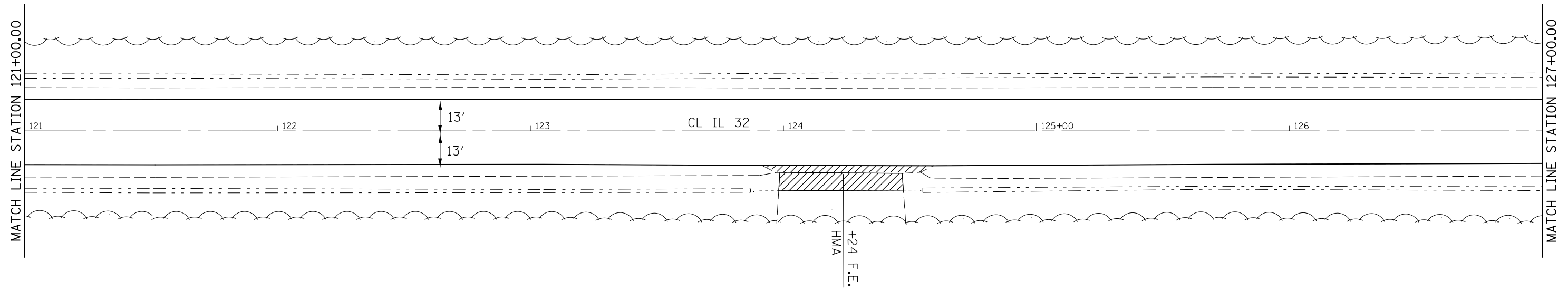
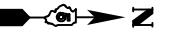


SEC. 26, T16N, R4E, 3RD PM

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0579\BROWNS\0579\Design\0579993-shr-DblPin.2016.dwg	DESIGNED -	REVISED -	758				3RS-4&(4,5)RS-2	PIATT	49	22		
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:		SHEET 6 OF 18 SHEETS		STA.	TO STA.	CONTRACT NO. 70993	
	PLOT DATE = 1/27/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

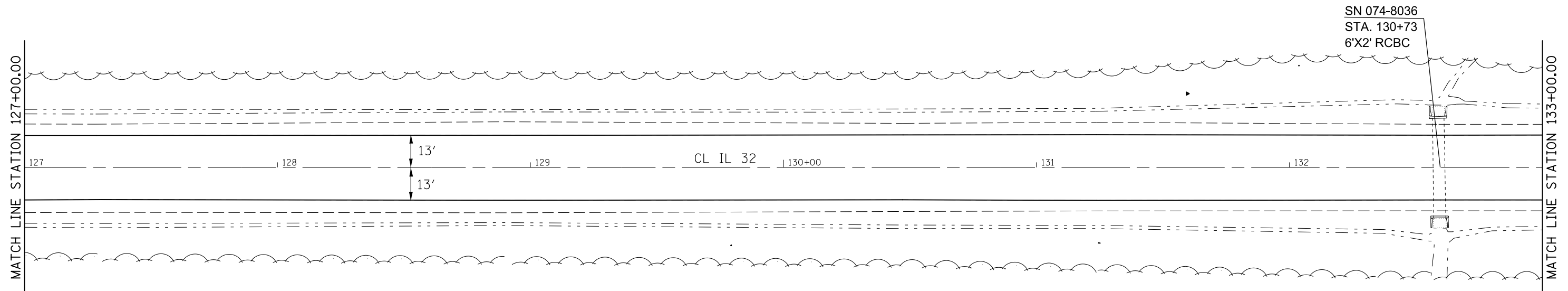
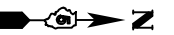
INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 27, T16N, R4E, 3RD PM



SEC. 26, T16N, R4E, 3RD PM

SEC. 27, T16N, R4E, 3RD PM



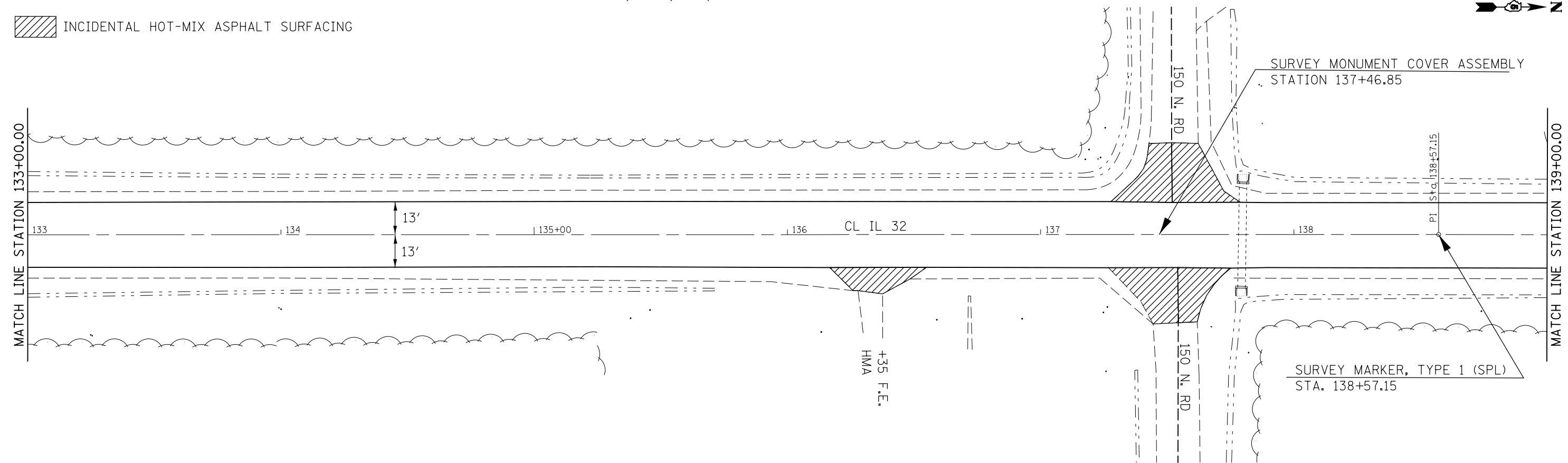
SEC. 26, T16N, R4E, 3RD PM

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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MODELNAME	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 7 OF 18 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 1/27/2016	DATE -	REVISED -									

SEC. 27, T16N, R4E, 3RD PM

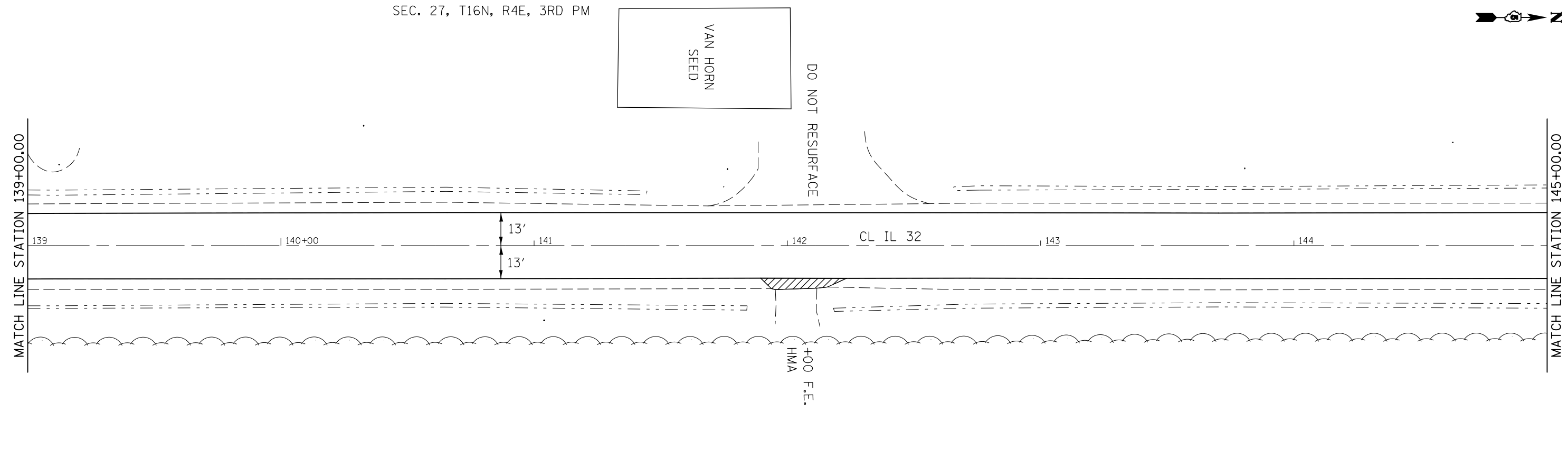
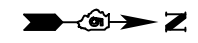


 INCIDENTAL HOT-MIX ASPHALT SURFACING



SEC. 26, T16N, R4E, 3RD PM

SEC. 27, T16N, R4E, 3RD PM



 INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 26, T16N, R4E, 3RD PM

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 1/27/2016	DATE -	REVISED -

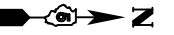
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

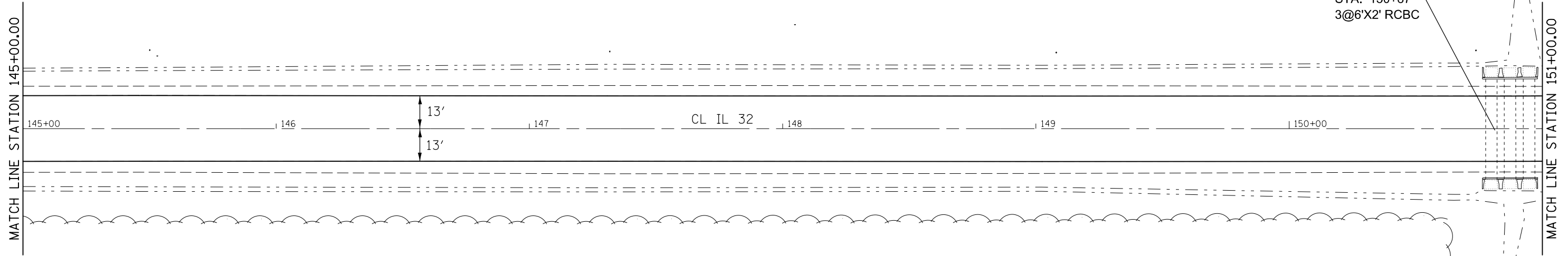
SCALE: SHEET 8 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	24
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	


SEC. 27, T16N, R4E, 3RD PM



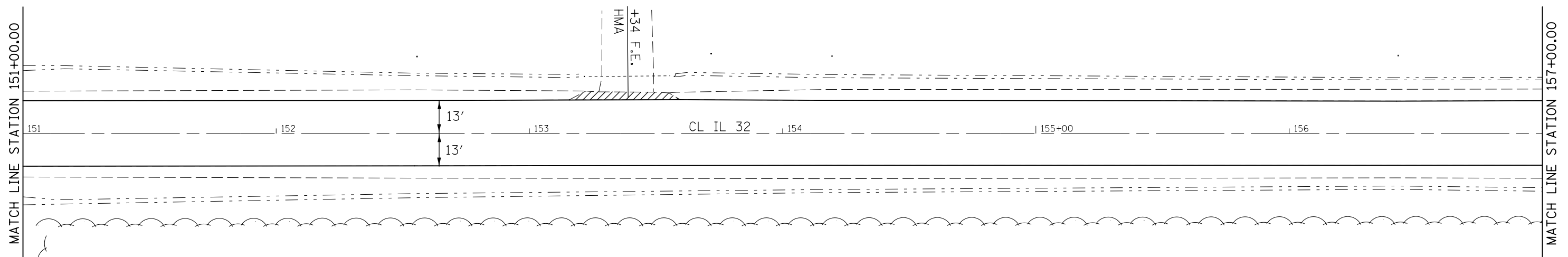
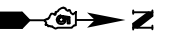
SN 074-2004
STA. 150+87
3@6'X2' RCBC



SEC. 26, T16N, R4E, 3RD PM

 INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 27, T16N, R4E, 3RD PM



SEC. 26, T16N, R4E, 3RD PM

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
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	PLOT DATE = 1/27/2016	DATE -	REVISED -

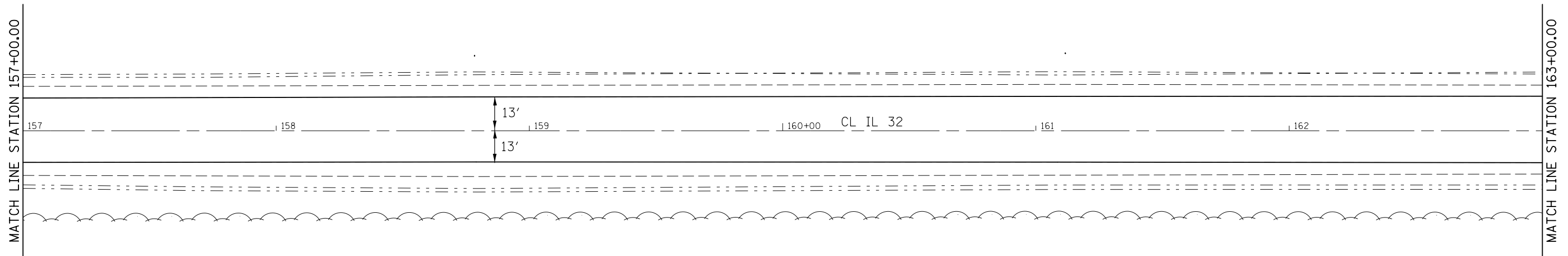
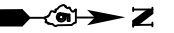
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 9 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	25
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

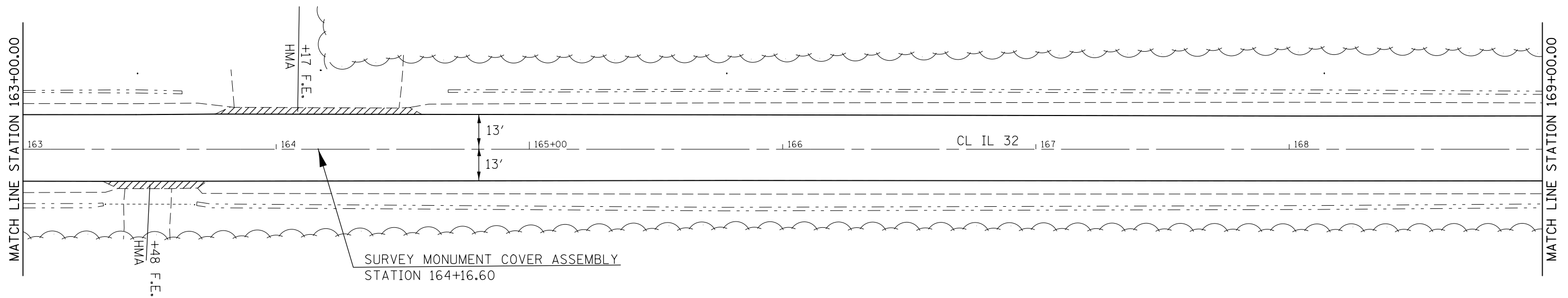
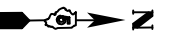
SEC. 27, T16N, R4E, 3RD PM



SEC. 26, T16N, R4E, 3RD PM

SEC. 27, T16N, R4E, 3RD PM

SEC. 22, T16N, R4E, 3RD PM



SEC. 26, T16N, R4E, 3RD PM

SEC. 23, T16N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

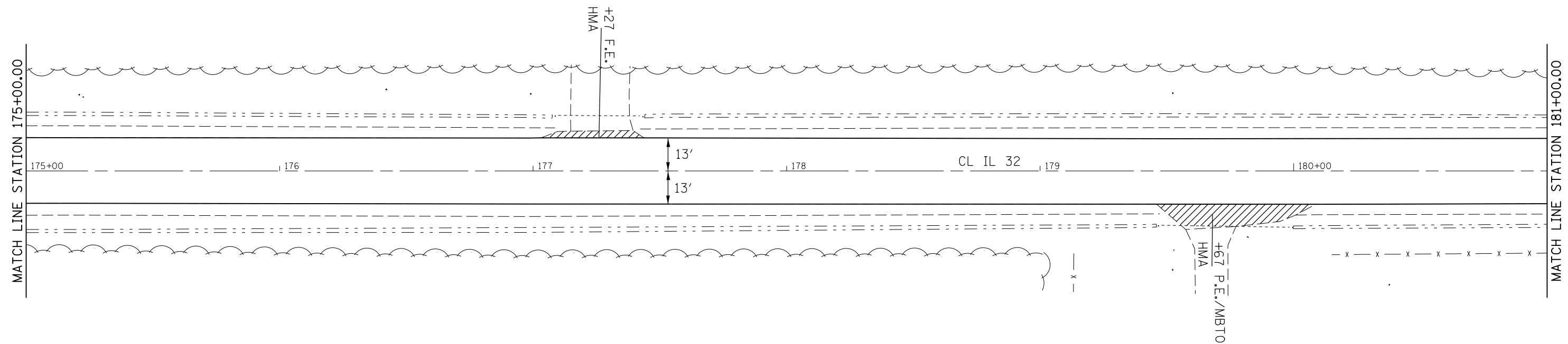
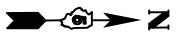
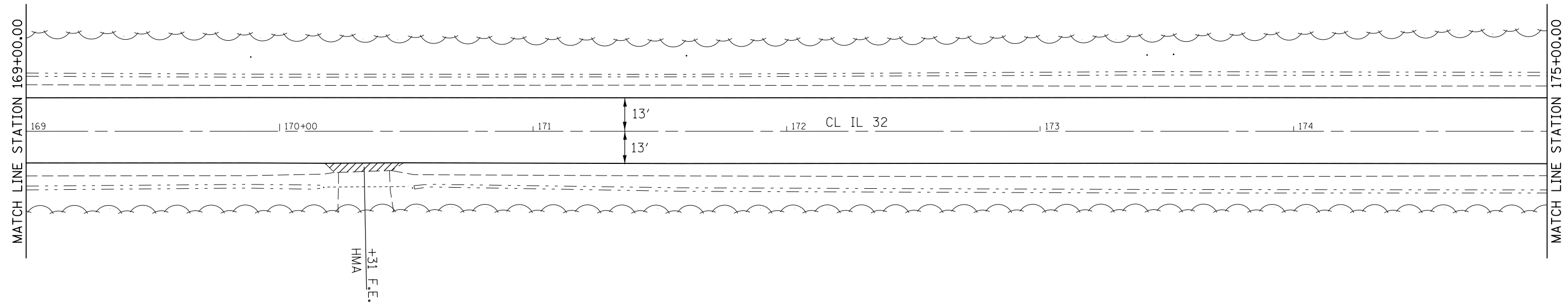
PLAN SHEET


SCALE: SHEET 10 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	26
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	



 INCIDENTAL HOT-MIX ASPHALT SURFACING



 INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\0579993-shr-DblPln.2016.dwg		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

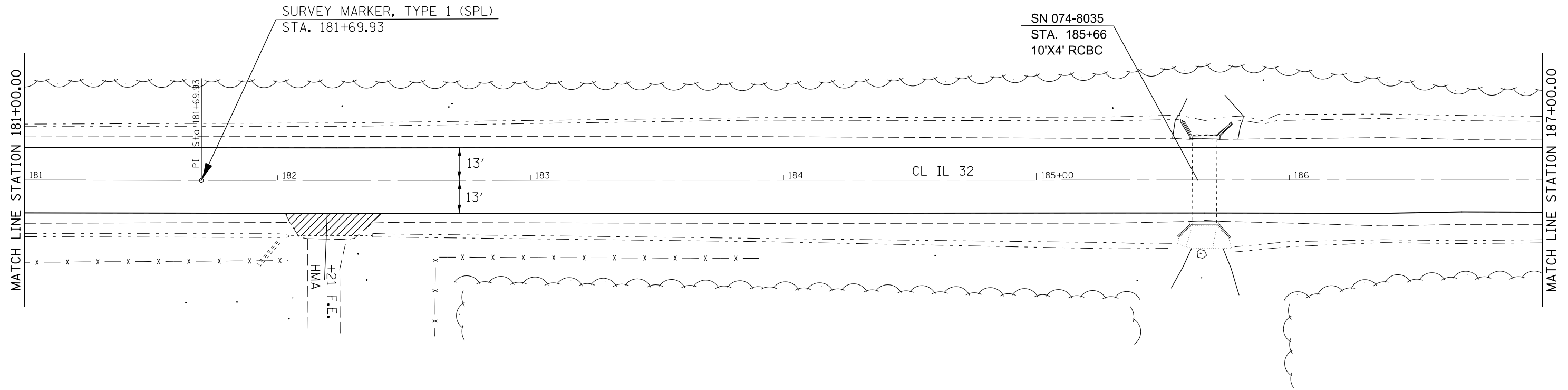
PLAN SHEET

SCALE: SHEET 11 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	27
CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

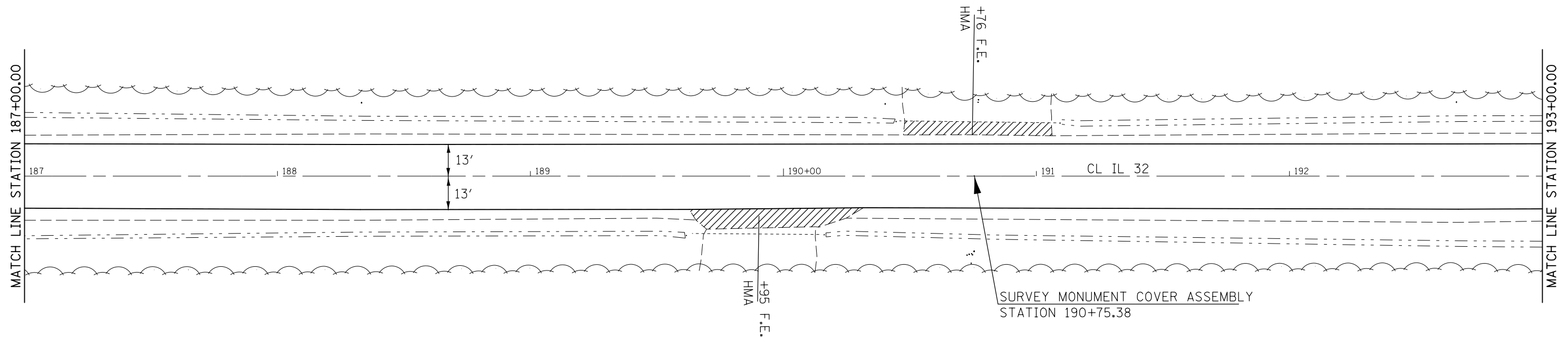
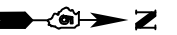
INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 22, T16N, R4E, 3RD PM



SEC. 23, T16N, R4E, 3RD PM

SEC. 22, T16N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 23, T16N, R4E, 3RD PM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

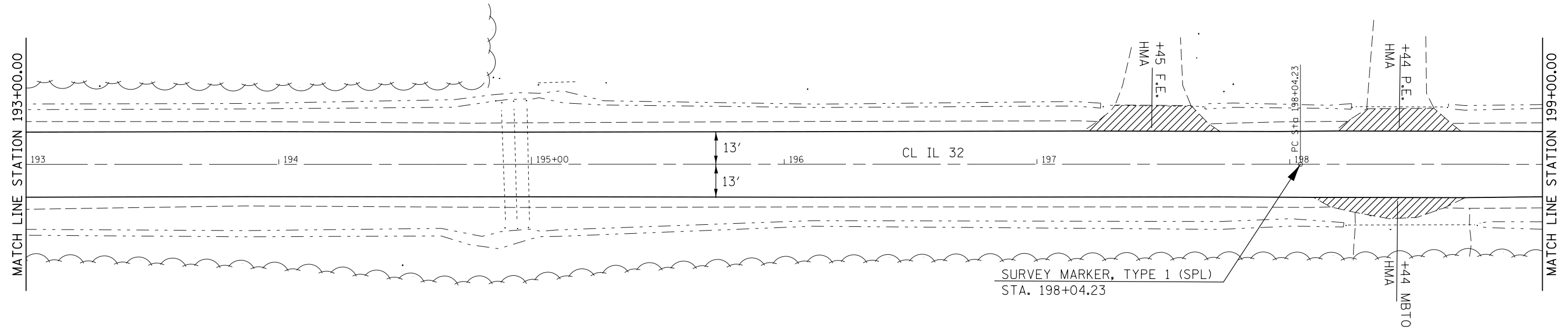
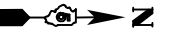
PLAN SHEET

SCALE: SHEET 12 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

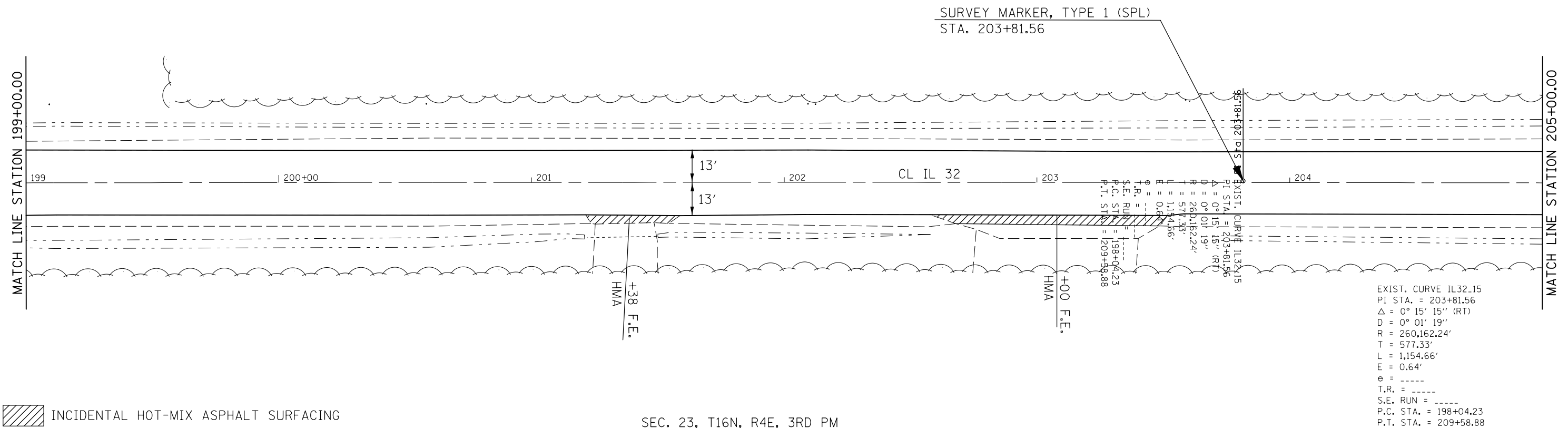
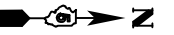
INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 22, T16N, R4E, 3RD PM



SEC. 23, T16N, R4E, 3RD PM

SEC. 22, T16N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 23, T16N, R4E, 3RD PM

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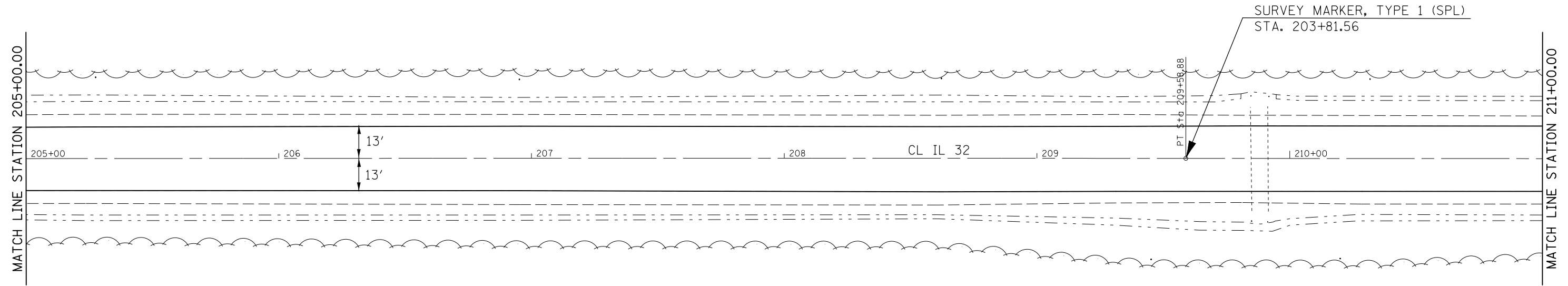
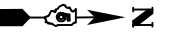
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 13 OF 18 SHEETS STA. TO STA.

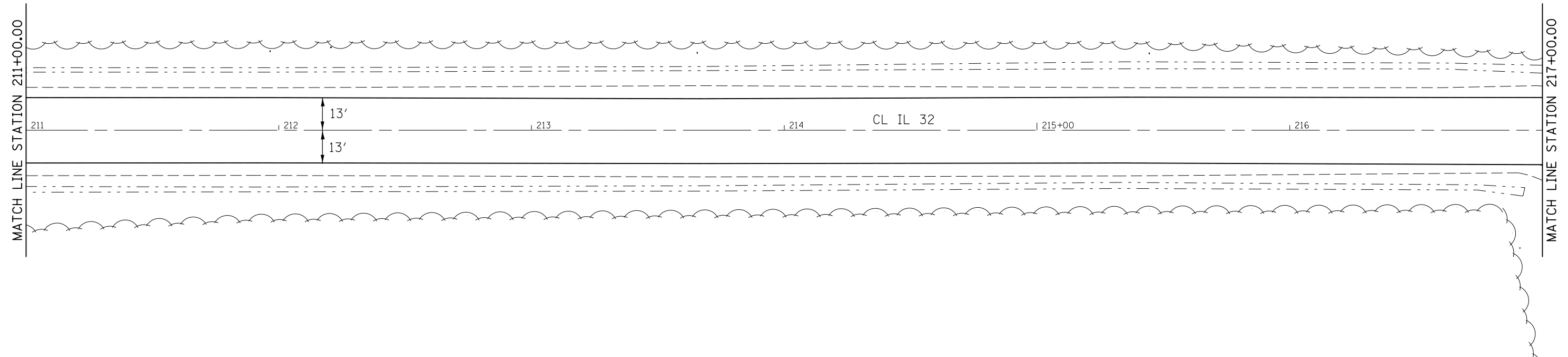
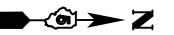
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CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

SEC. 22, T16N, R4E, 3RD PM



SEC. 23, T16N, R4E, 3RD PM

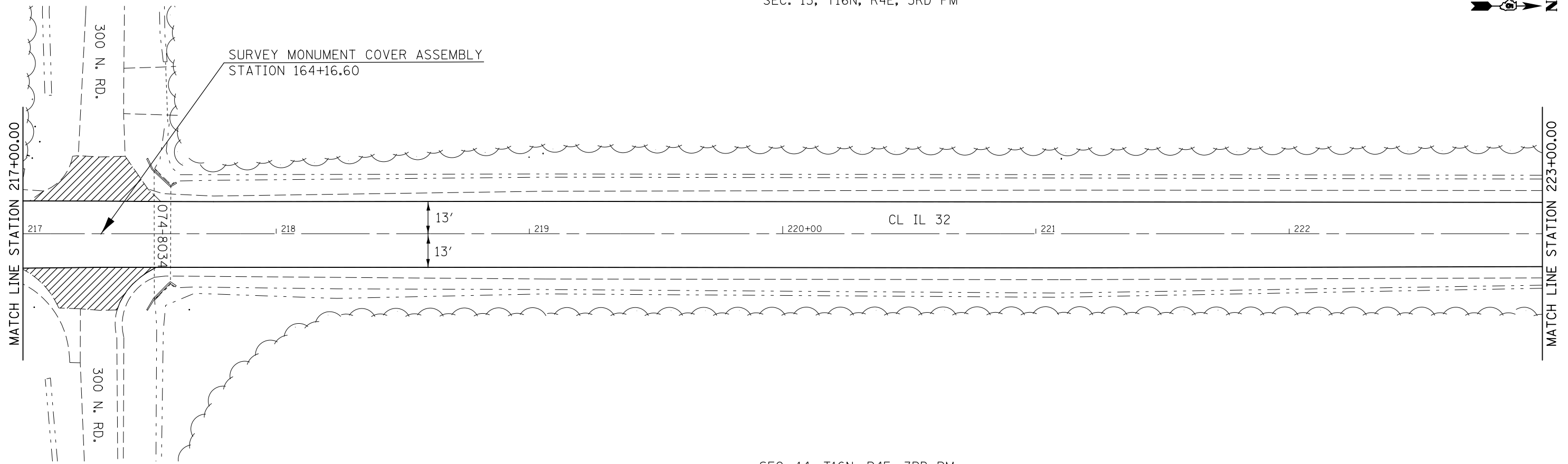
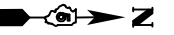
SEC. 22, T16N, R4E, 3RD PM



SEC. 23, T16N, R4E, 3RD PM

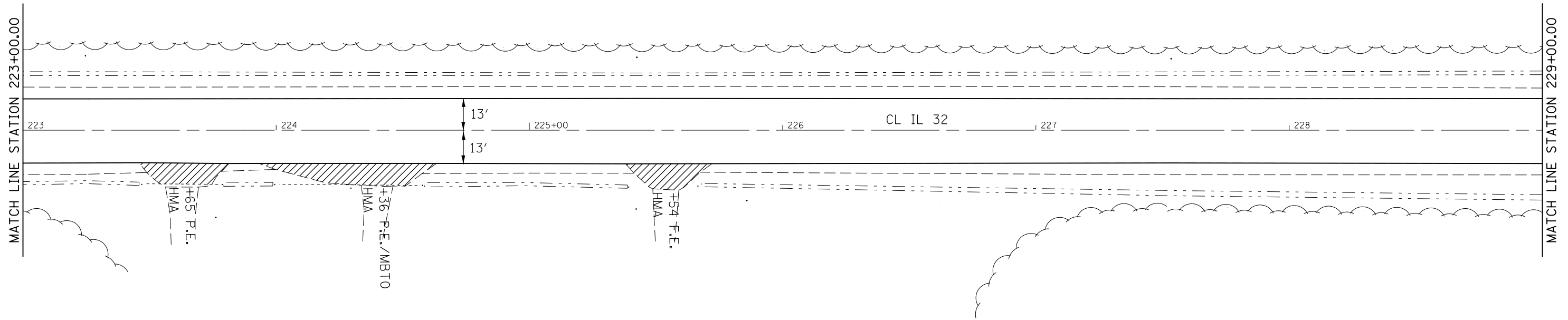
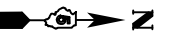
FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\BROWNDATA\Design\0570993-shr-Db\Pin.2016	DESIGNED -	REVISED -	758					3RS-4&(4,5)RS-2	PIATT	49	30	
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/27/2016	DATE -	REVISED -		SCALE:	SHEET 14 OF 18 SHEETS	STA. TO STA.					

SEC. 15, T16N, R4E, 3RD PM



SEC. 14, T16N, R4E, 3RD PM

SEC. 15, T16N, R4E, 3RD PM



SEC. 14, T16N, R4E, 3RD PM

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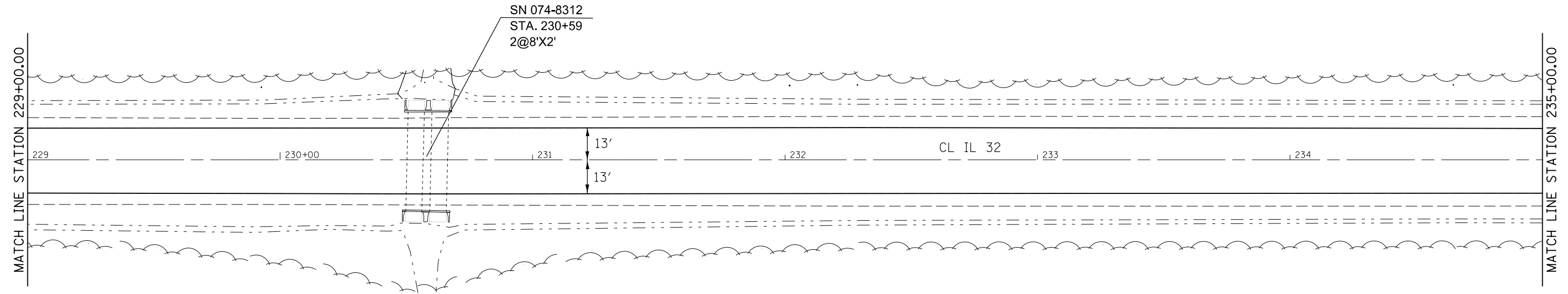
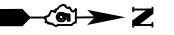
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET 15 OF 18 SHEETS STA. TO STA.

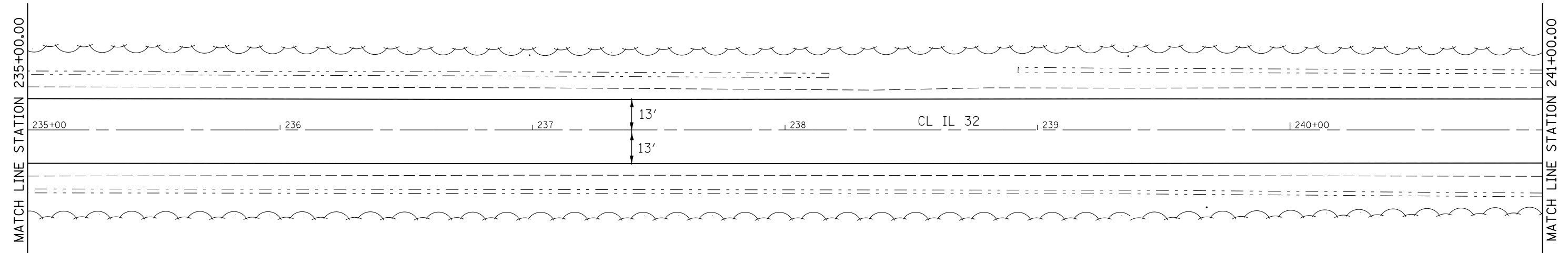
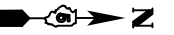
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

SEC. 15, T16N, R4E, 3RD PM



SEC. 14, T16N, R4E, 3RD PM

SEC. 15, T16N, R4E, 3RD PM

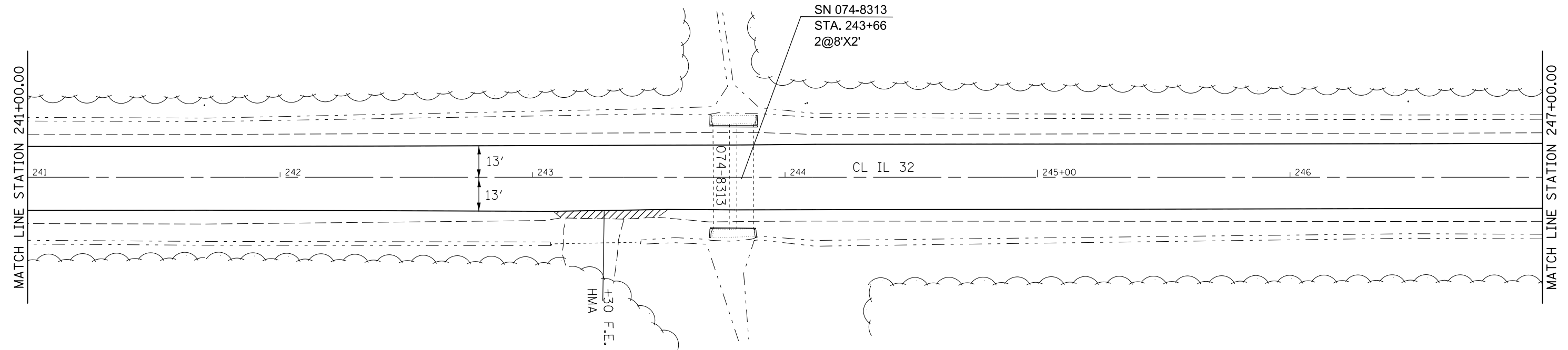
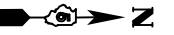


SEC. 14, T16N, R4E, 3RD PM

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET 16 OF 18 SHEETS STA. TO STA.			CONTRACT NO. 70993				
	PLOT DATE = 1/27/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

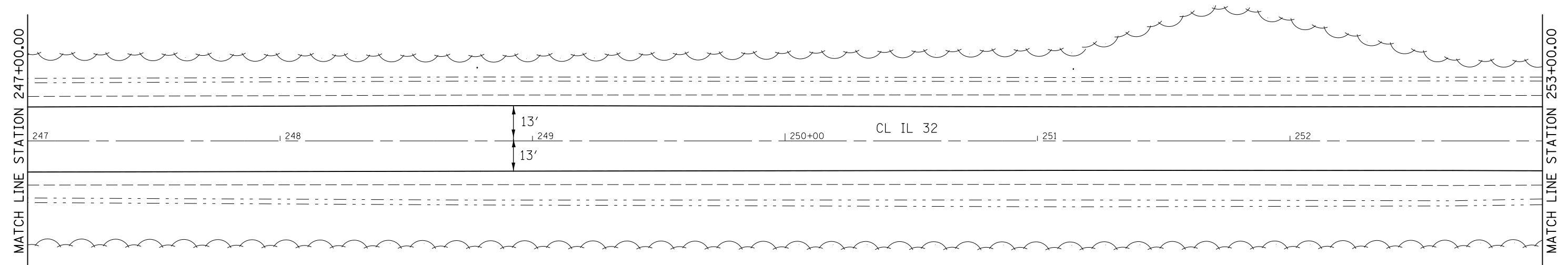
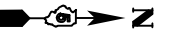
INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC. 15, T16N, R4E, 3RD PM



SEC. 14, T16N, R4E, 3RD PM

SEC. 15, T16N, R4E, 3RD PM



SEC. 14, T16N, R4E, 3RD PM

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MODELNAME	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

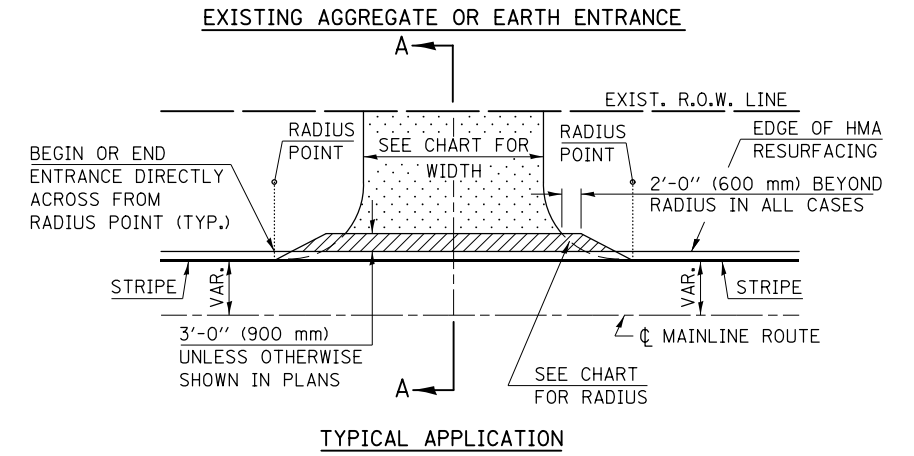
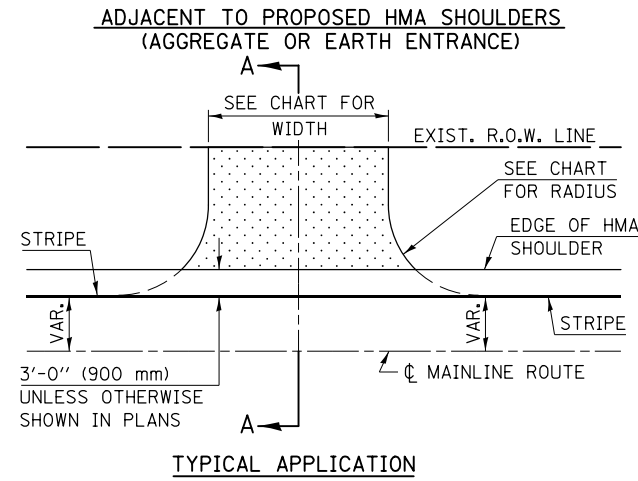
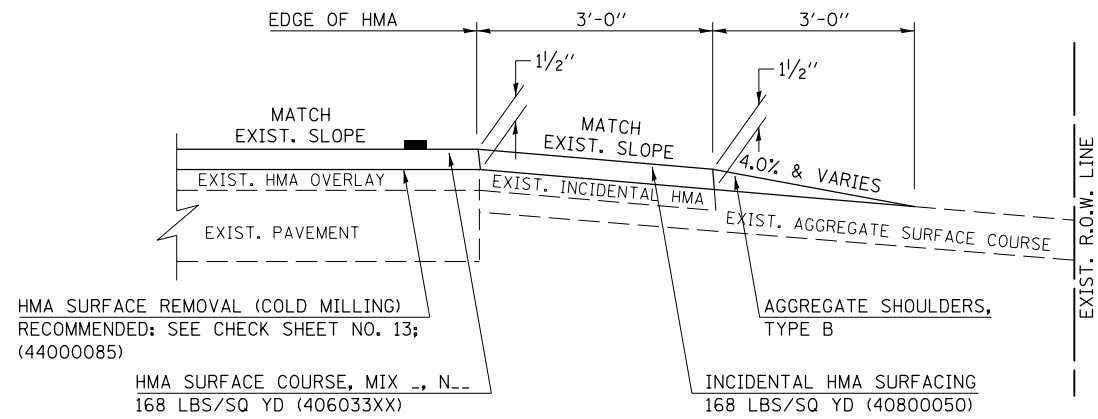
SCALE: SHEET 17 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70993			ILLINOIS FED. AID PROJECT	

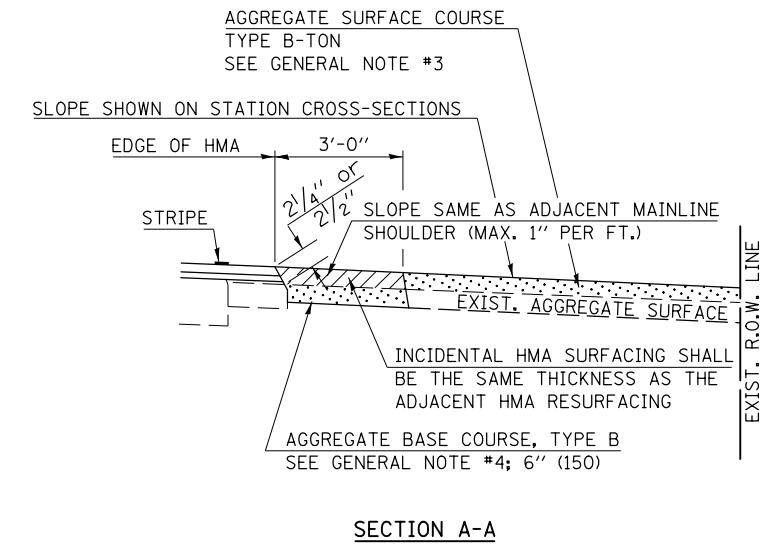
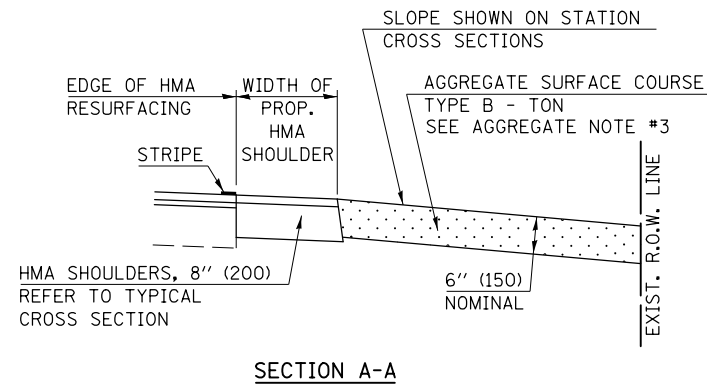
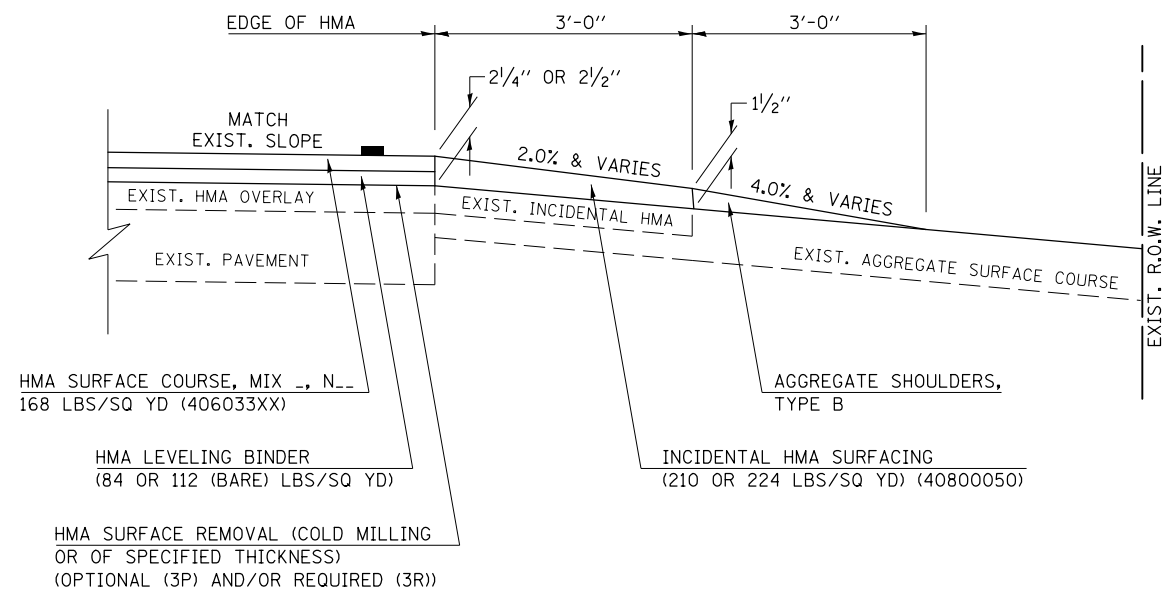
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1/2")



"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2/4" OR 2/2" ON BARE CONCRETE)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/01/06 TJB
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		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

DISTRICT 5 DETAIL NO. 40800050A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	35
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																	
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM										
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL				
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL				
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.			
SURFACE WIDTH (FT)							1 LANE, 1 WAY						1 LANE, 1 WAY				
	12	16	24	24	30	14	16	24									
							2 LANE, 2 WAY						2 LANE, 2 WAY				
						24	30	35	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them								
RADIUS (FT)	15	25	40	30		20	30	50									
SHOULDER WIDTH (FT)	2	2		2		1	3										
SHOULDER SLOPE (%)	2	4	6	4		2	4	6									
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10									
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10									
SURFACE TYPE																	
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder								
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02								
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8									

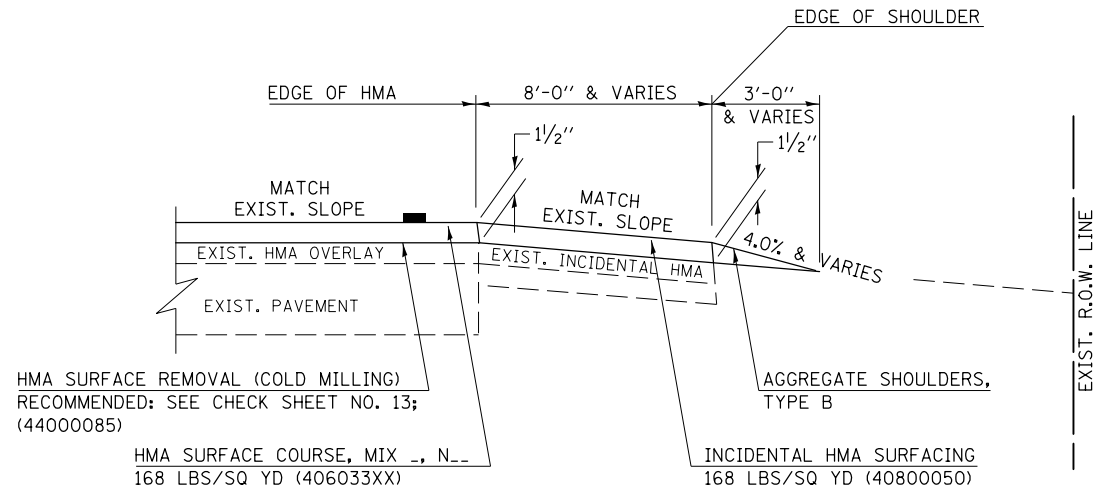
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050A

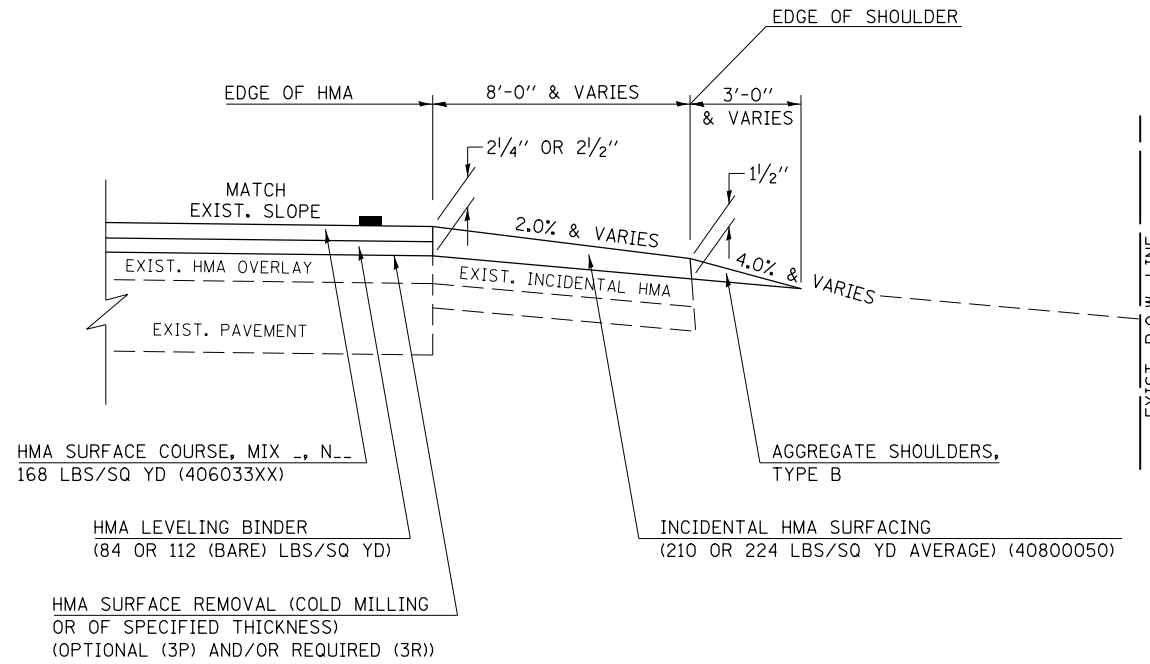
FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 12/01/06 TJB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIELD ENTRANCES (NONCOMMERCIAL RURAL)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0579\Drawings\Design\057993-shr-details.dwg	DRAWN	REVISED - 09/21/07 KAG	758			3RS-4&(4,5)RS-2	PIATT	49	36	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 04/30/08 KJT	CONTRACT NO. 70993							
PLOT DATE = 1/27/2016	DATE -	REVISED -	SCALE: NA			SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")



"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

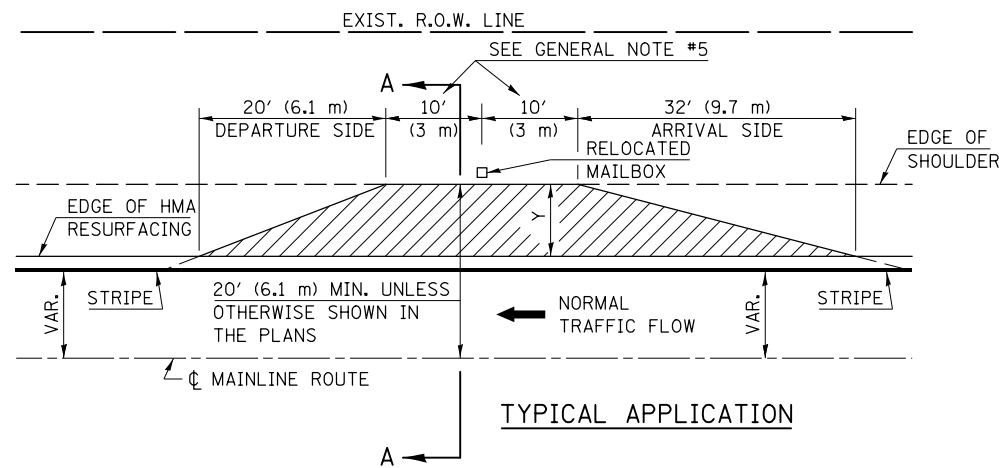


GENERAL NOTES

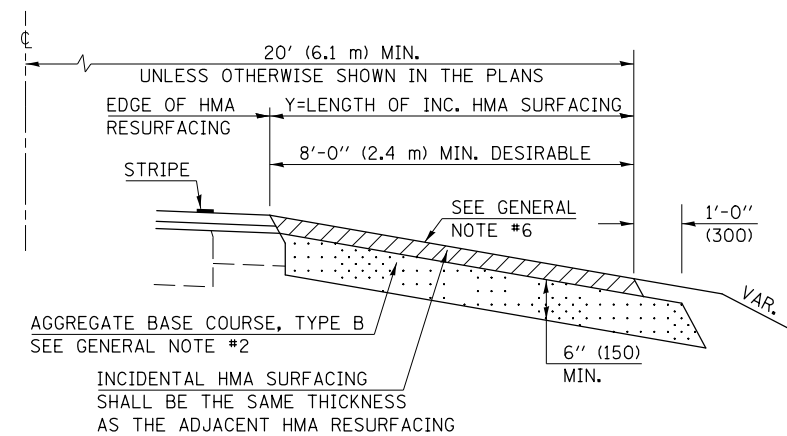
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"'/) DESIRABLE; MAXIMUM 8% (1"'/).
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

PROJECTS WITH RECONSTRUCTION

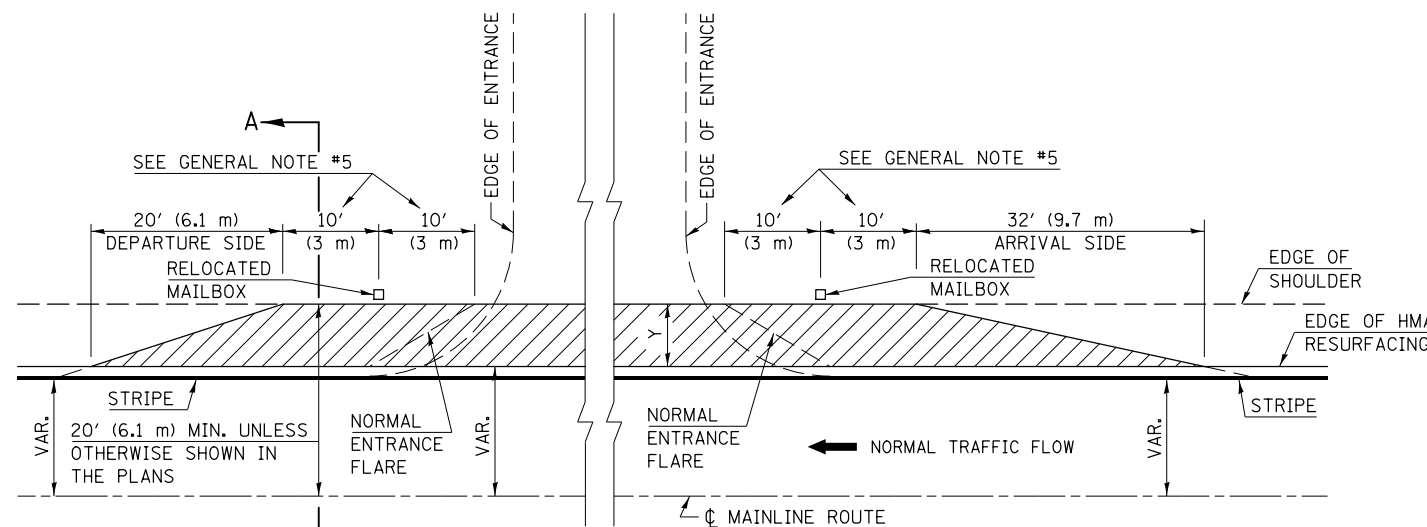
("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/11/06 TJB
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

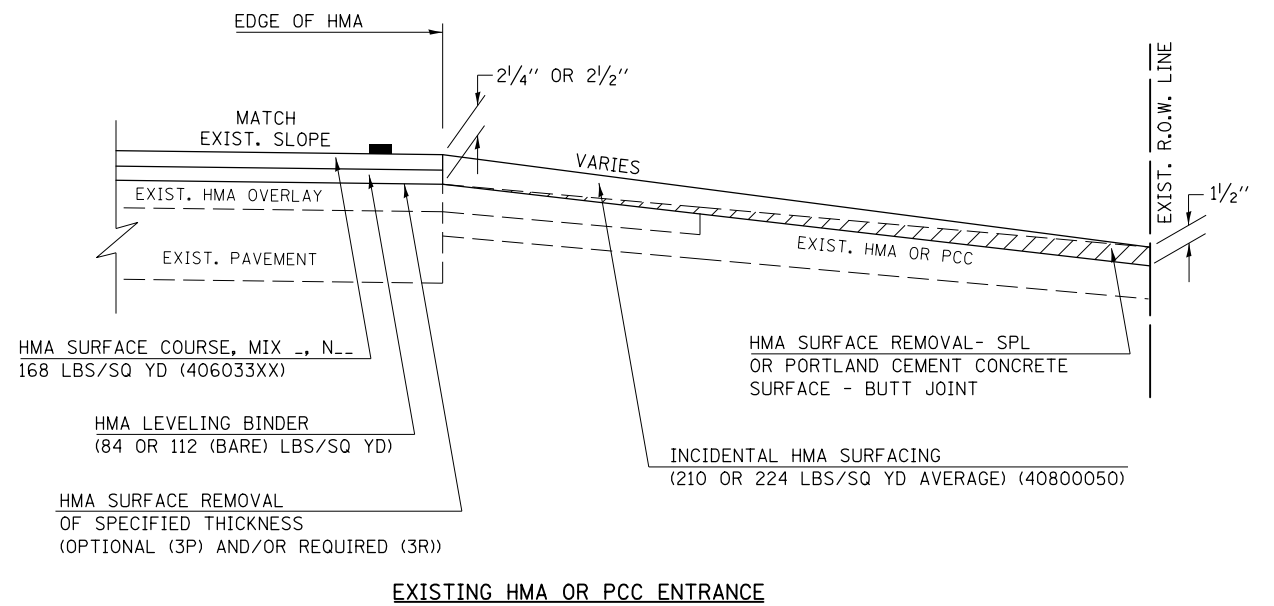
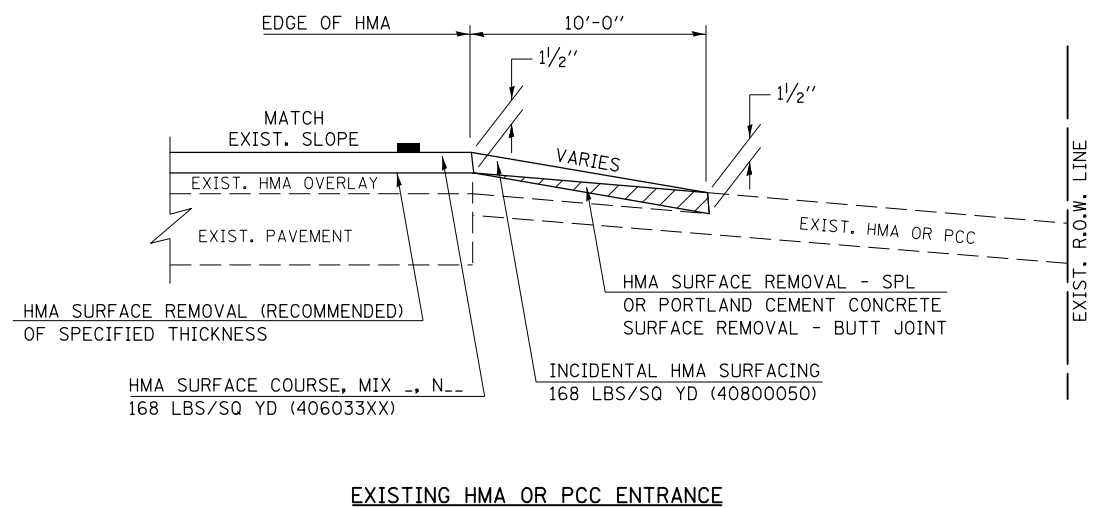
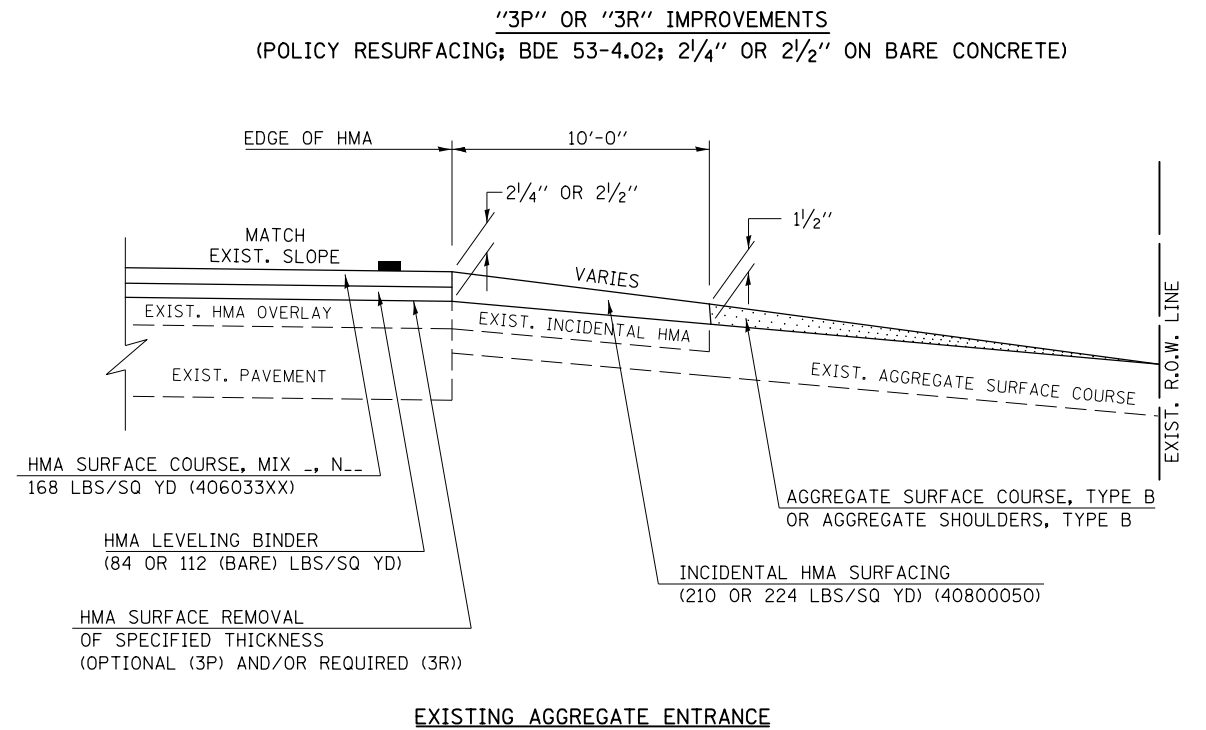
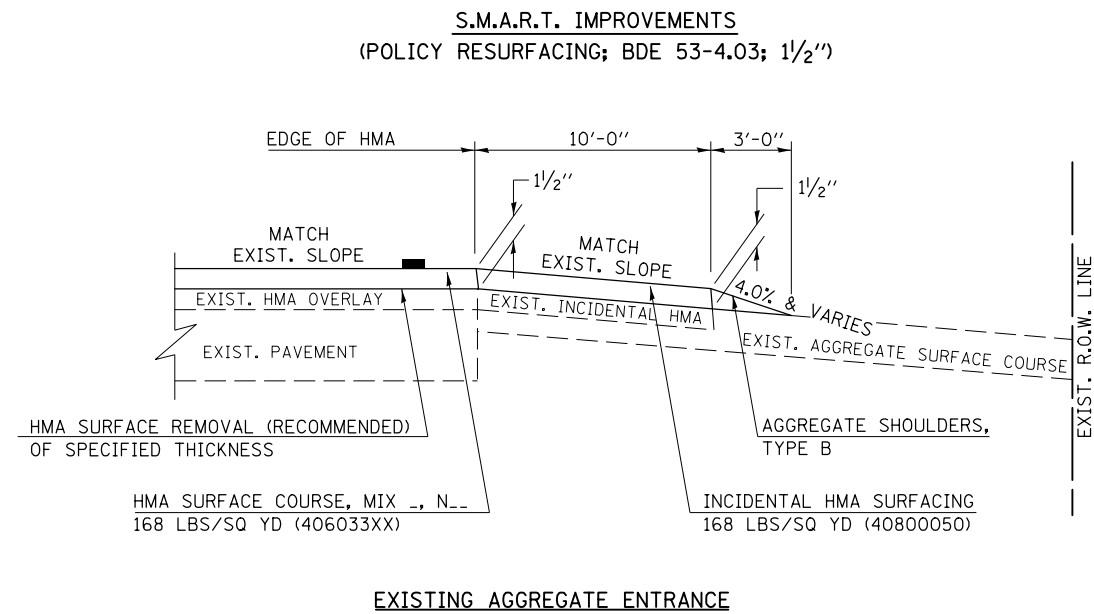
MAILBOX TURNOUT (RURAL)

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

DISTRICT 5 DETAIL NO. 4080050B

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	37
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050C

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/08/06 TJB
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\BANDesign\057993-shd-details.dwg		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 05/02/08 KJT
	PLOT DATE = 1/27/2016	DATE -	REVISED - 04/23/10 KJT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

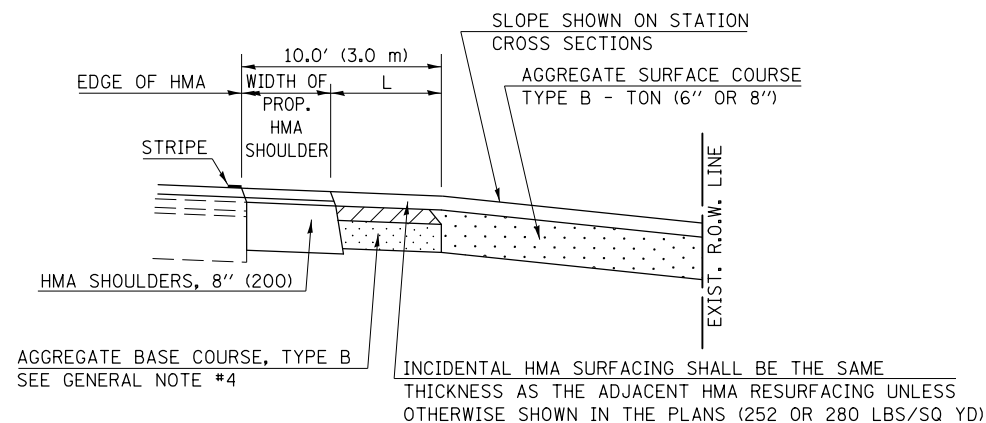
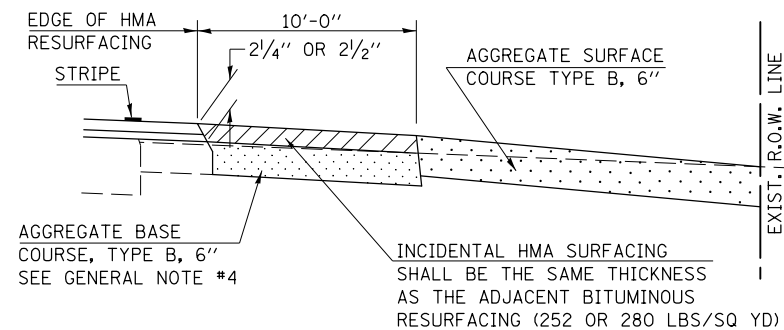
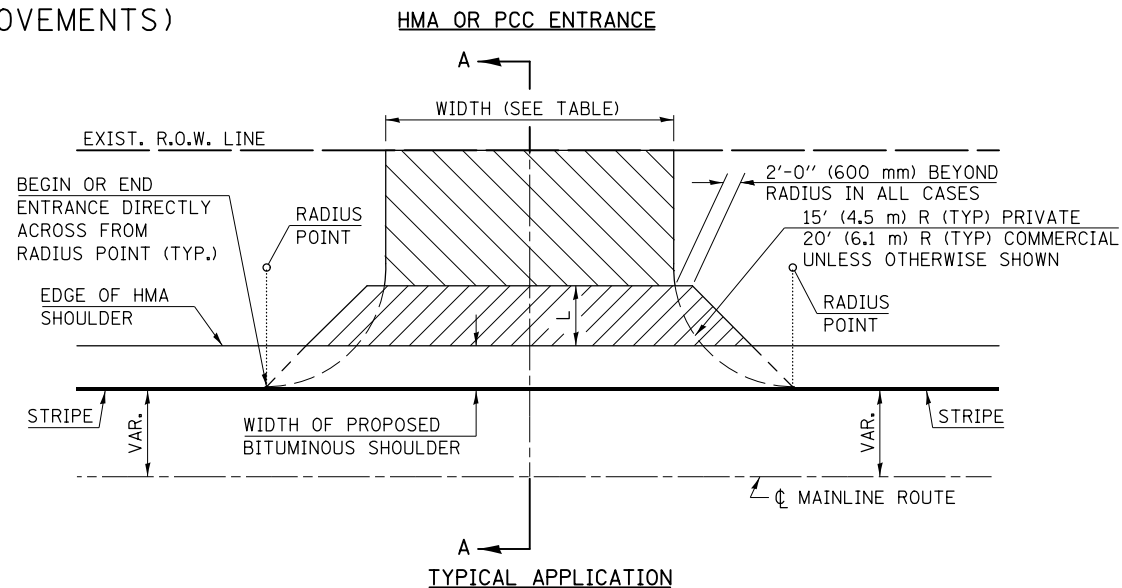
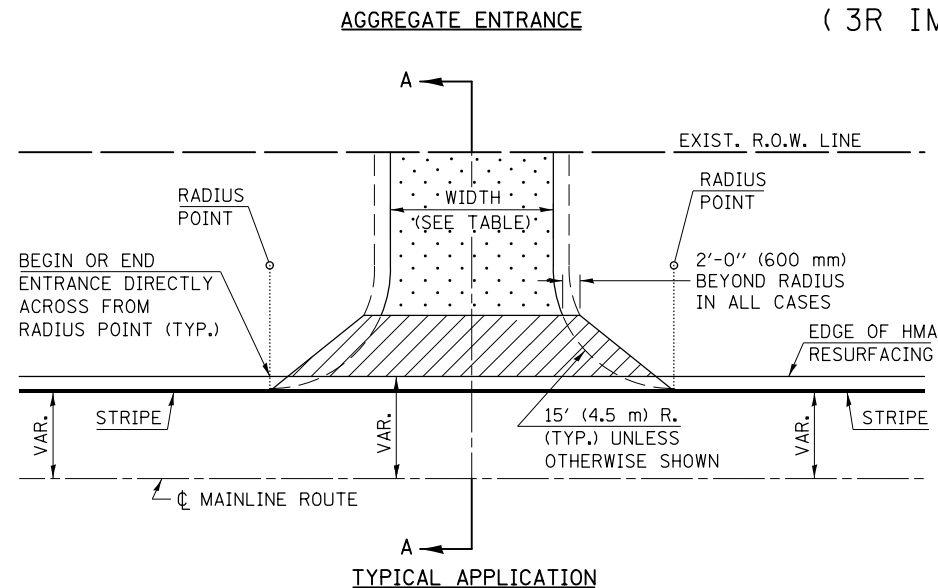
**PRIVATE AND COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	38
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



GENERAL NOTES

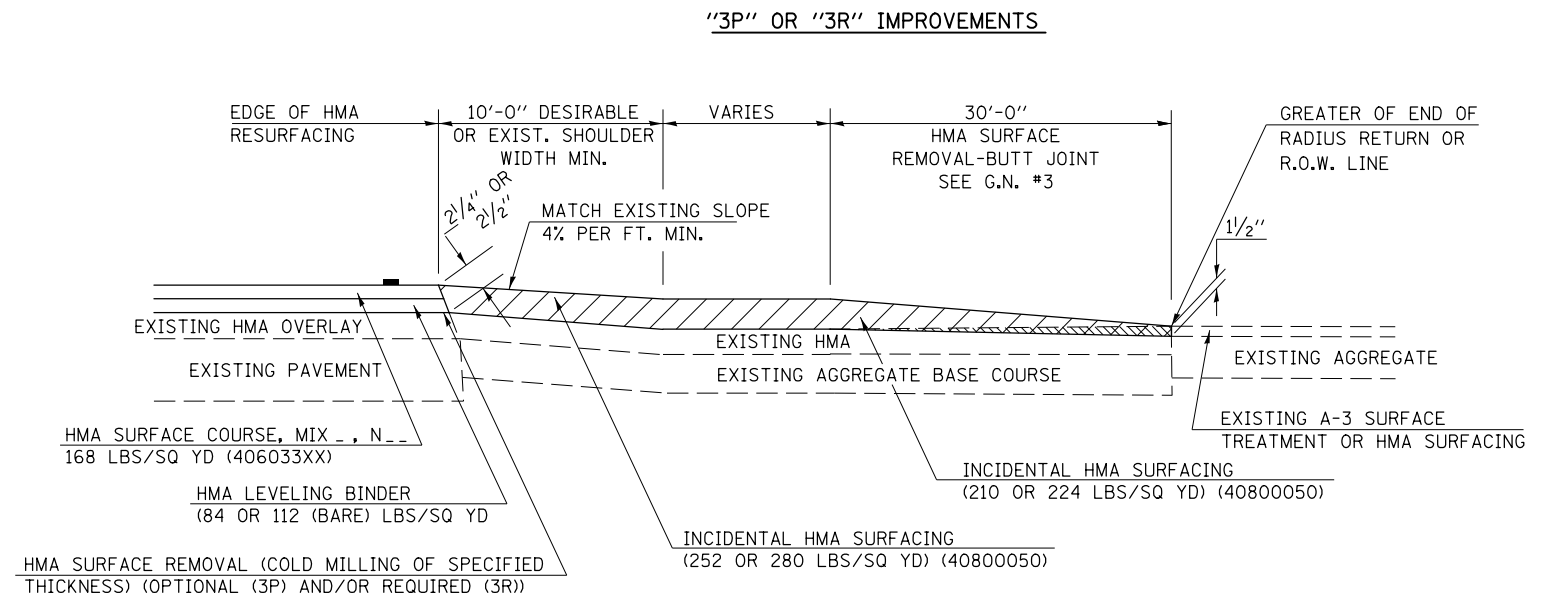
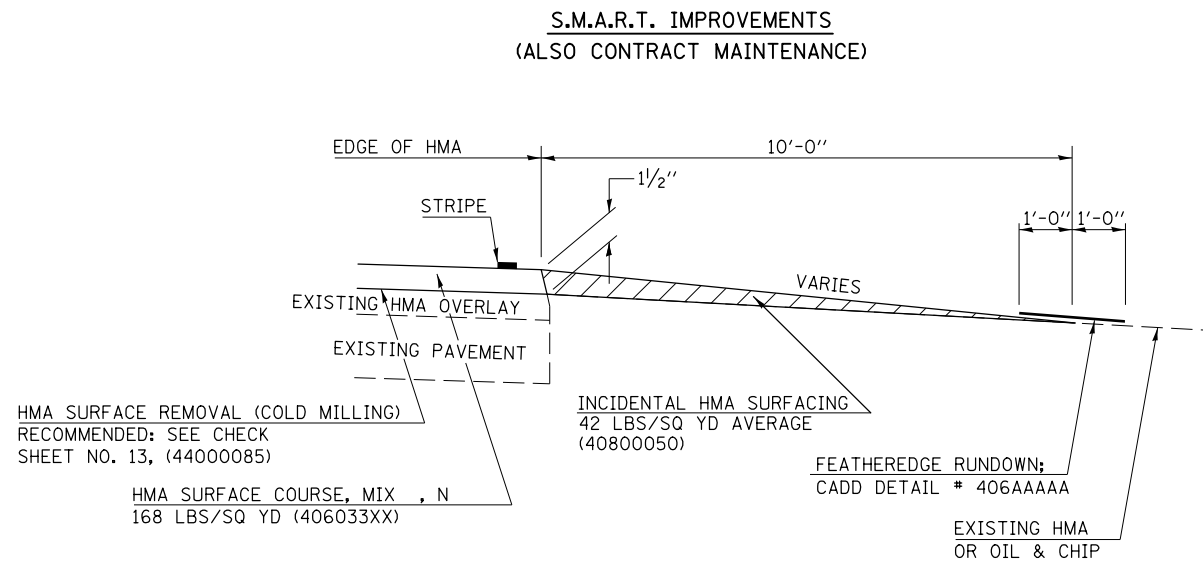
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL						NONCOMMERCIAL								
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12, 16, 24, 24, 30						1 LANE, 1 WAY			resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
							14, 16, 24								
RADIUS (FT)	15, 25, 40, 30						2 LANE, 2 WAY								
							24, 30, 35								
SHOULDER WIDTH (FT)	2						1								
SHOULDER SLOPE (%)	2						2								
ENTRANCE GRADE (%)	0						0								
SIDE SLOPE (FT)	1:10						1:10								
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)	2						3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6						8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)	6									6 or 8					

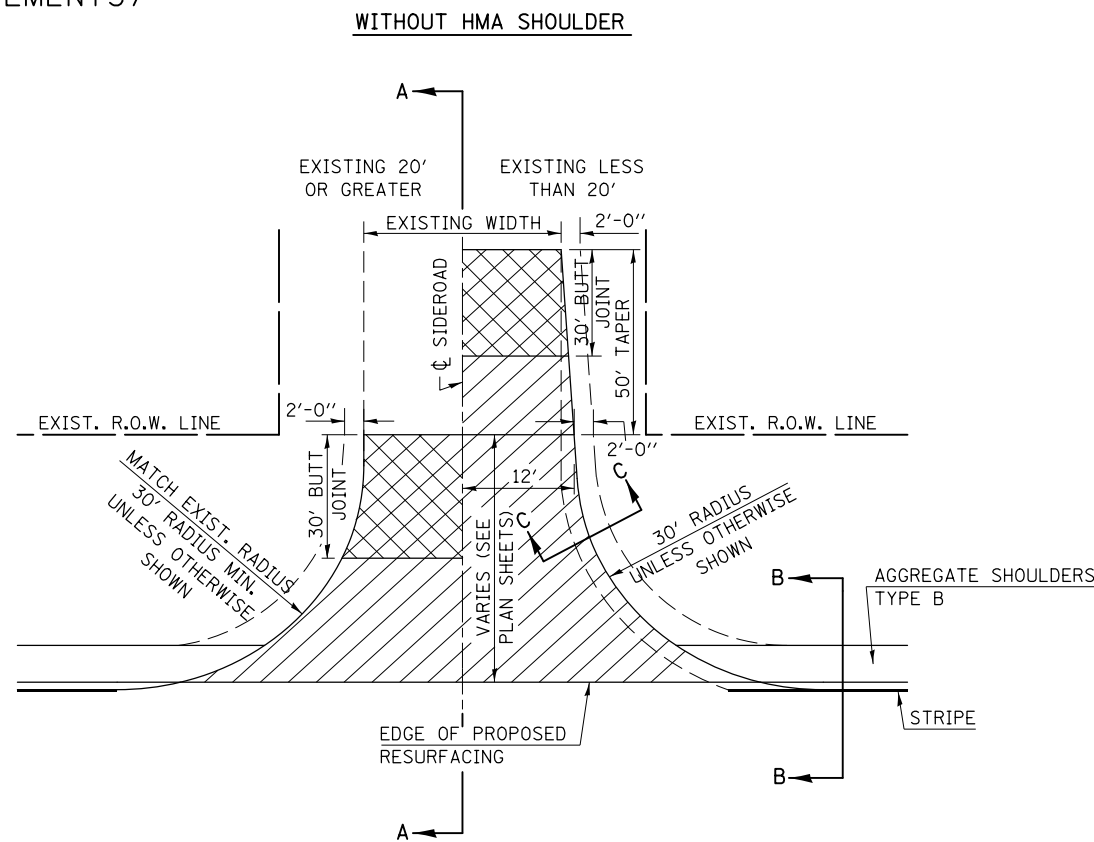
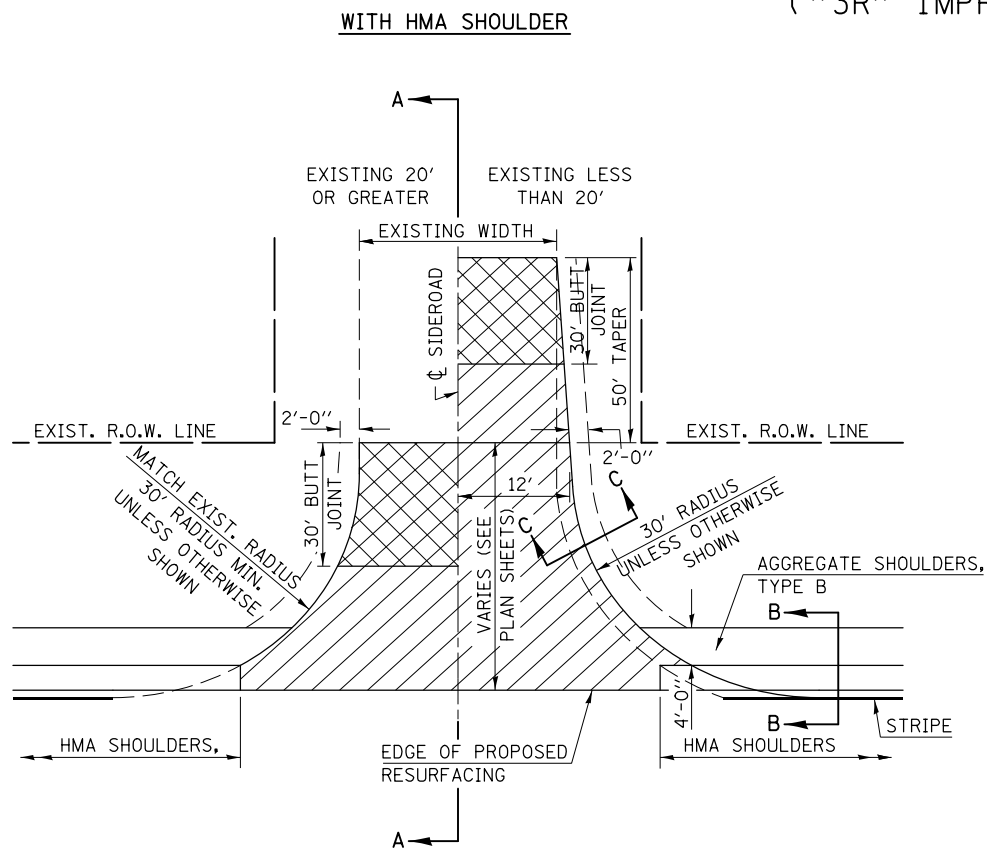
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050C

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

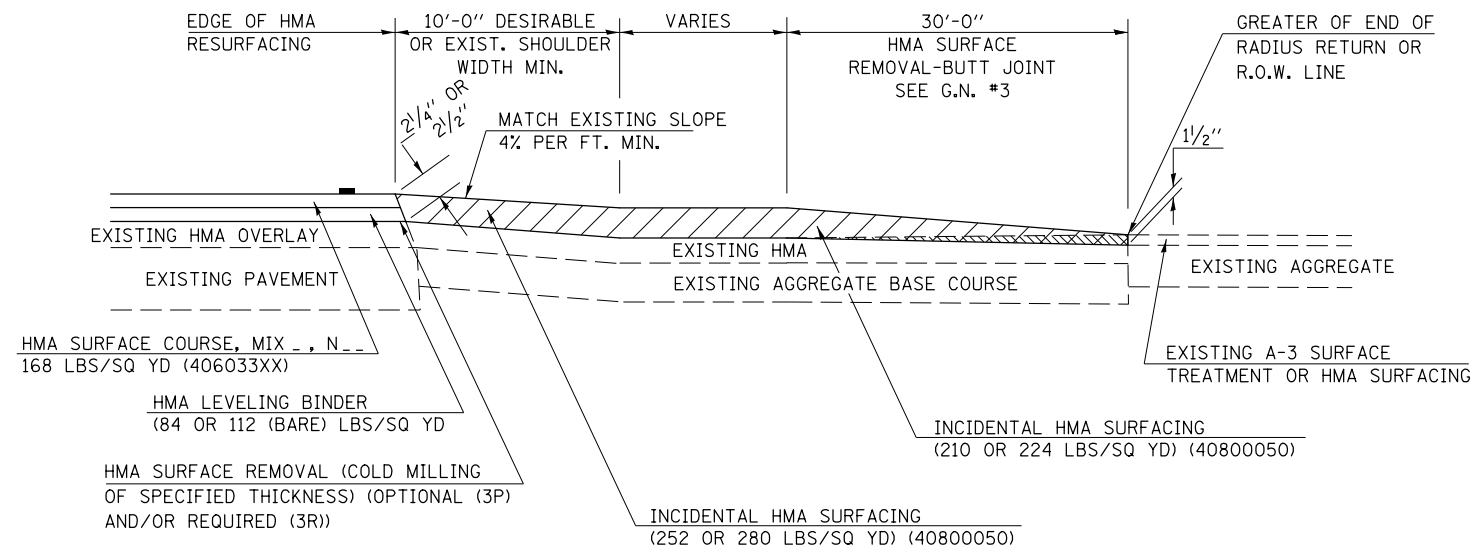
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		CHECKED -	REVISED - 12/21/09 KJT
		DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
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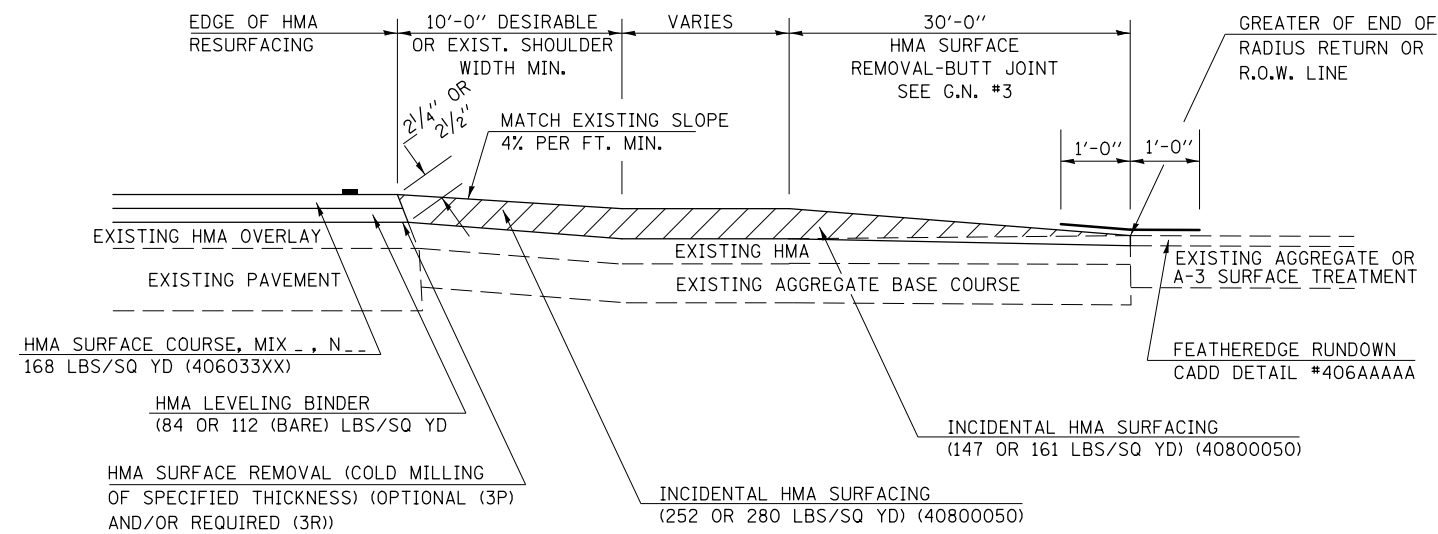
SIDEROADS & SIDESTREETS (RURAL)			
SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	40
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

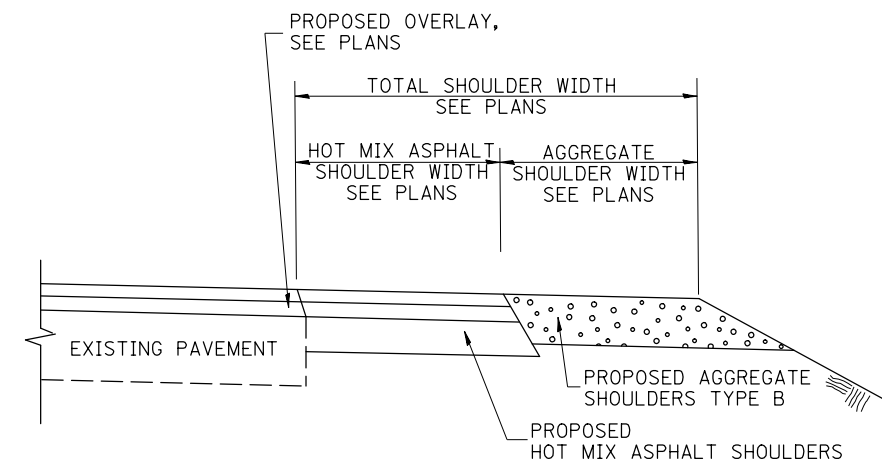
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



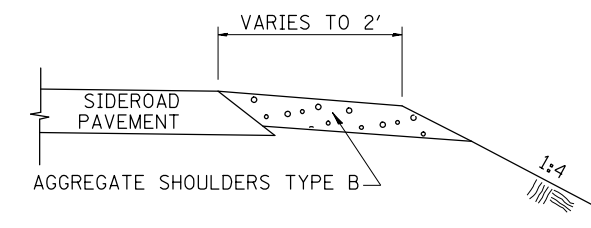
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30		resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA					
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



SECTION B-B
MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

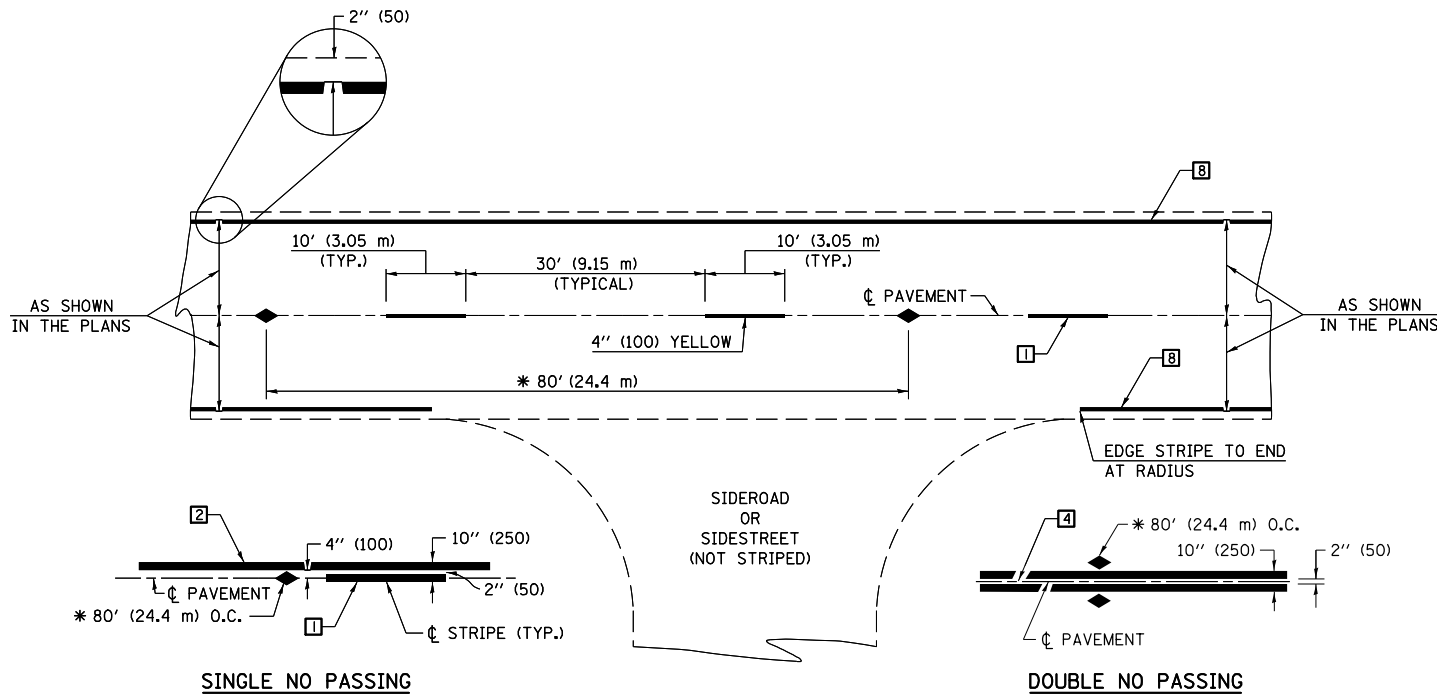
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 12/21/09 KJT
	PLOT DATE = 1/27/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	41
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

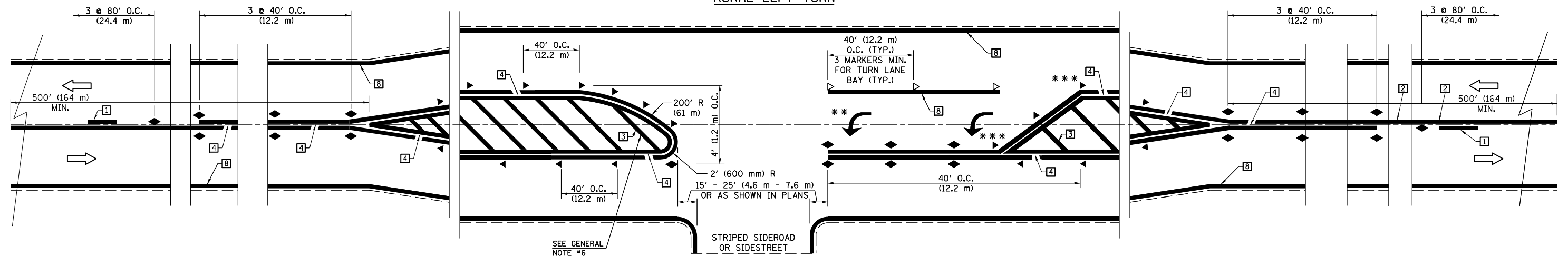
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
pw:\IL084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0579\Design\057993-shr-details.dwg		DRAWN -	REVISED - 09/2009 - KJT
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	PLOT DATE = 1/27/2016	DATE -	REVISED -

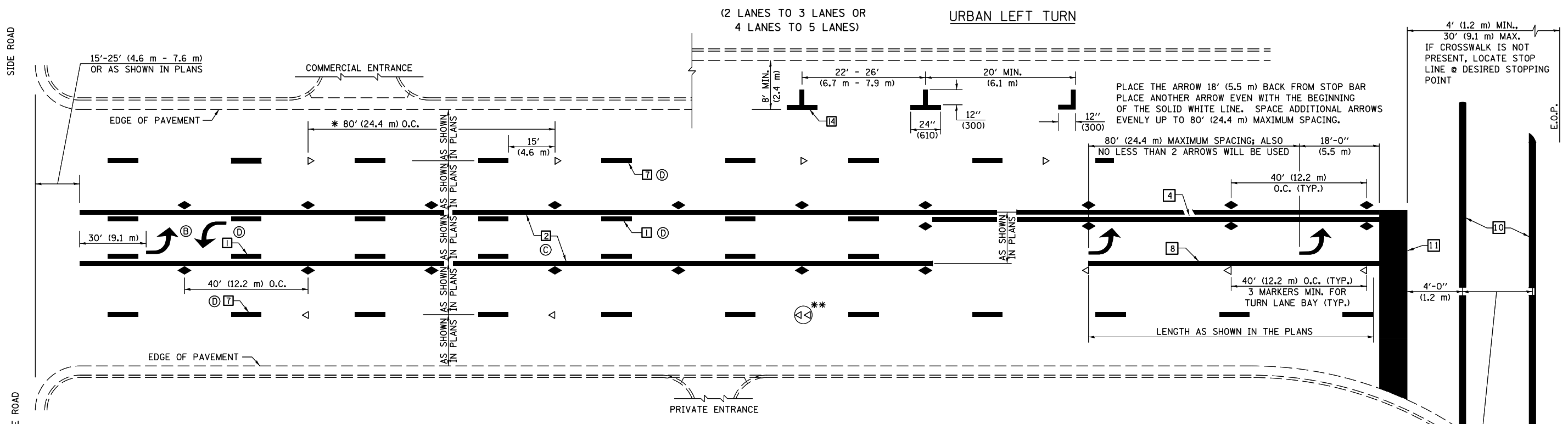
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	42
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

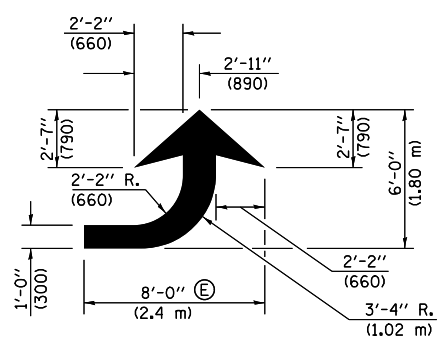


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

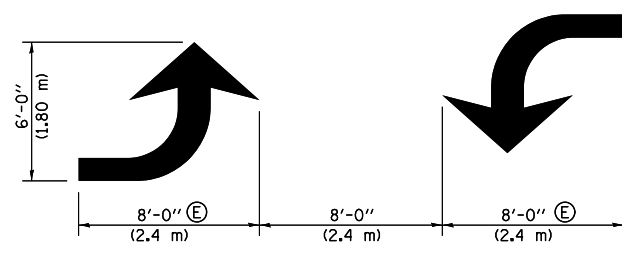
GENERAL NOTES:

- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



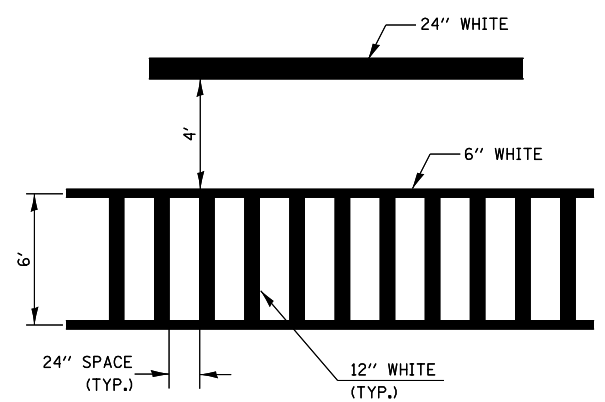
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

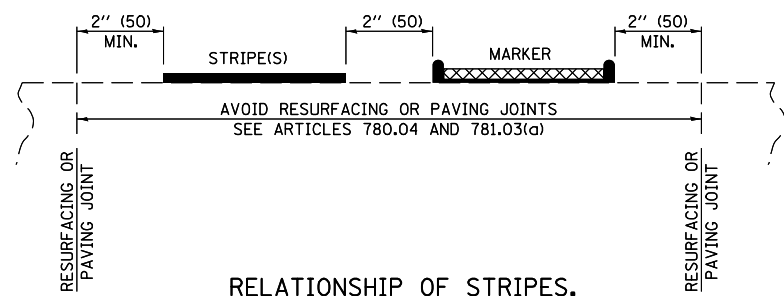


TYPICAL DOUBLE TURN ARROWS (WHITE)

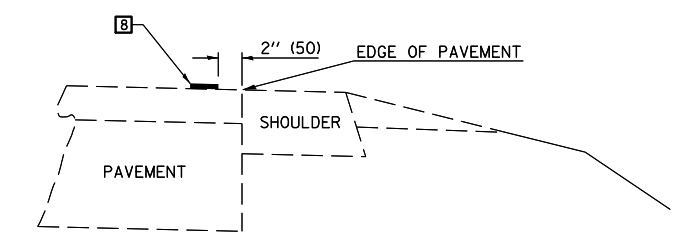
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

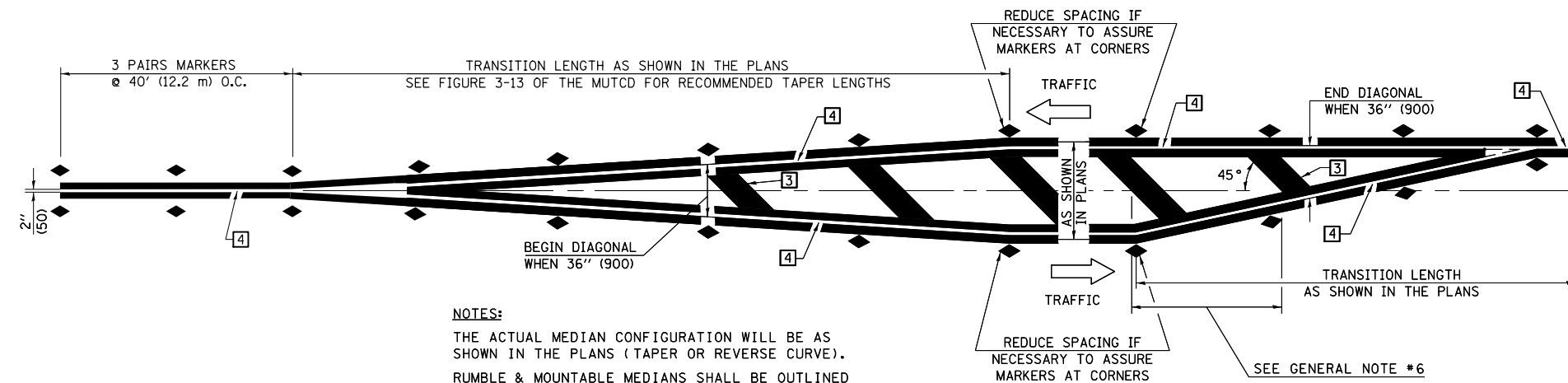


RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR	REVISOR			CONTRACT NO. 70993				
PLOT DATE = 1/27/2016	DATE -	REVISOR	REVISOR			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

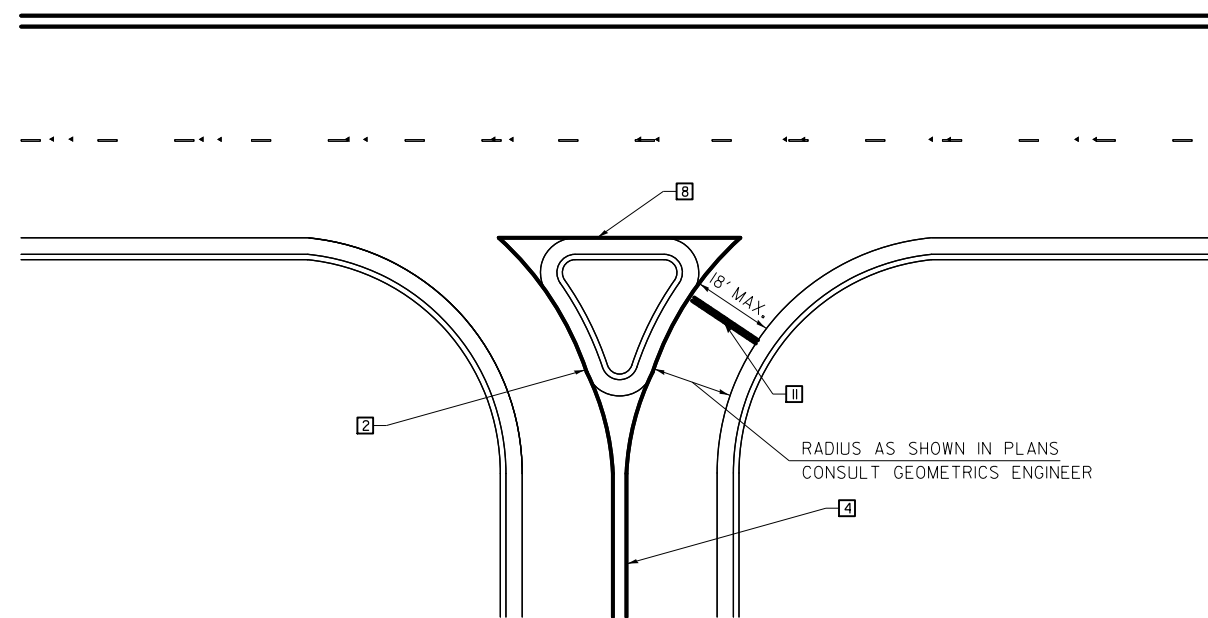


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

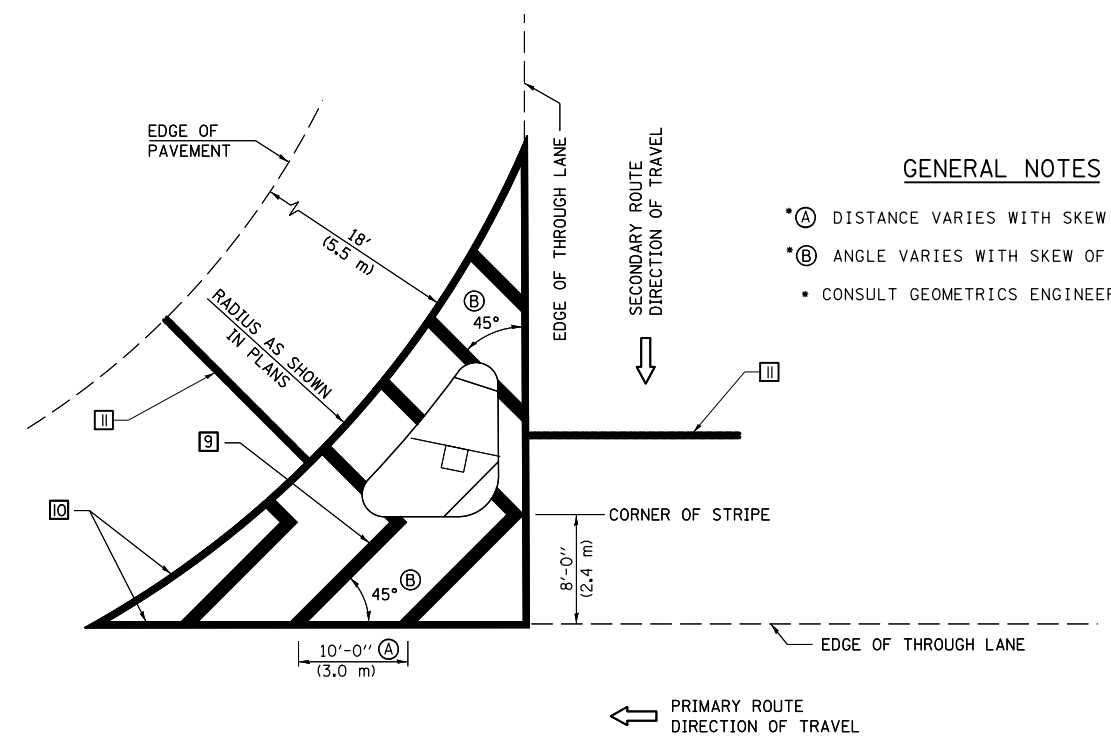
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

- [A] DISTANCE VARIES WITH SKEW OF INTERSECTION.
- [B] ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 1/27/2016	DATE -	REVISED -

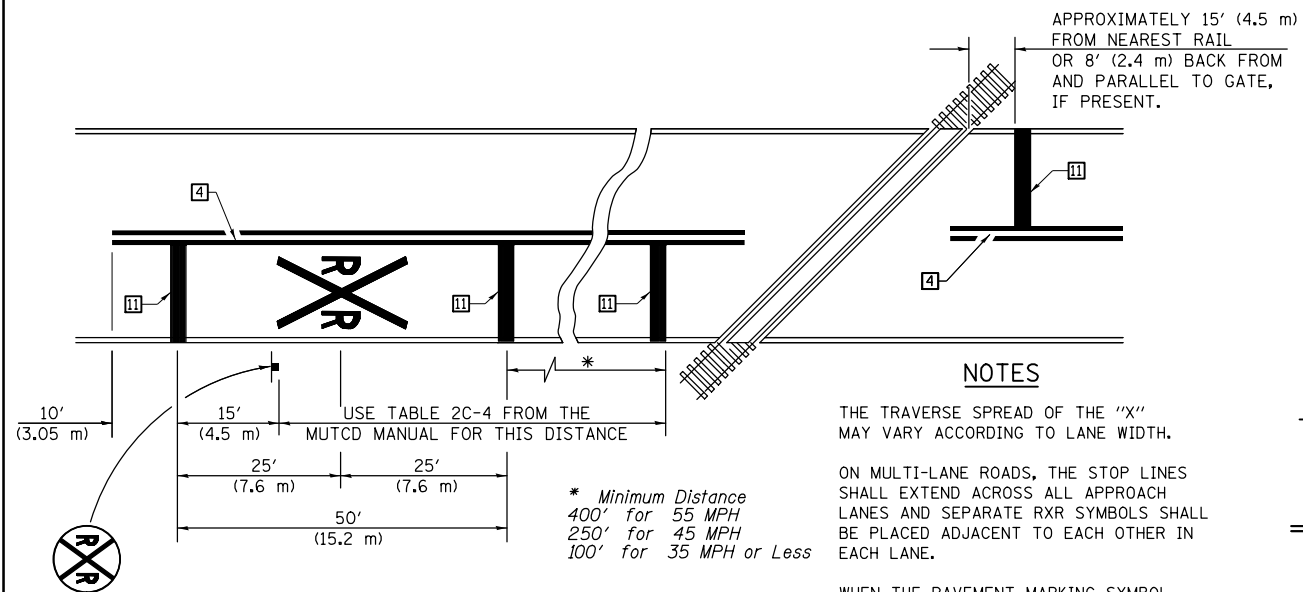
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	44
CONTRACT NO. 70993				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

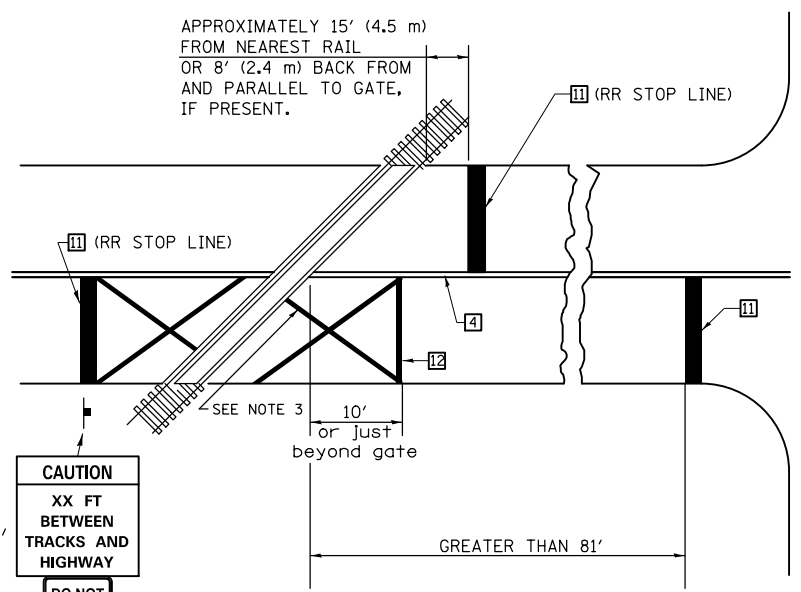
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

RAILROAD CROSSING WITH INTERCONNECT ONLY



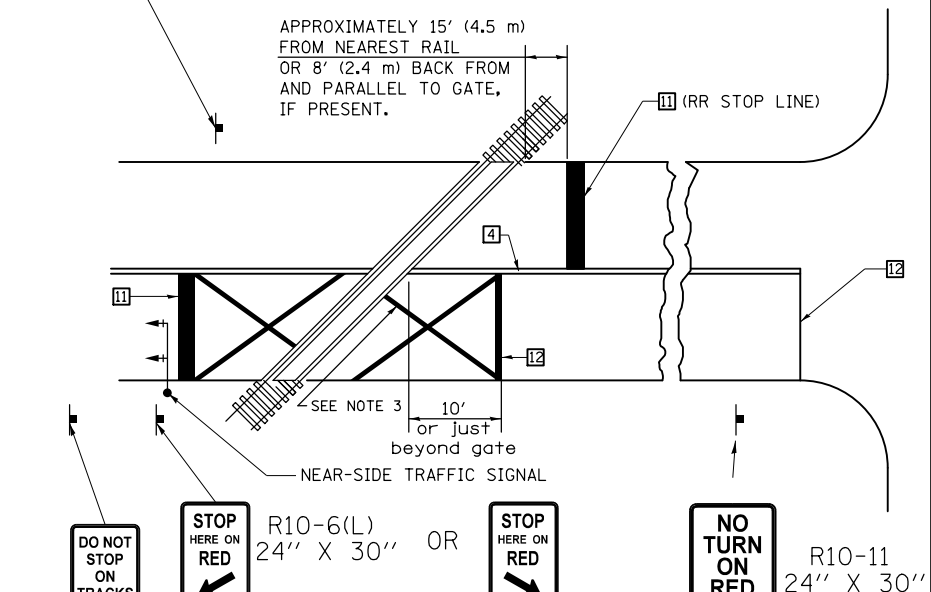
W10-I100
30" X 36"

CAUTION
XX FT BETWEEN TRACKS AND HIGHWAY

DO NOT STOP ON TRACKS

R8-8
24" X 30"

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



DO NOT STOP ON TRACKS (R8-8) 24" X 30"

ONLY IF SIGNAL HEAD CANNOT BE LOCATED IN MEDIAN

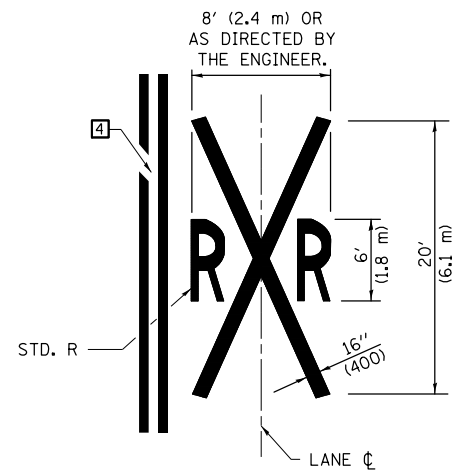
DO NOT STOP ON TRACKS

STOP HERE ON RED (R10-6(L)) 24" X 30" OR STOP HERE ON RED (R10-6(R)) 24" X 30" IF IN MEDIAN

NO TURN ON RED (R10-11) 24" X 30"

DO NOT STOP ON TRACKS (R8-8) 24" X 30"

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



ALTERNATE SIGNS

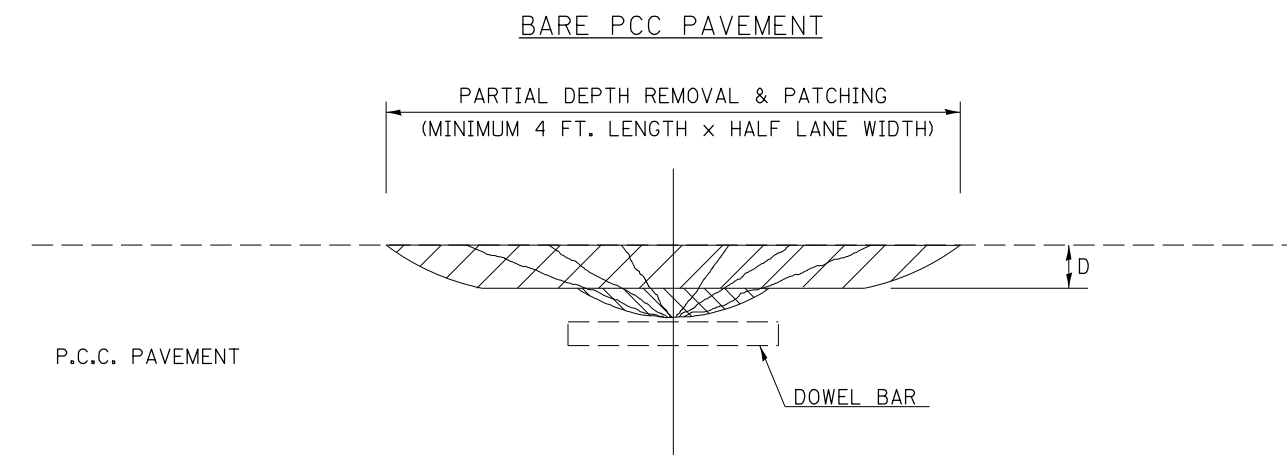
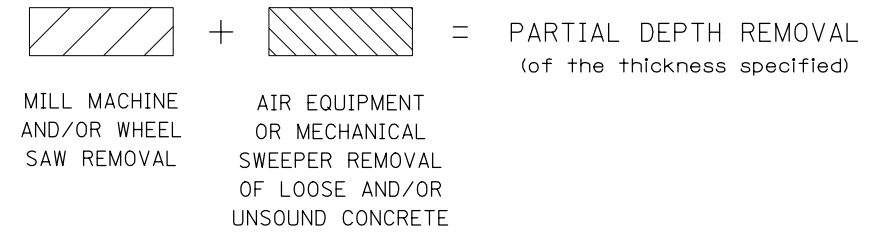
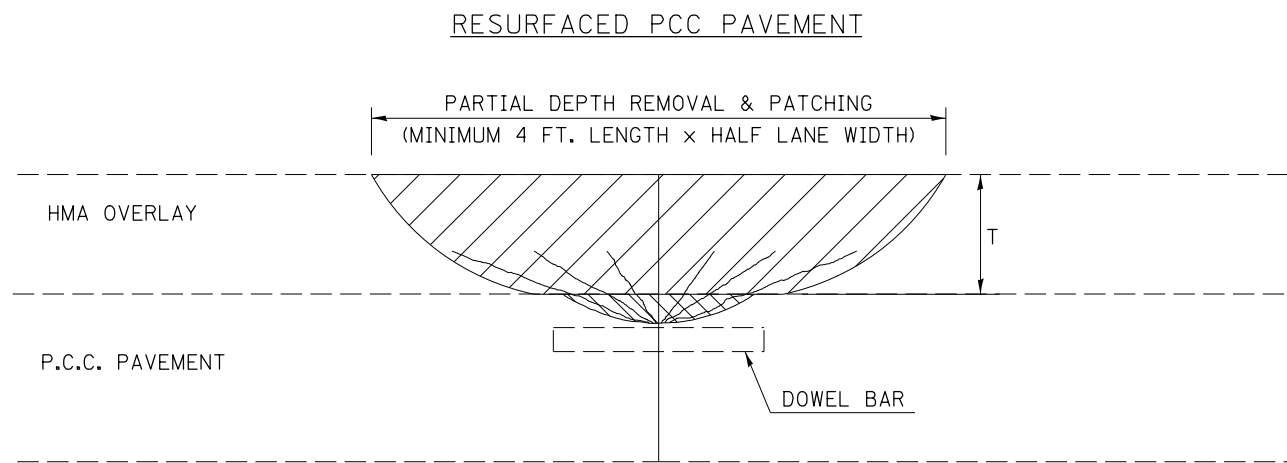
STOP HERE ON RED (R10-6a(L)) 24" X 30"

STOP HERE ON RED (R10-6a(R)) 24" X 30"

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

DEPTH OF PARTIAL DEPTH REMOVAL TO EXISTING PCC PAVEMENT. IT IS THE INTENT OF THE DEPARTMENT NOT TO MILL INTO THE PCC PAVEMENT.

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0579\BROWNDATA\Design\0570993-shd-details.d		DRAWN -	REVISED - 10/10
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

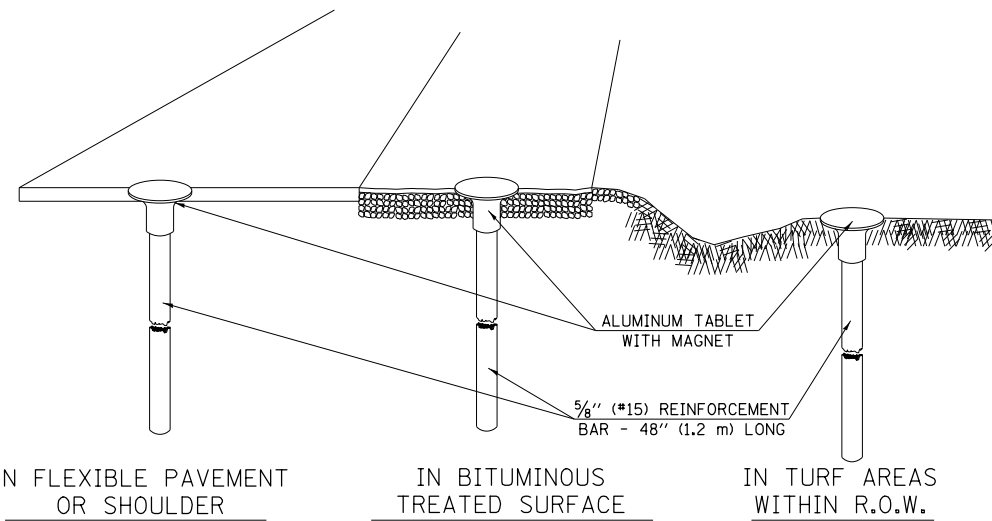
SCALE: SHEET NO. OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. XX442100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70993	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

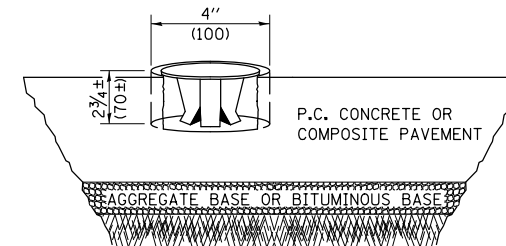
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

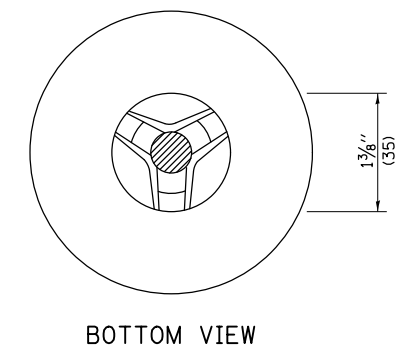
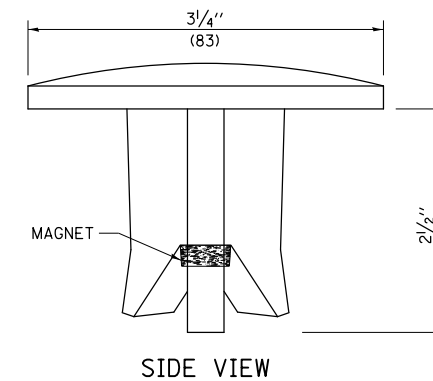
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

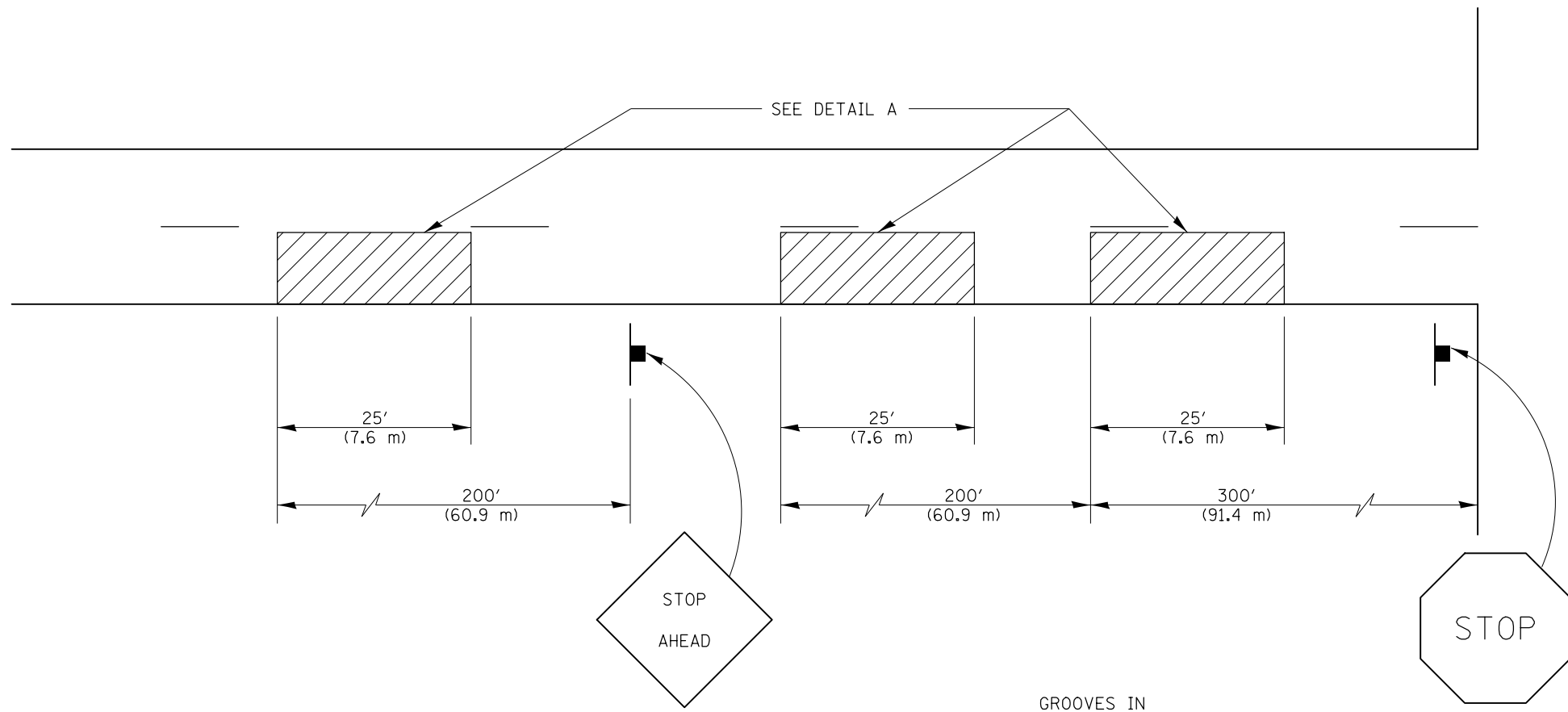
GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

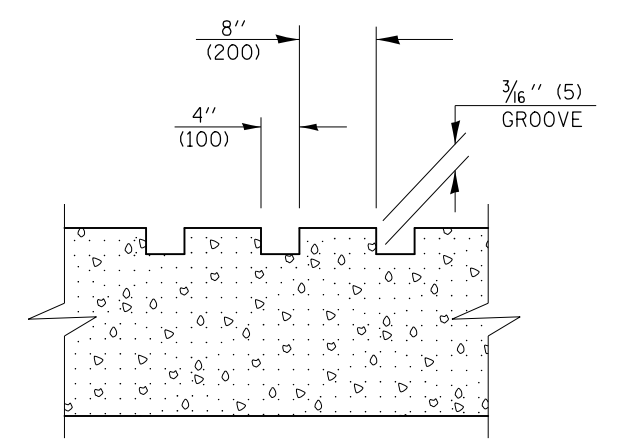
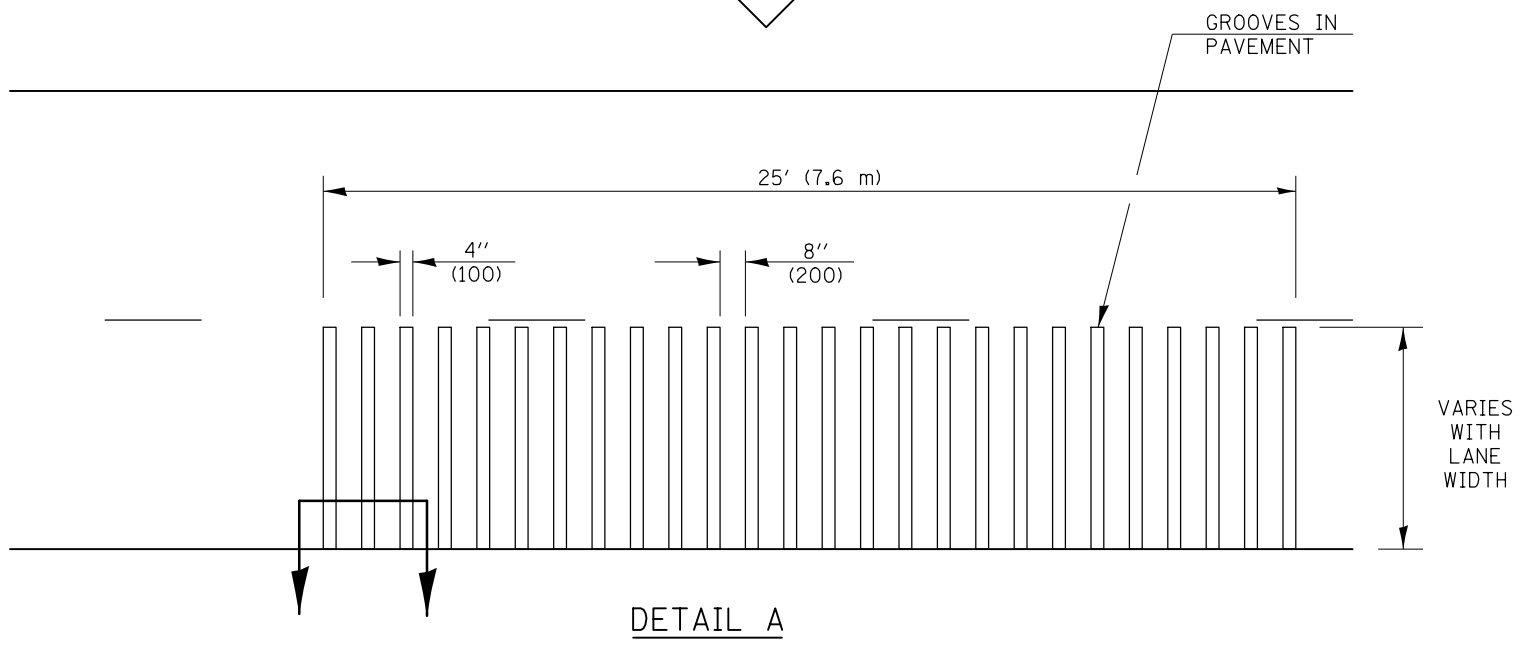
DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOTDocuments\DOT Offices\District 5\Projects\0579\Drawings\Design\0570993-shd-details.dwg	DRAWN	REVISED - 11/10	758			3RS-4&(4,5)RS-2	PIATT	49	47		
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70993								
PLOT DATE = 1/27/2016	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.		



GENERAL NOTES

1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

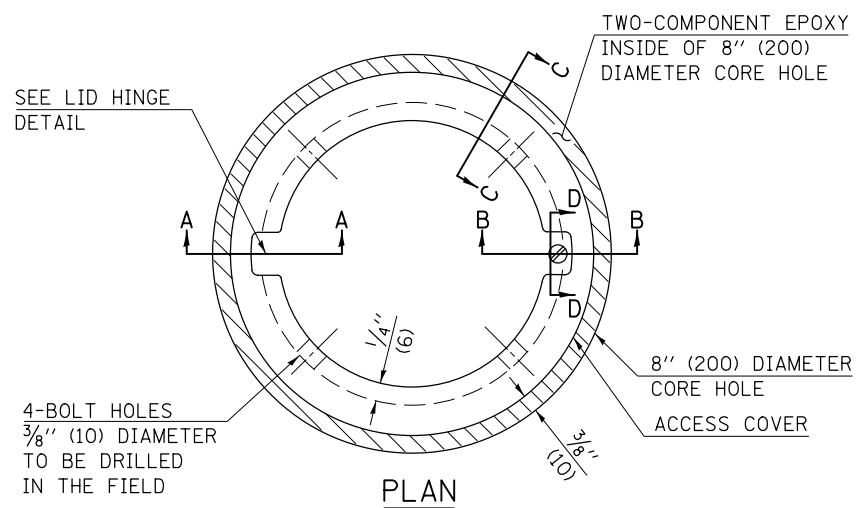
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	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIP (ADVANCE OF INTERSECTIONS)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

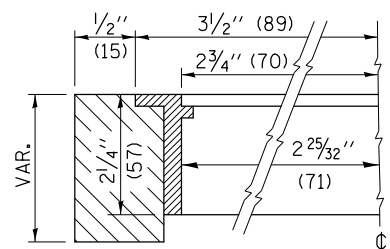
DISTRICT 5 DETAIL NO. Z0055300				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	3RS-4&(4,5)RS-2	PIATT	49	48
CONTRACT NO. 70993				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



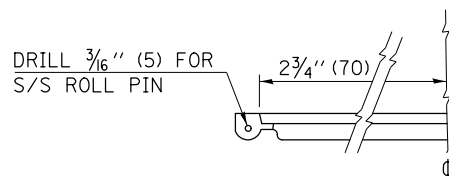
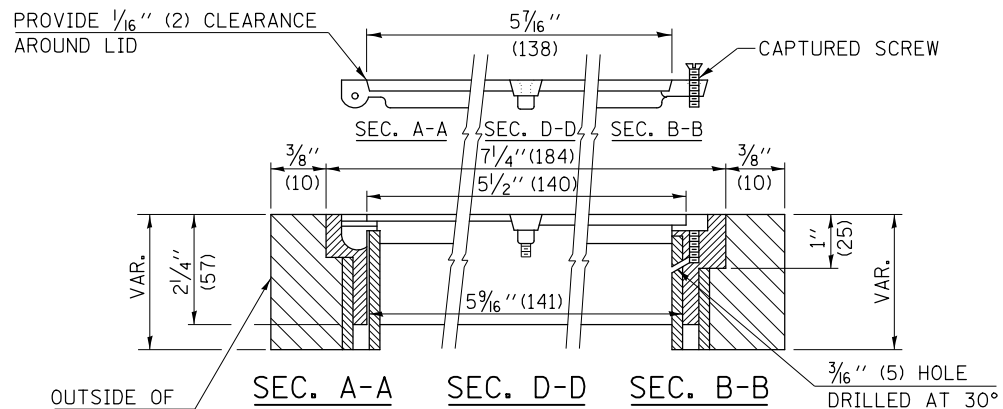
LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY



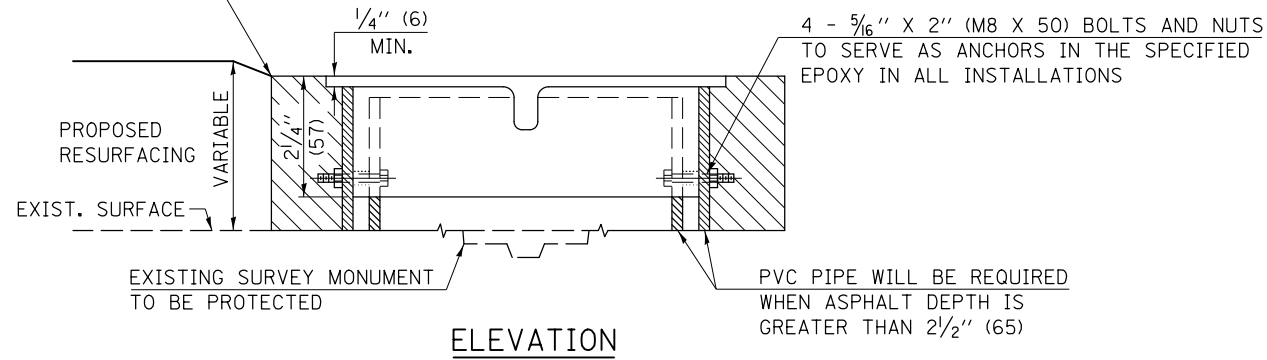
SECTION C-C

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.



LID HINGE DETAIL

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).	



ELEVATION

GENERAL NOTES

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

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

DISTRICT 5 DETAIL NO. Z0070100			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
758	3RS-4&(4,5)RS-2	PIATT	49
			CONTRACT NO. 70993
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			