

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	28RS-4	DEKALB	27	1
		ILLINOIS	CONTRACT NO. 66952	

- 1 COVER SHEET
- 2 GENERAL NOTES & COMMITMENTS
- 3 - 7 SUMMARY OF QUANTITIES
- 8 TYPICAL SECTIONS
- 9 - 13 SCHEDULE OF QUANTITIES
- 14 - 20 PLAN VIEWS
- 21 - 27 DETAILS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 68 (IL 23)
SECTION 28RS-4
PROJECT: ACF-0068(113)
3P MILLING & RESURFACING
DEKALB COUNTY
C-93-086-09

HIGHWAY STANDARDS

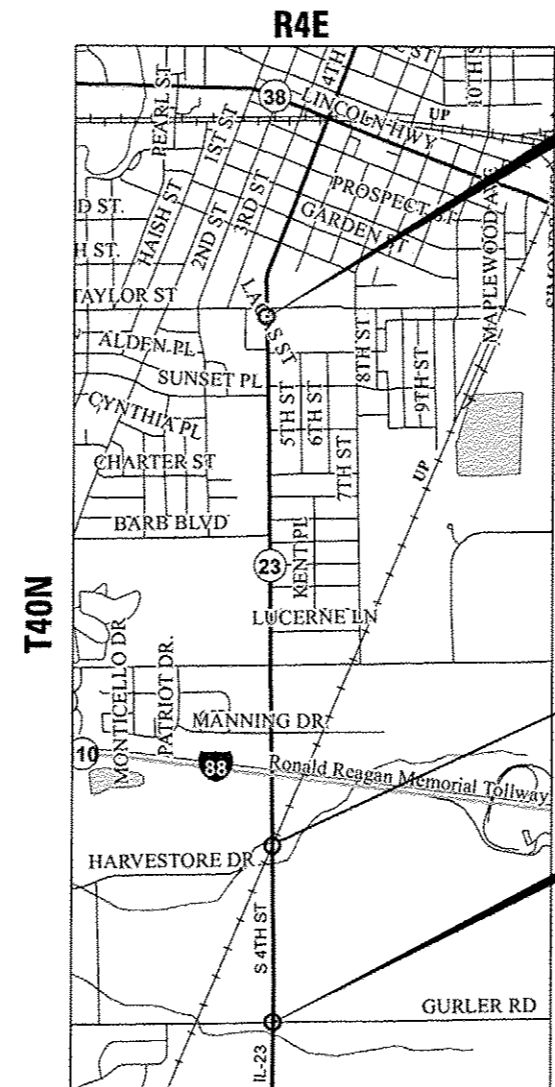
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-07 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006-01 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-01 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424016-01 MID-BLOCK CURB RAMPS FOR SIDEWALKS
- 424021-02 DEPRESSED CORNER FOR SIDEWALKS
- 424026-01 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
- 424031-01 MEDIAN PEDESTRIAN CROSSINGS
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701602-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-09 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-03 TRAFFIC CONTROL DEVICES
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

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

PROJECT ENGINEER: CRAIG REED, PE
UNIT CHIEF: BRAD DUNCAN, PE
TOWNSHIP(S): DEKALB

CONTRACT NO. 66952



PROJECT END
STA. 15+38

STATION EVALUATION
STA. 80+75 BK = 35+23 AH

STATION EVALUATION
STA. 74+97.2 BK = STA. 74+69.9 AH

RAILROAD OMISSION
STA. 24+87 - STA. 25+10

PROJECT START
STA. 549+15

GROSS LENGTH = 10087.3 FT 1.91 MILE
NET LENGTH = 10064.3 FT 1.90 MILE



LOCATION OF SECTION INDICATED THUS: — ■ —
OTHER PRINCIPAL ARTERIAL

	2011 ADT	PV%	SUZ%	MU%
GURLER RD TO FAIRVIEW DR.	4650	91.6	4.1	4.3
FAIRVIEW DR. TO TAYLOR ST.	7800	94.0	4.2	1.8

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Dec 13 2013*
Paul A. Costanzo
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 24 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 24 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

FOR NEW CONSTRUCTION, PLACE CURB RAMPS FOR SIDEWALKS AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES

DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMP AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARES), OR BLENDED TRANSITIONS. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. THE CONCRETE BORDER SHOULD NOT EXCEED 2 INCHES.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

DETECTOR LOOPS TO BE PLACED IN LEVELING BINDER.

DETECTOR LOOP SHALL HAVE FOUR TURNS.

THE DEPARTMENT OF TRANSPORTATION (815-434-8506) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

COMMITMENTS

1. ANY SURPLUS EXCAVATED EARTH MATERIAL REMAINING AFTER THE COMPLETION OF WORK SHALL REMAIN WITHIN THE PROJECT LIMITS.
2. THE CONTRACTOR SHALL PROVIDE FOR AN ALTERNATE ACCESSIBLE AND DETECTABLE SIDEWALK ROUTE WHENEVER AN EXISTING SIDEWALK IS DISRUPTED BY THE CONTRACTORS OPERATIONS. PRIORITY SHALL BE GIVEN TO SCHOOL CROSSWALKS AND DOWNTOWN/ COMMERCIAL AREAS. SIDEWALK RAMPS NOT COMPLETED AND OPENED TO PEDESTRIAN TRAFFIC IN A TIMELY MANNER AFTER REMOVAL OPERATIONS SHALL BE ACCESSIBLE USING A 3" COMPACTED AGGREGATE SURFACE. ALL COSTS ASSOCIATED WITH PROVIDING TEMPORARY SIDEWALK ACCOMMODATIONS WILL BE INCLUDED IN THE COST OF HIGHWAY STANDARD 701801.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Don Beaul
DISTRICT STUDIES & PLANS ENGINEER

DATE: 12-6-13

EXAMINED BY: Herbert D. [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\duncanbd\8138229\036952-sht-cover.dgn		DRAWN -	REVISED -						68	28RS-4	DEKALB	27	2
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66952					
PLOT DATE = 12/5/2013		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

CONSTR. CODE

FEDERAL = 80%

STATE = 20%

ROADWAY

0005

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20400800	FURNISHED EXCAVATION	CU YD	6	6
25000200	SEEDING, CLASS 2	ACRE	0.02	0.02
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	4
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4	4
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4	4
25100630	EROSION CONTROL BLANKET	SQ YD	108	108
25200110	SODDING, SALT TOLERANT	SQ YD	192	192
25200200	SUPPLEMENTAL WATERING	UNIT	1.7	1.7
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	4	4
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13	13
40600527	LEVELING BINDER (HAND METHOD), IL-9.5FG, N50	TON	21	21
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	1748	1748
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600990	TEMPORARY RAMP	SQ YD	529	529

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△ SPECIALTY ITEMS

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pndat\duncanbd\0130229\036	152-4ht-500.dgn	DRAWN -	REVISED -					68	28RS-4	DEKALB	27	3
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		SCALE:	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 66952			
	PLOT DATE = 12/8/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

CONSTR. CODE
 FEDERAL = 80%
 STATE = 20%
 ROADWAY
 0005
 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3540	3540
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	306	306
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	2758	2758
42400800	DETECTABLE WARNINGS	SO FT	500	500
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	25062	25062
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	28802	28802
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	803	803
44000600	SIDEWALK REMOVAL	SO FT	2753	2753
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	9350	9350
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	107	107
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1251	1251
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1
60260100	INLETS TO BE ADJUSTED	EACH	11	11
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1

14

CONSTR. CODE

FEDERAL = 80%

STATE = 20%

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	URBAN
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	375		375
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	428		428
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	3		3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3		3
67100100	MOBILIZATION	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10		10
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12553		12553
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1754.4		1754.4
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	24362		24362

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△ SPECIALTY ITEMS

FILE NAME =	USER NAME = dunoanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.				CONTRACT NO. 66952				
	PLOT DATE = 12/8/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

Rev.

CONSTR. CODE

FEDERAL = 80%

STATE = 20%

ROADWAY

0005

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10940	10940
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1464	1464
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	582	582
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	144	144
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	4180	4180
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1017.6	1017.6
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12062	12062
△ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3228	3228
△ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	812	812
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	585	585
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	428	428
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	22066	22066
△ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	2380	2380
△ 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	2360	2360

△ SPECIALTY ITEMS

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\psdot\duncanbd\0130229\036	152-sht-500.dgn	DRAWN -	REVISD -		SCALE:	SHEET NO. 4 OF 5 SHEETS	STA.	TO STA.	68	28RS-4	DEKALB	27	6
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISD -		CONTRACT NO. 66952								
	PLOT DATE = 12/6/2013	DATE -	REVISD -		ILLINOIS FED. AID PROJECT								

CONSTR. CODE

FEDERAL = 80%
STATE = 20%

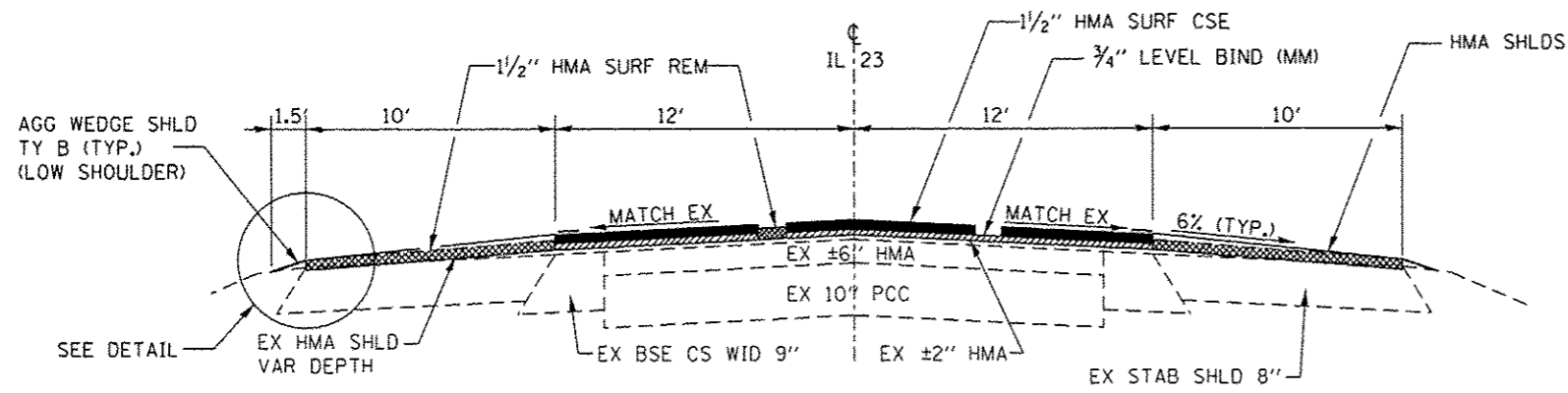
ROADWAY
0005
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
△ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	368	368
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	366	366
△ 87300605	ELECTRIC CABLE IN TRENCH, COMMUNICATION, NO. 16 3 PAIR	FOOT	200	200
△ 88500100	INDUCTIVE LOOP DETECTOR	EACH	1	1
△ 88600100	DETECTOR LOOP, TYPE I	FOOT	1230	1230
△ 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	34811	34811
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	242	242
X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	2	2
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	51	51
△ X8860100	LOOP DETECTOR TESTING	EACH	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

B

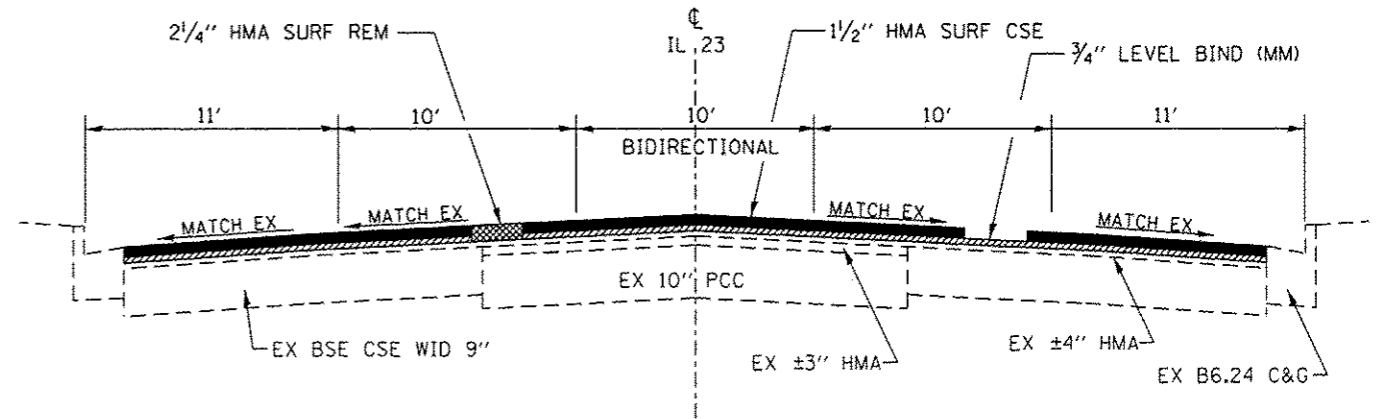
△ SPECIALTY ITEMS

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\p\work\p\sidat\duncanbd\0130229\036152.sht-500.dgn	DRAWN -	REVISED -	68			28RS-4	DEKALB	27	7	
PLOT SCALE * 100.0000 / / in.	CHECKED -	REVISED -	CONTRACT NO. 66952							
PLOT DATE * 12/6/2013	DATE -	REVISED -	SCALE:			SHEET NO. 5 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



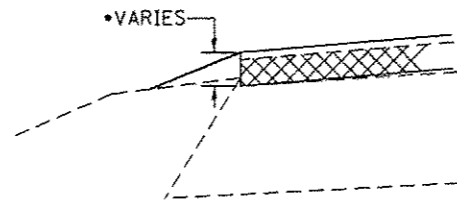
TYPICAL SECTION

STA. 0+00 TO STA. 51+85
RAILROAD OMISSION STA. 24+87 TO STA. 25+10



TYPICAL SECTION

STA. 51+85 TO STA. 80+75
STATION EQUATION: 74+97.2 BK = 74+69.9 AH
STATION EQUATION: 80+75 BK = 35+23 AH (STATIONS DECREASE)



DETAIL

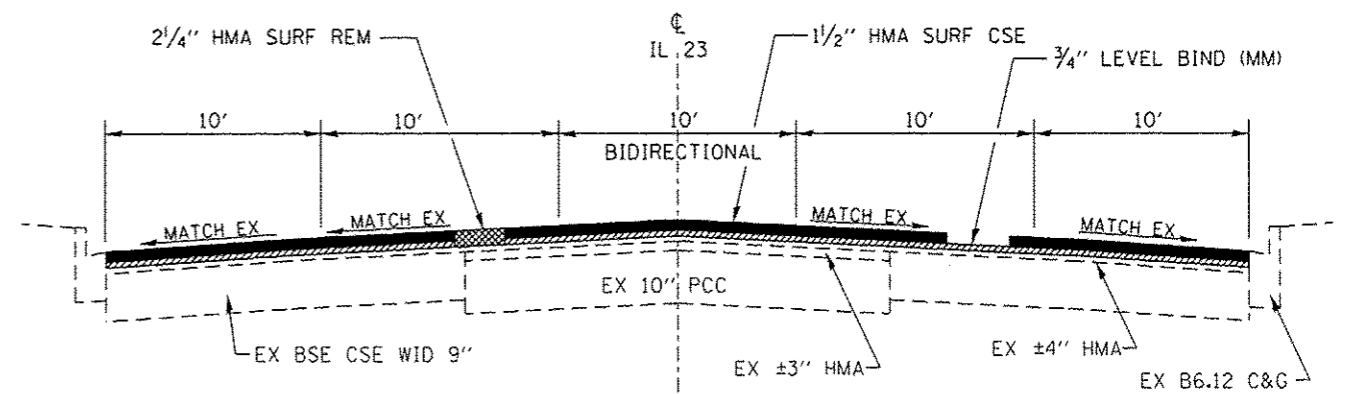
PROPOSED HMA SHOULDERS 6% SLOPE MAXIMUM.

- THE PROPOSED OUTSIDE SHOULDER THICKNESS SHALL MATCH EXISTING. PROPOSED OUTSIDE SHOULDER THICKNESSES WILL VARY AT LOCATIONS WHERE EXISTING SHOULDER SLOPE EXCEEDS THE PROPOSED 6% SLOPE

STRIP REFLECTIVE CRACK CONTROL TREATMENT INCLUDED IN AREAS BETWEEN FAIRVIEW DRIVE AND THE END OF THE PROJECT. THE CONTRACTOR SHALL USE EITHER SYSTEM A OR SYSTEM D. LOCATIONS TO BE DETERMINED BY THE ENGINEER.

MIXTURES TABLE

	HMA SURFACE	HMA LEVEL BINDER	INCIDENTAL HMA SURFACE	HMA SHOULDERS
PG GRADE	PG64-22	PG64-22	PG64-22	PG58-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 9.5FG	IL 9.5	IL 9.5
FRICTION				
AGGREGATE	MIXTURE D		MIXTURE C	MIXTURE C
DENSITY TEST METHOD	OCP CORES	OCP CORES	SATISFACTION OF ENGINEER	OCP CORES



TYPICAL SECTION

STA. 35+23 TO STA. 15+38
STATIONS DECREASE

MAINLINE PAVING SCHEDULE													
STA. TO STA.	LENGTH	MAINLINE		SHOULDER		HMA SURF	LEV BIND	BIT MAT	MIX JTS	LEV BIND	HMA	AGG.	TEMP
		WIDTH	AREA	WIDTH	AREA	CSE MIX D	(MM) N50	PRIME	CRACKS. &	(HM), N50	SHLDS	WEDGE	RAMP
		FT	SQ YD	FT	SQ YD	N50	FG	COAT	FLANGEWAYS	FG	TON	SHLDS B	SQ YD
30' TAPER	30	24	80.0	20.0	66.7	6.72	3.36	84.00	0.02	0.04	7.39	0.64	13.33
0+00 AH - 21+90	2190	24	5840.0	20.0	4866.7	490.56	245.28	6132.00	1.75	2.92	539.62	46.77	
21+90 - 24+87	297	24	792.0	20.0	660.0	66.53	22.40	831.60	0.24	0.40	73.18	1.68	13.33
24+87 - 25+10	23	RAILROAD OMISSION											
25+10 - 26+09	99	24	264.0	20.0	220.0	22.18	0.00	277.20	0.08	0.13	24.39	2.14	13.33
26+09 - 42+59	1650	24	4400.0	20.0	3666.7	369.60	184.80	4620.00	1.32	2.20	406.56	35.23	
42+59 - 51+25.5	866.5	24 - 53	3329.0	VAR	1630.6	279.64	139.82	2980.85	1.00	1.66	171.21	18.50	
51+25.5 - 51+85.5	60	53 - 69	376.0	VAR	101.5	31.58	15.79	299.48	0.11	0.19	10.66	1.28	
51+85.5 - 54+54	268.5	69 - 48	1869.4	VAR	142.2	157.03	78.51	1325.84	0.56	0.93	17.92	0.88	
54+54 - 74+97.2 BK	2043.2	48	10897.1			915.35	457.68	7355.52	3.27	5.45			
74+69.9 AH - 78+82	412.1	48	2197.9			184.62	92.31	1483.56	0.66	1.10			
78+82 - 79+02	20	48 - 50	108.9			9.15	4.57	73.50	0.03	0.05			
79+02 - 80+75 BK	173	50	961.1			80.73	40.37	648.75	0.29	0.48			
35+23 AH - 15+38	1985	50	11027.8			926.33	463.17	7443.75	3.31	5.51			32.5
TOTAL						3540	1748	33556	13	21	1251	107	73

MILLING					
LOCATION STA. TO STA.	LENGTH FOOT	WIDTH FOOT	HMA SURFACE REMOVAL		
			1 1/2"	2 1/4"	VAR DEPTH
			SQ YD	SQ YD	SQ YD
30' TAPER	30	44	147		
0+00 AH - 24+87	2487	44	12159		
24+87 - 25+10	23	RAILROAD OMISSION			
25+10 - 42+59	1749	44	8551		
42+59 - 51+55.5	896.5	24 - 53	3563		
51+55.5 - 51+85.5	30	68 - 70			242
51+85.5 - 54+54	268.5	70 - 48		1905	
54+54 - 74+97.2 BK	2043.2	48		10897	
74+69.9 AH - 78+82	412.1	48		2198	
78+82 - 79+02	20	48 - 50		109	
79+02 - 80+75 BK	173	50		961	
35+23 AH - 15+38	1985	50		11028	
TOTAL			24419	27098	242

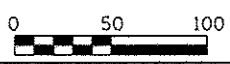
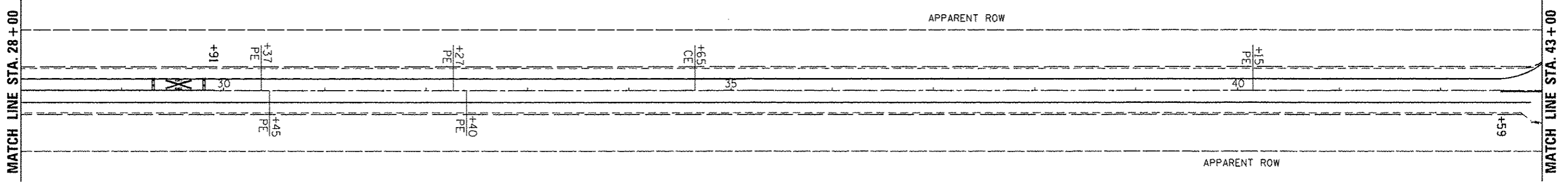
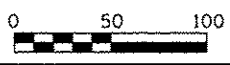
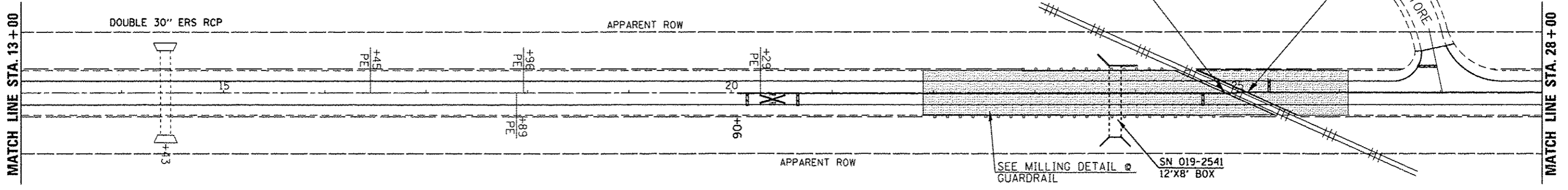
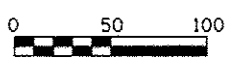
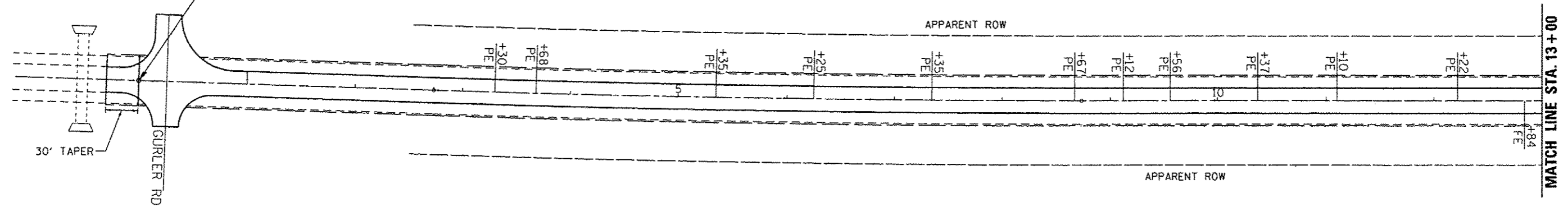
PAVEMENT MARKINGS																						
STA. TO STA.	PAINT			THERMOPLASTIC								PREF PLAST "B" INLAID 6"	RAISED REFL PAVT MARK	TEMPORARY					LETTERS & SYMBOLS	SHORT TERM (3 APP)		
	4"		6"	4"		6"		8"	12"		24"			FOOT	EACH	4"	6"	8"			12"	24"
	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT					SO FT	FOOT	(2 APPLICATIONS)				
BARB LT																						
CROSSWALK																						
MEDIAN																						
STOPBAR																						
TURN LANE																						
73+38 - 74+28																						
CENTERLINE																						
MEDIAN																						
TURN LANE																						
KAREN RT																						
CROSSWALK																						
STOPBAR																						
74+70 - 77+39																						
CENTERLINE																						
MEDIAN																						
SCHOOL CROSSING																						
TURN LANE																						
SPRING RT																						
CROSSWALK																						
STOPBAR																						
78+08 - 79+02																						
CENTERLINE																						
MEDIAN																						
TURN LANE																						
79+02 - 80+75 BK																						
CENTERLINE																						
BIDIRECTIONAL																						
35+23 AH - 15+38																						
CENTERLINE																						
BIDIRECTIONAL																						
CHARTER RT																						
CROSSWALK																						
STOPBAR																						
TYLER RT																						
CROSSWALK																						
STOPBAR																						
SUNSET LT																						
CROSSWALK																						
STOPBAR																						
HARVEY RT																						
CROSSWALK																						
STOPBAR																						
CULVER RT																						
CROSSWALK																						
STOPBAR																						
LACAS LT																						
CROSSWALK																						
TOTAL	2970	19096	2380	11052	1010	2020	1208	812	214	371	428	1017.6	2360	368	24362	10940	1464	582	144	1754.4	12553	

NOTE: PAINT PAVEMENT MARKING QUANTITY DOUBLED PER SPECIAL PROVISION.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\duncanbd\0130229\036	952-ah-tr-schedule.dgn	DRAWN -	REVISED -		68	2BRS-4	DEKALB	27	12			
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE:			SHEET NO. 4 OF 5 SHEETS			STA. TO STA.	
	PLOT DATE = 12/6/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT CONTRACT NO. 66952							



BEGIN IMPROVEMENT
STA. 0+00



FILE NAME : c:\pwwork\pwwork\duncanbd\8138229\0366952-shs-plan.dgn	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW	F.A.P. RTE. 6B	SECTION 28RS-4	COUNTY DEKALB	TOTAL SHEETS 27	SHEET NO. 14
	PLOT SCALE = 100.0000' / 1" / in	CHECKED -	REVISED -			SCALE: 1=50	SHEET NO. 1 OF 7 SHEETS	STA. 997+00 TO STA. 43+00	CONTRACT NO. 66952	
PLOT DATE = 12/6/2013	DATE -	REVISED -	REVISED -							



PAINT THERMOPLASTIC

APPARENT ROW

THERMOPLASTIC

MATCH LINE STA. 43+00

MATCH LINE STA. 49+00

+57

+75
PE

+32
PE

+80

+10
PE

+59

45

MANNING

APPARENT ROW



MILLING TRANSITION 30'
BEGIN HMA SURF REM 2 1/4"

APPARENT ROW

MATCH LINE STA. 49+00

MATCH LINE STA. 55+00

+06
CE

50

+59

+58

+60

+70

+70

+15

+60

55

FAIRVIEW

APPARENT ROW

8" WHITE

4" DOUBLE YELLOW

6" WHITE PREF PLAST "B" - INLAID (TYP.)

8" WHITE

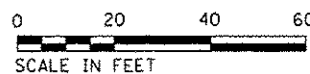
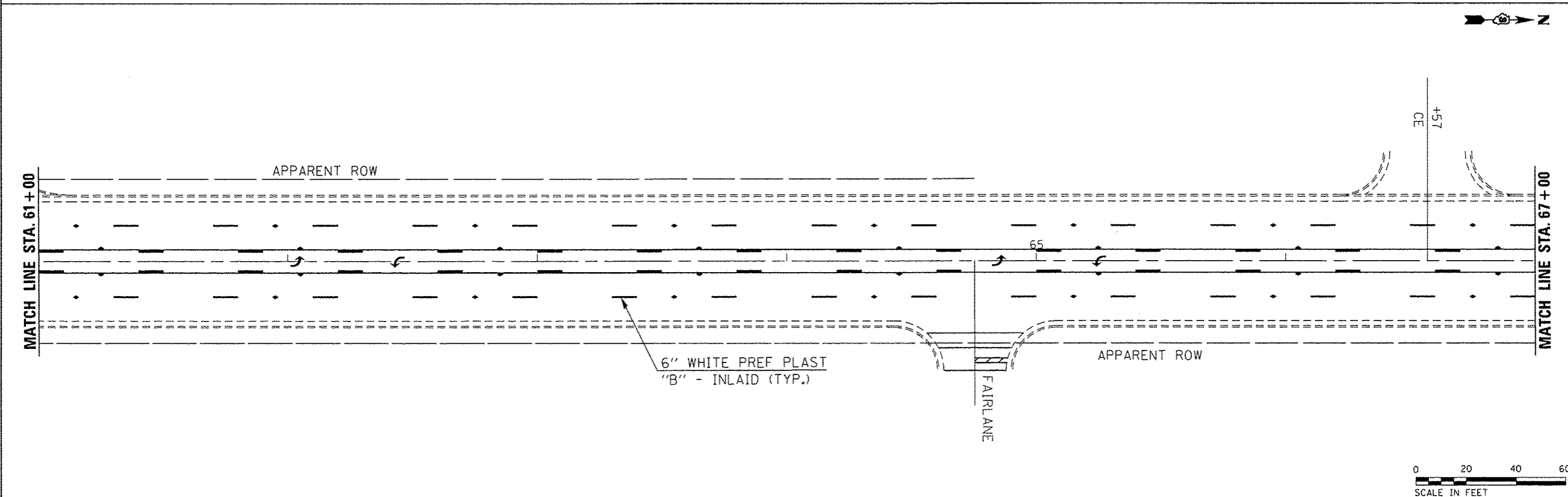
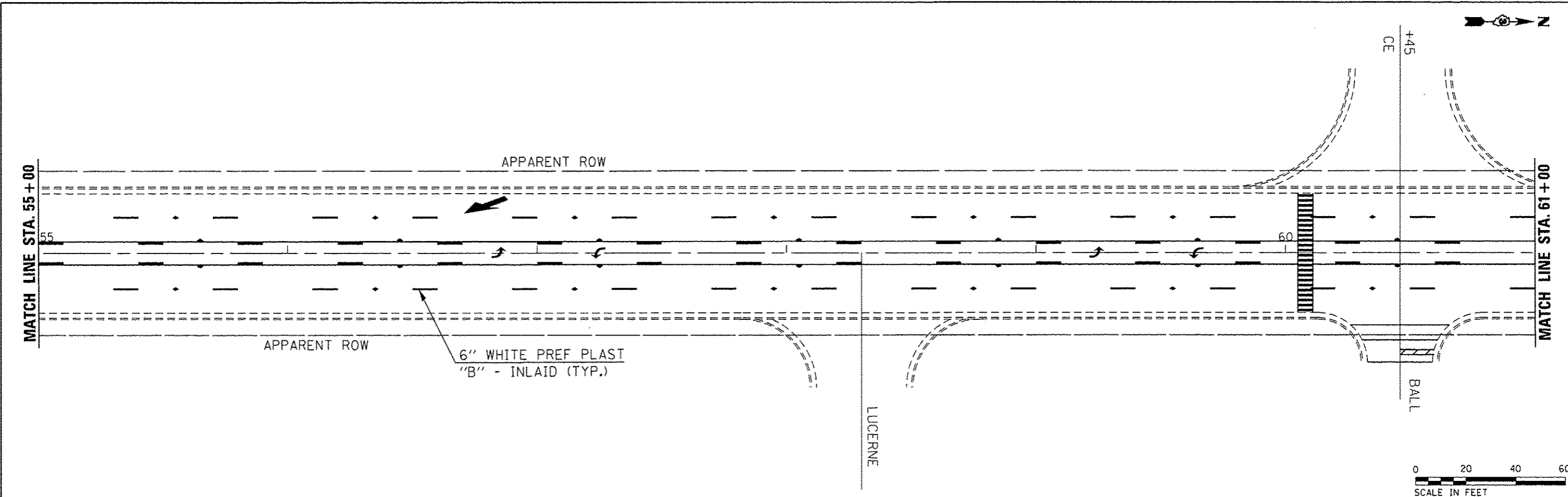


FILE NAME :	USER NAME :	DESIGNED :	REVISED :
c:\pwork\p\dot\dunaebd\0138229\036952-sh+plan.dgn	dunaebd	-	-
PLOT SCALE :	CHECKED :	REVISED :	REVISED :
1/8" = 1'-0"	-	-	-
PLOT DATE :	DATE :	REVISED :	REVISED :
12/6/2013	-	-	-

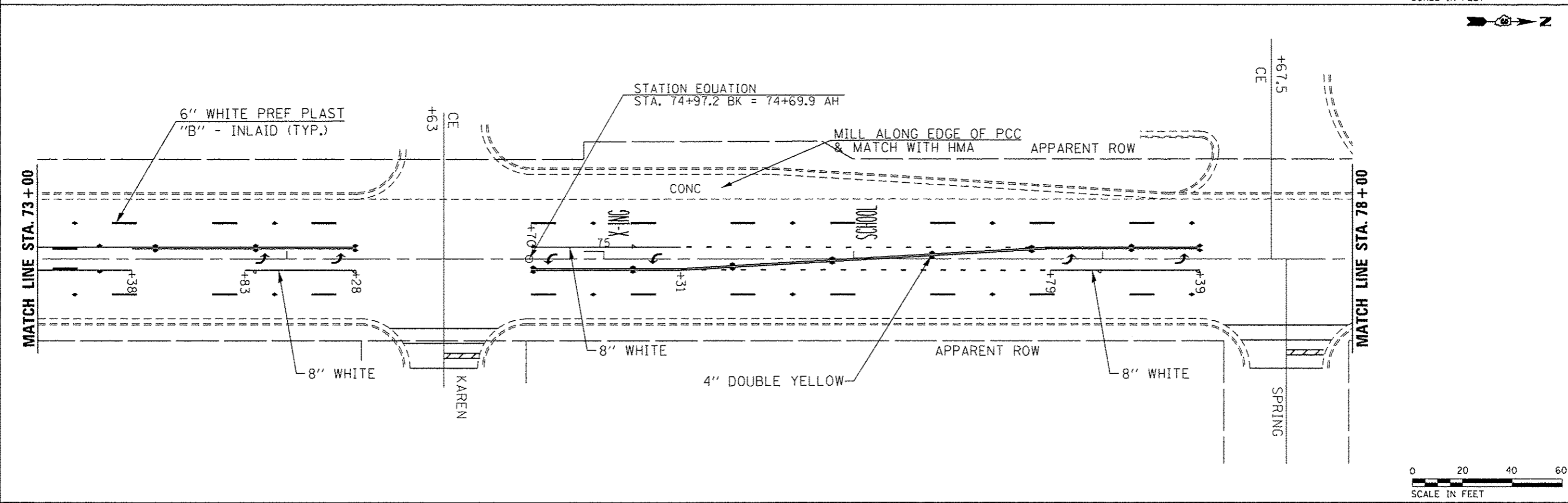
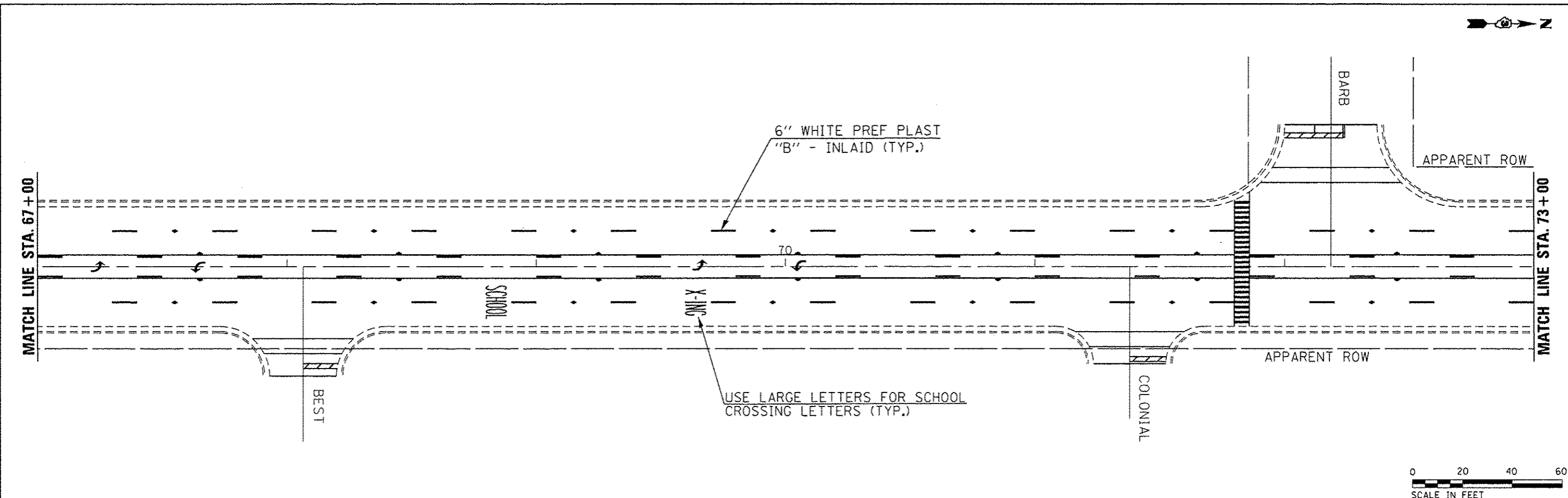
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1:20
SHEET NO. 2 OF 7 SHEETS
STA. 43+00 TO STA. 55+00

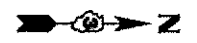
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	28RS-4	DEKALB	27	15
ILLINOIS FED. AID PROJECT				



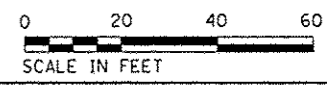
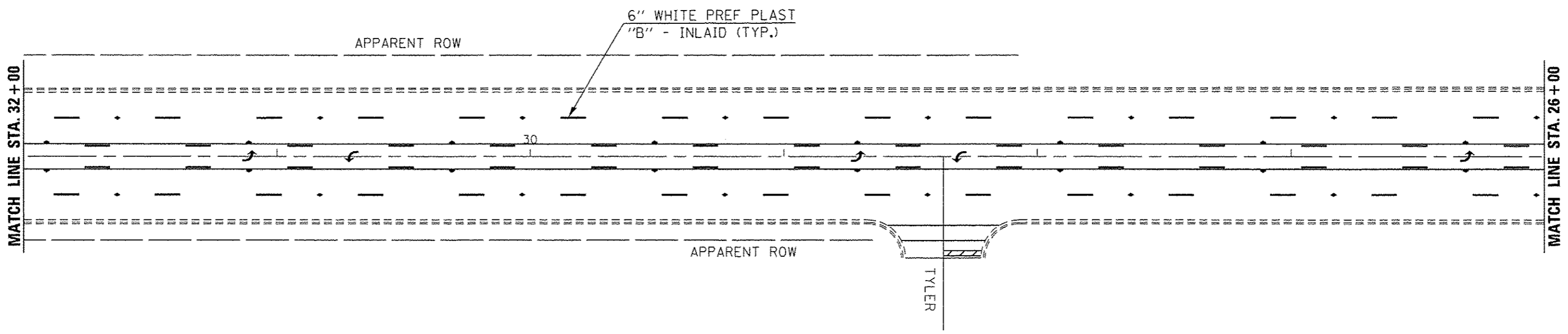
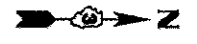
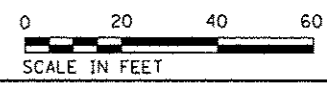
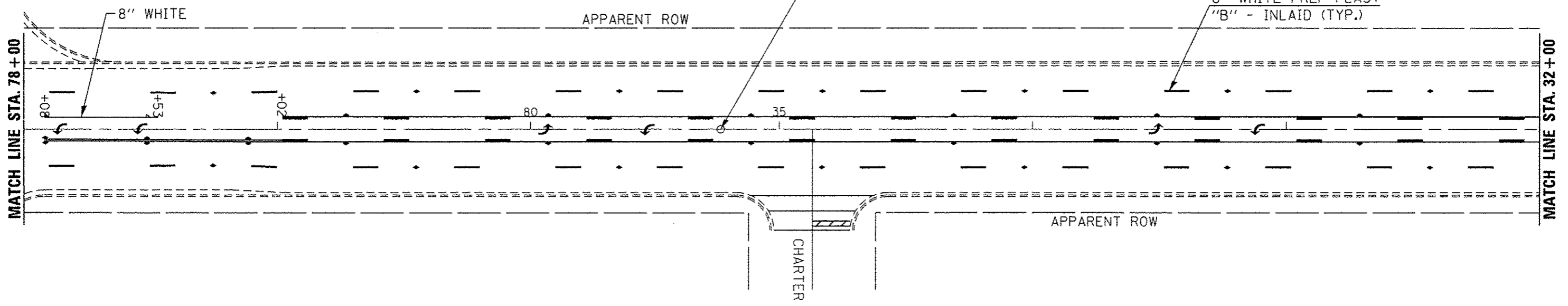
FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\p\work\p\wdot\duncanbd\0130229\036	952-sh:plan.dgn	DRAWN -	REVISED -			68	28RS-4	DEKALB	27	16	
	PLOT SCALE : 40,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66952					
	PLOT DATE : 12/6/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1:20	SHEET NO. 3 OF 7 SHEETS	STA. 55+00	TO STA. 67+00				



FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN VIEW		F.A.P. RTE. 68	SECTION 28RS-4	COUNTY DEKALB	TOTAL SHEETS 27	SHEET NO. 17	
c:\pwork\pvidas\duncanbd\0130229\036952-shr-plan.dgn		DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. 4 OF 7 SHEETS	STA. 67+00	TO STA. 78+00		CONTRACT NO. 66952		
PLOT SCALE = 48,0000' / in.		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 12/6/2013		DATE -	REVISED -									



STATION EQUATION
 STA. 80+75 BK = 35+23 AH
 (STATIONS DECREASE)



FILE NAME :	USER NAME :	DESIGNED :	REVISED :
at:\p...work\p...dot\dunaenbd\0130229\0365952-shl-plan.dgn	dunaenbd	-	-
	PLOT SCALE :	CHECKED :	REVISED :
	= 48.0000 / in.	-	-
	PLOT DATE :	DATE :	REVISED :
	= 12/6/2013	-	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN VIEW

SCALE: 1:20 SHEET NO. 5 OF 7 SHEETS STA. 78+00 TO STA. 26+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	28RS-4	DEKALB	27	18
CONTRACT NO. 66952				
ILLINOIS FED. AID PROJECT				



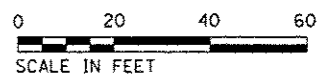
MATCH LINE STA. 14+00

MATCH LINE STA. 8+00

+84
CE

TAYLOR

10



MATCH LINE STA. 8+00

5



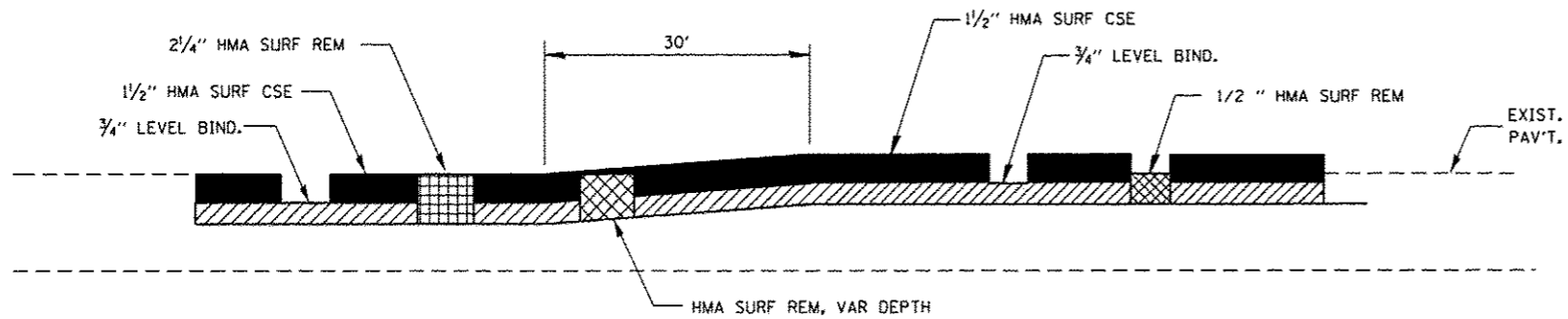
FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -
o:\p\work\p\d01\duncanbd\d0138229\036	952-shr-plan.dgn	DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW

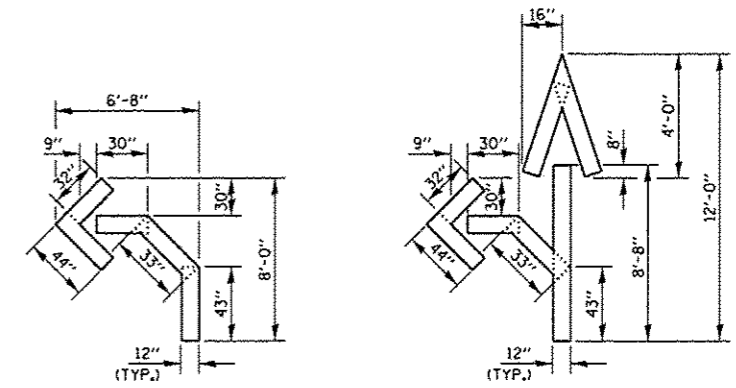
SCALE: 1:20 SHEET NO. 7 OF 7 SHEETS STA. 14+00 TO STA. 3+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	28RS-4	DEKALB	27	20
				CONTRACT NO. 66952
ILLINOIS FED. AID PROJECT				



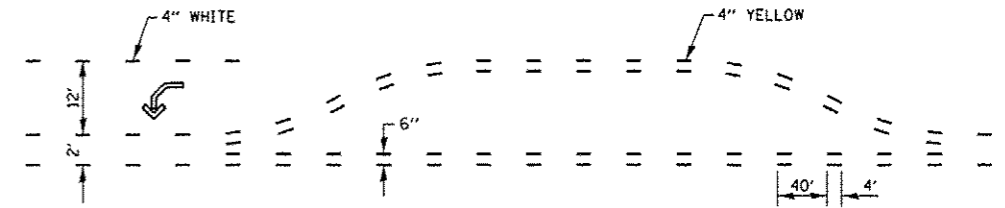
MILLING TRANSITION DETAIL

1 1/2 " TO 2 1/4 "

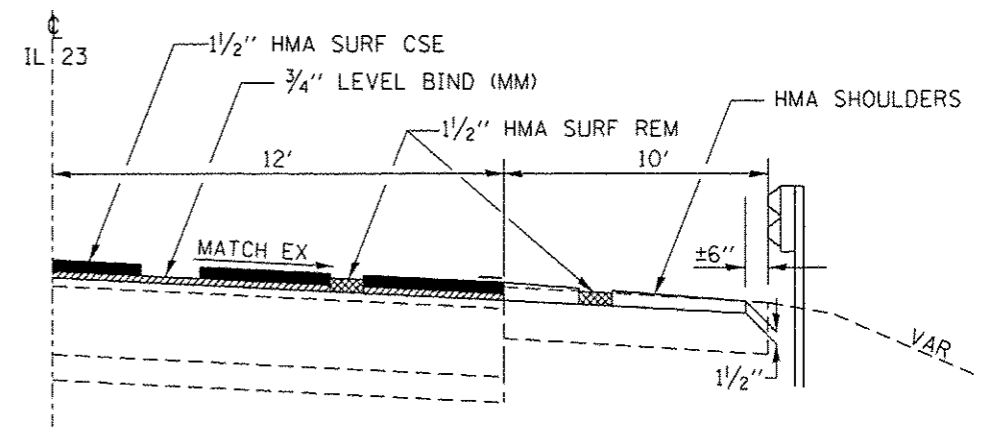


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



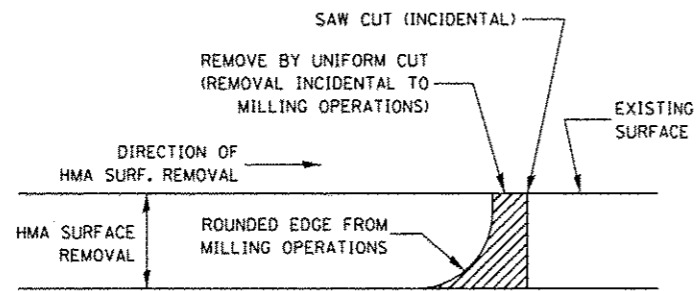
**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**



MILLING AT GUARDRAIL

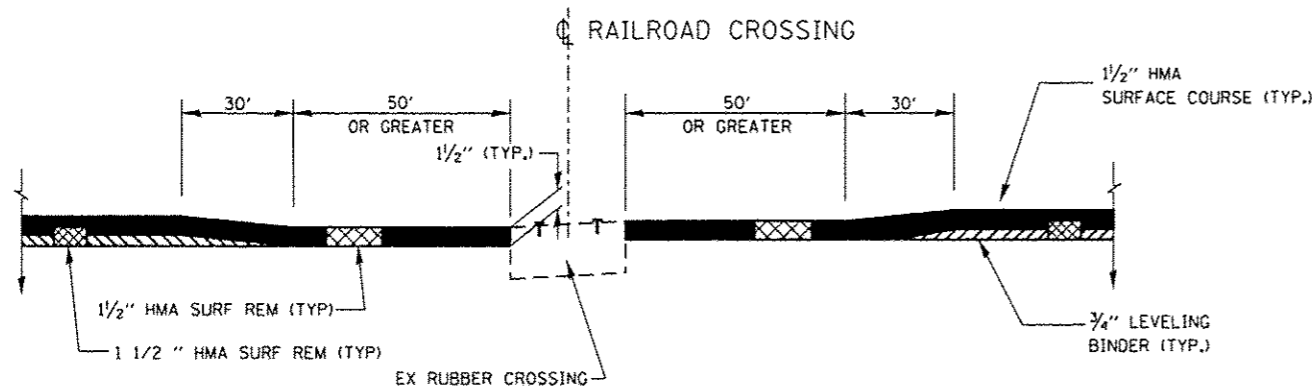
SEE PLAN VIEW FOR LOCATIONS

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwork\pwork\dat\duncanbd\09130229\036	952-shr-detail.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.	68	28RS-4	DEKALB	27	21
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -										
	PLOT DATE = 12/6/2013	DATE -	REVISED -										
ILLINOIS FED. AID PROJECT													

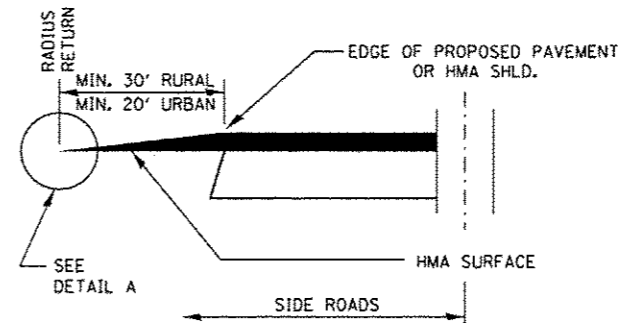
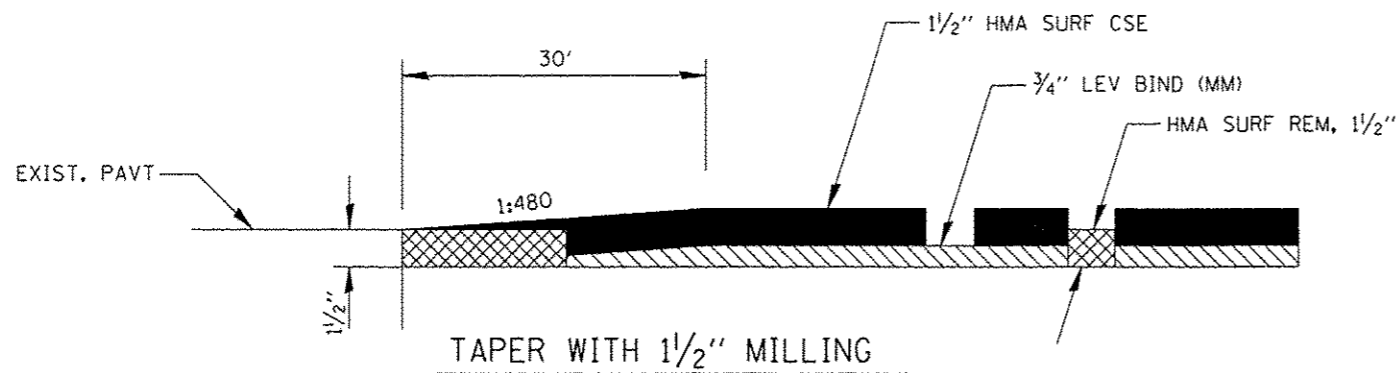


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

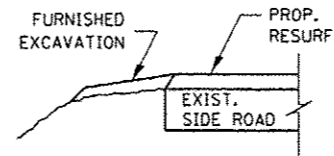
HMA DETAIL AT BUTT JOINTS



MILLING & RESURFACING DETAIL AT RAILROAD GRADE CROSSING

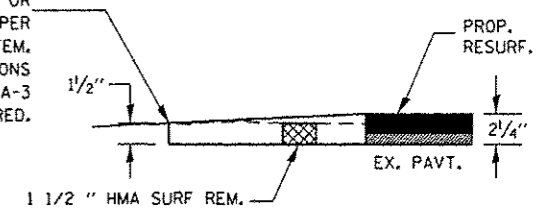


SECTION A-A DETAILS AT SIDE ROADS



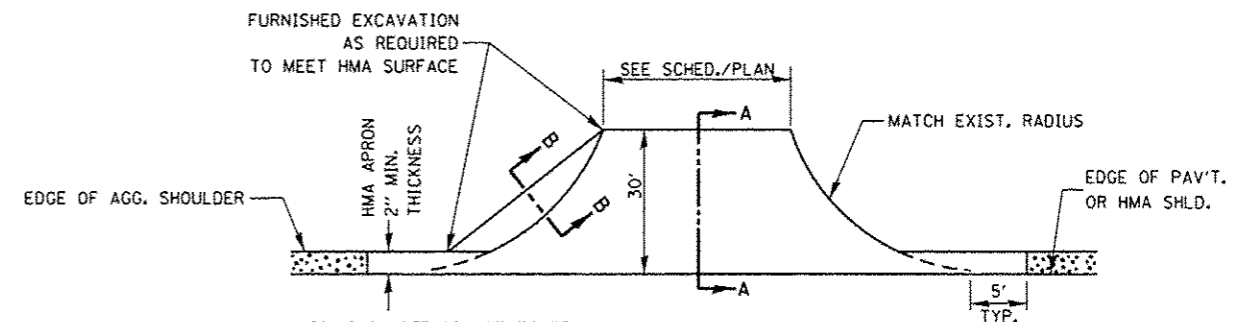
SECTION B-B

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A

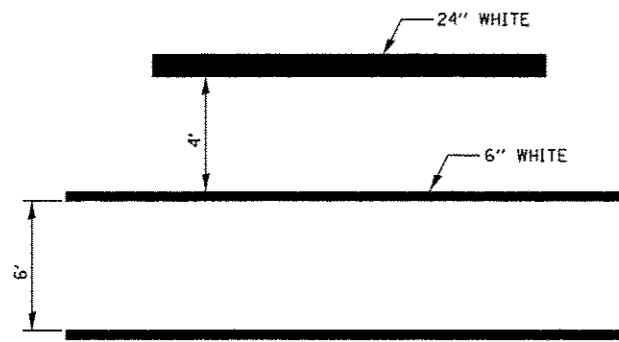
SIDERoads IN RURAL SECTION, IN URBAN SECTION MILLING & RESURFACING WILL BE 2 1/4"



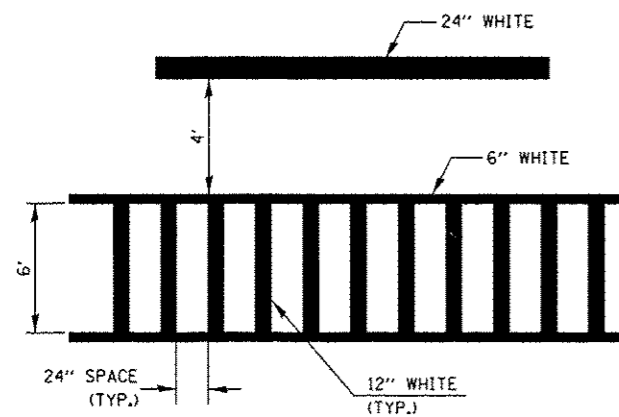
PLAN AT SIDE ROADS

PROP. HMA SHLD. SHALL NOT BE CONSTRUCTED THRU HMA SIDERoads.

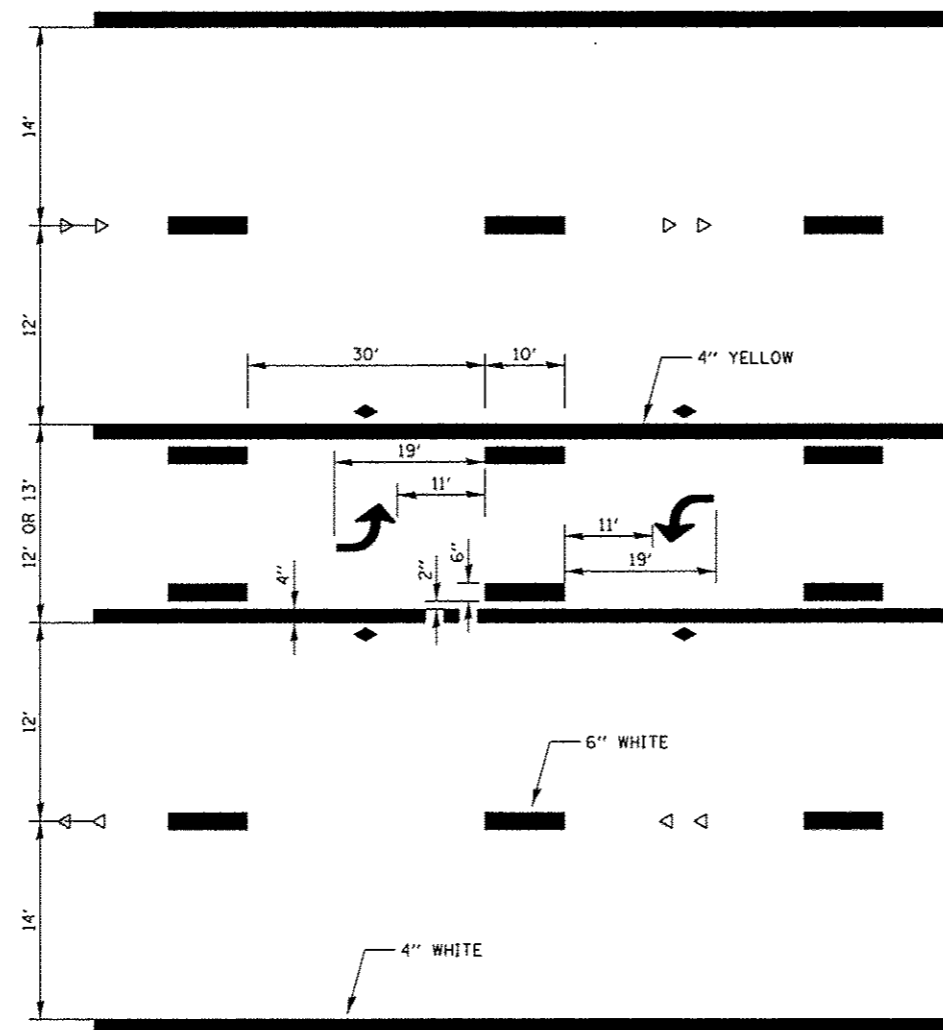
FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\duncanbd\08130229\036	952-shr-detail.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	68	28RS-4	DEKALB	27 22
		CHECKED -	REVISED -									CONTRACT NO. 66952
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT



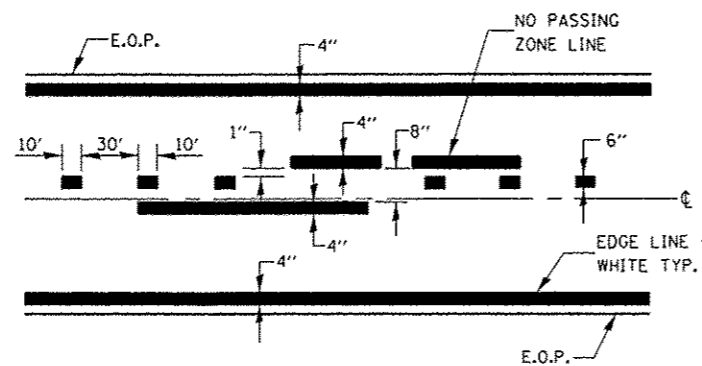
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



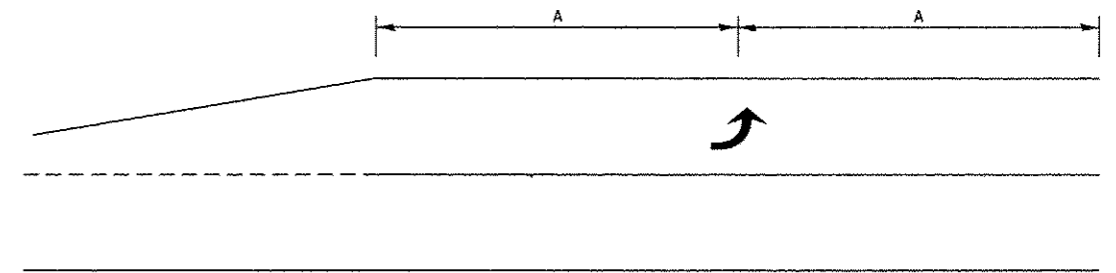
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



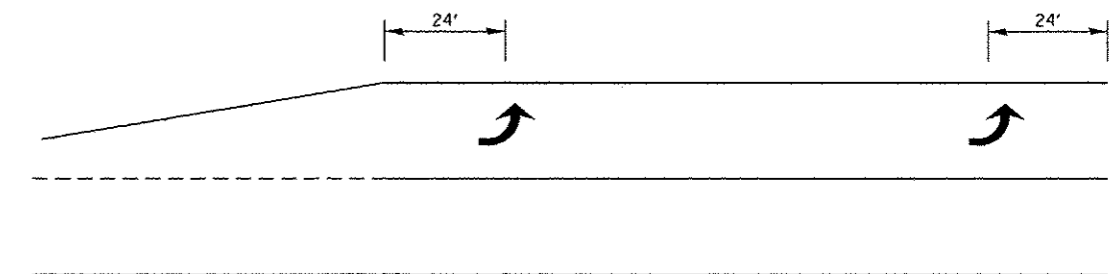
TYPICAL APPLICATION TWO WAY LEFT TURN LANE (TWLTL)



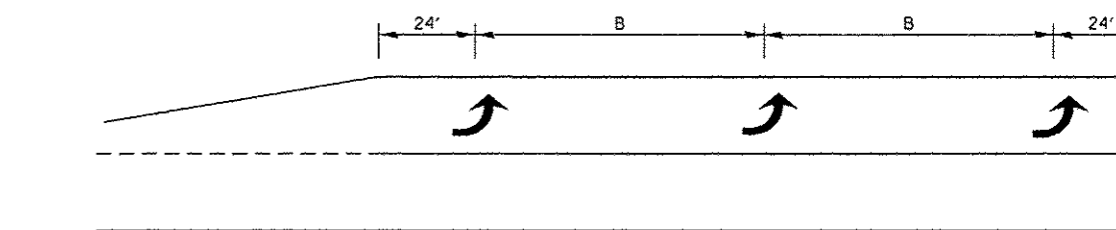
PAVEMENT MARKING



99' AND UNDER



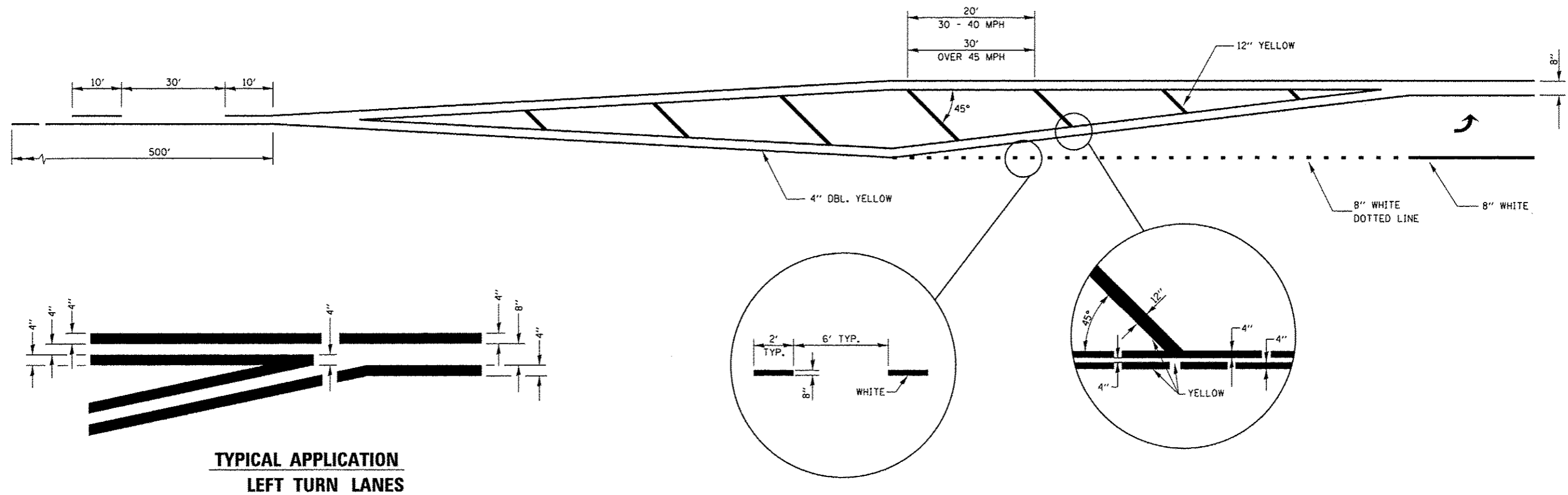
100' TO 149'



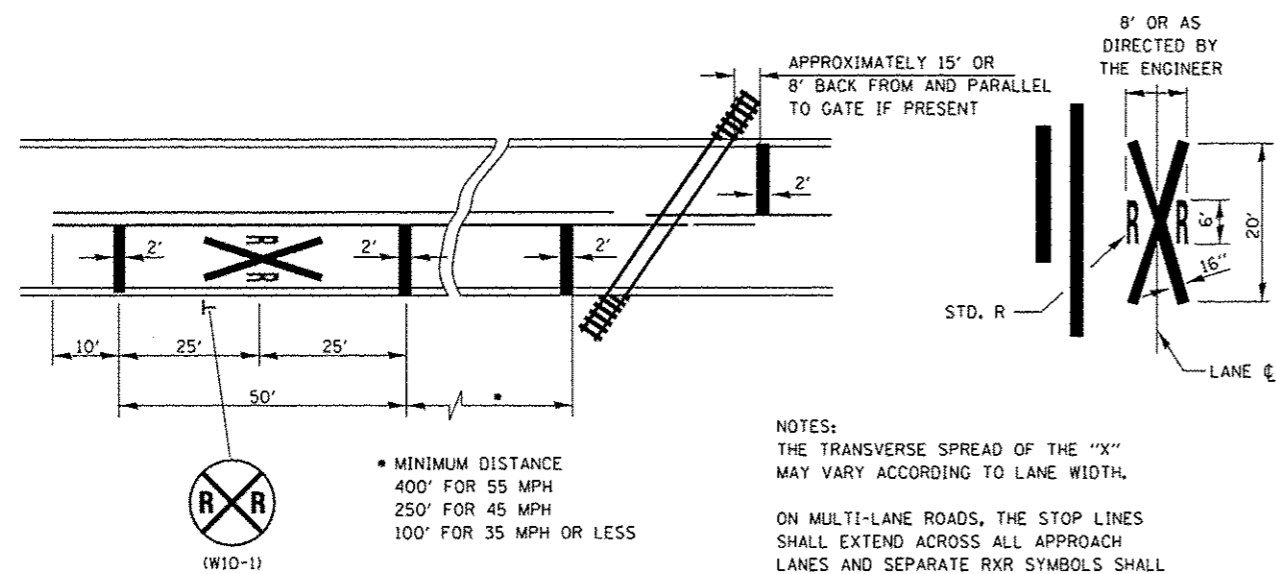
150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

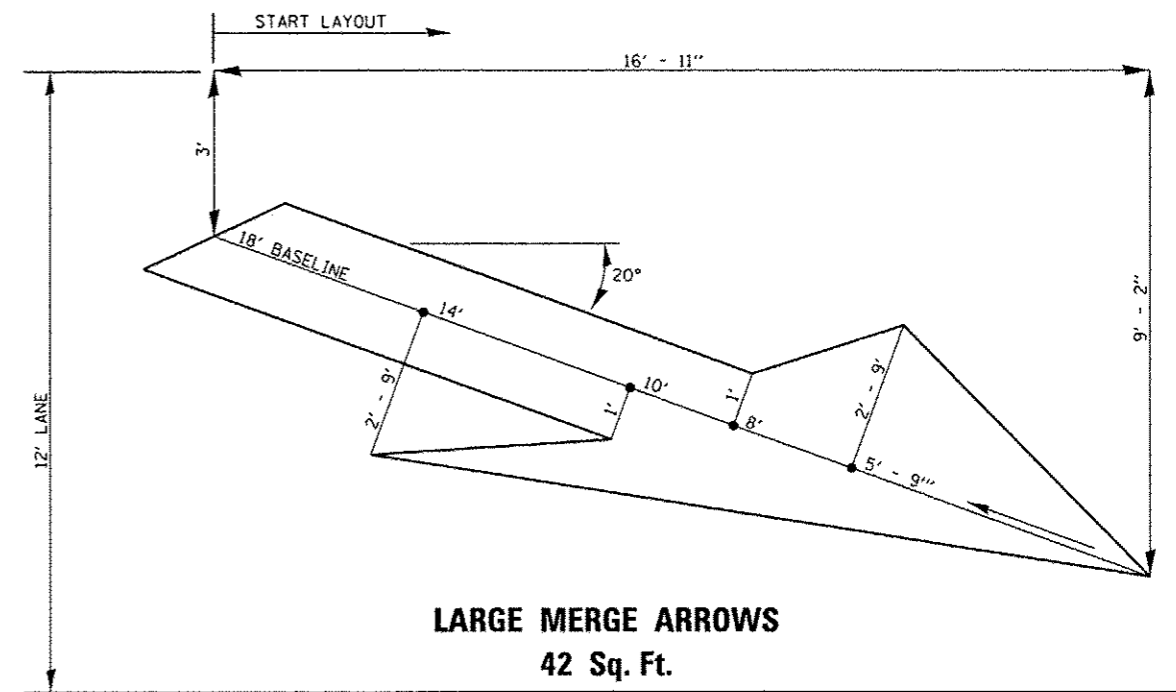
FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\1\duncanbd\138229\030	1952-sh1-detail\judgn	DRAWN -	REVISED -			68	28RS-4	DEKALB	27	23	
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 66952					
	PLOT DATE = 12/6/2013	DATE -	REVISED -			SCALE:	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



**TYPICAL APPLICATION
LEFT TURN LANES**



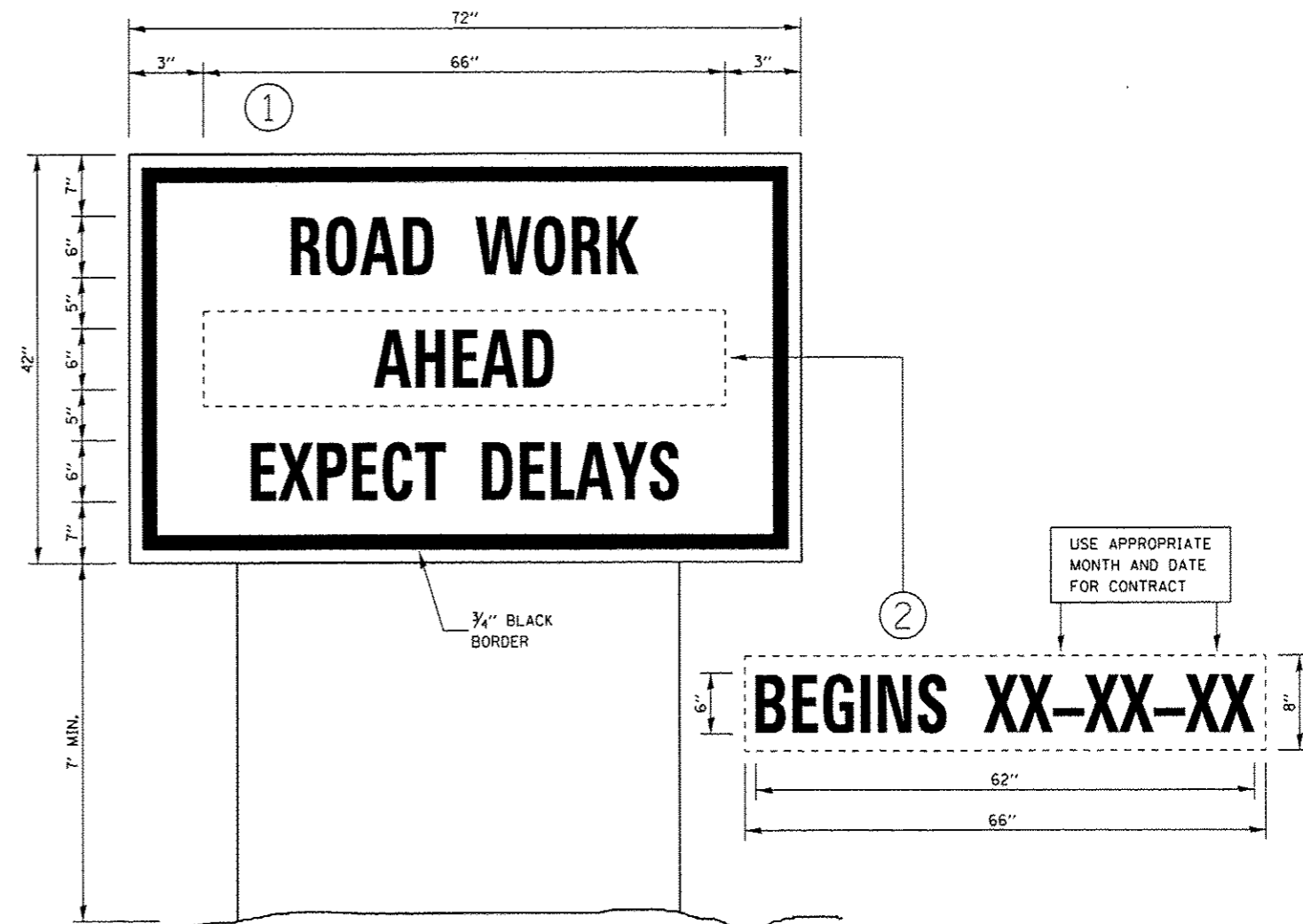
**PAVEMENT MARKINGS AT
RAILROAD-HIGHWAY GRADE CROSSING**



FILE NAME :	USER NAME :	DESIGNED :	REVISED :
c:\pwork\pwork\duncanbd\0138229\036952-sh-t-detail.dgn	duncanbd	-	-
PLOT SCALE :	CHECKED :	REVISED :	REVISED :
1/8" = 1' / in.	-	-	-
PLOT DATE :	DATE :	REVISED :	REVISED :
12/6/2013	-	-	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET NO. 4 OF 7 SHEETS		STA. TO STA.		F.A.P. RTE. 68	SECTION 28RS-4	COUNTY DEKALB	TOTAL SHEETS 27	SHEET NO. 24
						CONTRACT NO. 66952				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

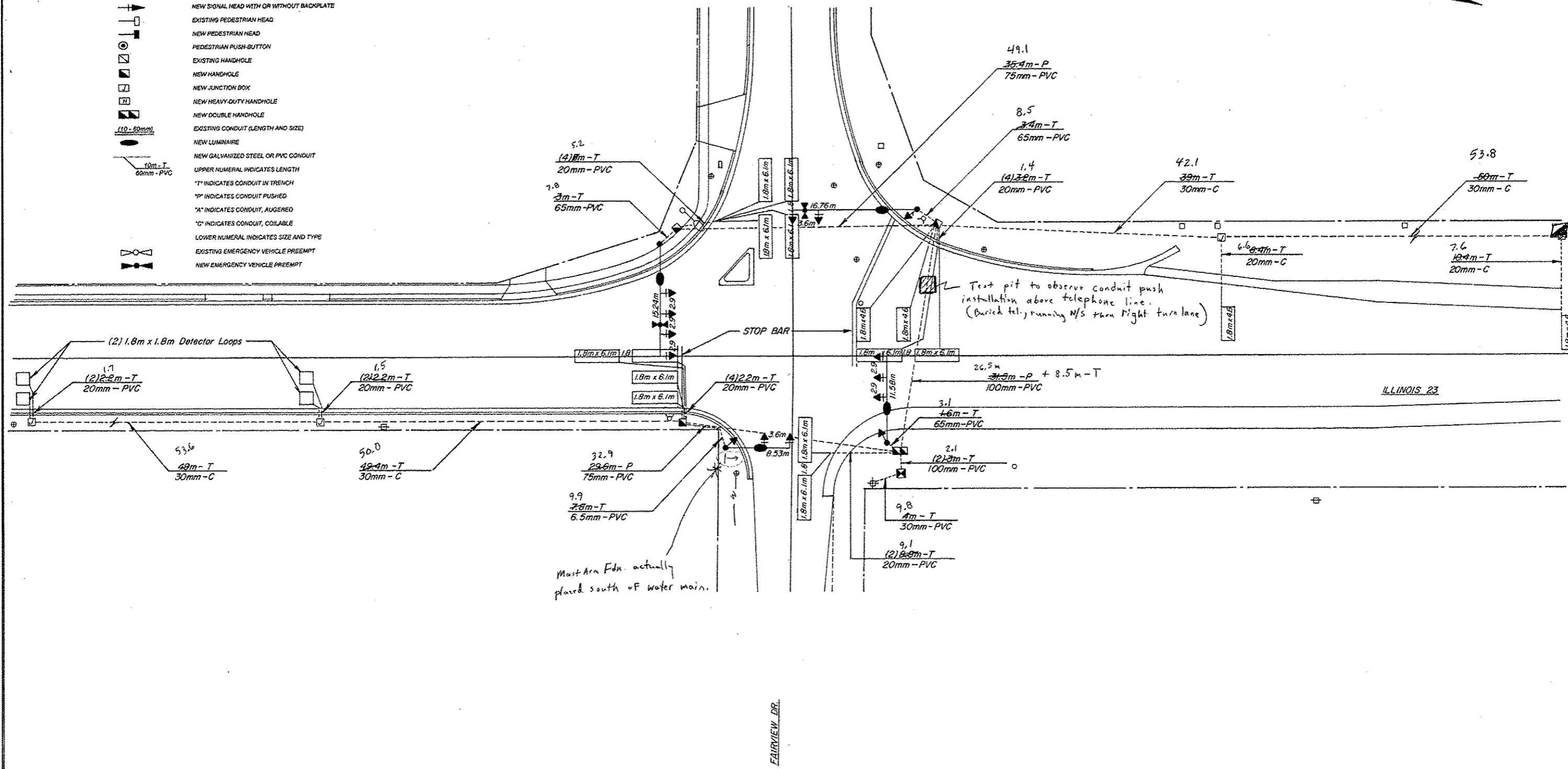
NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FAIRVIEW DR TRAFFIC SIGNALS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\duncanbd\8138229\036	952-sht-details.dgn	DRAWN -	REVISED -			68	28RS-4	DEKALB	27	25	
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -			SCALE:		SHEET NO. 6 OF 7 SHEETS		STA. TO STA.	
	PLOT DATE = 12/6/2013	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 68	28TS	DEKALB	5	3
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

- LEGEND**
- EXISTING CONTROLLER
 - NEW CONTROLLER
 - EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
 - EXISTING STEEL MAST ARM ASSEMBLY AND POLE
 - NEW STEEL MAST ARM ASSEMBLY AND POLE
 - EXISTING SIGNAL HEAD AND POST
 - NEW SIGNAL HEAD AND POST
 - EXISTING SIGNAL HEAD WITH OR WITHOUT BACKPLATE
 - NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
 - EXISTING PEDESTRIAN HEAD
 - NEW PEDESTRIAN HEAD
 - PEDESTRIAN PUSH-BUTTON
 - EXISTING HANDHOLE
 - NEW HANDHOLE
 - NEW JUNCTION BOX
 - NEW HEAVY-DUTY HANDHOLE
 - NEW DOUBLE HANDHOLE
 - EXISTING CONDUIT (LENGTH AND SIZE)
 - NEW LUMINAIRE
 - NEW GALVANIZED STEEL OR PVC CONDUIT
 - UPPER NUMERAL INDICATES LENGTH
 - "T" INDICATES CONDUIT IN TRENCH
 - "P" INDICATES CONDUIT PUSHED
 - "A" INDICATES CONDUIT, AUGERED
 - "C" INDICATES CONDUIT, COILABLE
 - LOWER NUMERAL INDICATES SIZE AND TYPE
 - EXISTING EMERGENCY VEHICLE PREEMPT
 - NEW EMERGENCY VEHICLE PREEMPT



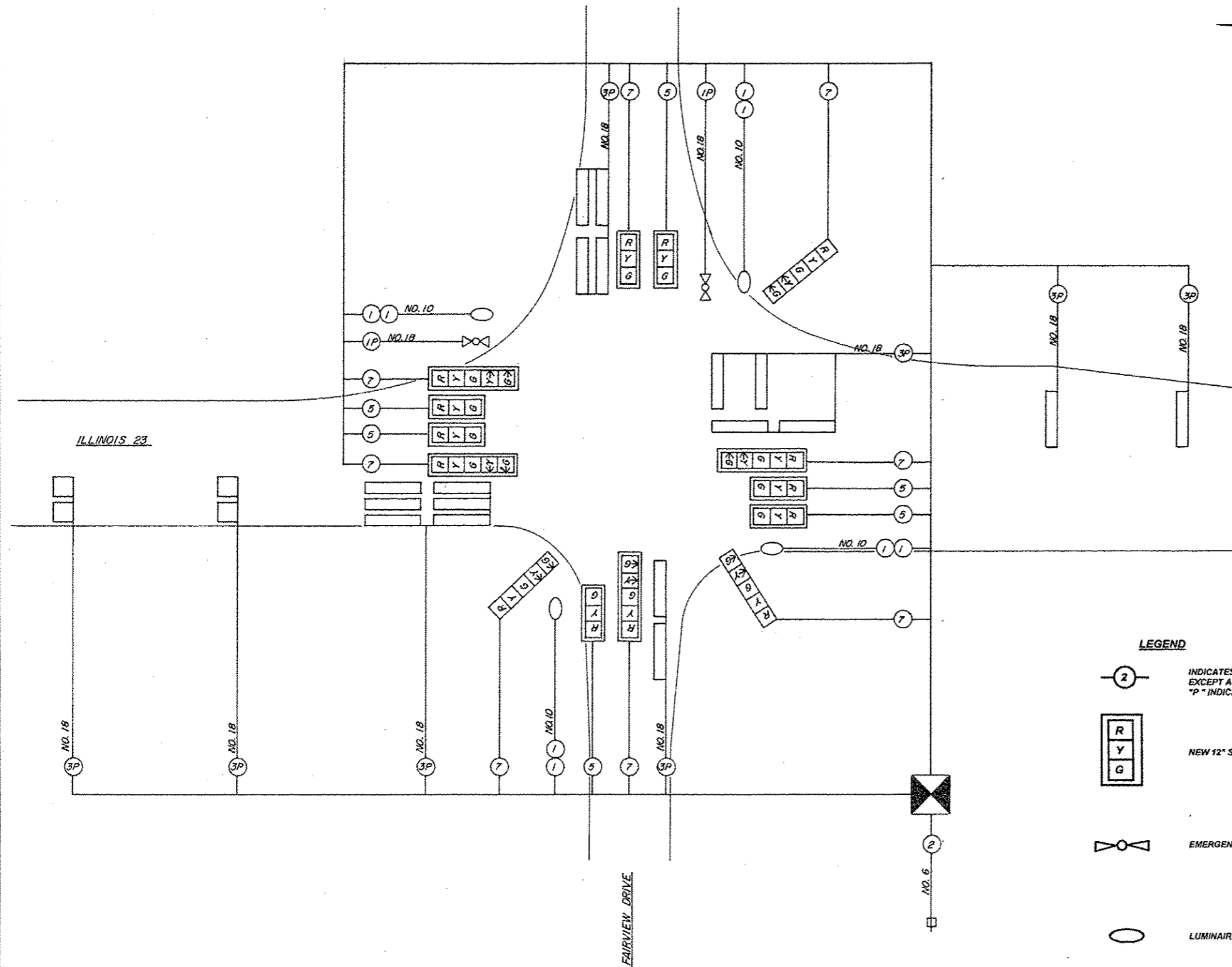
DISTRICT NO. 2 DIXON
 DESIGNED
 DRAWN L.D.HILL DATE 8/19/97
 CHECKED SCALE 1:250

FOR INFORMATION ONLY

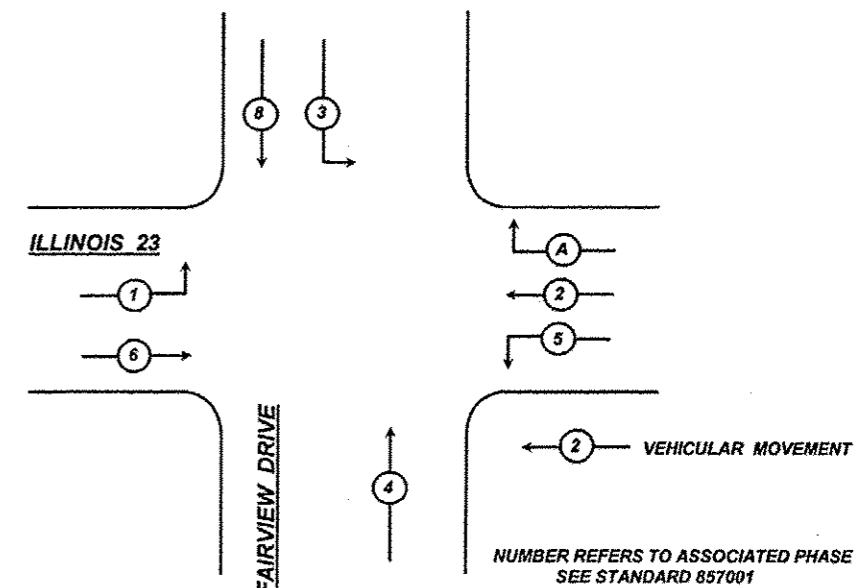
FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FAIRVIEW DR TRAFFIC SIGNALS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\duncanbd\08138229\036	952-shr-details.dgn	DRAWN -	REVISED -		68	28RS-4	DEKALB	27	25		
	PLOT SCALE = 100.0000 / 1 in.	CHECKED -	REVISED -		SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 66952		
	PLOT DATE = 12/6/2013	DATE -	REVISED -								

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 68	28TS	DEKALB	5	4
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				

CABLE PLAN



PHASE DESIGNATION DIAGRAM



LEGEND

- INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED. "P" INDICATES PAIR CABLE.
- NEW 12" SIGNAL HEAD WITH OR WITHOUT BACKPLATE
- EMERGENCY VEHICLE PREEMPT
- LUMINAIRE, 250 WATT

DETECTOR ASSIGNMENT

DETECTOR	PHASE NO.	DIRECTION
A	1	SB LEFT TURN
B	6	SB PRESENT
C	6	SB MID ADVANCE
D	6	SB FAR ADVANCE
E	5	NB LEFT TURN
F	2	NB PRESENT
G	2	NB MID ADVANCE
H	2	NB FAR ADVANCE
I	3	WB LEFT TURN
J	8	WB PRESENT
K	7	EB LEFT TURN (FUTURE)
L	4	EB PRESENT

DISTRICT NO. 2 DIXON

DESIGNED
DRAWN L. D. HILL DATE 6/23/97
CHECKED SCALE

FOR INFORMATION ONLY

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
c:\p\work\pwr\duncanbd\08130229\036	952-ah1-detail.dgn	DRAWN -	REVISED -
	PLOT SCALE = 1/8" = 1' IN.	CHECKED -	REVISED -
	PLOT DATE = 12/6/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS	
SCALE:	SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	28RS-4	DEKALB	27	27
CONTRACT NO. 66952				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				