

031

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103,104,105)RS-4	LIVINGSTON	35	1
		ILLINOIS	CONTRACT NO. 66880	

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-7 SUMMARY OF QUANTITIES
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- 20-22 VARIABLE DEPTH MILLING DETAILS
- 23-25 DETECTOR LOOP DETAILS
- 26-35 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

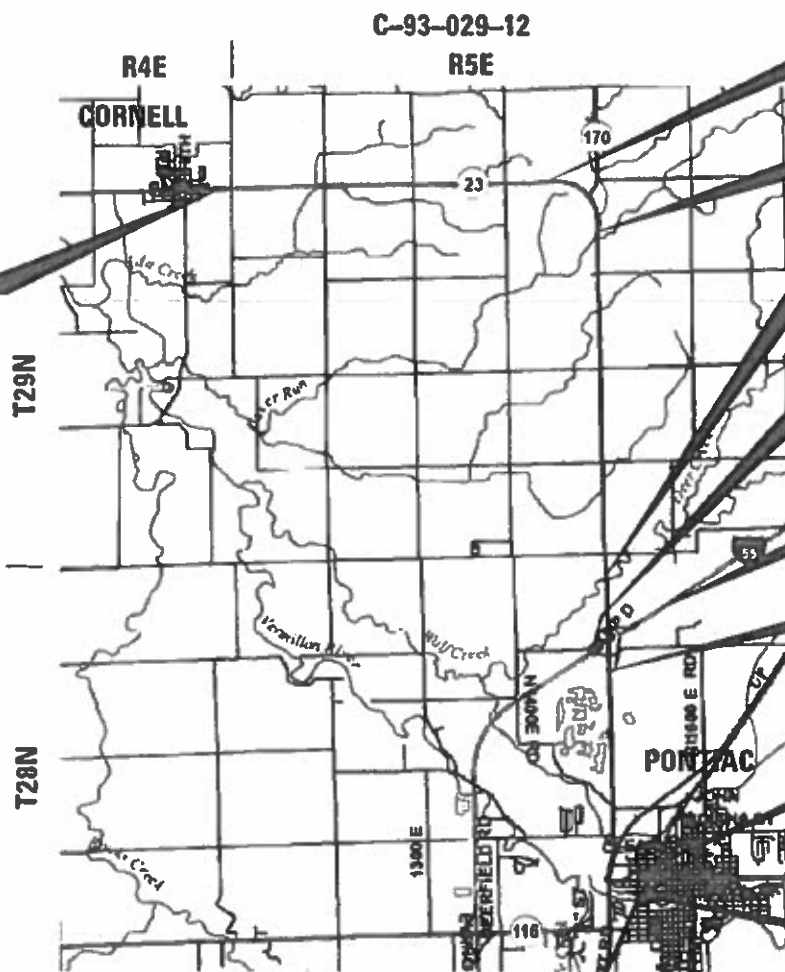
- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 442101-09 CLASS 8 PATCHES
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630101-10 STRONG POST GUARDRAIL ATTACHED TO CULVERT
- 630106-02 LONG-SPAN GUARDRAIL OVER CULVERT
- 630201-07 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-16 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001-02 DELINEATORS
- 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
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS  $\geq$  45 MPH
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEEDS  $\geq$  45 MPH
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782001-01 CURB REFLECTORS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

PROPOSED  
HIGHWAY PLANS

FAP ROUTE 68 (IL 23)  
SECTION (103, 104, 105)RS-4  
PROJECT NHPP-STP-610I(196)  
3P MILLING AND RESURFACING  
LIVINGSTON COUNTY



2017 ADT = 3950  
P.V. = 81.7% S.U. = 10.1% M.U. = 8.2%  
HIGHWAY CLASSIFICATION - MINOR ARTERIAL



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

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

PROJECT ENGINEER: BRAD DUNCAN P.E.  
UNIT CHIEF: DARCY CARPENTER

CONTRACT NO. 66880

GROSS LENGTH = 66,355.7 FT. = 12.57 MILE  
NET LENGTH = 66,268.7 FT. = 12.55 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 4, 2020

[Signature] REGIONAL ENGINEER

March 20, 2020 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 20, 2020 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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**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.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

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.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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
BINDER (HAND METHOD)	0.0005	TONS / SQ YD
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

DATE:

2-4-2020

PREPARED BY:

Tom Benoit  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

Joseph  
DISTRICT CONSTRUCTION ENGINEER  
Michael A. Short  
DISTRICT MATERIALS ENGINEER  
Tom Hagan  
DISTRICT OPERATIONS ENGINEER

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED-20% STATE STP ROADWAY	80% FED-20% STATE STP ROADWAY	80% FED-20% STATE NHPP ROADWAY
				0005 RURAL	0005 URBAN	0005 URBAN
20200100	EARTH EXCAVATION	CU YD	214	153	46	15
20400800	FURNISHED EXCAVATION	CU YD	11.1	8.1	1.2	1.8
21400100	GRADING AND SHAPING DITCHES	FOOT	950	850		100
25000210	SEEDING, CLASS 2A	ACRE	0.3	0.2		0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	23.6	1.8	4.6
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	23.6	1.8	4.6
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	23.6	1.8	4.6
25100630	EROSION CONTROL BLANKET	SQ YD	1601	1244	97	260
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	147288	89196	23130	34962
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	62.5	39	8.5	15
40600900	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50	TON	104	65	14	25
40600990	TEMPORARY RAMP	SQ YD	821	270	265	286
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	21192	14475	3167	3550
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	20357	12700	2771	4886

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	PLOT DATE = 2/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103,104,105)RS-4	LIVINGSTON	35	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66B80	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED-20% STATE STP ROADWAY	80% FED-20% STATE STP ROADWAY	80% FED-20% STATE NHPP ROADWAY
				0005 RURAL	0005 URBAN	0005 URBAN
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1360	563	143	654
42000060	WELDED WIRE REINFORCEMENT	SQ YD	16			16
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8023		8023	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	5798	2601		3197
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	181761	126327	27604	27830
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	16			16
44201298	DOWEL BARS 1 1/4"	EACH	25			25
44213200	SAW CUTS	FOOT	64			64
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4111	2702	807	602
48203100	HOT-MIX ASPHALT SHOULDERS	TON	899		899	
54390190	INSERTION CULVERT LINER 27"	FOOT	55			55
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1525	387.5	775	362.5
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50		50	
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	87.5	87.5		

\*= SPECIALTY ITEM

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/4/2020					ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				80% FED-20% STATE STP ROADWAY 0005 RURAL	80% FED-20% STATE STP ROADWAY 0005 URBAN	80% FED-20% STATE NHPP ROADWAY 0005 URBAN				
				* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4			4
				* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	16	4	8	4				
63200310	GUARDRAIL REMOVAL	FOOT	2475	537.5	1275	662.5				
63500105	DELINEATORS	EACH	66	66						
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	12	7	4	1				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	3	1	1				
67100100	MOBILIZATION	L SUM	1	0.4	0.3	0.3				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.6	0.4					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.6	0.4					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	27525	21294	2461	3770				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3060	2367	274	419				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	480	47	141	292				

\*= SPECIALTY ITEM

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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 66B80			
PLOT DATE = 2/4/2020										ILLINOIS FED. AID PROJECT			

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				80% FED-20% STATE STP ROADWAY	80% FED-20% STATE STP ROADWAY	80% FED-20% STATE NHPP ROADWAY	
				0005 RURAL	0005 URBAN	0005 URBAN	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28031		16557	11474	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1155		502	653	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2905	915	170	1820	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	582	158	127	297	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	313	83		230	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	242760	184680	38772	19308	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	24463	17645	1944	4874	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	701	334	152	215	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	33	8	17	8	
* 78200020	CURB REFLECTORS	EACH	24	16		8	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	701	334	152	215
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2321			2321	
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1			1	
	X0327037	SPECIAL GRATE NO. 1	EACH	1	1		

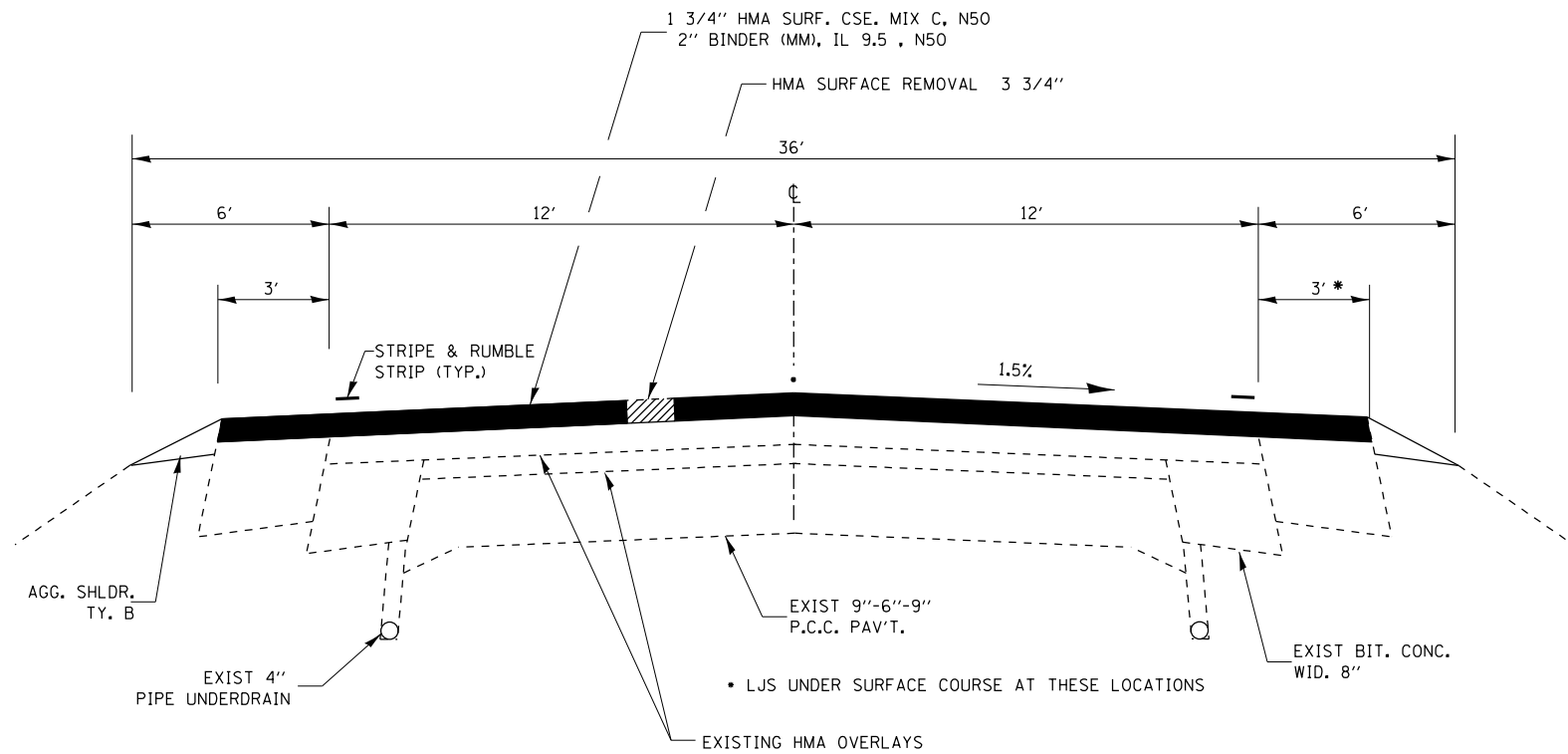
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PLOT DATE = 2/4/2020					ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				0005 RURAL	0005 URBAN	0005 URBAN
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	16	4	8	4
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	28947	4391	1637	22919
X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	34			34
X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	34	34		
X6350120	DELINEATOR REMOVAL	EACH	66	66		
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	433	158	275	
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	68	68		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	84	21	42	21
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	50686	38405	8204	4077
Z0034105	MATERIAL TRANSFER DEVICE	TON	41549	27175	5938	8436
Ø Z0076600	TRAINEES	HOUR	1000	1000		
Z0055400	RUMBLE STRIP	FOOT	48271	33094	8204	6973
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1000	1000		

Ø 0042

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PLOT DATE = 2/24/2020					ILLINOIS FED. AID PROJECT							



**PROPOSED TYPICAL SECTION NO. 1**

STA. 136+60.5 - STA. 331+05.9  
 STA. 91+00 - STA. 96+56.49  
 STA. 383+51.33 - STA. 558+87  
 STA. 641+90.5 - STA. 727+20

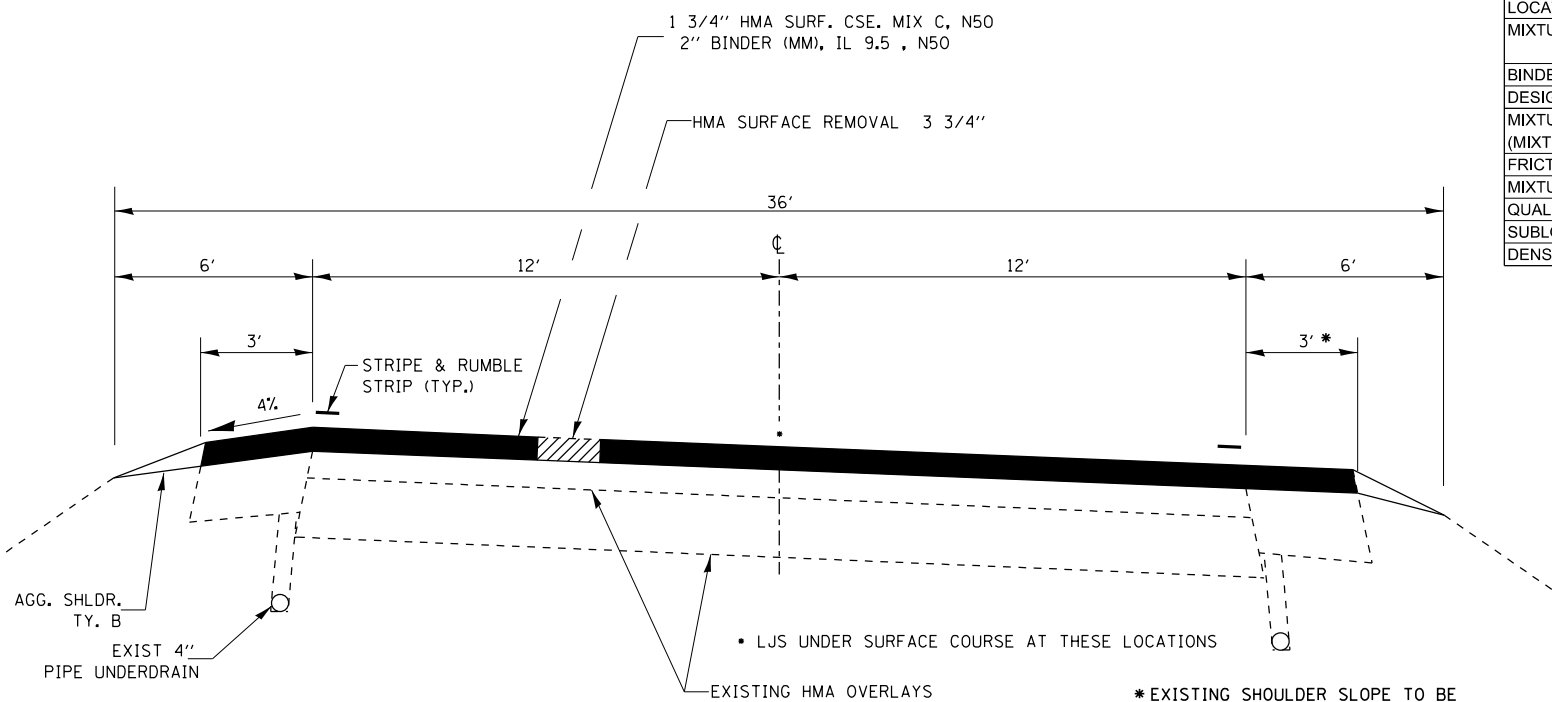
\* EXISTING SHOULDER SLOPE TO BE ADJUSTED TO MATCH MAINLINE SLOPE DURING THE MILLING PROCESS.

SHOULDER TO BE PAVED AT THE SAME TIME AS MAINLINE

STA. EQ.	331+05.9 BK = 91+00 AH
STA. EQ.	133+07.59 BK = 383+51.33 AH
STA. EQ.	602+90.5 BK = 69+00 AH
STA. EQ.	30+00 BK = 641+90.5 AH
STA. EQ.	1476+15.0 BK = 1480+00.3 AH OLD RTE. 66
STR. OM.	586+18.75 TO 587+05.75 S.N. 053-0148
OMISSION	69+00 TO 30+00

SHOULDER RUMBLE STRIPES SHOULD BE OMITTED AT:

- \* 500 FT IN ADVANCE OF ANY POSTED SPEED ZONE OF 45 MPH OR LOWER
- \* 25 FT PRIOR TO THE BEGINNING OF THE TAPER FOR A RIGHT/LEFT TURN LANE, AND ACCELERATION/DECELERATION LANES



**PROPOSED TYPICAL SECTION NO. 2**

STA. 96+56.59 - STA. 115+75.1  
 STA. 119+17.7 - STA. 133+07.59

\* EXISTING SHOULDER SLOPE TO BE ADJUSTED TO MATCH MAINLINE SLOPE DURING THE MILLING PROCESS.

SHOULDER TO BE PAVED AT THE SAME TIME AS MAINLINE

LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA	HMA	HMA	HMA
BINDER GRADE (PG):	BINDER COURSE	SURFACE COURSE	SHOULDER	INCIDENTAL
DESIGN AIR VOIDS:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
MIXTURE COMPOSITION: (MIXTURE GRADATION)	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
FRICTION AGGREGATE:	IL-9.5	IL-9.5	IL-9.5	IL-9.5
MIXTURE WEIGHT:	N/A	MIXTURE C	N/A	N/A
QUALITY MANAGEMENT PROGRAM:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
SUBLOT SIZE:	QCP	QCP	QC/QA	QC/QA
DENSITY TEST METHOD:	1000 TONS	1000 TONS	N/A	N/A
	CORES	CORES	CORES	SATISFACTION OF THE ENGINEER

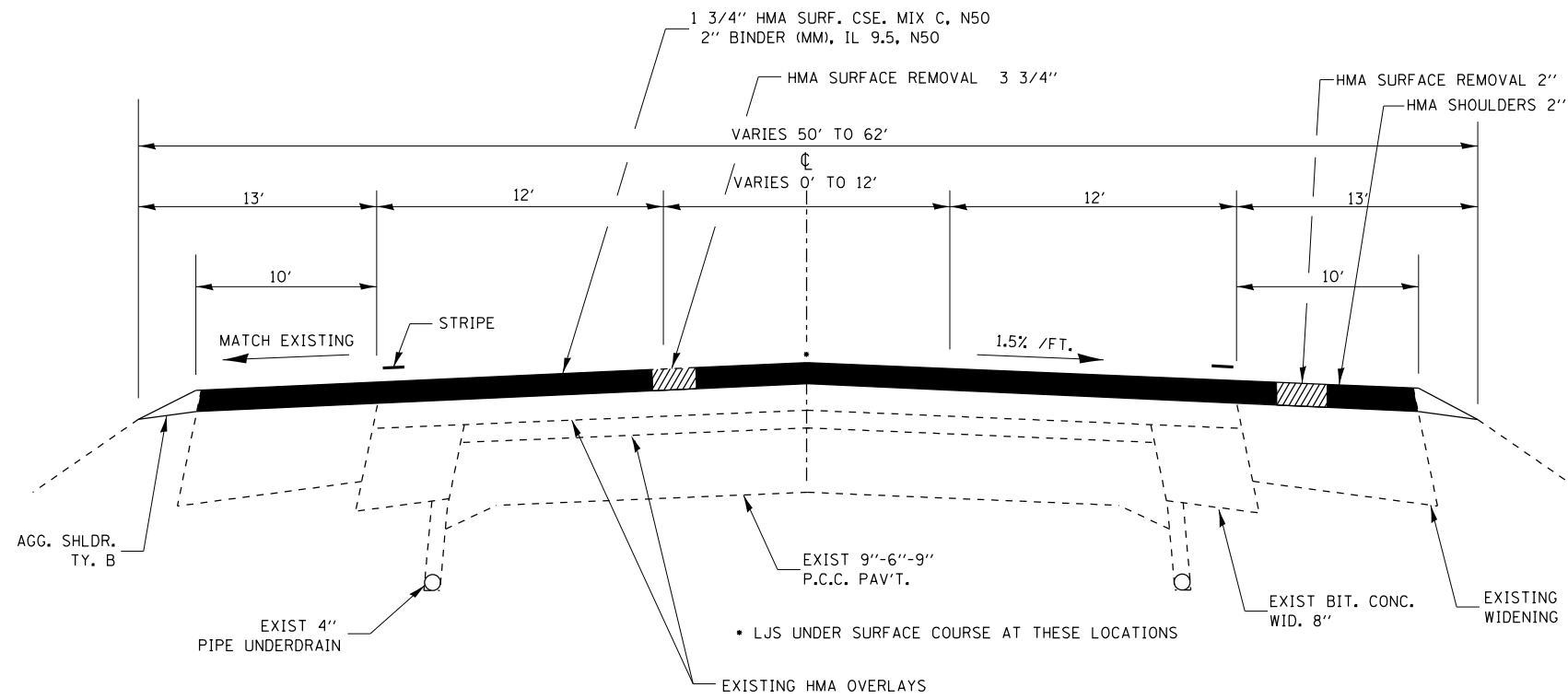
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS IL 23</b>	
SCALE: 50	SHEET NO. 1 OF 5 SHEETS
STA.	TO STA.

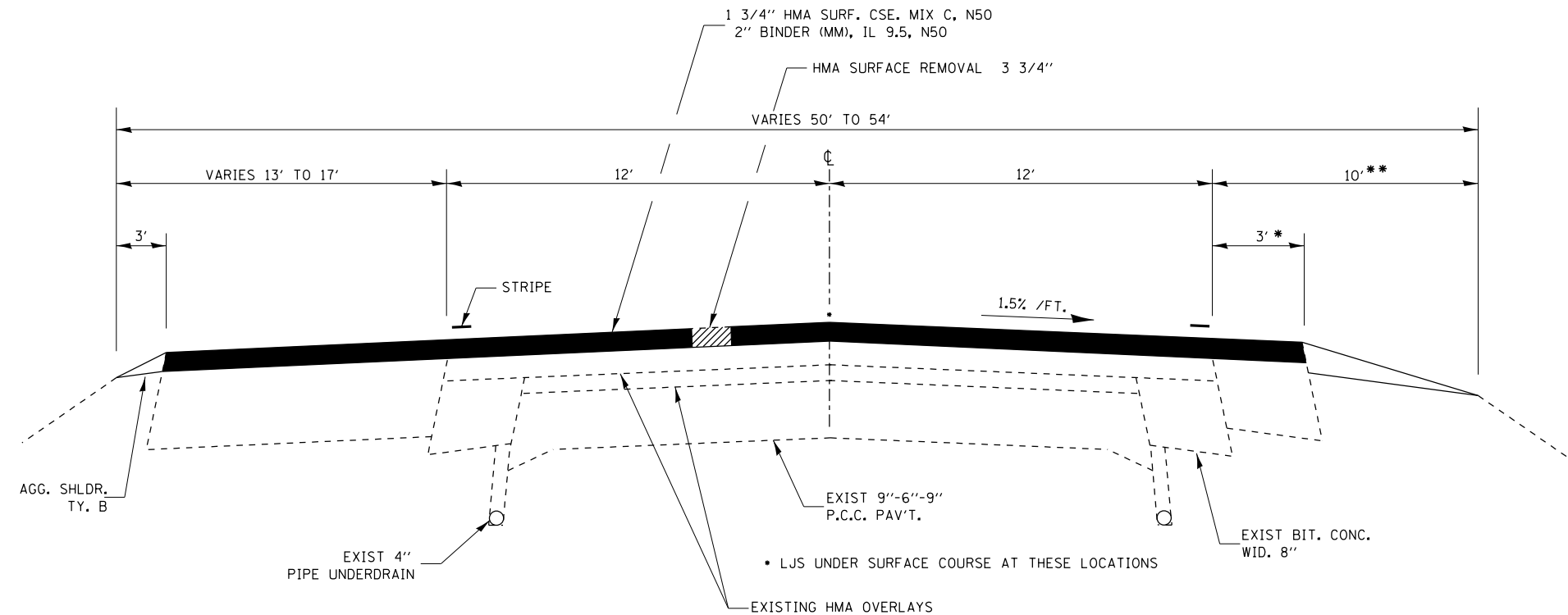
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CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	





STA. EQ.	331+05.9 BK = 91+00 AH
STA. EQ.	133+07.59 BK = 383+51.33 AH
STA. EQ.	602+90.5 BK = 69+00 AH
STA. EQ.	30+00 BK = 641+90.5 AH
STA. EQ.	1476+15.0 BK = 1480+00.3 AH OLD RTE. 66
STR. OM.	586+18.75 TO 587+05.75 S.N. 053-0148
OMISSION	69+00 TO 30+00

**PROPOSED TYPICAL SECTION NO. 3**  
STA. 558+87 - STA. 582+00



**PROPOSED TYPICAL SECTION 4**  
STA. 582+00 - STA. 586+18.75  
STA. 587+05.8 - STA. 602+90.5

\* EXISTING SHOULDER SLOPE TO BE ADJUSTED TO MATCH MAINLINE SLOPE DURING THE MILLING PROCESS.

3' SHOULDER TO BE PAVED AT THE SAME TIME AS MAINLINE

\*\* 10' HMA SHOULDER AND 3' AGG. SHOULDER FROM STA. 584+60 - STA. 586+18.75 AND FROM STA. 587+05.75 - STA. 589+00

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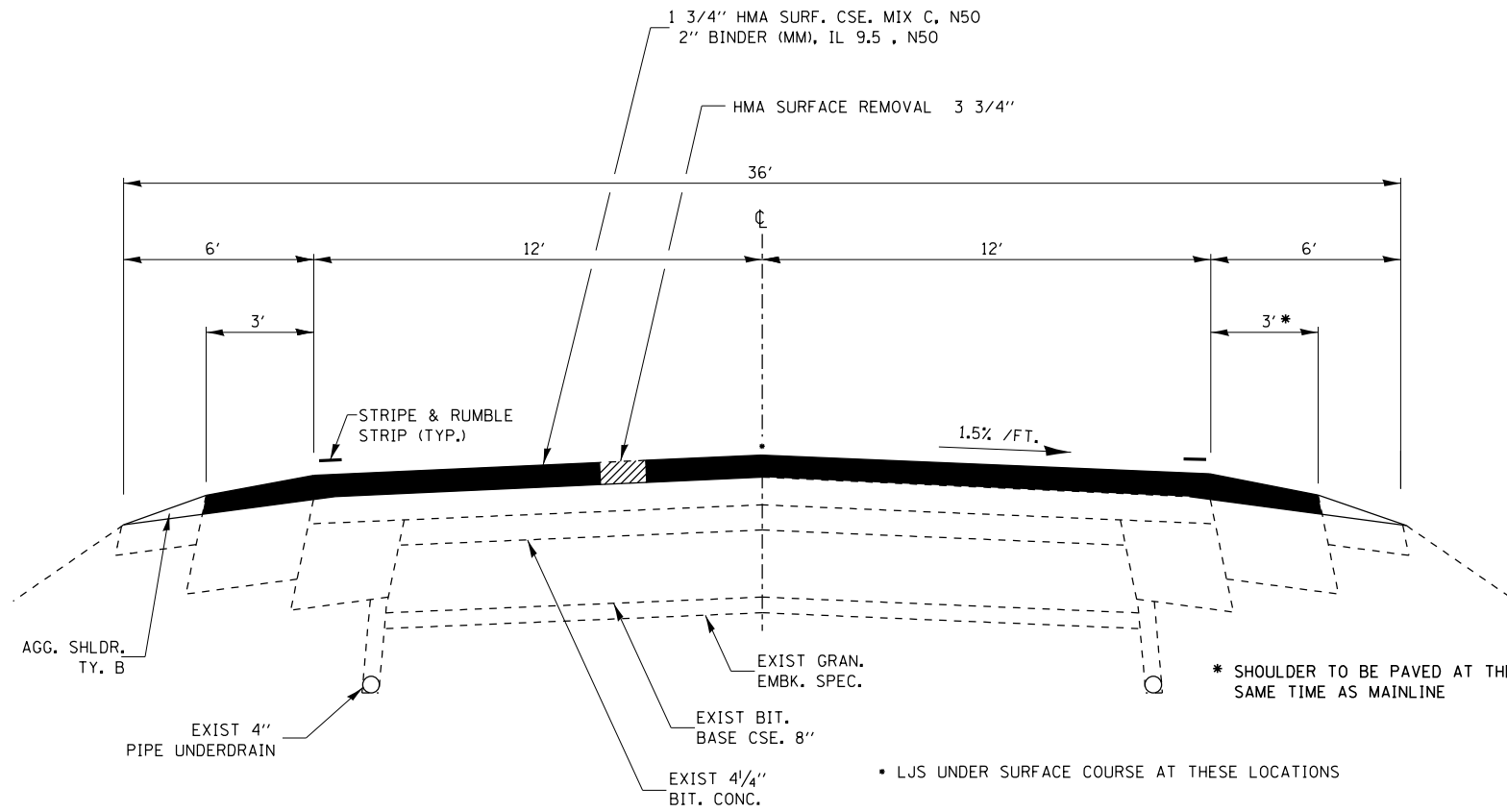
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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
IL 23

SCALE: 50 SHEET NO. 2 OF 5 SHEETS STA. TO STA.

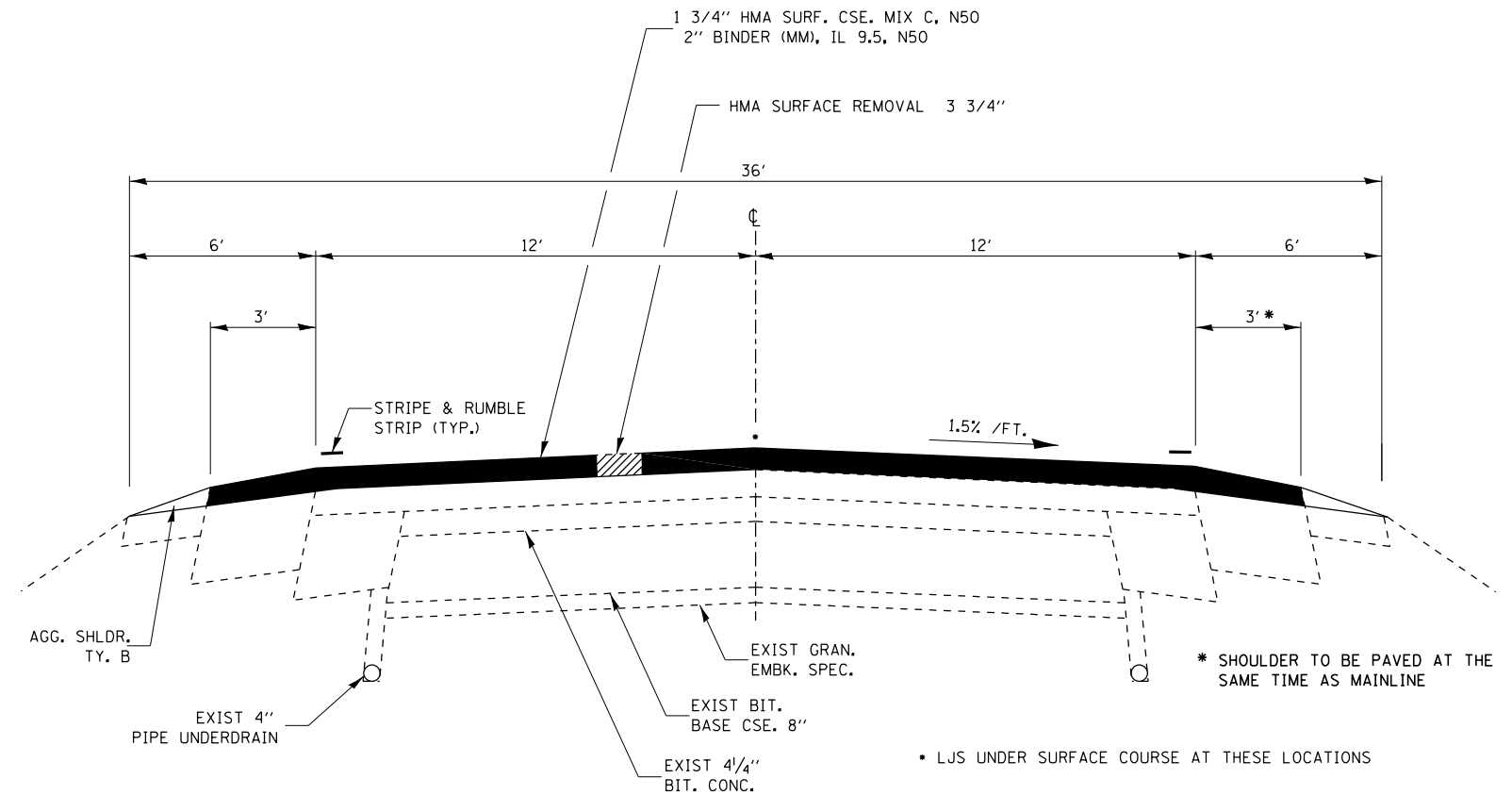
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	9
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	





**PROPOSED TYPICAL SECTION NO.6**

STA. 451+00 - STA. 461+43.3



**PROPOSED TYPICAL SECTION NO.7**

STA. 461+43.3 - STA. 463+20.49

STA. EO.	331+05.9 BK = 91+00 AH
STA. EO.	133+07.59 BK = 383+51.33 AH
STA. EO.	602+90.5 BK = 69+00 AH
STA. EO.	30+00 BK = 641+90.5 AH
STA. EO.	1476+15.0 BK = 1480+00.3 AH OLD RTE. 66
STR. OM.	586+18.75 TO 587+05.75 S.N. 053-0148
OMISSION	69+00 TO 30+00

SHOULDER RUMBLE STRIPES SHOULD BE OMITTED AT:

- \* 500 FT IN ADVANCE OF ANY POSTED SPEED ZONE OF 45 MPH OR LOWER
- \* 25 FT PRIOR TO THE BEGINNING OF THE TAPER FOR A RIGHT/LEFT TURN LANE, AND ACCELERATION/DECELERATION LANES

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366B80\Drawings\CABsheets\0366B80-sht-typical.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/24/2020	DATE -	REVISED -

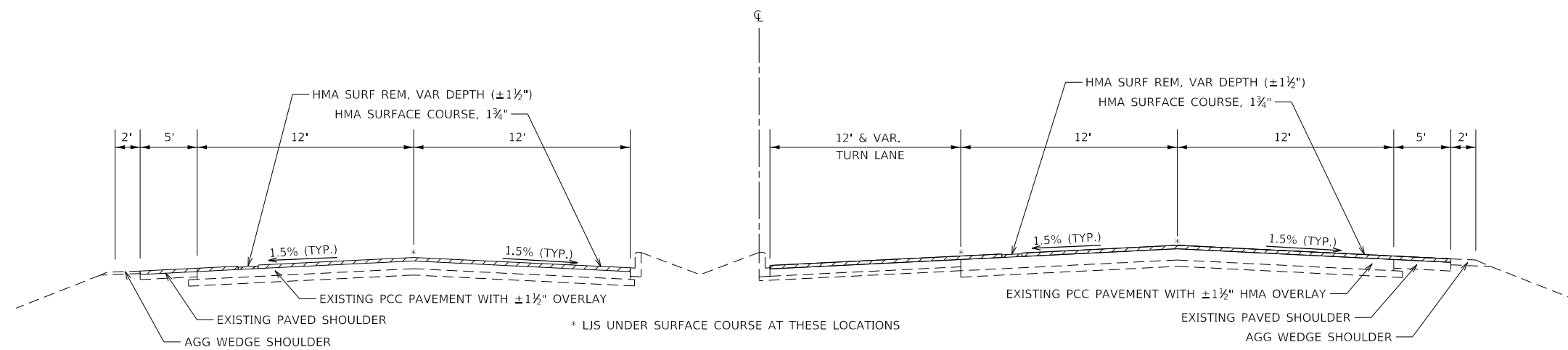
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
IL 170

SCALE: 50 SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	11
			CONTRACT NO. 66B80	
ILLINOIS FED. AID PROJECT				

STA. EQ.	331+05.9 BK = 91+00 AH
STA. EQ.	133+07.59 BK = 383+51.33 AH
STA. EQ.	602+90.5 BK = 69+00 AH
STA. EQ.	30+00 BK = 641+90.5 AH
STA. EQ.	1476+15.0 BK = 1480+00.3 AH OLD RTE. 66
STR. OM.	586+18.75 TO 587+05.75 S.N. 053-0148
OMISSION	69+00 TO 30+00



**TYPICAL SECTION NO.8**  
STA. 1457+27 TO STA. 1483+40

MODEL: Default  
FILE: h:\mhc\p\suplanroom\dat\illinois.gov\PWIDOT\Documents\DOT\_Offices\District\_3\Projects\ID366B80\CADD\Drawings\ID366B80-066-shc-typical.dgn

USER NAME = carpenterj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTION OLD RT. 66</b>		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103,104,105)RS-4	LIVINGSTON	35	12
CONTRACT NO. 66B80				
ILLINOIS FED. AID PROJECT				

MAINLINE RESURFACING SCHEDULE																
LOCATION		DESCRIPTION	LENGTH	WIDTH	AREA	HMA SURF	HMA	HMA SURF	HMA SURF	HMA SURF	LONG	TEMP	BIT MAT'L (TACK CT)		MIX FOR	HMA
STATION	STATION					CSE, MIX C, N 50 - 1.75"	BINDER (MM)-2.0"	REM VAR DEP	REM 3 3/4"	REM 2 1/4"	JOINT SEAL	RAMP	MILLED	BINDER	& FLWYS	(HM)
			FOOT	FOOT	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	POUND		TON	TON
RURAL QUANTITIES																
136+60.5	138+60.5	PROJECT LIMITS TO END OF VAR. DEPTH MILLING	200	30	666.7	65.3	74.7	666.7	-	-	200	41.7	300.0	150.0	0.2	0.3
138+60.5	331+05.9	END OF VAR. DEPTH MILLING TO STATION EQUATION	19245.4	30.0	64151.3	6286.8	7156.9	-	64151.3	-	19245.4	-	28868.1	14434.1	19.2	32.1
STATION EQUATION - STA 331+05.9 BK = STA 91+00 AH																
91+00.0	96+56.5	STATION EQUATION TO IL 170 CURVE PC	556.5	30.0	1855.0	181.8	207.8	-	1855.0	-	556.5	-	834.8	417.4	0.6	0.9
96+56.5	115+75.1	IL 170 CURVE PC TO IL 170 RADIUS RETURN	1918.6	30.0	6395.3	626.7	716.3	-	6395.3	-	1918.6	-	2877.9	1439.0	1.9	3.2
115+75.1 / 119+17.7	461+43.3 IL 170	RT 23 and IL 170 INTERSECTION RADIUS RETURNS	402.6	Variable	2600.5	254.8	291.3	-	-	2600.5	402.6	-	1170.2	585.1	0.8	1.3
451+00.0	461+43.3	SN 053-0165 TO IL 170 RADIUS RETURN	1043.3	30.0	3477.7	340.8	378.3	-	3477.7	-	1043.3	41.7	1565.0	782.5	1.0	1.7
119+17.7	123+95.7	IL 170 RADIUS RETURN TO RT 23 TURN LANE	478.0	30.0 to 42.0	1912.0	187.4	214.1	-	1912.0	-	478	-	860.4	430.2	0.6	1.0
123+95.7	133+07.6	RT 23 TURN LANE TO STATION EQUATION	911.9	30.0	3039.7	297.9	340.4	-	3039.7	-	911.9	-	1367.9	683.9	0.9	1.5
STATION EQUATION - STA 133+07.59 BK = STA 383+51.33 AH																
383+51.3	520+00.0	STATION EQUATION TO URBAN LIMITS AT E 2200N RD	13648.7	30.0	45495.7	4458.6	5095.5	-	45495.7	-	13648.7	-	20473.1	10236.5	13.6	22.7
RURAL SUBTOTAL						12700.2	14475.3	666.7	126326.7	2600.5	38405.0	83.4	58317.2	29158.6	38.9	64.8
URBAN QUANTITIES																
520+00.0	558+87.0	URBAN LIMITS TO WIDENING AT LIVINGSTON CO LANDFILL	3887.0	30.0	12956.7	1269.8	1451.1	-	12956.7	-	3887	-	5830.5	2915.3	3.9	6.5
558+87.0	586+18.8	WIDENING AT LIV. CTY. LDFL. TO SN 053-0148	2731.8	24.0 to 36.0	10032.1	983.1	1123.6	-	10032.1	-	2731.8	41.7	4514.4	2257.2	3.0	5.0
PAVING OMISSION SN 053-0148																
587+05.8	600+90.5	SN 053-0148 TO BEGINNING OF VARIABLE DEPTH MILLING	1384.7	30.0	4615.7	452.3	517.0	-	4615.7	-	1384.7	41.7	2077.1	1038.5	1.4	2.3
600+90.5	602+90.5	NORTHSIDE I-55 OVERHEAD VARIABLE DEPTH MILLING	200.0	30.0	666.7	65.3	74.7	666.7	-	-	200	41.7	300.0	150.0	0.2	0.3
URBAN SUBTOTAL						2770.6	3166.4	666.7	27604.4	0.0	8203.5	125.1	12722.0	6361.0	8.5	14.1
STATION EQUATION - STA 602+90.5 BK = STA 69+00 AH																
PAVING OMISSION AT I-55 OVERHEAD (CONCRETE SECTION)																
STATION EQUATION - STA 30+00 BK = STA 641+90.5 AH																
NHPP URBAN QUANTITIES																
641+90.5	643+90.5	SOUTHSIDE I-55 OVERHEAD VARIABLE DEPTH MILLING	200	30.0	666.7	65.3	74.7	666.7	-	-	-	41.7	300.0	150.0	0.2	0.3
643+90.5	716+63.5	STATION EQUATION TO E. 1830 N. RD. (RURAL FUND CODE LIMIT)	7273	30.0	24243.3	2375.8	2715.3	-	24243.3	-	-	-	10909.5	5454.8	7.3	12.1
716+63.5	727+21.7	E. 1830 N. RD. (URBAN FUND CODE LIMIT) TO CURB AND GUTTER	1058.2	30.0 to 31.0	3586.1	351.4	401.6	-	3586.1	-	1058.2	-	1613.8	806.9	1.1	1.8
727+21.7	730+77.1	CURB AND GUTTER TO 4H PARK RD. RADIUS RETURN	355.4	31.0 to 47.0	1540.1	150.9	172.5	-	-	1540.1	355.4	-	693.0	346.5	0.5	0.8
730+77.1	732+54.0	4H PARK RD. RADIUS RETURN TO SN 053-0174	177	Variable	1657.1	162.4	185.6	-	-	1657.1	177	108.3	745.7	372.8	0.5	0.8
PAVING OMISSION AT SN 053-0174 (CONCRETE SECTION)																
733+99.0	736+58.0	SN 053-0174 TO PAVING LIMITS N LEG IL 23	259	40.0 to 50.0	1295.0	126.9	-	1295.0	-	-	259	-	582.8	291.4	0.4	0.6
1457+27.0	1468+10.0	PAVING LIMITS OR 66 TO START OF LT TURN LANE	1083	64.0	7701.3	754.7	-	7701.3	-	-	1083	-	3465.6	1732.8	2.3	3.9
1468+10.0	1470+60.0	LT TURN LANE TAPER	250	64.0 to 74.0	1916.7	187.8	-	1916.7	-	-	250	-	862.5	431.3	0.6	1.0
1470+60.0	1472+91.0	END OF LT TURN LANE TAPER TO CTR INT OF HOWARD ST.	231	74.0 to 80.0	1976.3	193.7	-	1976.3	-	-	231	-	889.4	444.7	0.6	1.0
1472+91.0	1475+03.0	CTR INT OF HOWARD ST. TO START OF LT TURN LANE TAPER	212	80.0	1884.4	184.7	-	1884.4	-	-	212	-	848.0	424.0	0.6	0.9
1475+03.0	1476+15.0	START LT TURN TAPER TO STA. EQ.	112	80 to 70	933.3	91.5	-	933.3	-	-	112	-	420.0	210.0	0.3	0.5
STATION EQUATION - STA 1476+15.04 BK = STA 1480+00.33 AH																
1480+00.3	1483+40.0	STA. EQ. TO PROJECT LIMITS	339.67	70.0 to 60.0	2453.2	240.4	-	2453.2	-	-	339.67	-	1103.9	552.0	0.7	1.2
NHPP URBAN SUBTOTAL						4885.7	3549.6	18827.0	27829.5	3197.2	4077.3	150.0	22434.1	11217.1	15.0	24.9
TOTALS						20357.0	21192.0	20161.0	181761.0	5798.0	50686.0	359.0	93474.0	46737.0	63.0	104.0

HMA SHOULDERS SCHEDULE								
LOCATION		SIDE	LENGTH	WIDTH	AREA	HMA SURF	HMA	BIT MATL
STATION	STATION					REM 2"	SHOULDERS	TACK COAT
			FOOT	FOOT	SQ YD	SQ YD	TON	LB
URBAN QUANTITIES								
558+87.0	586+18.8	LT	2731.8	10.0	3035.3	3035.3	340.0	1365.9
558+87.0	581+80.0	RT	2293.0	10.0	2547.8	2547.8	285.4	1146.5
584+50.0	586+18.8	RT	168.8	7.0	131.3	131.3	14.7	59.1
587+05.8	589+00.0	RT	194.3	7.0	151.1	151.1	16.9	68.0
587+05.8	600+90.5	LT	1384.7	10.0 to 14.0	1846.3	1846.3	206.8	830.8
600+90.5	602+90.5	LT	200.0	14.0	311.1	311.1	34.8	140.0
URBAN QUANTITIES SUBTOTALS						8022.8	898.5	3610.2
TOTAL QUANTITIES						8023	899	3610

CLASS B PATCHING SCHEDULE 9"									
LOCATION		SB LANE	CLASS B PATCHING				SAW CUTS	WELDED WIRE REINF.	TIE BARS
			IL 23			DOWEL BARS			
		LENGTH (FT)	TYPE II	TYPE III	TYPE IV	EACH	FOOT	SQ YD	EACH
STATION				SQ YD	SQ YD	SQ YD			
URBAN NHPP									
715+67		10		16		25	64	16	
TOTALS				16		25	64	16	

**SIDEROAD, MAILBOX TURNOUT, AND ENTRANCE SCHEDULE**

STATION	SIDE	DESCRIPTION	AREA	INC HMA SURF	BIT MAT'L (TACK CT)	TEMP RAMP	SURF REM, VAR DEP	FURNISHED EXCAVATION	SEEDING CLASS 2A	NIT FERT NUT	PHOS FERT NUT	POT FERT NUT	EROSION CONTROL BLANKET
			SQ YD	TON	POUND	SQ YD	SQ YD	CU YD	ACRE	LB	LB	LB	SQ YD
<b>RURAL</b>													
136+84	LT	9TH ST. CORNELL	105.3	15.5	47.4	6.7	105.3	0.3	0.01	0.9	0.9	0.9	48.4
149+92	LT	1100 E. RD	179.4	26.4	80.8	13.3	179.4	0.6	0.01	0.9	0.9	0.9	48.4
149+92	RT	1100 E. RD	181.8	26.8	81.9	12.2	181.8	0.6	0.01	0.9	0.9	0.9	48.4
163+16	LT	PE	28.3	4.2	12.8	-	-	-	-	-	-	-	-
163+16	LT	MBTO	70.0	10.3	31.5	-	70.0	-	-	-	-	-	-
189+10	LT	MBTO	40.0	5.9	18.0	-	-	-	-	-	-	-	-
203+00	LT	1200 E. RD	163.3	24.1	73.5	11.1	163.3	0.6	0.01	0.9	0.9	0.9	48.4
203+00	RT	1200 E. RD	145.6	21.5	65.6	12.8	145.6	0.6	0.01	0.9	0.9	0.9	48.4
232+60	LT	PE	26.1	3.9	11.8	-	-	-	-	-	-	-	-
254+15	LT	1300 E. RD	156.7	23.1	70.6	12.8	156.7	0.6	0.01	0.9	0.9	0.9	48.4
254+15	RT	1300 E. RD	145.6	21.5	65.6	11.1	145.6	0.6	0.01	0.9	0.9	0.9	48.4
269+38	LT	PE	48.0	7.1	21.6	-	48.0	-	-	-	-	-	-
269+58	LT	MBTO	43.6	6.5	19.7	-	43.6	-	-	-	-	-	-
288+38	LT	PE	45.2	6.7	20.4	-	45.2	-	-	-	-	-	-
303+06	RT	CE	76.5	11.3	34.5	18.3	76.5	-	-	-	-	-	-
306+97	LT	1400 E. RD	147.5	21.7	66.4	13.6	147.5	0.6	0.01	0.9	0.9	0.9	48.4
306+97	RT	1400 E. RD	169.4	25.0	76.3	12.2	169.4	0.6	0.01	0.9	0.9	0.9	48.4
313+58	RT	PE & MBTO	109.4	16.1	49.3	-	109.4	-	-	-	-	-	-
320+23	RT	PE & MBTO	94.4	13.9	42.5	-	94.4	-	-	-	-	-	-
328+25	LT	PE	31.2	4.6	14.1	-	31.2	-	-	-	-	-	-
329+67	LT	PE & MBTO	86.1	12.7	38.8	-	86.1	-	-	-	-	-	-
389+17	RT	PE (DOUBLE DRIVE) & MBTO	178.9	26.3	80.6	-	178.9	-	-	-	-	-	-
391+63	LT	PE	72.2	10.7	32.5	-	72.2	-	-	-	-	-	-
391+63	RT	MBTO	71.0	10.5	32.0	-	71.0	-	-	-	-	-	-
413+28	RT	CE & MBTO	176.4	26.0	79.4	-	176.4	-	-	-	-	-	-
413+28	LT	2400 N. RD	152.6	22.5	68.7	12.2	152.6	0.6	0.01	0.9	0.9	0.9	48.4
425+10	LT	PE & MBTO	41.0	6.1	18.5	-	41.0	-	-	-	-	-	-
425+50	RT	PE	58.9	8.7	26.6	-	58.9	-	-	-	-	-	-
466+46	LT	2300 N. RD	155.6	22.9	70.1	13.9	155.6	0.6	0.01	0.9	0.9	0.9	48.4
466+46	RT	2300 N. RD	222.8	32.8	100.3	11.7	222.8	0.6	0.01	0.9	0.9	0.9	48.4
481+11	LT	PE	37.8	5.6	17.1	-	37.8	-	-	-	-	-	-
493+63	RT	CE	78.8	11.6	35.5	-	78.8	-	-	-	-	-	-
499+68	LT	PE	39.7	5.9	17.9	-	39.7	-	-	-	-	-	-
505+00	RT	PE	51.1	7.6	23.0	-	51.1	-	-	-	-	-	-
506+27	RT	PE	29.2	4.3	13.2	-	29.2	-	-	-	-	-	-
519+66	LT	2200 N. RD	183.9	27.1	82.8	12.8	183.9	0.6	0.01	0.9	0.9	0.9	48.4
519+66	RT	2200 N. RD	175.3	25.8	78.9	11.7	175.3	0.6	0.01	0.9	0.9	0.9	48.4
<b>RURAL SUBTOTALS</b>				<b>563.2</b>	<b>1720.2</b>	<b>186.4</b>	<b>3724.2</b>	<b>8.1</b>	<b>0.14</b>	<b>12.6</b>	<b>12.6</b>	<b>12.6</b>	<b>677.6</b>
<b>URBAN</b>													
523+55	RT	CE	92.2	13.6	41.5	-	92.2	-	-	-	-	-	-
526+97	RT	CE	70.6	10.4	31.8	-	70.6	-	-	-	-	-	-
546+07	RT	CE	46.7	6.9	21.1	-	46.7	-	-	-	-	-	-
562+96	RT	CE	75.6	11.2	34.1	88.3	75.6	-	-	-	-	-	-
570+62	LT	PE	37.1	5.5	16.7	-	37.1	-	-	-	-	-	-
572+74.5	LT	2100 N. RD	278.4	41.0	125.3	18.9	278.4	0.6	0.01	0.9	0.9	0.9	48.4
572+74.5	RT	2100 N. RD	302.8	44.6	136.3	32.8	302.8	0.6	0.01	0.9	0.9	0.9	48.4
592+04	RT	PE	66.6	9.8	30.0	-	66.6	-	-	-	-	-	-
<b>URBAN SUBTOTALS</b>				<b>143.0</b>	<b>436.8</b>	<b>140.0</b>	<b>970.0</b>	<b>1.2</b>	<b>0.02</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>96.8</b>
<b>NHPP URBAN</b>													
649+84	LT	PE & MBTO	84.4	12.5	38.0	-	84.4	-	-	-	-	-	-
655+60	RT	CE	118.1	17.4	53.2	-	118.1	-	-	-	-	-	-
655+60	LT	PE	45.6	6.8	20.6	-	45.6	-	-	-	-	-	-
663+53	LT	PE	113.3	16.7	51.0	-	113.3	-	-	-	-	-	-
664+65	RT	CE	101.3	14.9	45.6	-	101.3	-	-	-	-	-	-
670+00	RT	CE	66.4	9.8	29.9	-	66.4	-	-	-	-	-	-
685+80 - 686+49	RT	PE (DOUBLE DRIVE) & MBTO	153.0	22.5	68.9	-	153.0	-	-	-	-	-	-
690+09	RT	CE	34.7	5.2	15.7	-	34.7	-	-	-	-	-	-
690+43	LT	PE	44.4	6.6	20.0	-	-	-	-	-	-	-	-
696+63	RT	PE	44.4	6.6	20.0	-	-	-	-	-	-	-	-
715+13	RT	1830 N. RD	159.3	23.5	71.7	22.5	159.3	0.6	0.01	0.9	0.9	0.9	48.4
716+63.5	LT	1830 N. RD	261.7	38.5	117.8	8.4	130.9	0.3	0.01	0.9	0.9	0.9	48.4
453+32	LT	2500 N. RD (IL 170)	153.3	22.6	69.0	12.8	153.3	0.6	0.01	0.9	0.9	0.9	48.4
716+63.5	LT	1830 N. Rd.	261.7	38.5	58.9	8.4	130.9	0.3	0.01	0.9	0.9	0.9	48.4
725+58	LT	CE	65.4	9.7	14.8	-	65.4	-	-	-	-	-	-
728+22	LT	CE	195.6	28.8	44.1	-	195.6	-	-	-	-	-	-
730+77.1	RT	4H PARK RD	745.6	109.7	167.8	30.0	745.6	-	-	-	-	-	-
1472+91	LT	HOWARD ST.	894.7	131.6	201.4	27.2	894.7	-	-	-	-	-	-
1472+91	RT	INTERLAKE DR.	899.2	132.2	202.4	27.2	899.2	-	-	-	-	-	-
<b>NHPP URBAN SUBTOTALS</b>				<b>654.1</b>	<b>1310.6</b>	<b>136.4</b>	<b>4091.6</b>	<b>1.8</b>	<b>0.04</b>	<b>3.6</b>	<b>3.6</b>	<b>3.6</b>	<b>193.6</b>
<b>TOTALS</b>				<b>1360</b>	<b>3468</b>	<b>463</b>	<b>8786</b>	<b>11</b>	<b>0.2</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>968</b>

GUARDRAIL SCHEDULE												
LOCATION	LENGTH OF NEED	TBT TY 1 SP (TANG)	TBT TY 6	TBT TY 6A	SPBGR TY A 6' POSTS	L-SPAN GR OVER CULVERT 25'-0"	STRONG POST GR ATTACHED TO CULVERT	HMA STABILIZATION 6" AT SPBGR	EARTH EX *	LINEAR DELINEATOR PANELS 4"	GR REFL TYPE A	GR REM
	FOOT	EACH	EACH	EACH	FOOT	FOOT	FOOT	SQ YD	CU YD	EACH	EACH	FOOT
<b>RURAL</b>												
<b>SN 053 - 2510</b>												
NE QUAD	162.5	1			125	21.875		49.0	8.2	1.0	2.0	162.5
NW QUAD	100	1			62.5	21.875		28.1	4.7	1.0	2.0	100
SE QUAD	112.5	1			75	21.875		32.3	5.4	1.0	2.0	112.5
SW QUAD	162.5	1			125	21.875		49.0	8.2	1.0	2.0	162.5
<b>RURAL SUBTOTALS</b>	<b>537.5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>387.5</b>	<b>87.5</b>	<b>0</b>	<b>158</b>	<b>26</b>	<b>4</b>	<b>8</b>	<b>537.5</b>
<b>URBAN</b>												
<b>SN 053 - 2014</b>												
NE QUAD	187.5	1			137.5		12.5	50.0	8.3	1.0	2.0	187.5
NW QUAD	175	1			125		12.5	45.8	7.6	1.0	2.0	175
SE QUAD	175	1			125		12.5	45.8	7.6	1.0	2.0	175
SW QUAD	137.5	1			87.5		12.5	33.3	5.6	1.0	2.0	137.5
<b>SUBTOTALS</b>	<b>675</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>475</b>	<b>0</b>	<b>50</b>	<b>175</b>	<b>29</b>	<b>4</b>	<b>8</b>	<b>675</b>
<b>SN 053 - 0148</b>												
NE QUAD	175	1		1	100			33.3	5.6	1.0	3.0	175
NW QUAD	125	1		1	50			16.7	2.8	1.0	2.0	125
SE QUAD	125	1		1	50			16.7	2.8	1.0	2.0	125
SW QUAD	175	1		1	100			33.3	5.6	1.0	2.0	175
<b>SUBTOTALS</b>	<b>600</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>17</b>	<b>4</b>	<b>9</b>	<b>600</b>
<b>URBAN SUBTOTALS</b>	<b>1275</b>	<b>8</b>	<b>0</b>	<b>4</b>	<b>775</b>	<b>0</b>	<b>50</b>	<b>275</b>	<b>46</b>	<b>8</b>	<b>17</b>	<b>1275</b>
<b>NHPP URBAN</b>												
<b>SN 053 - 0174</b>												
NE QUAD	162.5	1	1		87.5					1.0	2.0	162.5
NW QUAD	150	1	1		75					1.0	2.0	150
SE QUAD	200	1	1		125					1.0	2.0	200
SW QUAD	150	1	1		75					1.0	2.0	150
<b>NHPP URBAN SUBTOTALS</b>	<b>662.5</b>	<b>4</b>	<b>4</b>		<b>362.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>662.5</b>
<b>GRAND TOTAL</b>		<b>16.0</b>	<b>4.0</b>	<b>4.0</b>	<b>1525.0</b>	<b>87.5</b>	<b>50.0</b>	<b>433.3</b>	<b>72.2</b>	<b>16.0</b>	<b>33.0</b>	<b>2475.0</b>

\*EARTH EX FROM GUARDRAIL SHOULDER STABILIZATION TO BE USED AS FURNISHED EX AROUND SIDEROAD RADII

DRAINAGE SCHEDULE																
LOCATION	SIDE	LENGTH	WIDTH	DEPTH	GRADING AND SHAPING DITCHES	EARTH EX	PIPE CULVERTS TO BE CLEANED 24"	PIPE CULVERTS TO BE CLEANED 36"	BOX CULVERTS TO BE CLEANED	INSERTION CULVERT LINER	SPECIAL GRATE NO. 1	SEEDING CL 2A	NITRO FERT NUT	PHOSP FERT NUT	POT FERT NUT	EROSION CONTROL BLANKET
STA. TO STA.	LT/RT	FOOT	FOOT	FOOT	FOOT	CU YD	FOOT	FOOT	FOOT	FOOT	EACH	ACRE	LB	LB	LB	SQ YD
<b>RURAL QUANTITIES</b>																
136+50	138+00	RT	150.0	6	0.67	150.0	22.3					0.021	1.860	1.860	1.860	100.00
184+80	185+80	LT	100.0	6	0.67	100.0	14.9					0.014	1.240	1.240	1.240	66.67
185+78.00		RT/LT							34.0							
297+50	302+50	RT	500.0	6	0.67	500.0	74.4					0.069	6.198	6.198	6.198	333.33
116+00	117+00	RT	100.0	6	0.67	100.0	14.9					0.014	1.240	1.240	1.240	66.67
453+53 (IL 170)		LT									1.0					
468+24.00		RT/LT							34.0							
468+36.00		RT/LT														
<b>RURAL SUBTOTALS</b>					<b>850</b>	<b>127</b>	<b>0</b>	<b>34</b>	<b>68</b>		<b>1</b>	<b>0.12</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>566.7</b>
<b>NHPP URBAN QUANTITIES</b>																
* 671+00		RT/LT					34.0									
708+00.00	709+00.00	RT	100.0	6	0.67	100.0	14.9					0.014	1.240	1.240	1.240	66.67
* 1469+50		LT								55.0						
<b>NHPP URBAN SUBTOTALS</b>					<b>100</b>	<b>15</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0.01</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>66.7</b>
<b>TOTALS</b>					<b>950</b>	<b>141</b>	<b>34</b>	<b>34</b>	<b>68</b>	<b>55</b>	<b>1</b>	<b>0.1</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>633</b>

\* ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE ENVIRONMENTAL DOCUMENTATION REQUIREMENTS AT THESE LOCATIONS.

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\IDOT\Documents\IDOT Offices\District 3\Projects\0366880\Drawings\CAD\sheets\0366880-sht-schedule	CHECKED -	REVISED -	68			(103,104,105)RS-4	LIVINGSTON	35	15		
PLOT SCALE = 100.0000' / in.	DATE -	REVISED -	CONTRACT NO. 66B80								
PLOT DATE = 2/4/2020			ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET 3 OF 5 SHEETS	STA.	TO STA.		

PAVEMENT MARKING SCHEDULE																	
LOCATION STATION      STATION		DESCRIPTION	LENGTH	PAINT PAVEMENT MARKING 2 APPLICATIONS			THERMOPLASTIC PVMT MARKING								RAISED REFL PVMT MARKER REMOVAL EACH	RAISED REFL PVMT MARKER EACH	
				WHITE 4"	YELLOW 4"	YELLOW 6"	WHITE 4"	YELLOW 4"	WHITE 6"	YELLOW 6"	WHITE 8"	YELLOW 12"	WHITE 12"	WHITE 24"			LETTERS & SYM SQ FT
				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			
IL RT. 23 RURAL																	
136+64	331+05.90 BK	-	19136.5	76546.0	3808.0	9568.3	-	-	-	-	-	-	-	-	244.0	244.0	
91+00 AH	116+05	-	2505.0	10020.0	9366.0	1252.5	-	-	-	-	-	-	-	-	32.0	32.0	
116+05	133+07.59 BK	-	1702.6	3406.0	6811.0	-	-	-	-	532.0	-	-	-	46.8	43.0	43.0	
383+51.33 AH	520+00	-	13648.7	54594.7	7424.0	6824.3	-	-	-	-	-	-	-	-	-	-	
IL 170																	
116+05 LT	451+00 RT	RADIUS	1257.0	2514.0	-	-	-	-	-	-	-	-	-	-	-	-	
451+00 LT	384+91 LT	RADIUS	2827.0	5654.0	-	-	-	-	-	-	-	-	-	-	15.0	15.0	
451+00	463+30	-	2269.0	-	4536.0	-	-	-	-	-	-	-	-	-	-	-	
NORTH ISLAND		-	-	-	-	-	-	-	-	132.0	-	53.0	31.0	-	-	-	
SOUTH ISLAND		-	-	-	-	-	-	-	-	251.0	-	105.0	-	-	-	-	
2100 N. RD.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST BOUND LANE		STOP BAR	-	-	-	-	-	-	-	-	-	-	23.0	-	-	-	
EAST BOUND LANE		STOP BAR	-	-	-	-	-	-	-	-	-	-	29.0	-	-	-	
RURAL TOTAL				152734.7	31945.0	17645.1	0.0	0.0		0.0	915.0	0.0	158.0	83.0	46.8	334.0	334.0
IL RT. 23 URBAN																	
520+00	558+87	-	3887.0	15548.0	7676.0	1943.5	-	-	-	-	-	-	-	-	-	-	
558+87	586+19	-	2732.0	-	-	-	5215.0	8082.0	-	105.0	170.0	127.0	-	-	140.4	132.0	132.0
586+19	587+05.75	BRIDGE OMISSION	-	-	15548.0	-	-	-	-	-	-	-	-	-	-	-	
587+05.75	602+90.5 BK	-	1584.8	-	-	-	3170.0	90.0	-	397.0	-	-	-	-	20.0	20.0	
69+00 AH	30+00 BK	CONC. OMISSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
URBAN TOTAL				15548.0	23224.0	1943.5	8385.0	8172.0		502.0	170.0	127.0	0.0	0.0	140.4	152.0	152.0
IL RT. 23 NHPP URBAN																	
641+90.5 AH	716+63.5	-	7473.0	14758.0	-	3736.5	-	-	-	-	-	-	-	-	143.0	143.0	
716+63.5	732+54	-	2275.0	4550.0	-	1137.5	-	2060.0	-	-	312.0	62.0	-	-	78.0	61.0	61.0
4H PARK RD. NHPP URBAN																	
57+93	60+00	-	-	-	-	-	-	322.0	-	-	361.0	-	75.0	34.0	31.2	11.0	11.0
OLD RTE 66 NHPP URBAN																	
1457+27	1472+91	-	1564.0	-	-	-	3128.0	2188.0	391.0	-	445.0	-	126.0	96.0	89.5	-	-
1472+91	1483+40	-	1049.0	-	-	-	2098.0	1678.0	262.3	-	702.0	-	34.0	100.0	93.6	-	-
NHPP URBAN TOTAL				19308.0	0.0	4874.0	5226.0	6248.0	653.3	0.0	1820.0	62.0	235.0	230.0	292.3	215.0	215.0
TOTAL QUANTITIES				187591	55169	24463	13611	14420	653	502	2905	189	393	313	480	701	701

NO PASSING ZONE		
START	END	RT/LT
305+83	317+94	RT
320+20	326+93	LT
332+70	441+20	RT
384+91	387+24	LT
470+39	479+10	RT
481+31	489+37	LT
553+28	558+38	RT
501+98	586+19	LT
587+06	587+36	LT
601+37	602+91	RT
643+31	641+91	LT

\* QUANTITY ADDED TO PAVEMENT MARKING SCHEDULE

DELINEATORS SCHEDULE				
LOCATION	STATION	SIDE	REMOVAL	REPLACEMENT
IL 170	458+00 - 463+00	LT	5	5
IL 170	458+00 - 463+01	RT	5	5
IL 23	91+00 - 133+07.59	LT	28	28
IL 23	91+00 - 133+07.60	RT	28	28
RURAL QUANTITIES SUBTOTAL			66	66
TOTALS			66	66

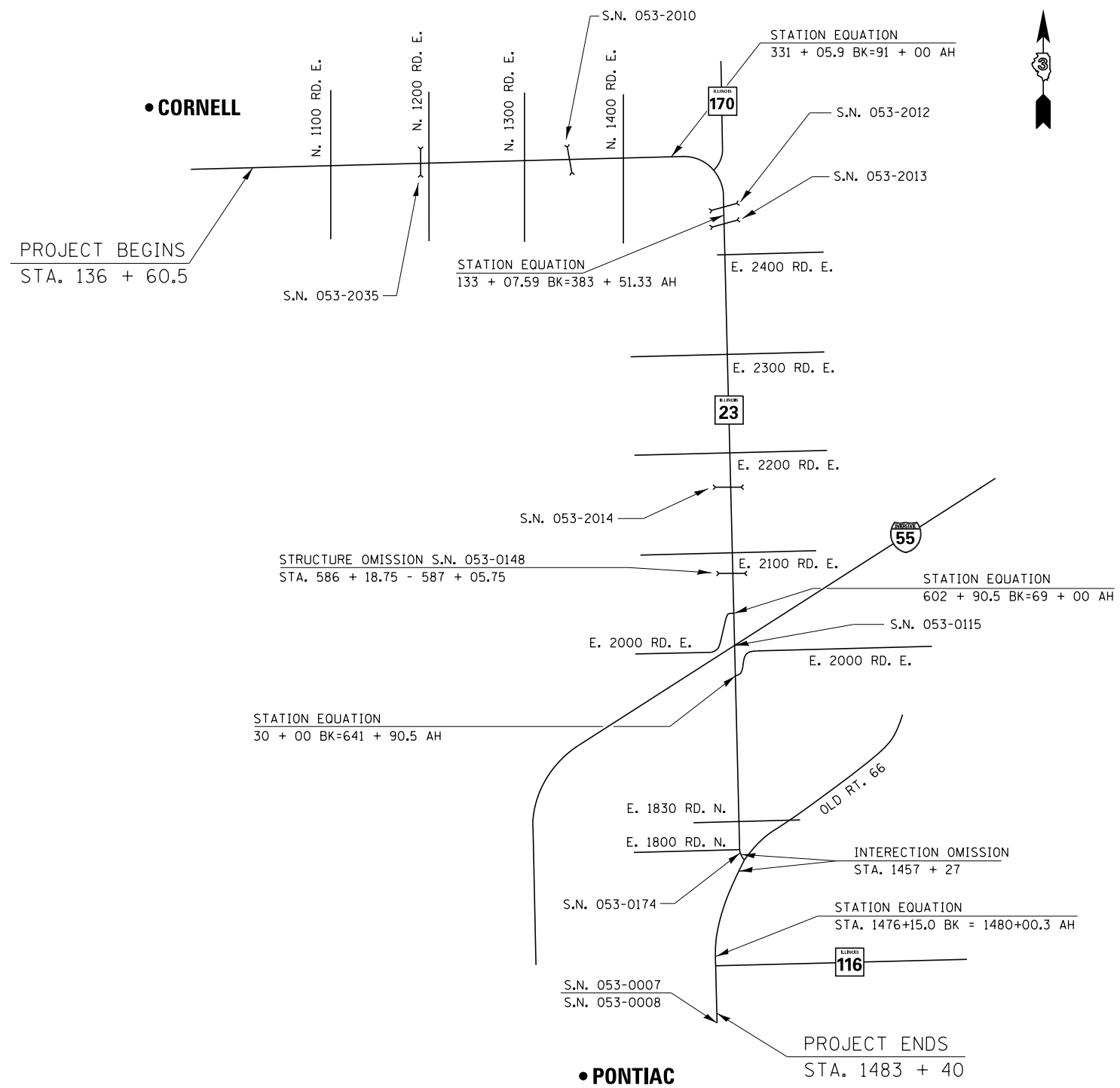
CURB REFLECTORS	
LOCATION	REPLACEMENT
IL 23 / IL 170 ISLANDS	16
RURAL QUANTITIES SUBTOTAL	16
IL 23 / 4H PARK RD ISLAND	8
NHPP URBAN QUANTITIES SUBTOTAL	8
TOTALS	24



AGGREGATE WEDGE SHOULDERS, TY. B SCHEDULE									
LEFT SIDE					RIGHT SIDE				
STATION	STATION	LENGTH	WIDTH	TONS	STATION	STATION	LENGTH	WIDTH	TONS
RURAL QUANTITIES									
137+20.0	149+53.0	1233.0	3.0	43.9	136+60.5	149+51.5	1291.0	3.0	45.9
150+30.0	202+67.0	5237.0	3.0	186.4	150+24.6	202+68.5	5243.9	3.0	186.6
203+35.0	253+80.0	5045.0	3.0	179.6	203+35.5	253+81.0	5045.5	3.0	179.6
254+51.0	306+63.0	5212.0	3.0	185.5	254+50.0	306+63.5	5213.5	3.0	185.5
307+31.0	331+05.9	2374.9	3.0	84.5	307+32.5	331+05.9	2373.4	3.0	84.5
91+00.0	116+05.1	2505.1	3.0	89.2	91+00.0	133+51.3	4251.3	3.0	151.3
116+05.1 (RT 23)	451+00 RT (IL 170)	1256.1	3.0	44.7	383+51.3	466+10.0	8258.7	3.0	293.9
451+00 LT (IL 170)	118+87.7 (RT 23)	1305.1	3.0	46.4	466+92.0	519+22.5	5230.5	3.0	186.2
118+87.7	133+07.6	1419.9	3.0	50.5					
383+51.3	412+88.5	2937.2	3.0	104.5					
413+63.5	466+08.0	5244.5	3.0	186.7					
466+87.0	519+19.5	5232.5	3.0	186.2					
RURAL QUANTITIES SUBTOTAL				1388.1	RURAL QUANTITIES SUBTOTAL				1313.6
URBAN QUANTITIES									
520+07.5	572+25.0	5217.5	3.0	185.7	520+05.5	562+00.0	4194.5	3.0	149.3
573+24.2	586+18.8	1294.6	3.0	46.1	563+75.0	571+94.5	819.5	3.0	29.2
587+05.8	602+90.5	1584.8	3.0	56.4	573+43.0	581+30.0	787	3.0	28.0
69+00.0	59+00.0	1000.0	3.0	35.6	581+30.0	584+60.0	330	3.0	11.7
58+00.0	51+47.5	652.5	3.0	23.2	584+60.0	586+18.8	158.75	3.0	5.6
48+53.1	42+00.0	653.1	3.0	23.2	587+05.8	589+00.0	194.25	3.0	6.9
41+50.0	33+50.0	800.0	3.0	28.5	589+00.0	602+90.5	1390.5	3.0	49.5
32+75.0	30+00.0	275.0	3.0	9.8	69+00.0	67+10.0	190.0	3.0	6.8
					66+45.0	58+90.0	755.0	3.0	26.9
					58+00.0	51+34.8	665.2	3.0	23.7
					48+53.0	42+00.0	653.0	3.0	23.2
					40+70.0	30+00.0	1070	3.0	38.1
URBAN QUANTITIES SUBTOTAL				408.5	URBAN QUANTITIES SUBTOTAL				398.9
NHPP URBAN QUANTITIES									
641+90.5	716+28.0	7437.5	3.0	264.7	641+90.5	714+71.0	7280.5	3.0	259.1
					715+58.0	716+63.5	105.5	3.0	3.8
717+00.0	727+55.0	1055.0	3.0	37.5	716+63.5	727+07.0	1043.5	3.0	37.1
NHPP URBAN QUANTITIES SUBTOTAL				302.3	NHPP URBAN QUANTITIES SUBTOTAL				300.0
TOTAL QUANTITIES				2099	TOTAL QUANTITIES				2012

SHORT TERM PAVEMENT MARKING SCHEDULE					
LOCATION		DESCRIPTION	LENGTH	SHORT TERM PVMT MRK	SHORT TERM PVMT MRK REM
STATION	STATION			FOOT	SQ FT
IL RT. 23					
136+64	331+05.90 BK	-	46769.9	14031.0	1559.0
91+00 AH	116+05	-	2505.0	751.5	84.0
116+05	133+07.59 BK	-	1702.6	510.8	57.0
383+51.33 AH	520+00	-	13648.7	4094.6	455.0
IL 170					
116+05 LT	451+00 RT	RADIUS	1257.0	377.1	42.0
451+00 LT	384+91 LT	RADIUS	2827.0	848.1	94.0
451+00	463+30	-	2269.0	680.7	76.0
NORTH ISLAND		-	-	-	-
SOUTH ISLAND		-	-	-	-
2100 N. RD.		-	-	-	-
WEST BOUND LANE		STOP BAR	-	-	-
EAST BOUND LANE		STOP BAR	-	-	-
RURAL SUBTOTAL				21293.7	2367.0
IL RT. 23					
520+00	558+87	-	3887.0	1166.1	130.0
558+87	586+19	-	2732.0	819.6	91.0
586+19	587+05.75	BRIDGE OMISSION	-	-	-
587+05.75	602+90.5 BK	-	1584.8	475.4	53.0
URBAN SUBTOTAL				2461.1	274.0
IL RT. 23					
69+00 AH	30+00 BK	CONC. OMISSION	-	-	-
641+90.5 AH	716+63.5	-	7473.0	2241.9	249.0
716+63.5	732+54	-	2275.0	682.5	76.0
4H PARK RD.					
57+93	60+00	-	207	62.1	7.0
OLD ROUTE 66					
1457+27	1472+91	-	1564	469.2	52.0
1472+91	1483+40	-	1049	314.7	35.0
NHPP URBAN SUBTOTAL				3770.4	419.0
TOTALS				27525	3060

ILL. RTE. 23		LOCATION: ECL OF CORNELL TO IL 116 IN PONTIAC			LIVINGSTON COUNTY	
MONUMENT NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY	
PI023100	PI STA 150+00.00	MISSING	SURVEY NAIL	NO	2	
C023100	SE CORNER SECTION 11, T29N, R4E, 3RD PM	MAG NAIL	TYPE 1	YES	1	
023098	SE CORNER SECTION 12, T29N, R4E, 3RD PM	MAG NAIL	TYPE 1	YES	1	
023097	SW CORNER SECTION 7, T29N, R5E, 3RD PM	SURVEY NAIL	TYPE 1	YES	1	
023095	SW CORNER SECTION 8, T29N, R5E, 3RD PM	SURVEY NAIL	TYPE 1	YES	1	
023093	SW CORNER SECTION 9, T29N, R5E, 3RD PM	BRASS DISK	TYPE 1	YES	1	
023089	NE CORNER SECTION 16, T29N, R5E, 3RD PM	BRASS DISK	TYPE 1	YES	1	
A023089	PI STA 413+50	BRASS DISK	SURVEY NAIL	NO	2	
023087	NW CORNER SECTION 27, T29N, R5E, 3RD PM	PK NAIL	TYPE 1	YES	1	
023085	NE CORNER SECTION 33, T29N, R5E, 3RD PM	MAG NAIL	TYPE 1	YES	1	
023084	E QTR CORNER SECTION 33, T29N, R5E, 3RD PM	MISSING	TYPE 1	YES	1	
023083	SE CORNER SECTION 33, T29N, R5E, 3RD PM	MAG NAIL	TYPE 1	YES	1	
023082	NW CORNER SECTION 3, T28N, R5E, 3RD PM	MAG NAIL	TYPE 1	YES	1	
023077	SW CORNER SECTION 15, T28N, R5E, 3RD PM	BRASS DISK	TYPE 1	YES	1	
<p>***** NOTE: RE IS TO INFORM PLATS AND PLANS WHEN SURFACE IS MILLED, *****            ***** FOR THE PURPOSE OF LOCATING PERMANENT SURVEY MARKERS OVERLAID DURING THE PREVIOUS RESURFACING. *****            ***** PERMANENT SURVEY MARKER TOTALS SUBJECT TO CHANGE *****</p> <p>COORDINATES ARE KNOWN FOR THE LISTED MONUMENTS. PRE CONSTRUCTION TIES ARE NOT REQUIRED.            UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, R.E. WILL DIRECT PLATS AND PLANS TO OBTAIN COORDINATES ON ANY FOUND MONUMENT(S) SUBJECT TO DESTRUCTION FROM THE RESURFACING WORK.            R.E. WILL DIRECT PLATS AND PLANS TO SEARCH FOR ADDITIONAL MONUMENTS IF THE JOB LIMITS ARE EXPANDED DURING CONSTRUCTION.            UPON PAVING COMPLETION, R.E. WILL DIRECT PLATS AND PLANS TO STAKE THE LOCATIONS FOR TYPE 1 MONUMENT CORING.            NOTE: FOR BIDDING PURPOSES, NO CONTRACTED LAND SURVEYING SERVICES WILL BE REQUIRED FOR SETTING THE LISTED PERMANENT SURVEY MARKERS.            PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORDS.</p> <p>RESPONSIBILITY:            1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)            2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT</p>						



FILE NAME = p:\1108480\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\066880\CADD\cadd\sheet\0366880-sht-details.dgn

USER NAME = GRUNSTAD AJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50' / 1 IN.	CHECKED -	REVISED -
PLOT DATE = 2/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

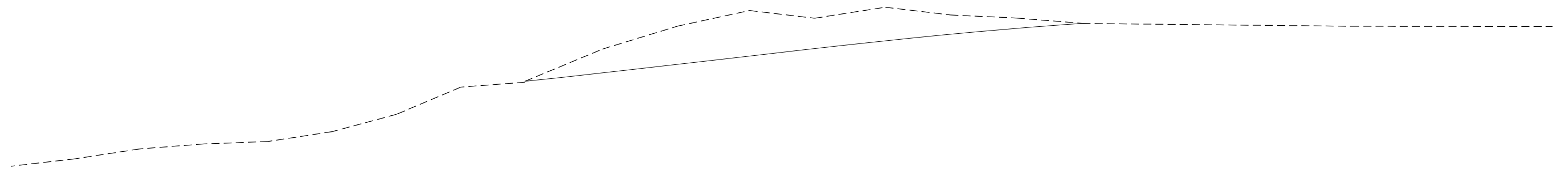
**PROJECT LAYOUT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	19
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	

— PROPOSED PROFILE  
 - - - EXISTING PROFILE

## VARIABLE DEPTH MILLING DETAIL CORNELL E. CITY LIMITS



STA. 134 + 60.5

STA. 134 + 85.5

STA. 135 + 10.5

STA. 135 + 35.5

STA. 135 + 60.5

STA. 135 + 85.5

STA. 136 + 10.5

STA. 136 + 35.5

**JOB LIMITS**  
 STA. 136 + 60.5  
 BEGIN VARIABLE DEPTH MILLING  
 REM. 3 3/4"

STA. 136 + 68.5  
 REM. 5"

STA. 137 + 10.5  
 REM. 5 3/4"

STA. 137 + 35.5  
 REM. 6 1/4"

STA. 137 + 60.5  
 REM. 5 3/8"

STA. 137 + 85.5  
 REM. 5 1/2"

STA. 138 + 10.5  
 REM. 4 3/4"

STA. 138 + 35.5  
 REM. 4 1/4"

STA. 138 + 60.5  
 REM. 3 3/4"  
 END VARIABLE DEPTH MILLING

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USER NAME = GRUNSTAD AJ  
 PLOT SCALE = 50' / 1 IN.  
 PLOT DATE = 2/4/2020

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

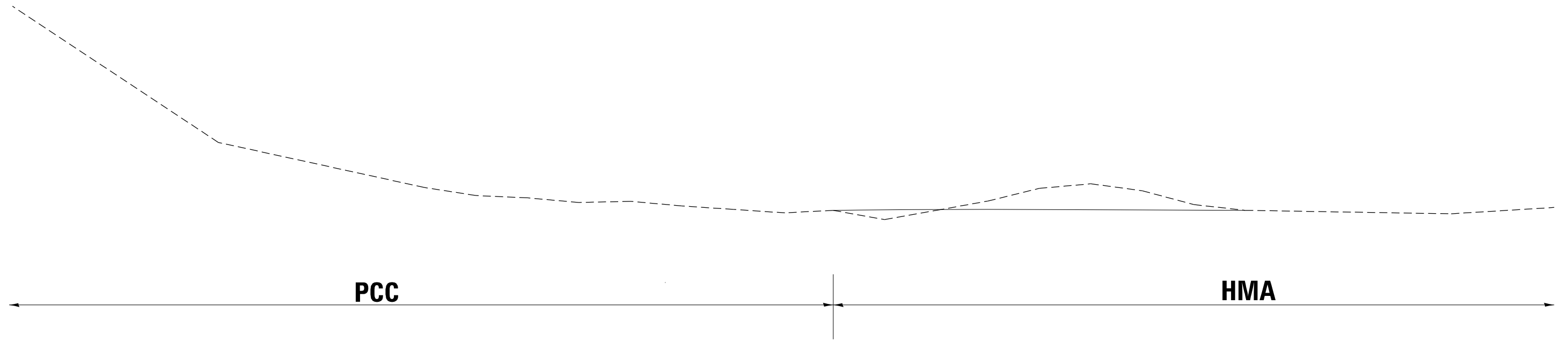
**DETAILS**

SCALE: SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	20
CONTRACT NO. 66B80				
ILLINOIS FED. AID PROJECT				

— PROPOSED PROFILE  
 - - - EXISTING PROFILE

## VARIABLE DEPTH MILLING DETAIL NORTHSIDE I-55 OVERHEAD

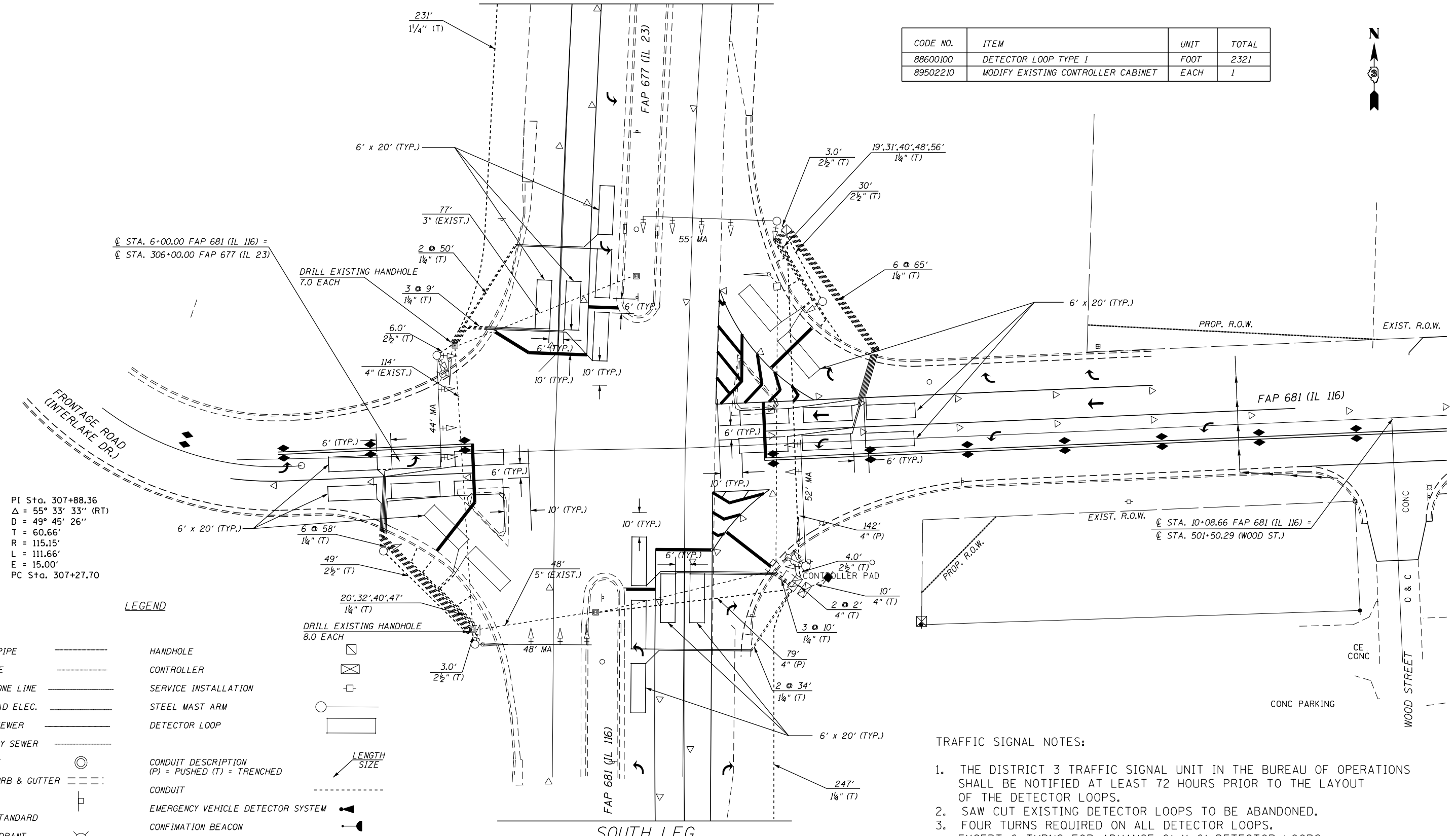


STA. 65 + 00		STA. 66 + 00		STA. 67 + 00		STA. 67 + 25		STA. 67 + 50		STA. 67 + 75		STA. 68 + 00		STA. 68 + 25		STA. 68 + 50		STA. 68 + 75		STA. 69 + 00 = STA. 602 + 90.5 REM. 3 3/4" BEGIN VARIABLE DEPTH MILLING		STA. 602 + 65.5 REM. 3 1/4"		STA. 602 + 40.5 REM. 3 3/4"		STA. 602 + 15.5 REM. 4 5/8"		STA. 601 + 90.5 REM. 5 15/16"		STA. 601 + 65.5 REM. 6 7/16"		STA. 601 + 40.5 REM. 5 3/4"		STA. 601 + 15.5 REM. 4 1/4"		STA. 600 + 90.5 REM. 3 3/4" END VARIABLE DEPTH MILLING
--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	---	--	--------------------------------	--	--------------------------------	--	--------------------------------	--	----------------------------------	--	---------------------------------	--	--------------------------------	--	--------------------------------	--	--



NORTH LEG

CODE NO.	ITEM	UNIT	TOTAL
88600100	DETECTOR LOOP TYPE 1	FOOT	2321
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1



PI Sta. 307+88.36  
 Δ = 55° 33' 33" (RT)  
 D = 49° 45' 26"  
 T = 60.66'  
 R = 115.15'  
 L = 111.66'  
 E = 15.00'  
 PC Sta. 307+27.70'

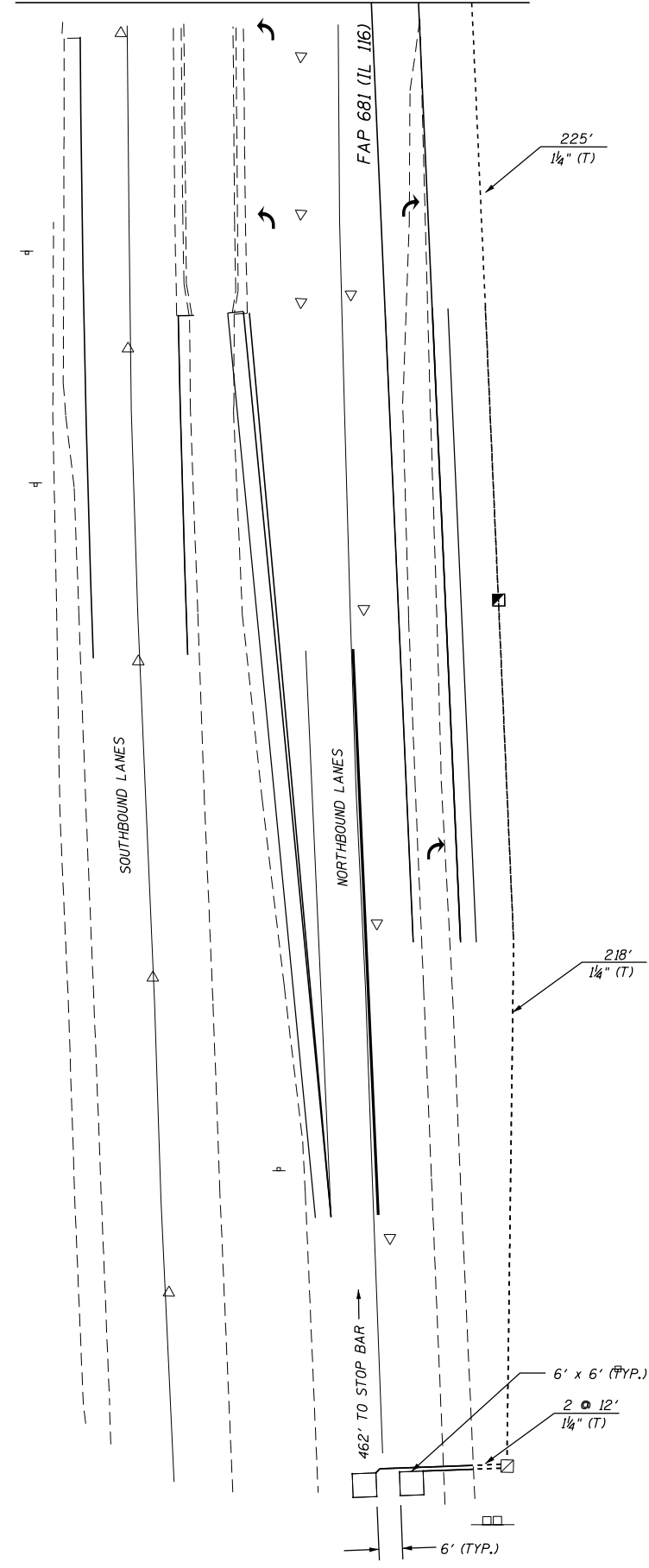
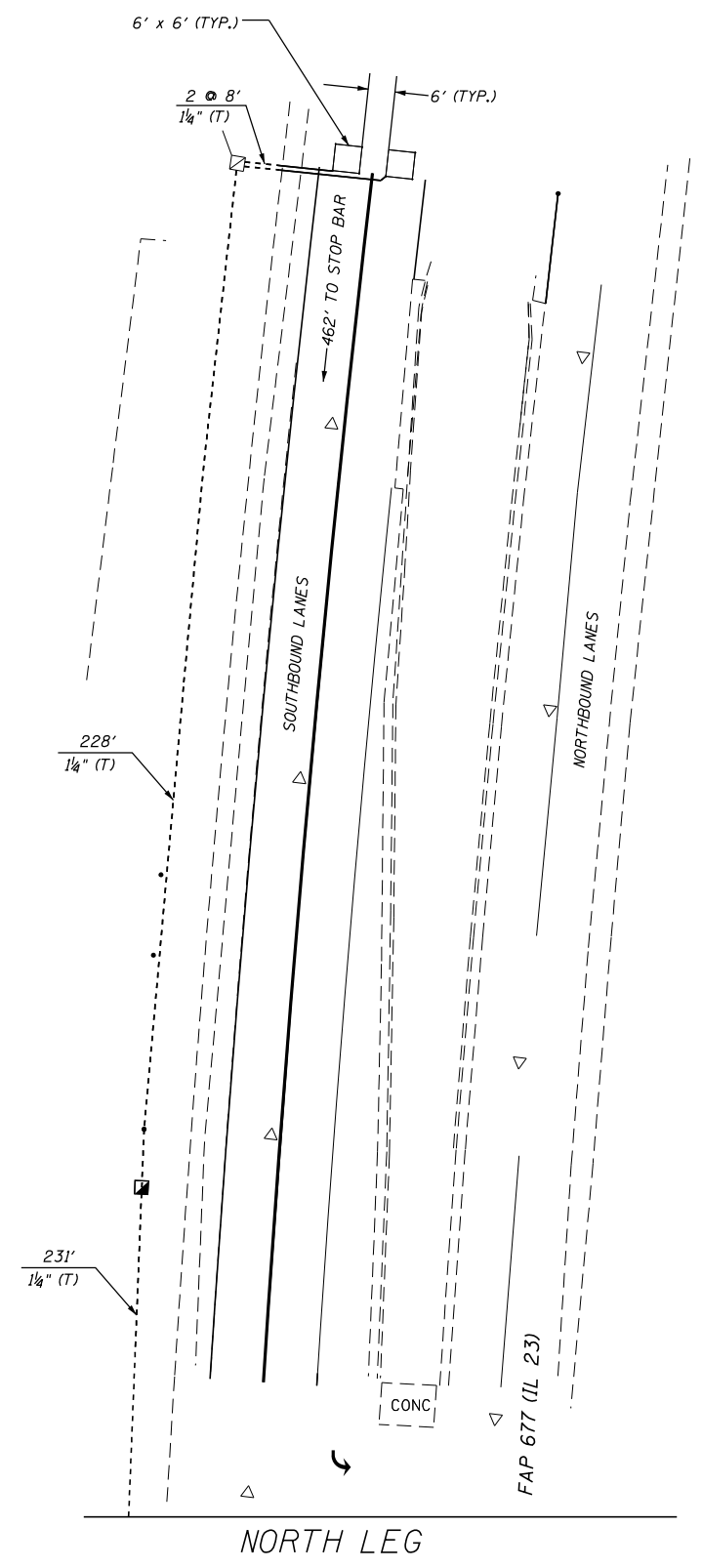
**LEGEND**

WATER PIPE	-----	HANDHOLE	□
GAS LINE	-----	CONTROLLER	□
TELEPHONE LINE	-----	SERVICE INSTALLATION	□
OVERHEAD ELEC.	-----	STEEL MAST ARM	○
STORM SEWER	-----	DETECTOR LOOP	□
SANITARY SEWER	-----		
MANHOLE	⊙	CONDUIT DESCRIPTION	
CONC. CURB & GUTTER	====	(P) = PUSHED (T) = TRENCHED	
SIGN	⊥	CONDUIT	---
LIGHT STANDARD	⊥	EMERGENCY VEHICLE DETECTOR SYSTEM	▲
FIRE HYDRANT	⊙	CONFIRMATION BEACON	⊥
INLET	⊥	SIGNAL HEAD WITH BACKPLATE	+▽
UTILITY POLE	⊥	SIGNAL POST	●
TELEPHONE POLE	⊥	PEDESTRIAN SIGNAL HEAD	⊥
TEL. SPLICE BOX	⊥	PEDESTRIAN PUSH BUTTON	⊙
FENCE	---	DOUBLE HANDHOLE	⊞

**TRAFFIC SIGNAL NOTES:**

1. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS.
2. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED.
3. FOUR TURNS REQUIRED ON ALL DETECTOR LOOPS. EXCEPT 6 TURNS FOR ADVANCE 6' X 6' DETECTOR LOOPS.
4. PLACE DETECTOR LOOPS IN BINDER COURSE.
5. INSTALL 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING 10' FROM PROJECTED EDGE LINE FOR STOP BARS. 6' X 6' TYPICAL DETECTOR FOR ADVANCE LOOPS.

SOUTH LEG



TRAFFIC SIGNAL NOTES:

1. THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS.
2. SAW CUT EXISTING DETECTOR LOOPS TO BE ABANDONED.
3. FOUR TURNS REQUIRED ON ALL DETECTOR LOOPS. EXCEPT 6 TURNS FOR ADVANCE 6' X 6' DETECTOR LOOPS.
4. PLACE DETECTOR LOOPS IN BINDER COURSE.
5. INSTALL 6' X 20' TYPICAL DETECTOR LOOPS WITH 6' SPACING 10' FROM PROJECTED EDGE LINE FOR STOP BARS. 6' X 6' TYPICAL DETECTOR FOR ADVANCE LOOPS.

LEGEND

WATER PIPE	-----	HANDHOLE	
GAS LINE	-----	CONTROLLER	
TELEPHONE LINE	-----	SERVICE INSTALLATION	
OVERHEAD ELEC.	-----	STEEL MAST ARM	
STORM SEWER	-----	DETECTOR LOOP	
SANITARY SEWER	-----	CONDUIT DESCRIPTION	
MANHOLE		(P) = PUSHED (T) = TRENCHED	
CONC. CURB & GUTTER	=====	CONDUIT	
SIGN		EMERGENCY VEHICLE DETECTOR SYSTEM	
LIGHT STANDARD		CONFIRMATION BEACON	
FIRE HYDRANT		SIGNAL HEAD WITH BACKPLATE	
INLET		SIGNAL POST	
UTILITY POLE		PEDESTRIAN SIGNAL HEAD	
TELEPHONE POLE		PEDESTRIAN PUSH BUTTON	
TEL. SPLICE BOX		DOUBLE HANDHOLE	
FENCE	-----		

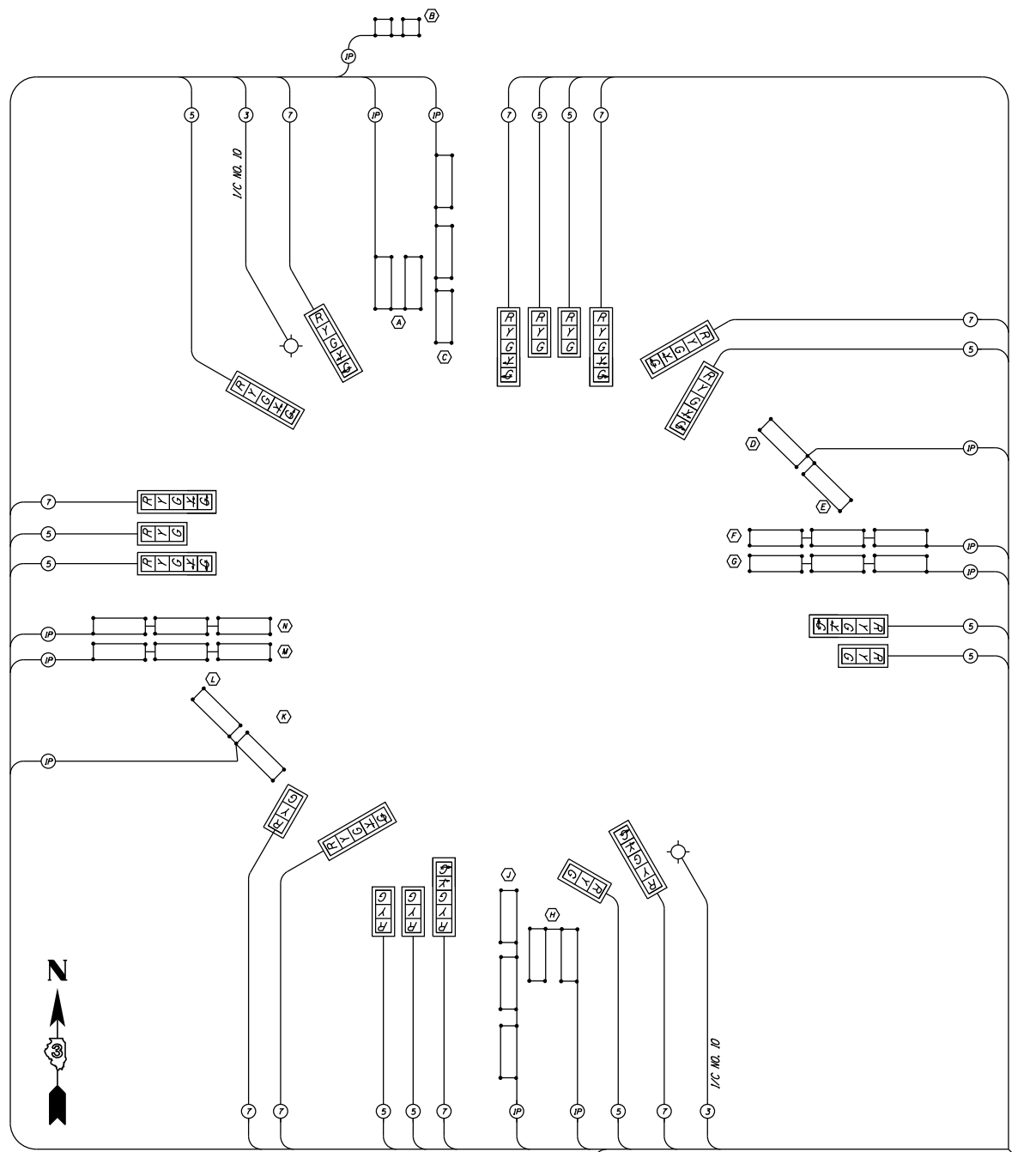
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	PLOT DATE = 2/4/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103,104,105)RS-4	LIVINGSTON	35	24
			CONTRACT NO. 66B80	
ILLINOIS FED. AID PROJECT				





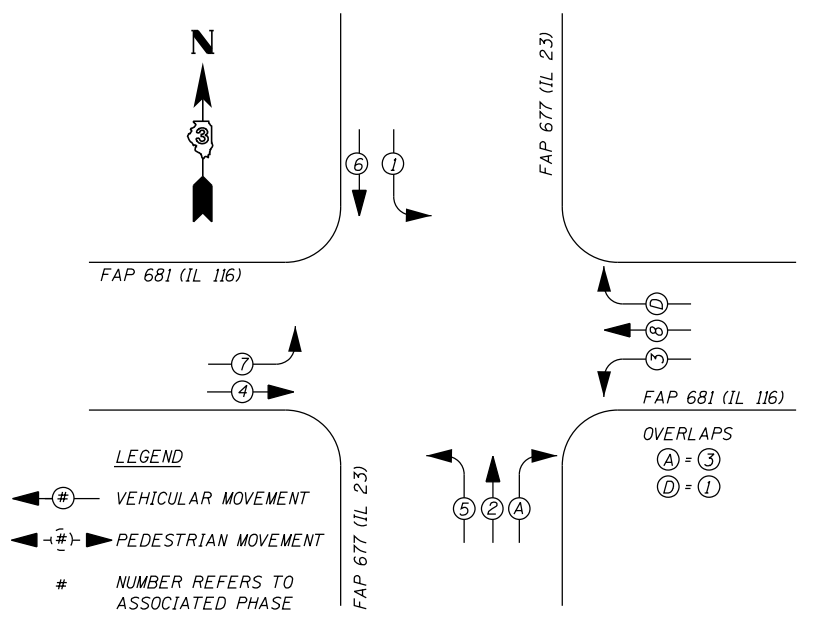
CABLE PLAN  
FAP 677 (IL23) & FAP 681 (IL 116)

DETECTOR LOOP INDUCTANCE CHART

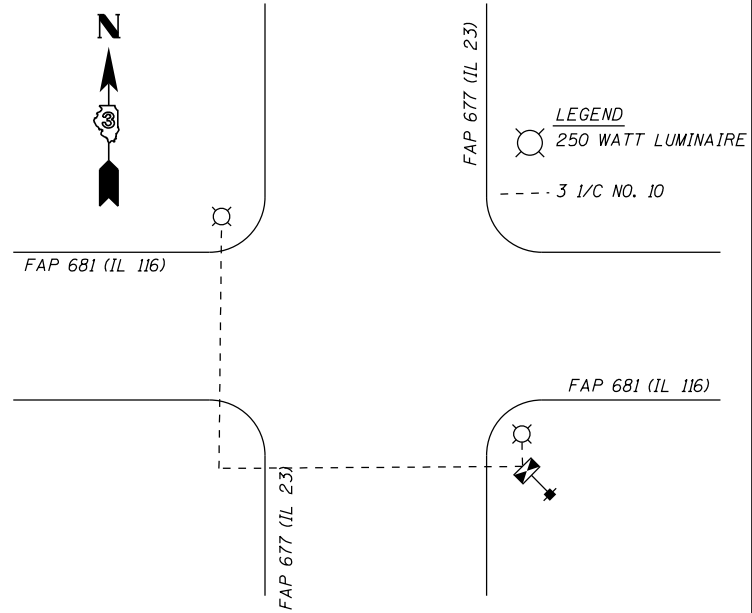
LOOP SYSTEM	PHASING/LABEL	NUM. OF TURNS PER LOOP	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	Ø6 SB STBR	4	614	30866	OFF
B	Ø6 SB FAR	6	692	21288	ON
C	Ø1 SBLT	4	910	26387	ON
D	Ø8 WBRT FR	5	971	38071	OFF
E	Ø8 WBRT BK	6	912	37351	ON
F	Ø8 WB	4	888	29330	ON
G	Ø3 WBLT	4	895	28303	ON
H	Ø2 NB STBR	4	553	57162	OFF
I	Ø2 NB FAR	6	632	26072	ON
J	Ø5 NBLT	4	843	40420	ON
K	Ø4 EBRT FR	5	597	41148	OFF
L	Ø4 EBRT BK	5	605	38145	ON
M	Ø4 EB	4	878	30945	ON
N	Ø7 EBLT	4	886	29570	ON

CABLE PLAN LEGEND

- [R] 12" DIAMETER RED TRAFFIC SIGNAL SECTION
- [Y] 12" DIAMETER YELLOW TRAFFIC SIGNAL SECTION
- [G] 12" DIAMETER GREEN TRAFFIC SIGNAL SECTION
- [Y] LEFT TURN YELLOW
- [G] LEFT TURN GREEN
- [R Y G] TRAFFIC SIGNAL (3-SECTION)
- [R Y G] TRAFFIC SIGNAL (3-SECTION) WITH BACKPLATE
- [R Y G] TRAFFIC SIGNAL (5-SECTION)
- [R Y G] TRAFFIC SIGNAL (5-SECTION) WITH BACKPLATE
- [ ] or [ ] VEHICLE DETECTOR, INDUCTION LOOP
- (F) DETECTOR LOOP IDENTIFICATION
- (5) DENOTES NUMBER OF CONDUCTORS ALL LOOP DETECTOR CABLE TO BE SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED
- [ ] PROPOSED ELECTRICAL SERVICE
- [ ] PROP. CONTROLLER CABINET
- (#P) DENOTES NUMBER OF PAIRS TWISTED SHIELDED CABLE
- (L) 250 WATT HPS LUMINAIRE



LEGEND  
 (Ø#) VEHICULAR MOVEMENT  
 (Ø#) PEDESTRIAN MOVEMENT  
 # NUMBER REFERS TO ASSOCIATED PHASE  
 PHASE DESIGNATION DIAGRAM  
 FAP 677 (IL23) & FAP 681 (IL 116)



LEGEND  
 (L) 250 WATT LUMINAIRE  
 --- 3 1/C NO. 10  
 LIGHTING CIRCUIT DIAGRAM  
 FAP 677 (IL23) & FAP 681 (IL 116)

ELECTRICAL LOAD FOR IL 23 & IL 116

	NUMBER	WATTAGE EACH	BURN TIME (%)
<b>SOUTHBOUND (IL 23)</b>			
RED	5	10	73%
YELLOW	5	19	3%
GREEN	5	14	24%
YELLOW ARROW	2	9	3%
GREEN ARROW	2	9	10%
<b>NORTHBOUND (IL 23)</b>			
RED	6	10	73%
YELLOW	6	19	3%
GREEN	6	14	24%
YELLOW ARROW	4	9	3%
GREEN ARROW	4	9	10%
<b>EASTBOUND (INTERPLAK DRIVE)</b>			
RED	4	10	75%
YELLOW	4	19	3%
GREEN	4	14	22%
YELLOW ARROW	2	9	3%
GREEN ARROW	2	9	24%
<b>WESTBOUND (IL 116)</b>			
RED	3	10	75%
YELLOW	3	19	3%
GREEN	3	14	22%
YELLOW ARROW	2	9	3%
GREEN ARROW	2	9	24%
<b>TRAFFIC SIGNAL</b>			
CONTROLLER	1	6	100%
DETECTOR	14	4	100%
<b>HIGHWAY LIGHTING</b>			
CONTROLLER	1	6	100%
LUMINAIRE	2	310	50%

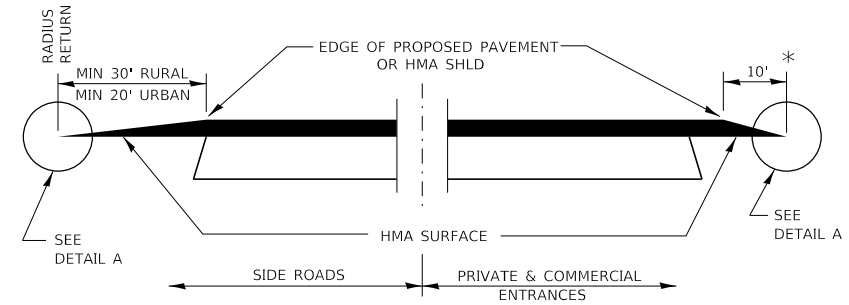
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 Default PLOT DATE = 2/4/2020 DATE - REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

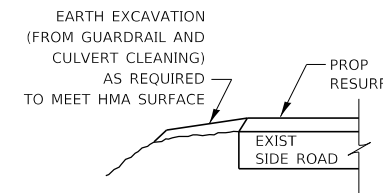
DETECTOR LOOP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

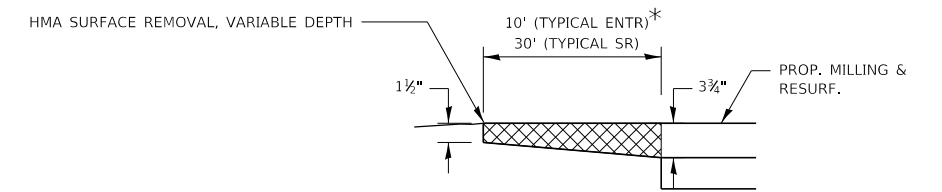
F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103,104,105)RS-4	LIVINGSTON	35	25
				CONTRACT NO. 66B80
ILLINOIS FED. AID PROJECT				



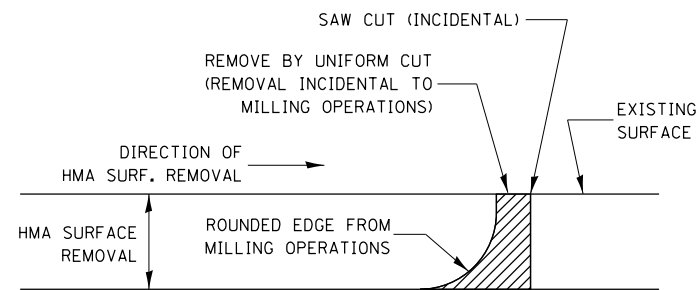
**SECTION A-A**  
**DETAILS AT ENTRANCES & SIDE ROADS**



**SECTION B-B**

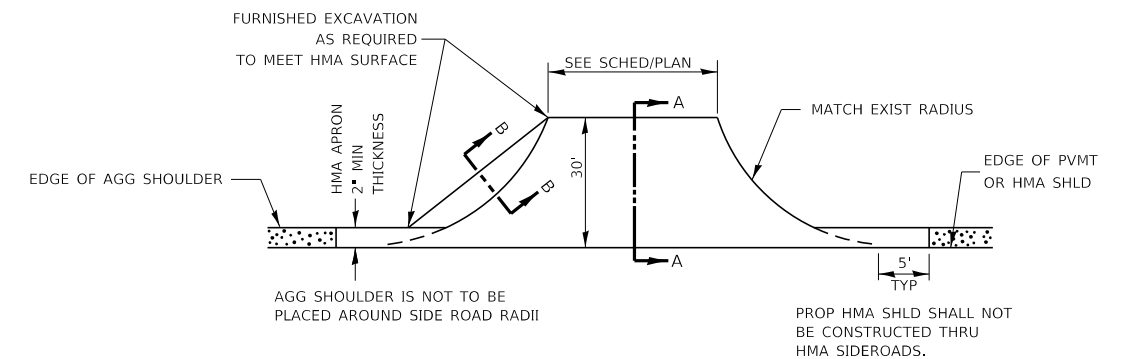


**DETAIL A**

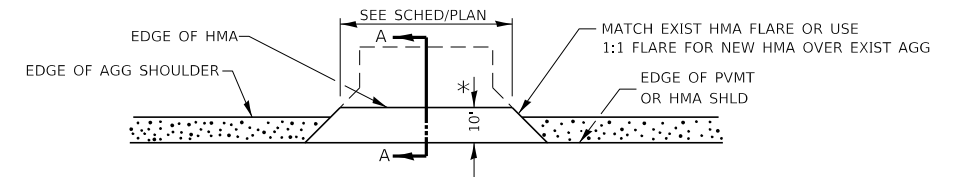


**NOTE:**  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

**HMA DETAIL AT BUTT JOINTS**



**PLAN AT SIDE ROADS**



**PLAN AT PRIVATE & COMMERCIAL ENTRANCES**

(DO NOT RESURFACE FIELD ENTRANCES)

\* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

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PLOT DATE = 2/4/2020

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DATE -

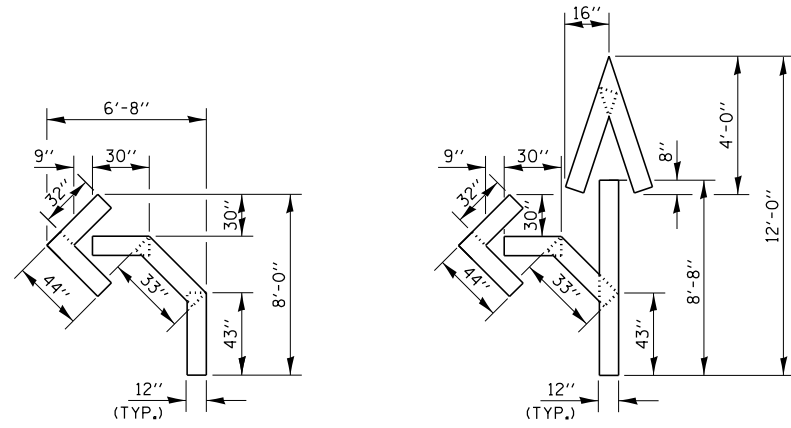
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETAILS**

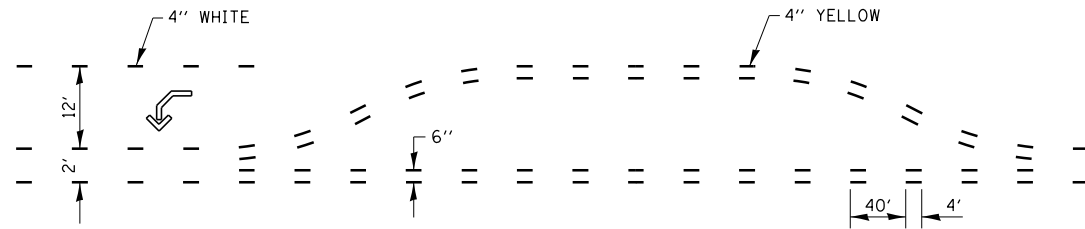
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	26
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	

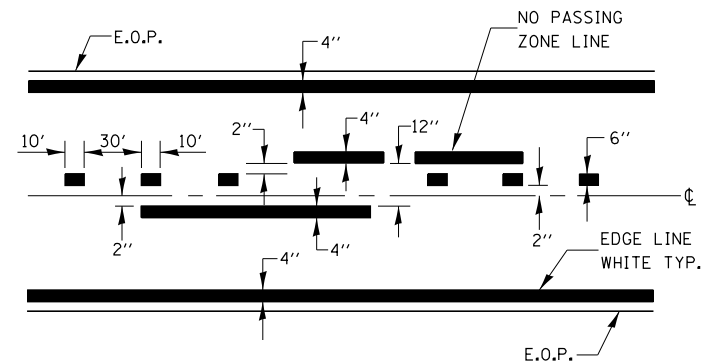


QUANTITY  
12" LINE = 16 LIN. FT.  
OR 4" LINE = 48 LIN. FT.

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

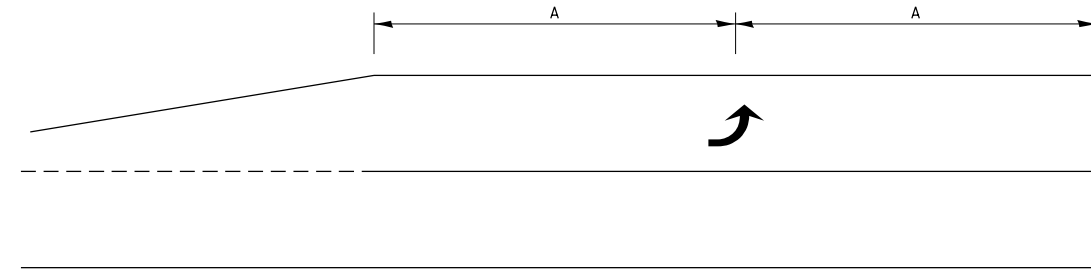


**SHORT-TERM PAVEMENT MARKING  
FOR MEDIANS AND ARROWS**

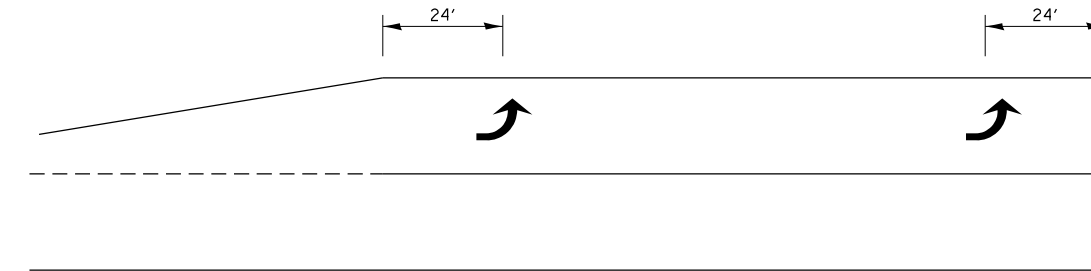


CENTERLINE & NO PASSING  
ZONE LINES - YELLOW (SEE TYPICAL SECTIONS)

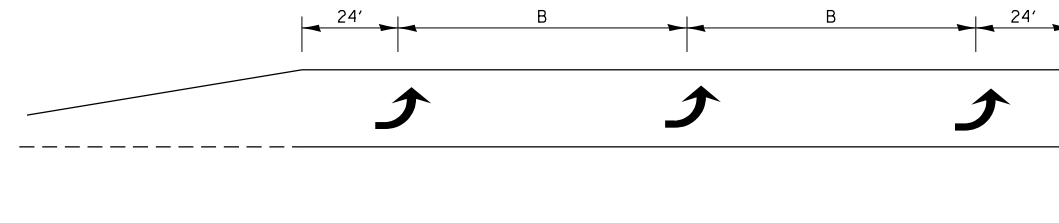
**PAVEMENT MARKING**



**99' AND UNDER**



**100' TO 149'**



**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS  
IN TURN LANES**

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PLOT DATE = 2/4/2020

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DATE -

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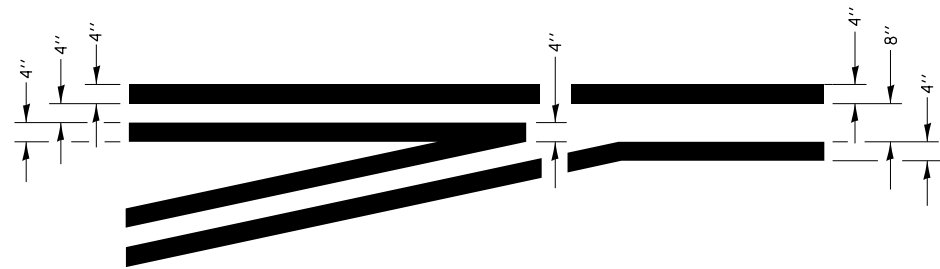
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

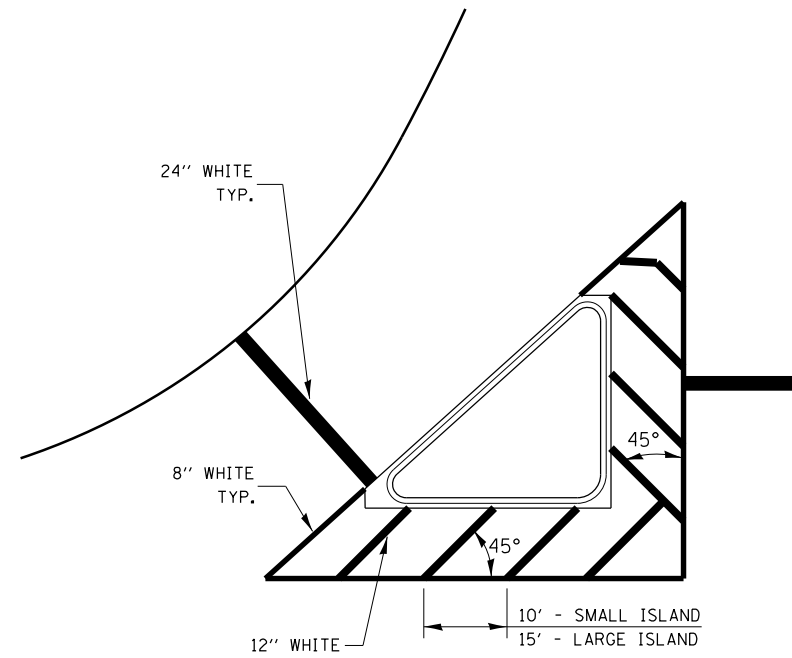
SCALE: SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	27
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	

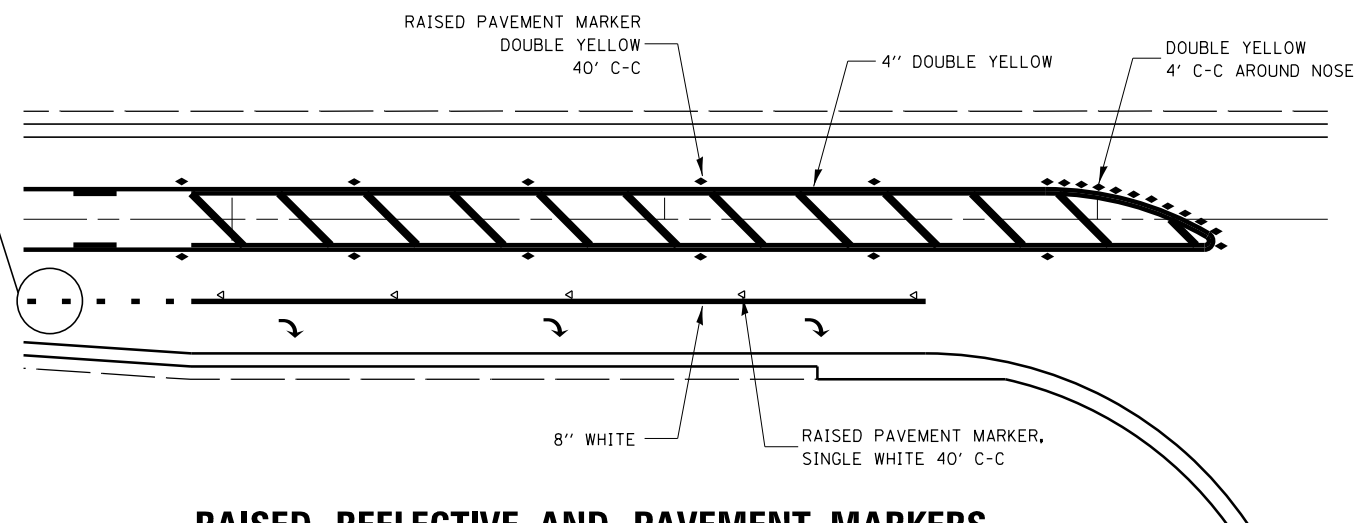
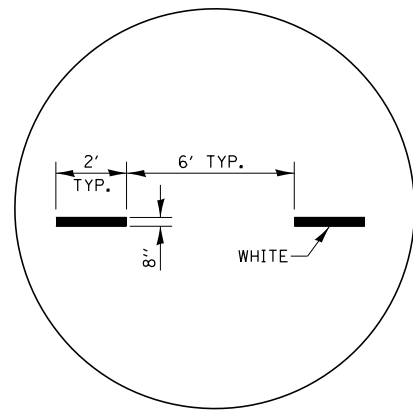




**TYPICAL APPLICATION  
LEFT TURN LANES**



**TYPICAL ISLAND**



**RAISED REFLECTIVE AND PAVEMENT MARKERS  
RIGHT TURN LANE**

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DATE -

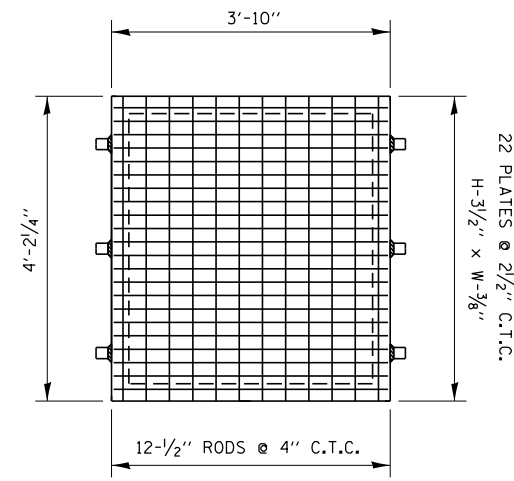
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

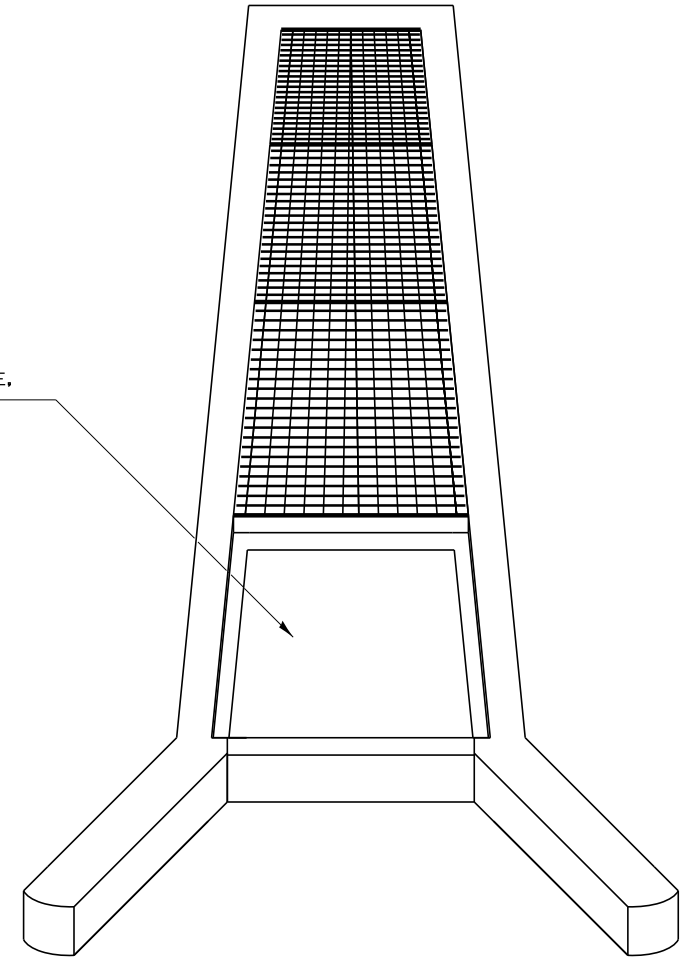
**DETAILS**

SCALE: SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	29
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	



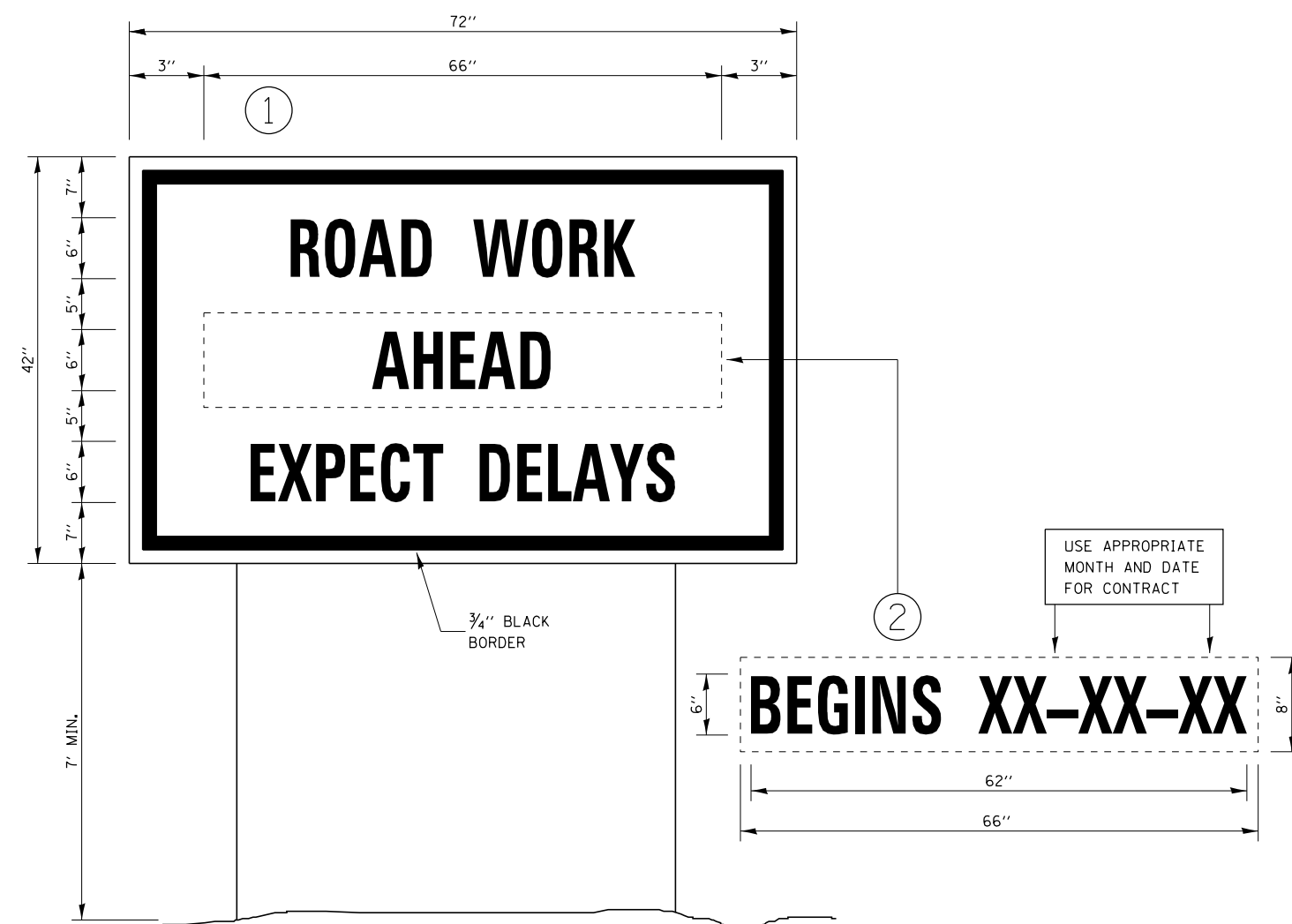
REPLACE MISSING GRATE,  
SPECIAL GRATE NO.1



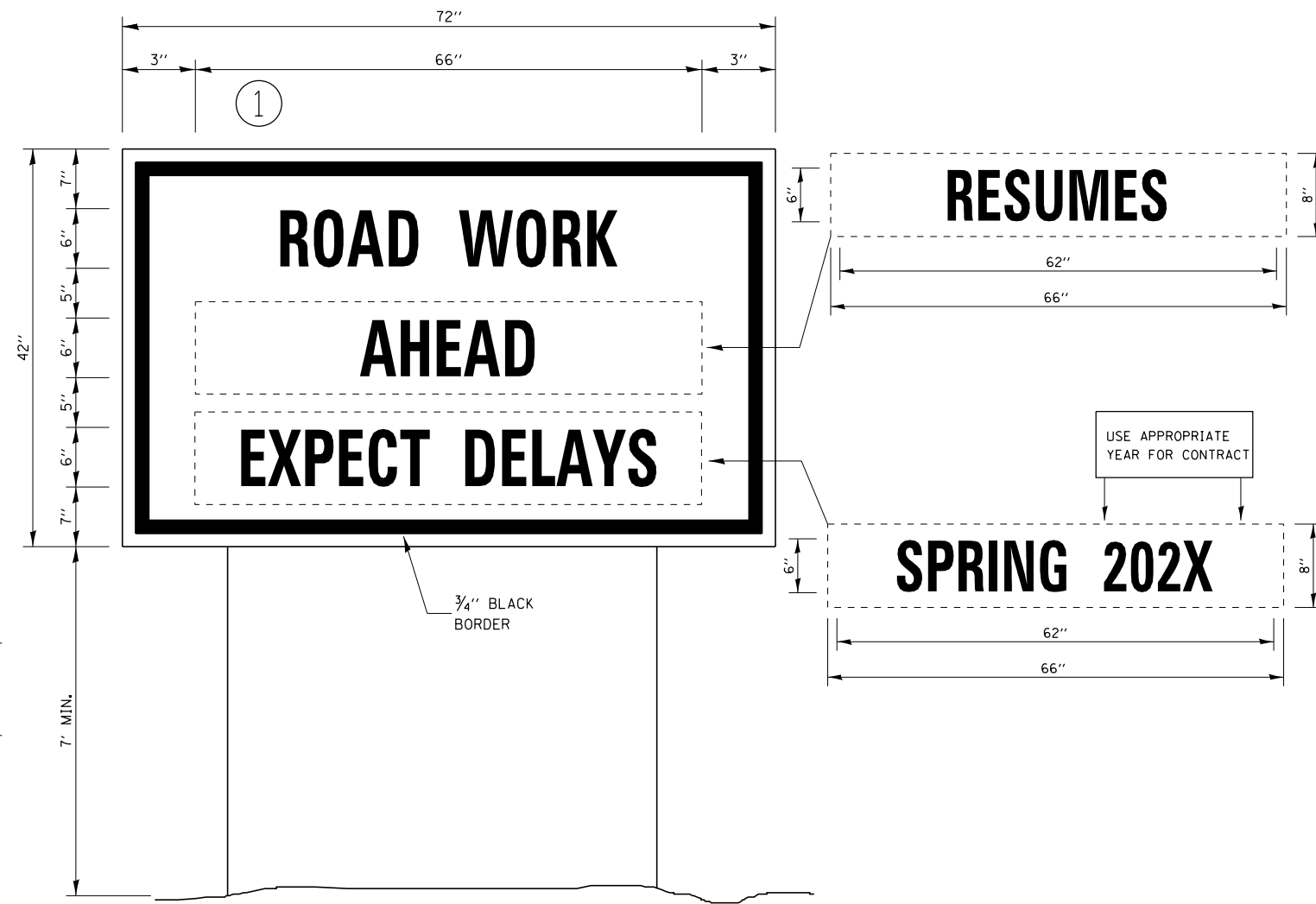
MATERIALS SHALL BE ACCORDING TO 542.07(b)(2) OF THE STANDARDS SPECIFICATIONS.

**SPECIAL GRATE NO. 1**  
**CULVERT #2345 ON IL 170**  
**STA. 453 + 53**

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	DRAWN -	REVISIED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	68	(103, 104, 105)RS-4	LIVINGSTON	35	30
	CHECKED -	REVISIED -		CONTRACT NO. 66B80									
	DATE -	REVISIED -		ILLINOIS FED. AID PROJECT									



**TEMPORARY INFORMATION SIGNING**



**WINTER CLOSURE 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 SO FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SO FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

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 PLOT DATE = 2/4/2020

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 DATE -

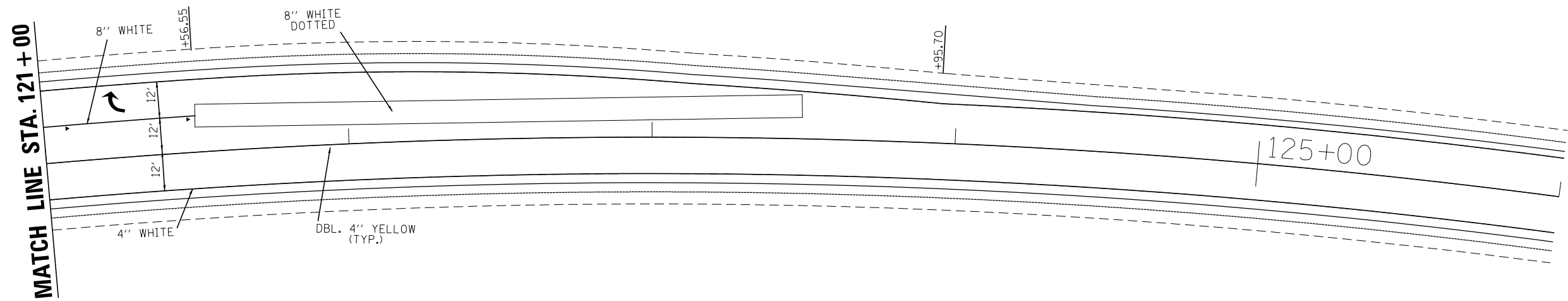
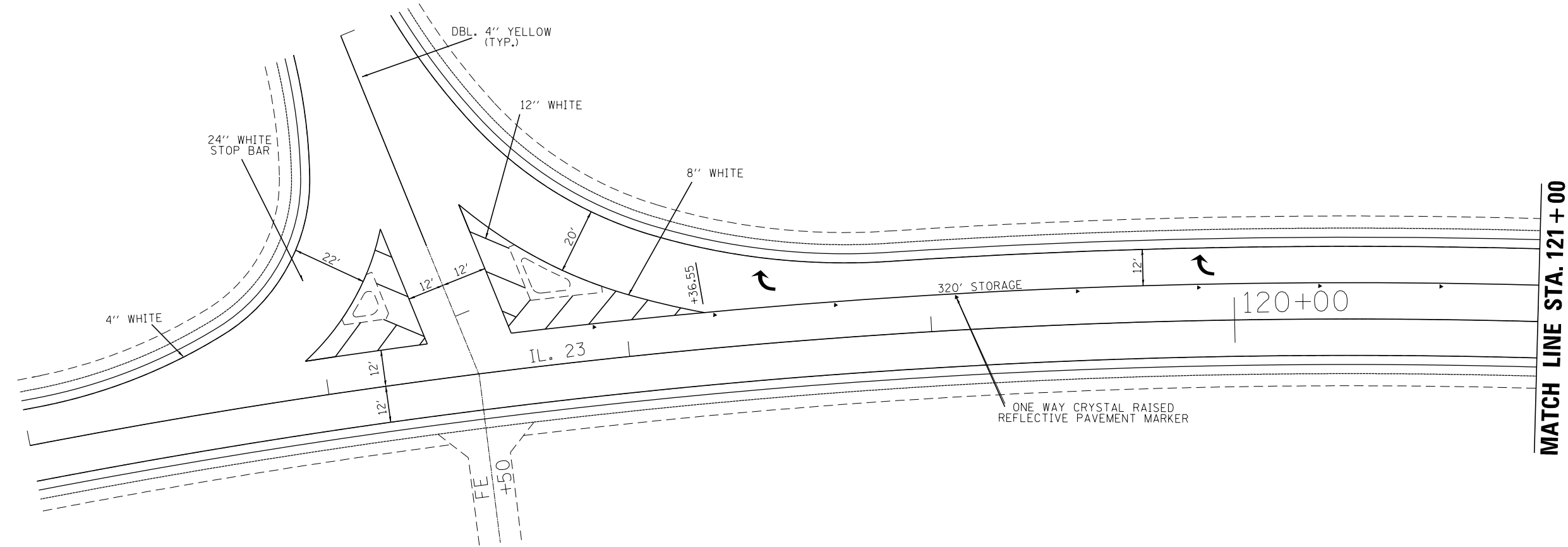
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	(103, 104, 105)RS-4	LIVINGSTON	35	31
			CONTRACT NO. 66B80	
ILLINOIS FED. AID PROJECT				



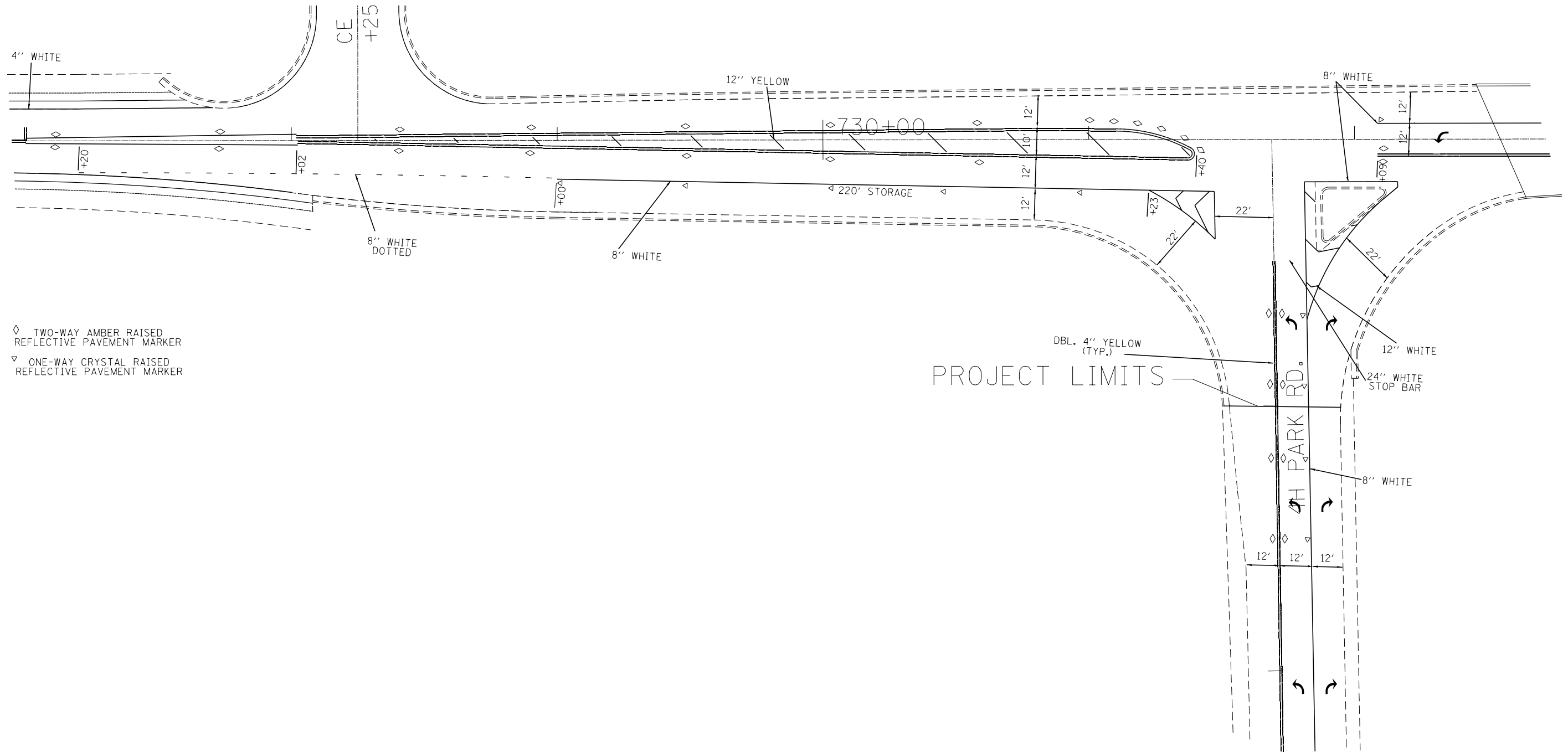
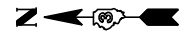
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
SCALE: 20	SHEET 1 OF 4 SHEETS	STA. 116+00 TO STA. 126+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(103, 104, 105) RS-4	LIVINGSTON	35	32
CONTRACT NO. 66B80				
ILLINOIS FED. AID PROJECT				





- ◇ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER
- ▽ ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER

PROJECT LIMITS

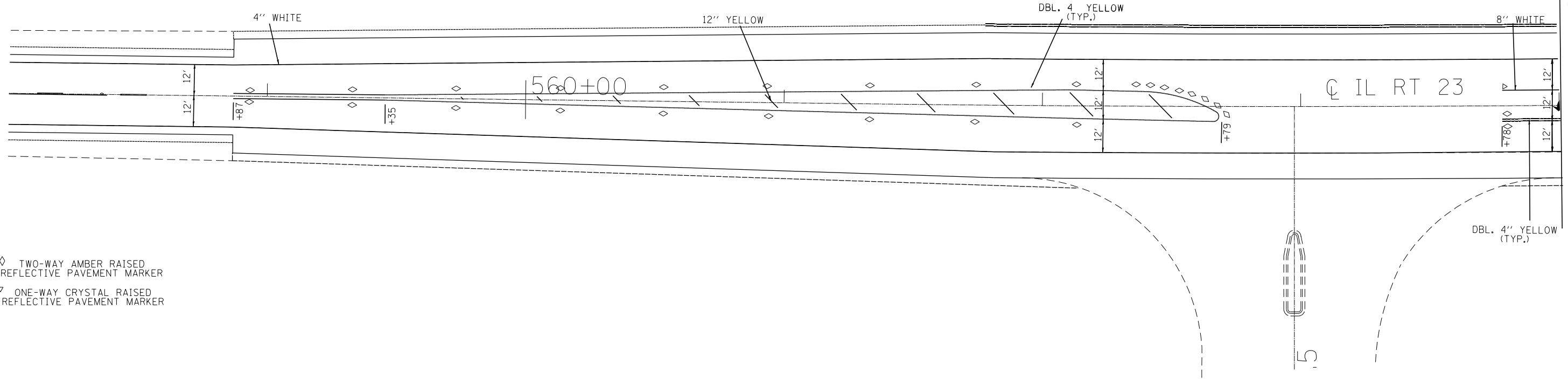
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

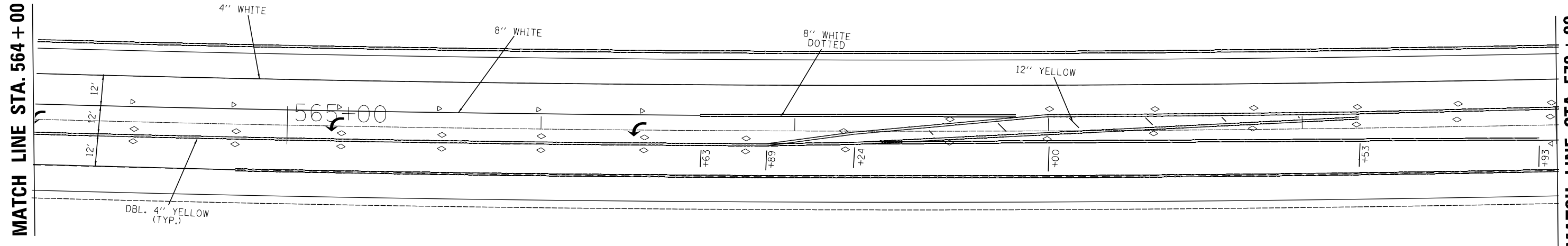
**PAVEMENT MARKING  
DETAILS**

SCALE: 20 SHEET 2 OF 4 SHEETS STA. 727+00 TO STA. 732+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(103, 104, 105) RS-4	LIVINGSTON	35	33
CONTRACT NO. 66B80			ILLINOIS FED. AID PROJECT	



MATCH LINE STA. 564 + 00



MATCH LINE STA. 564 + 00

MATCH LINE STA. 570 + 00

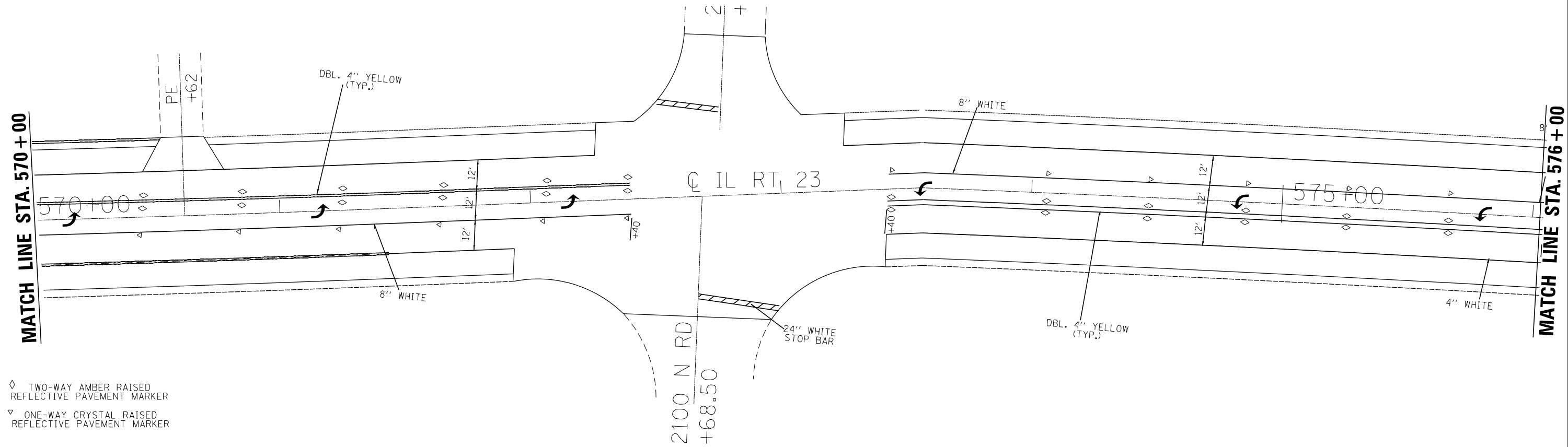
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	PLOT DATE = 2/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

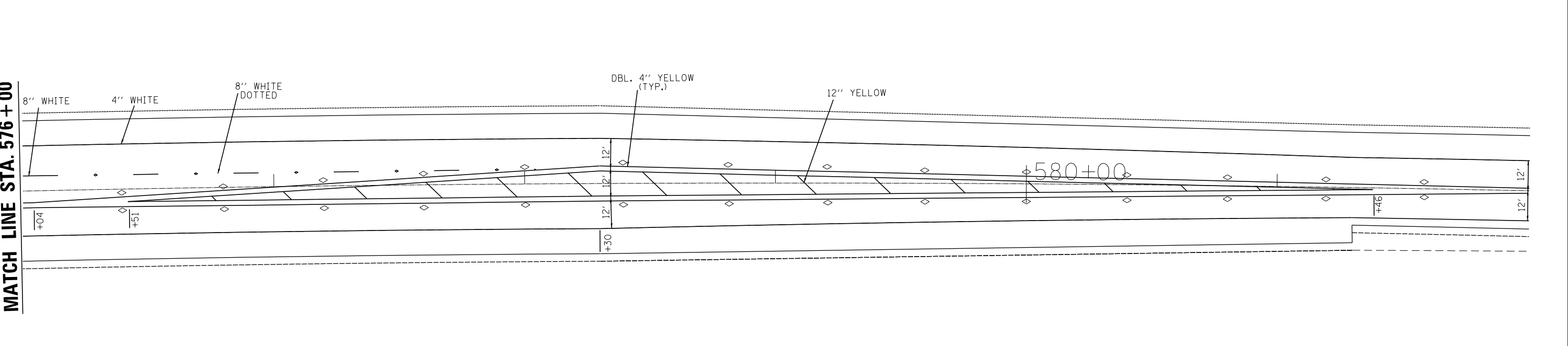
**PAVEMENT MARKING  
DETAILS**

SCALE: 20 SHEET 3 OF 4 SHEETS STA. 558+00 TO STA. 570+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(103, 104, 105) RS-4	LIVINGSTON	35	34
CONTRACT NO. 66B80				
ILLINOIS FED. AID PROJECT				



◇ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER  
 ▽ ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER



◇ TWO-WAY AMBER RAISED REFLECTIVE PAVEMENT MARKER  
 ▽ ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER

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Default	PLOT DATE = 2/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
SCALE: 20	SHEET 4 OF 4 SHEETS	STA. 570+00 TO STA. 582+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23	(103, 104, 105) RS-4	LIVINGSTON	35	35
CONTRACT NO. 66B80				
ILLINOIS FED. AID PROJECT				