

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	25	1
		ILLINOIS	CONTRACT NO. 62G55	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

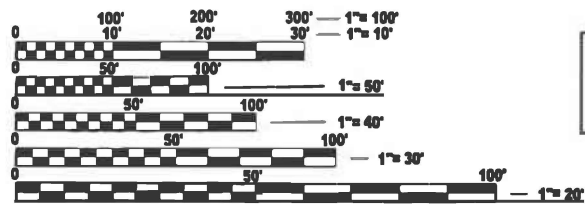
PROJECT LOCATED IN CITY OF LOCKPORT

TRAFFIC DATA:
ILL 171 ARCHER AVE
ADT (2023) = 14300
POSTED AND DESIGN SPEED LIMIT = 45-50 MPH

PROPOSED
HIGHWAY PLANS

FAP ROUTE 577: ILL 171 (ARCHER AVE)
SECTION: 2018-036-RS-SW
PROJECT: NHPP-7MF7(128)
STANDARD OVERLAY
BOULA AVE. TO 0.1 MI SW OF I-355
WILL COUNTY

C-91-239-18



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.

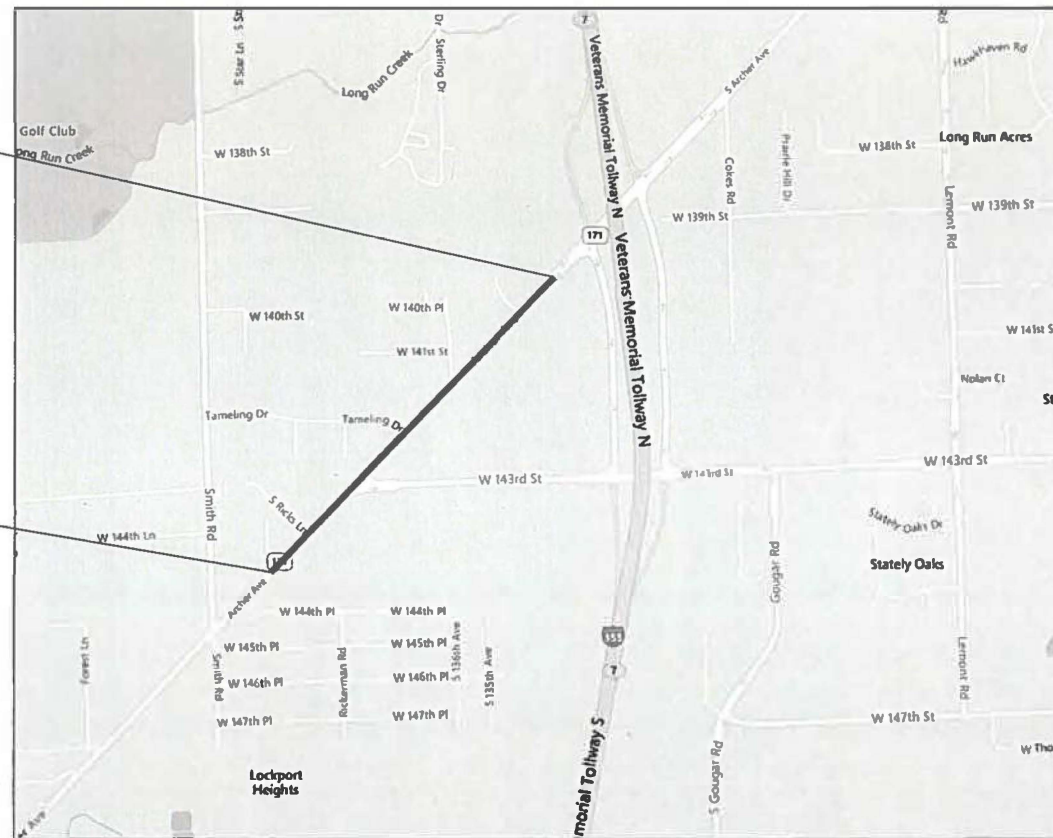
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: DAN WILGREEN P.E. (847) 705-4240
PROJECT MANAGER: J. ALAIN MIDY P.E. (847) 221-3056

CONTRACT NO. 62G55

PROJECT ENDS
STA 58+22.2

PROJECT BEGINS
STA 12+80



HOMER TOWNSHIP
GROSS AND NET LENGTH = 4542.2 FT. = 0.86 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 9 2024 *[Signature]* REGIONAL ENGINEER

January 31 2025 *[Signature]* ENGINEER OF DESIGN AND ENVIRONMENT

January 31 2025 *[Signature]* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	442201-03	CLASS C AND D PATCHES
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
3 - 4	SUMMARY OF QUANTITIES	701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
5	SCHEDULE OF QUANTITIES (EARTHWORK) - IL 171 AT 143RD ST.	701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEED ≥ 45MPH
6 - 7	TYPICAL SECTIONS	701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
8 - 9	ROADWAY PLANS	701422-10	LANE CLOSURE, MULTILANE, FOR SPEED ≥ 45MPH TO 55MPH
10 - 11	DETECTOR LOOP REPLACEMENT PLANS	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEED ≥ 45MPH
12	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
13	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
14	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
15	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701901-10	TRAFFIC CONTROL DEVICES
16	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)		
17	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)		
18	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)		
19	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)		
20	ARTERIAL ROAD INFORMATION SIGN (TC-22)		
21	DRIVEWAY ENTRANCE SIGNING (TC-26)		
22	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING (TS-07)		
23 - 26	CROSS-SECTIONS - IL 171 AT 143RD ST.		

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES, ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
3. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
4. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
7. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINALL SURFACES.
8. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
9. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
10. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
11. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
12. THE RESIDENT ENGINEER SHALL CONTACT MR. ERIC CAMPOS AREA TRAFFIC FIELD ENGINEER, AT ERIC.CAMPOS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
14. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
16. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

MODEL: C:\notes\sh01 (Sheet) 09685591.D131518-sh1-gemnote.dgn
 FILE NAME: C:\work\work\sh01notes.dwg

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL 171 (ARCHER AVE.) (BOULA AVE. TO I-355)**

SCALE: SHEET OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	2
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN				
					ROADWAY	ROADWAY				
					80% FED 20% STATE	100% STATE				
Code No.	Item	Unit	Total Quantity	0005	0043					
20200100	EARTH EXCAVATION	CU YD	115	115						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	206	206						
20400800	FURNISHED EXCAVATION	CU YD	392.4	392.4						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4634	4634						
21400100	GRADING AND SHAPING DITCHES	FOOT	360	360						
25000210	SEEDING, CLASS 2A	ACRE	0.08	0.08						
25100630	EROSION CONTROL BLANKET	SQ YD	1440	1440						
25200110	SODDING, SALT TOLERANT	SQ YD	31	31						
25200200	SUPPLEMENTAL WATERING	UNIT	0.3	0.3						
28100107	STONE RIPRAP, CLASS A4	SQ YD	133.33	133.33						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	28864	28864						
40600370	LONGITUDINAL JOINT SEALANT	FOOT	14126	14126						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	65	65						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	197	197						
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1764	1764						
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	4191	4191						
42001300	PROTECTIVE COAT	SQ YD	20	20						
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	42761	42761						
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	107	107						
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	856	856						
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	642	642						

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN				
					ROADWAY	ROADWAY				
					80% FED 20% STATE	100% STATE				
Code No.	Item	Unit	Total Quantity	0005	0043					
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	535	535						
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	146	146						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1						
60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	393		393					
60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	46		46					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	321	321						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2						
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1						
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1						
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5						
67100100	MOBILIZATION	L SUM	1	1						
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1						
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15670	15670						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5224	5224						
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	447	447						
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	24840	24840						
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2319	2319						
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	762	762						

* = SPECIALITY ITEMS

MODEL: SQC-01 (Sheet) FILE NAME: c:\p\work\pww\illinois.gov\hanan.alghizi\illinois.gov\0056859\0131518-stk-SQC.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES IL 171(ARCHER AVE)(BOULA AVE TO I-355)			
SCALE:	SHEET 1	OF 2	SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	3
CONTRACT NO. 62G55			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN				
				ROADWAY	ROADWAY				
				80% FED 20% STATE	100% STATE				
Code No.	Item	Unit	Total Quantity	0005	0043				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1886	1886					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	174	174					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3918	3918					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	447	447					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24840	24840					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2319	2319					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	762	762					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1886	1886					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	174	174					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	467	467					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	467	467					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2139	2139					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4	4					
* 88600100	DETECTOR LOOP, TYPE I	FOOT	601	601					
X2010516	SELECTIVE CLEARING	UNIT	4	4					
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	72	72					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	60	60					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	80	80					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	90	90					
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN				
				ROADWAY	ROADWAY				
				80% FED 20% STATE	100% STATE				
Code No.	Item	Unit	Total Quantity	0005	0043				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	6	6					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	150	150					

* = SPECIALITY ITEMS

MODEL: SOQ02 (Sheet)
FILE NAME: c:\p\work\wv\illinois.gov\hanan.alghizi\illinois.gov\095859\0131518-stn-SOQ.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
IL 171(ARCHER AVE)(BOULA AVE TO I-355)			
SCALE:	SHEET 2	OF 2	SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	4
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE					
1	2	3	4	5	6
IL 171 AT 143RD ST	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU. YD.)	EMBANKMENT (CU. YD.)	EARTH EXCAVATION TO BE USED AS EMBANKMENT (CU. YD.)	EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
21+46.74	0.00	0.00	0.00	0.00	0.00
21+96.74	21.40	21.11	1.40	18.2	16.8
22+46.74	23.91	42.28	66.97	20.3	-46.6
22+96.74	2.51	30.97	73.72	2.1	-71.6
23+46.74	0.00	9.80	219.93	0.0	-219.9
23+96.74	25.79	23.57	43.69	21.9	-21.8
24+46.74	27.14	36.47	56.59	23.1	-33.5
24+96.74	7.37	27.35	20.00	6.3	-13.7
25+46.74	6.02	14.45	7.11	5.1	-2.0
TOTAL =	115.00	206.00	489.40	97.0	-392.4

COLUMN 1: LOCATION FROM PLANS

COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL OR TOPSOIL STRIPPING

COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE USE IN EMBANKMENT (INCLUDE 6.0" SOIL STRIPPING)

COLUMN 4: FILL QUANTITIES FROM CROSS SECTIONS

COLUMN 5: EARCH EXCAVATION THAT IS TO BE USED AS EMBANKMENT, ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 15%)

COLUMN 6: COLUMN 5- COLUMN 4

POSITIVE QUANTITY = EXTRA EXCVATION

NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED

NOTES:

TOPSOIL SHALL BE STRIPPED IN AREAS DISTURBED BY PROPOSED WORK TO A DEPTH OF 6.0" .

MODEL: Schedule01 (Sheet)
FILE NAME: c:\p\work\pawforillinois.gov_hanan.alghizi@illinois.gov\096859\0131518-sht-schedule.dgn

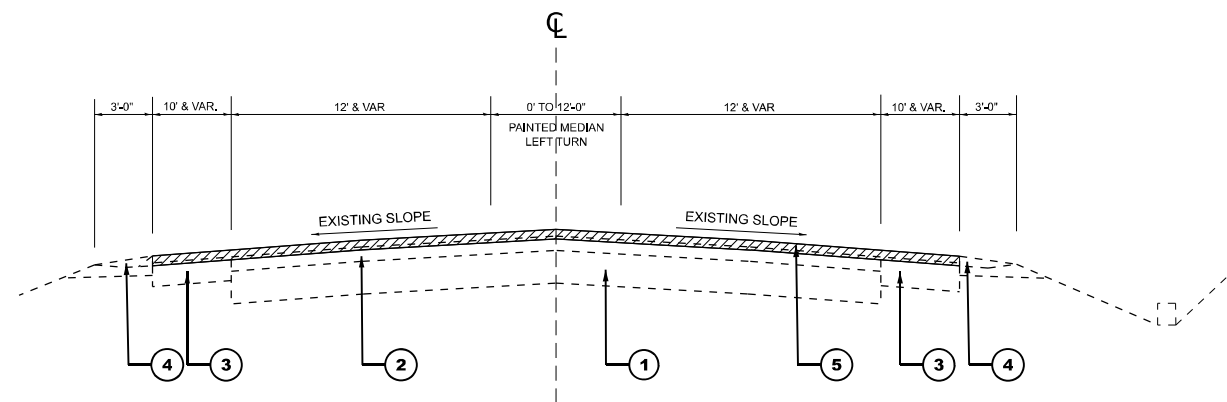
USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EARTH EXCAVATION SCHEDULE
IL 171 (ARCHER AVE) AT 143RD ST**

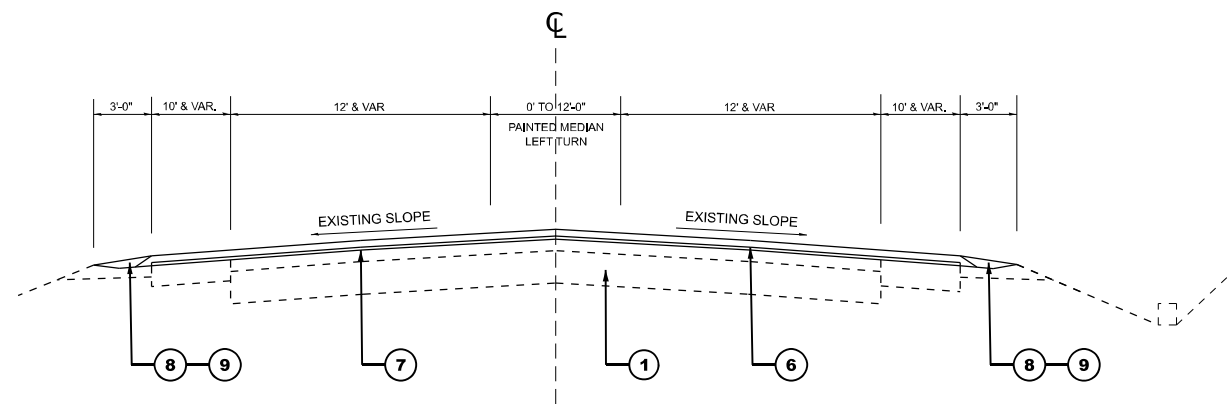
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G55	



EXISTING TYPICAL SECTION

STA 12+80 - STA 16+45.99



PROPOSED TYPICAL SECTION

STA 12+80 - STA 16+45.99

LEGEND

1. EXISTING HMA OR P.C.C. PAVEMENT, 10"
2. EXISTING HMA SURFACE COURSE, ±6" (AFTER MILLING)
3. EXISTING HMA SHOULDER, 8"
4. EXISTING AGGREGATE SHOULDERS, 8"
5. PROPOSED HMA SURFACE REMOVAL, 2½"
6. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA 9.5, MIX "F", N80, 1¾"
7. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
8. PROPOSED AGGREGATE SHOULDER, TYPE B
9. PROPOSED AGGREGATE WEDGE SHOULDER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndesign	
PAVEMENT RESURFACING		
POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA 9.5, MIX "F", N80, 1¾"	3.5% @ 80 Gyr.	QCP
POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.	QC/QA
QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS

NOTE:

1. CONTRACTOR SHALL MILL BEFORE PATCHING
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY HMA BINDER IL-4.75 N50

MODEL: TY 1 (Sheet)
FILE NAME: c:\p\work\project\illinois.gov\hanan.alghizi\131518-sth-typical.dgn

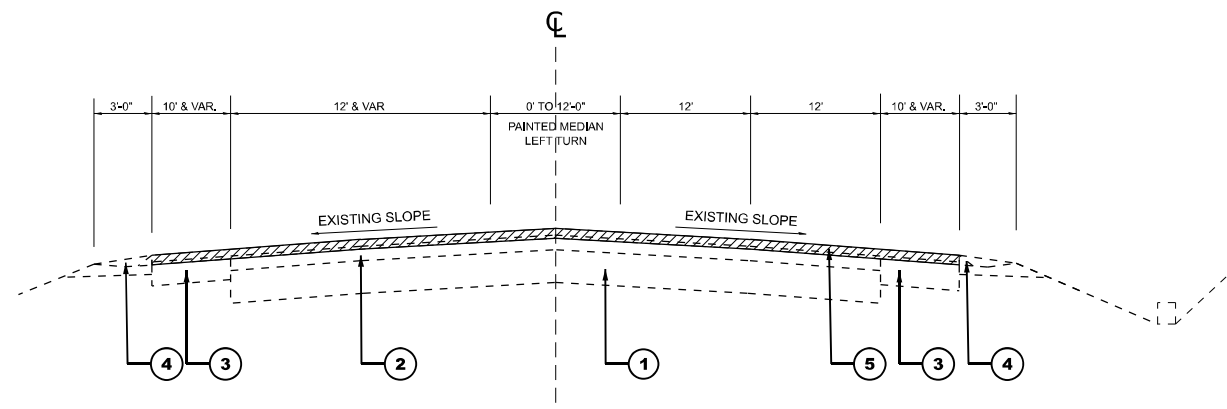
USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
IL 171(ARCHER AVE)(BOULA AVE TO I-355)**

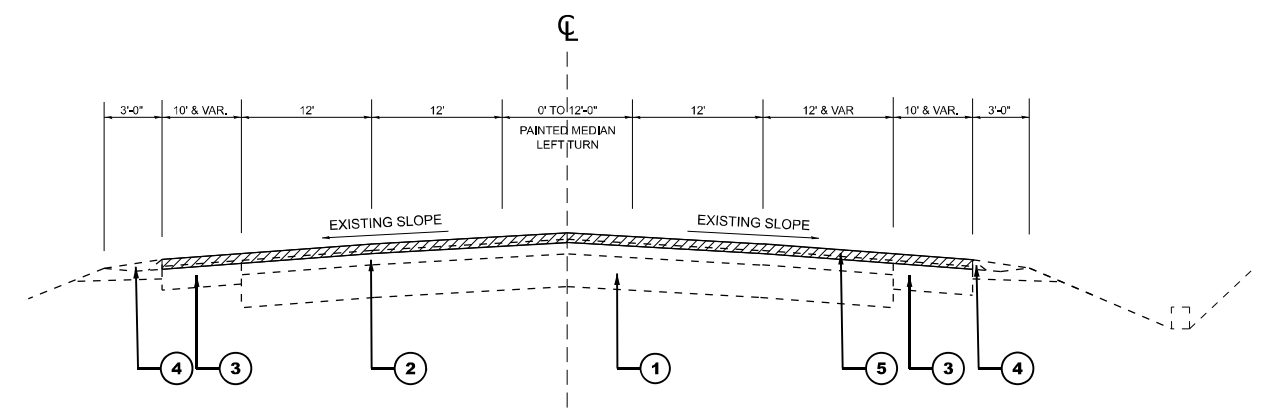
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	6
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



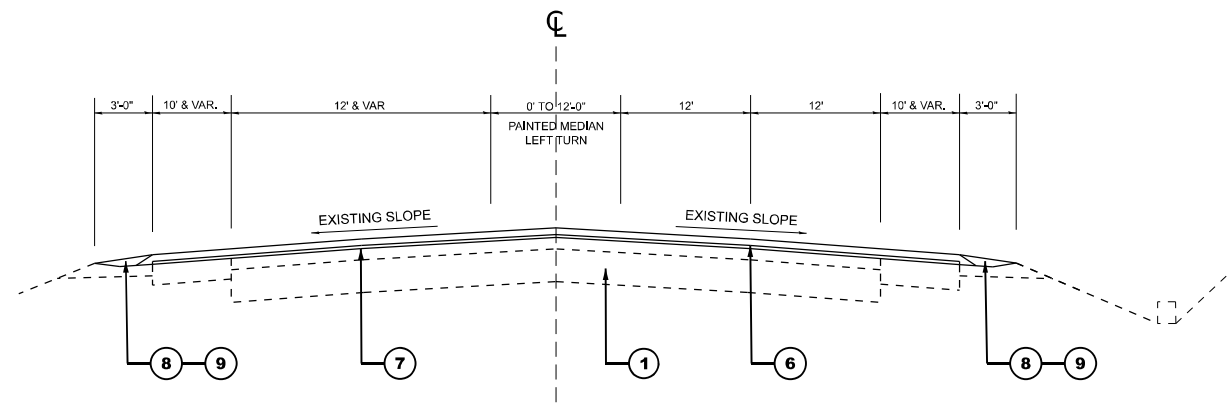
EXISTING TYPICAL SECTION

STA 16+45.99 - STA 21+29.47



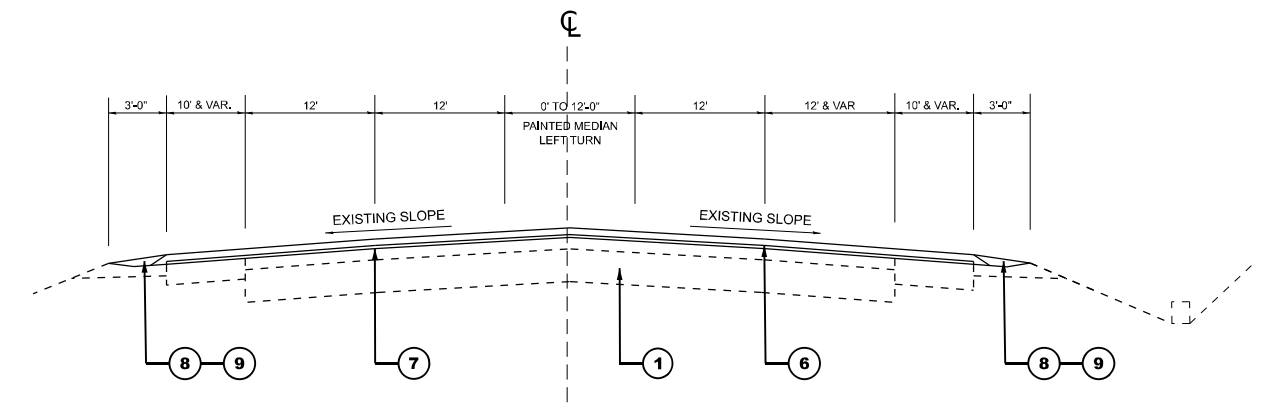
EXISTING TYPICAL SECTION

STA 21+29.47 - STA 58+22.2



PROPOSED TYPICAL SECTION

STA 16+45.99 - STA 21+29.47



PROPOSED TYPICAL SECTION

STA 21+29.47 - STA 58+22.2

LEGEND

- 1. EXISTING HMA OR P.C.C. PAVEMENT, 10"
- 2. EXISTING HMA SURFACE COURSE, ±6" (AFTER MILLING)
- 3. EXISTING HMA SHOULDER, 8"
- 4. EXISTING AGGREGATE SHOULDERS, 8"
- 5. PROPOSED HMA SURFACE REMOVAL, 2½"
- 6. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA 9.5, MIX "F", N80, 1¾"
- 7. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- 8. PROPOSED AGGREGATE SHOULDER, TYPE B
- 9. PROPOSED AGGREGATE WEDGE SHOULDER

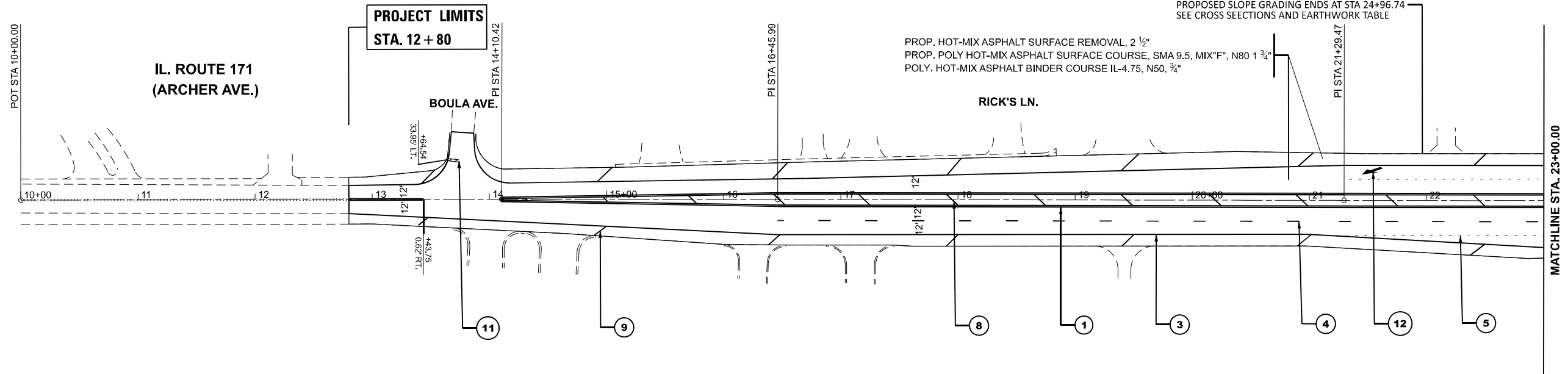
MODEL: TY 2 (Sheet)
FILE NAME: c:\p\work\project\illinois.gov\hanan.alghizi\illinois.gov\00686590\131518-sth-typical.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/25/2024	DATE -	REVISED -

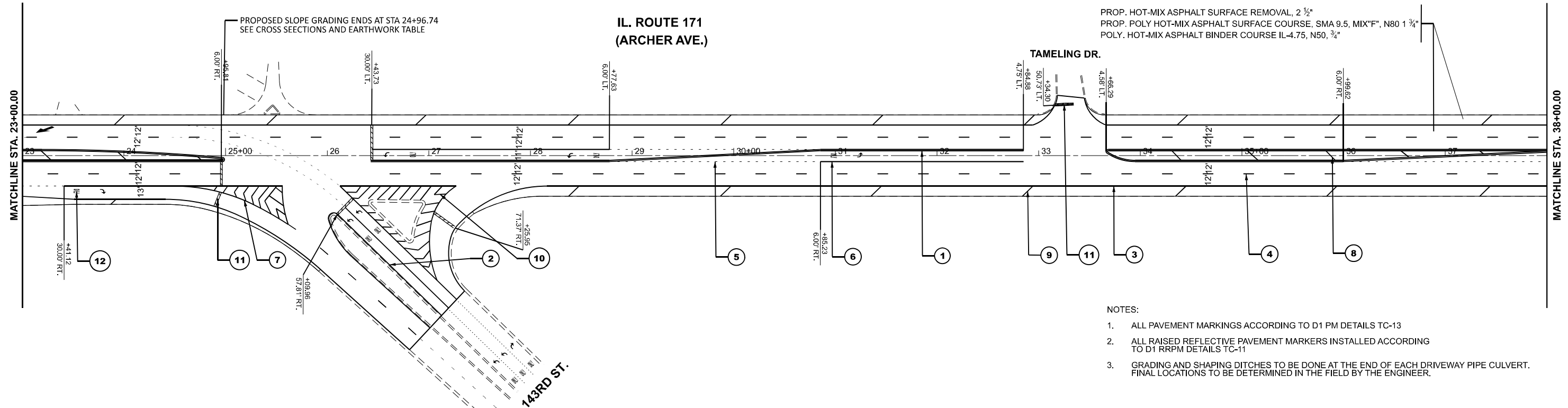
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS IL 171(ARCHER AVE)(BOULA AVE TO I-355)			
SCALE: NONE	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	7
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



- | | | | | | | | |
|---|--|---|--|---|--|----|---|
| 1 | PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE CENTERLINE, YELLOW 11" C-C (TYP.) | 4 | PROP. THERMOPLASTIC PVMT. MARKING 4", 10'DASH, 30'SKIP, WHITE (TYP.) | 7 | PROP. THERMOPLASTIC PVMT. MARKING 8", GORE MARKING LINE, WHITE (TYP.) | 10 | PROP. THERMOPLASTIC PVMT. MARKING 12", GORE LINES @ 45°, WHITE (TYP.) |
| 2 | PROP. THERMOPLASTIC PVMT. MARKING 4", EDGE CENTERLINE, YELLOW (TYP.) | 5 | PROP. THERMOPLASTIC PVMT. MARKING 6", 2' DASH, 6' SKIP, WHITE (TYP.) | 8 | PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONAL @45° MEDIAN LINE, YELLOW (TYP.) | 11 | PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.) |
| 3 | PROP. THERMOPLASTIC PVMT. MARKING 4", EDGE SHOULDER LINE, WHITE (TYP.) | 6 | PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.) | 9 | PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONAL @45° SHOULDER LINE, WHITE (TYP.) | 12 | PROP. THERMOPLASTIC PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |



- NOTES:
- ALL PAVEMENT MARKINGS ACCORDING TO D1 PM DETAILS TC-13
 - ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO D1 RRPV DETAILS TC-11
 - GRADING AND SHAPING DITCHES TO BE DONE AT THE END OF EACH DRIVEWAY PIPE CULVERT. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

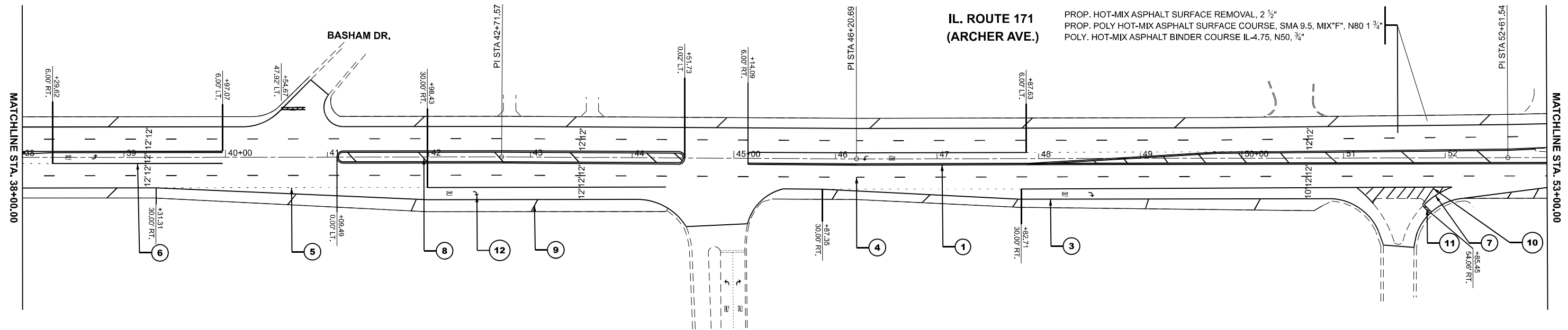
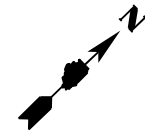
MODEL: IL 171 - Plan01 (Sheet)
 FILE NAME: c:\p\work\pav\illinois.gov\0966833\131518-shp-plan.dgn

USER NAME = Hanan.Alghez	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

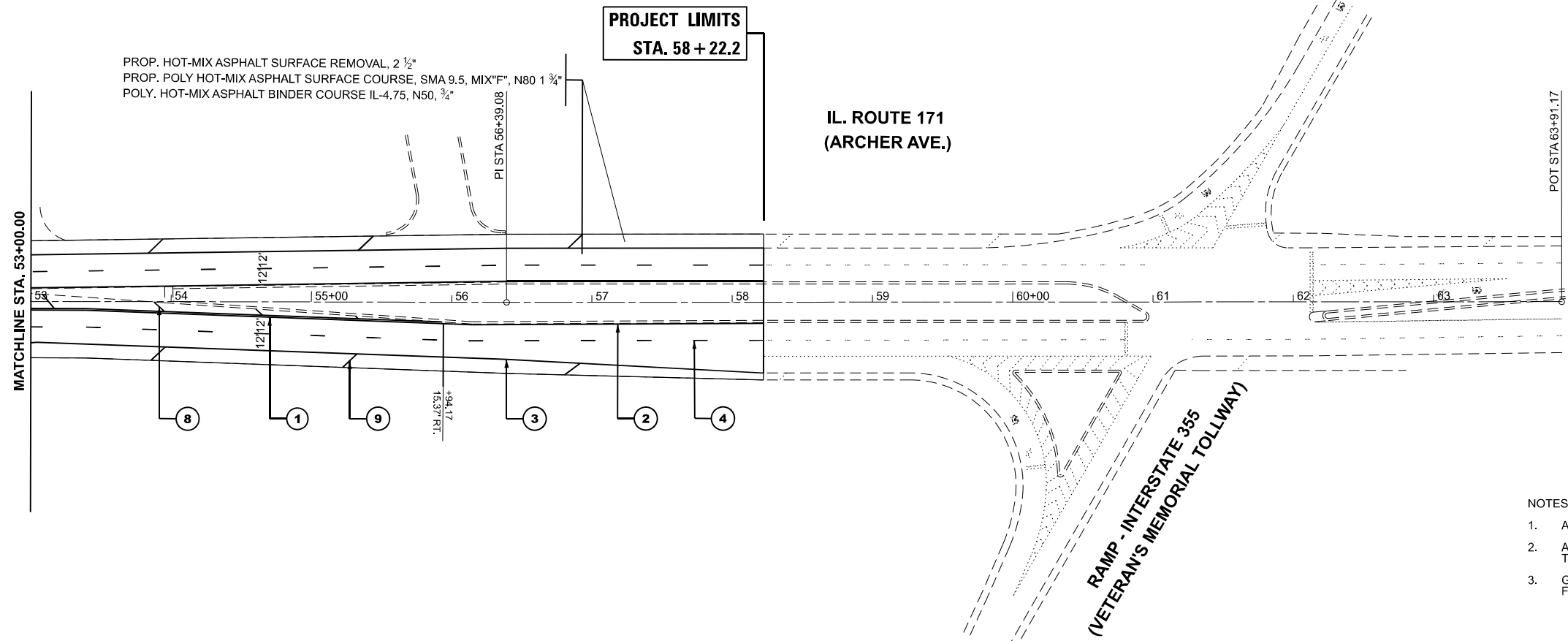
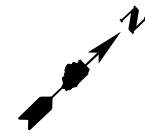
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
IL 171(ARCHER AVE)(BOULA AVE TO I-355)			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 10+00.00 TO STA. 38+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	8
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



① PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE CENTERLINE, YELLOW 11" C-C (TYP.)	④ PROP. THERMOPLASTIC PVMT. MARKING 4", 10'DASH, 30'SKIP, WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PVMT. MARKING 8", GORE MARKING LINE, WHITE (TYP.)	⑩ PROP. THERMOPLASTIC PVMT. MARKING 12", GORE LINES @ 45°, WHITE (TYP.)
② PROP. THERMOPLASTIC PVMT. MARKING 4", EDGE CENTERLINE, YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' DASH, 6' SKIP, WHITE (TYP.)	⑧ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONAL @45° MEDIAN LINE, YELLOW (TYP.)	⑪ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)
③ PROP. THERMOPLASTIC PVMT. MARKING 4", EDGE SHOULDER LINE, WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)	⑨ PROP. THERMOPLASTIC PVMT. MARKING 12" DIAGONAL @45° SHOULDER LINE, WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)



NOTES:

- ALL PAVEMENT MARKINGS ACCORDING TO D1 PM DETAILS TC-13
- ALL RAISED REFLECTIVE PAVEMENT MARKERS INSTALLED ACCORDING TO D1 RRPV DETAILS TC-11
- GRADING AND SHAPING DITCHES TO BE DONE AT THE END OF EACH DRIVEWAY PIPE CULVERT. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

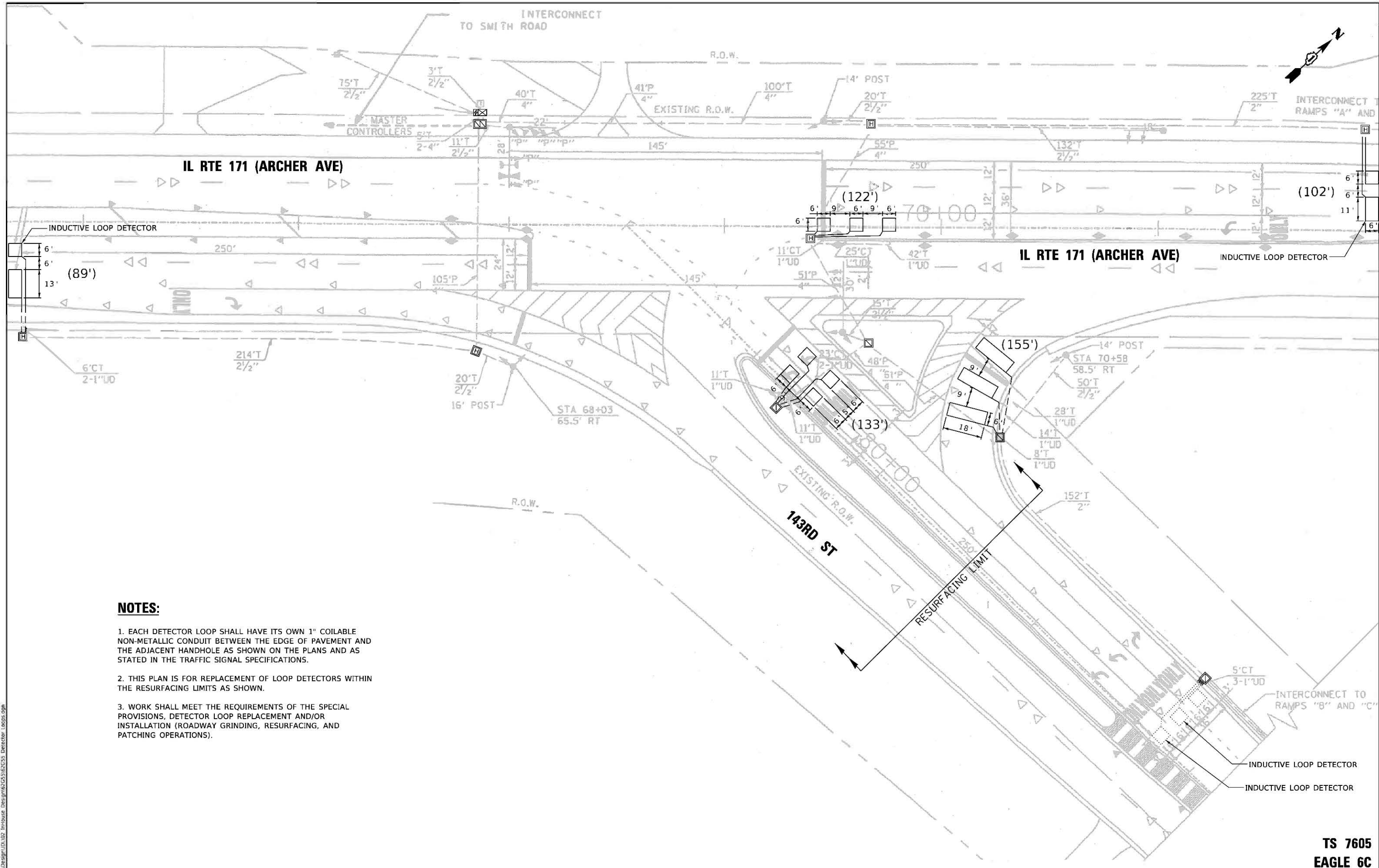
MODEL: IL 171 - Plan03 (Sheet)
 FILE NAME: c:\pwworkspace\illinois.gov\hanan.alghizi\131518-shr-plan.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN		
IL 171(ARCHER AVE)(BOULA AVE TO I-355)		
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS	STA. 38+00.00 TO STA. 68+91.17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	9
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.
3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

MODEL: Default
 FILE NAME: S:\P\Design\143RD Interconnect\Design\625162553_Detector Loops.dgn

USER NAME = Jakob Larson	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/12/2024	DATE = 9/12/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

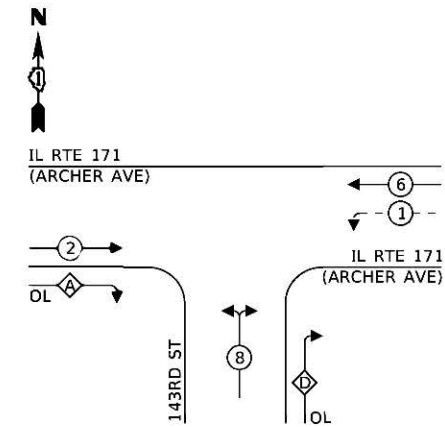
**DETECTOR LOOP REPLACEMENT PLAN
 IL 171 (ARCHER AVE) AND 143RD ST**

SCALE: SHEET OF SHEETS STA. TO STA.

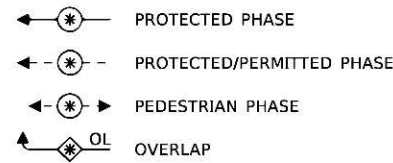
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-R5-SW	WILL	26	10
			CONTRACT NO. 62G55	
ILLINOIS FFD. AID PROJECT				

**TS 7605
 EAGLE 6C**

EXISTING CONTROLLER SEQUENCE



LEGEND:

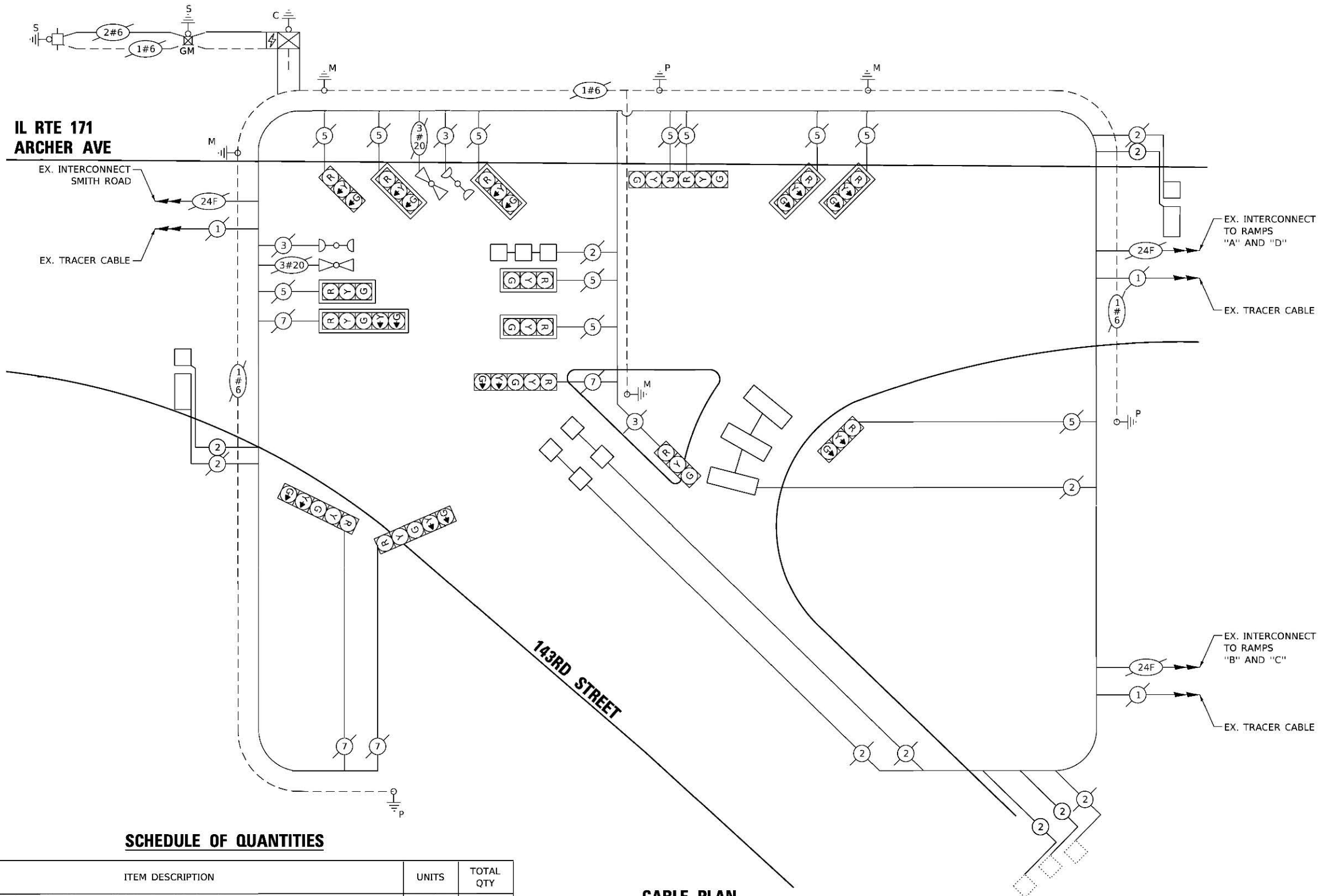
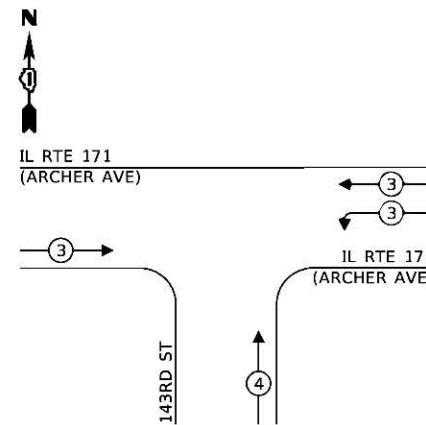


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 8
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				319.4

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: **COMMONWEALTH EDISON**
 ACCOUNT NUMBER: _____

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2139
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	601

CABLE PLAN

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
 IL 171 (ARCHER AVE) AND 143RD ST**

F.A.P. RTE. 577	SECTION 2018-036-RS-SW	COUNTY WILL	TOTAL SHEETS 26	SHEET NO. 11
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				

**TS 7605
 EAGLE 6C**

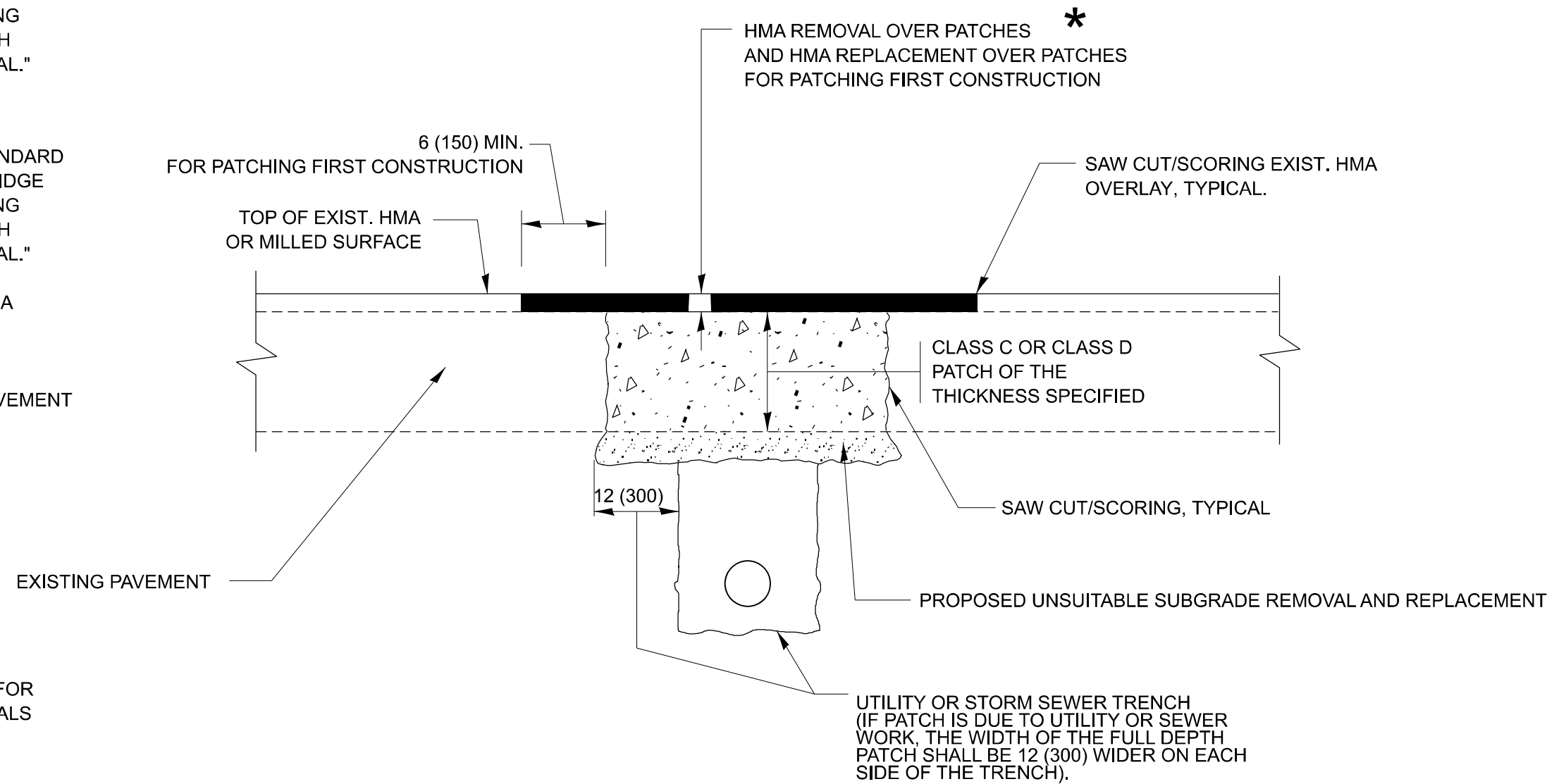
MODEL: Default
 FILE NAME: S:\WP\Design\1007_ Inhouse_Design\62G55\62G55_Planets.dwg
 Lamps.dwg

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: BD-22 Dist. Standards (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_hanan.alghizi@illinois.gov_09686590\131518-shp-DistStandards.dgn

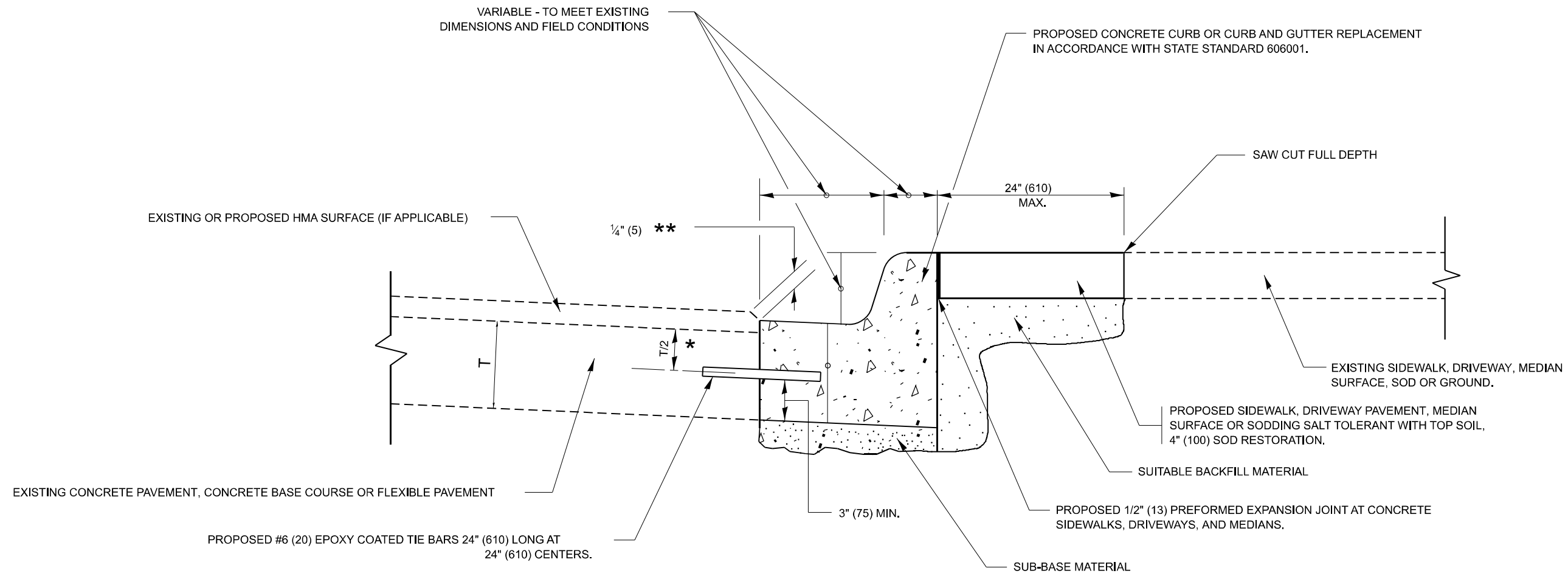
USER NAME = Hanan.Alghizi	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED - R. BORO 09-04-07
PLOT DATE = 12/12/2024	CHECKED -	REVISED - K. ENG 10-27-08
	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	12
BD400-04 (BD-22)			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

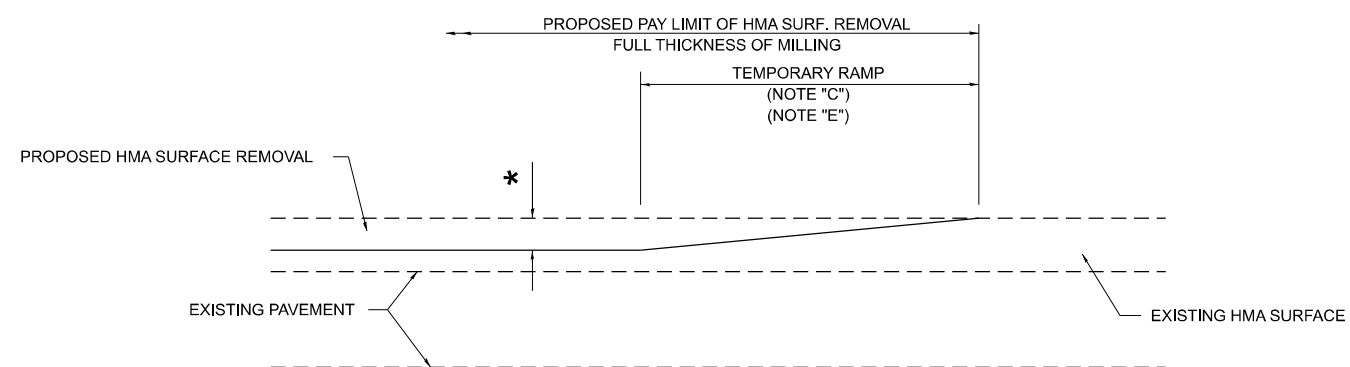
MODEL: BD-24 Dist. Standards (Sheet)
FILE NAME: c:\p\work\wv\illinois.gov_hanan.alghizi@illinois.gov_hanan.alghizi\131518-sth-DistStand.dgn

USER NAME = Hanan.Alghizi	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 11/25/2024	CHECKED -	REVISED - R. BORO 12-15-09
	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

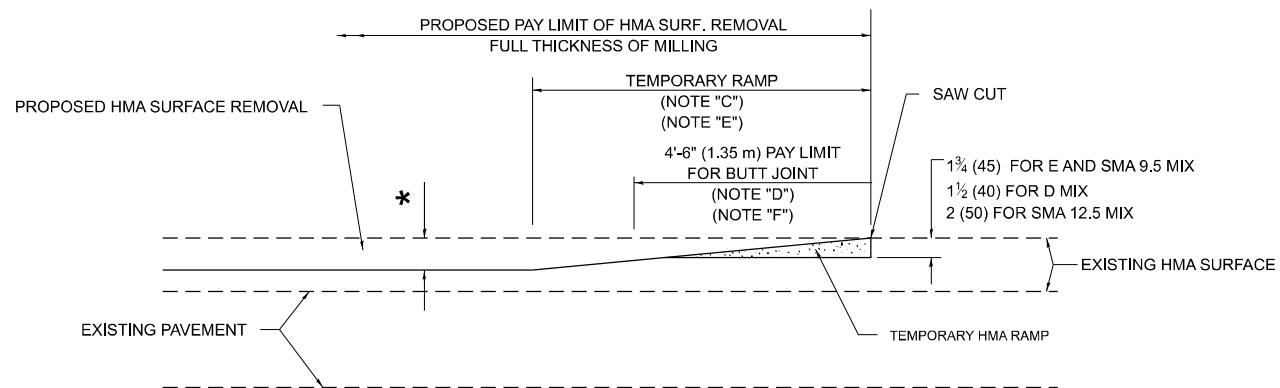
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	13
BD600-06 (BD-24)			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

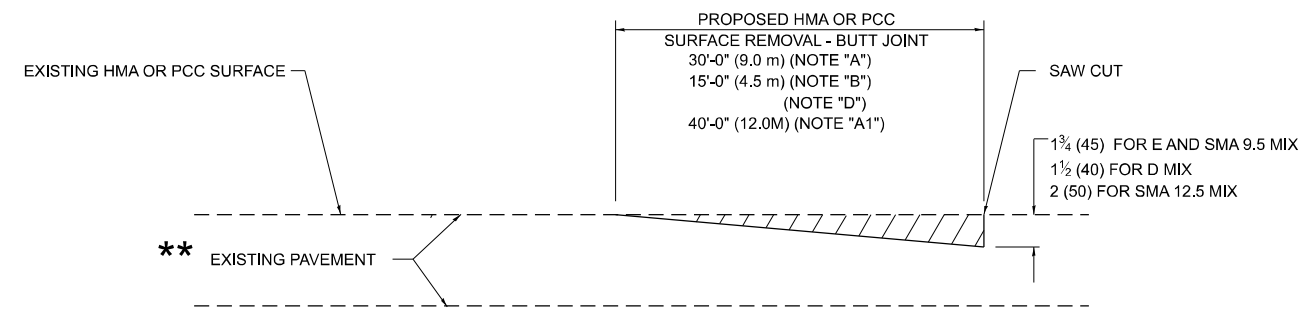


HMA CONSTRUCTED TEMPORARY RAMP

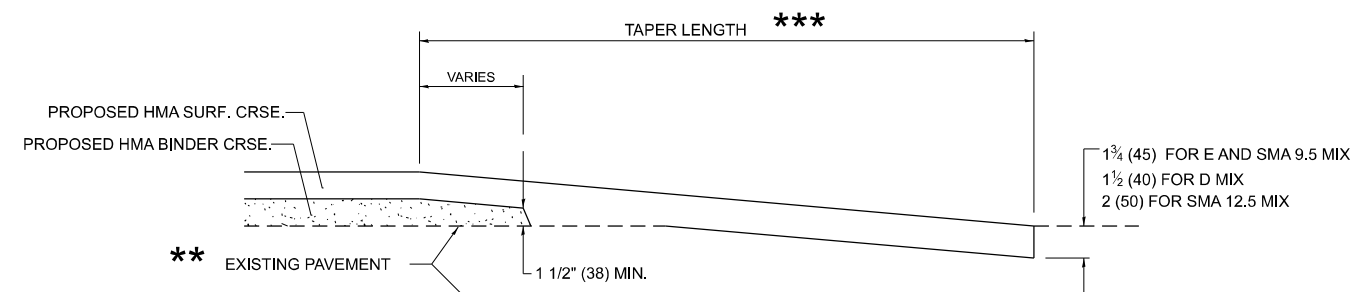
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

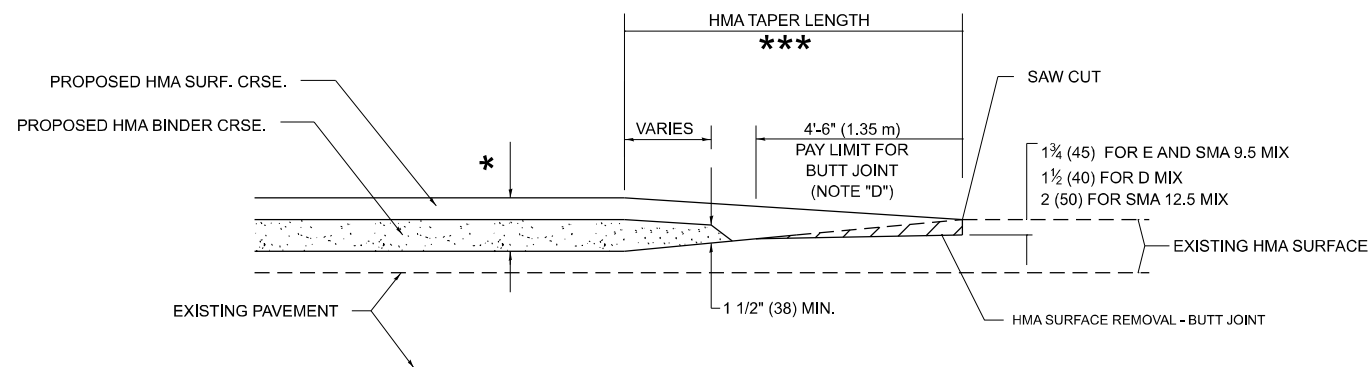
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: BD-32 Dist. Standards (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_hanan.alghizi@illinois.gov_hanan.alghizi@illinois.gov

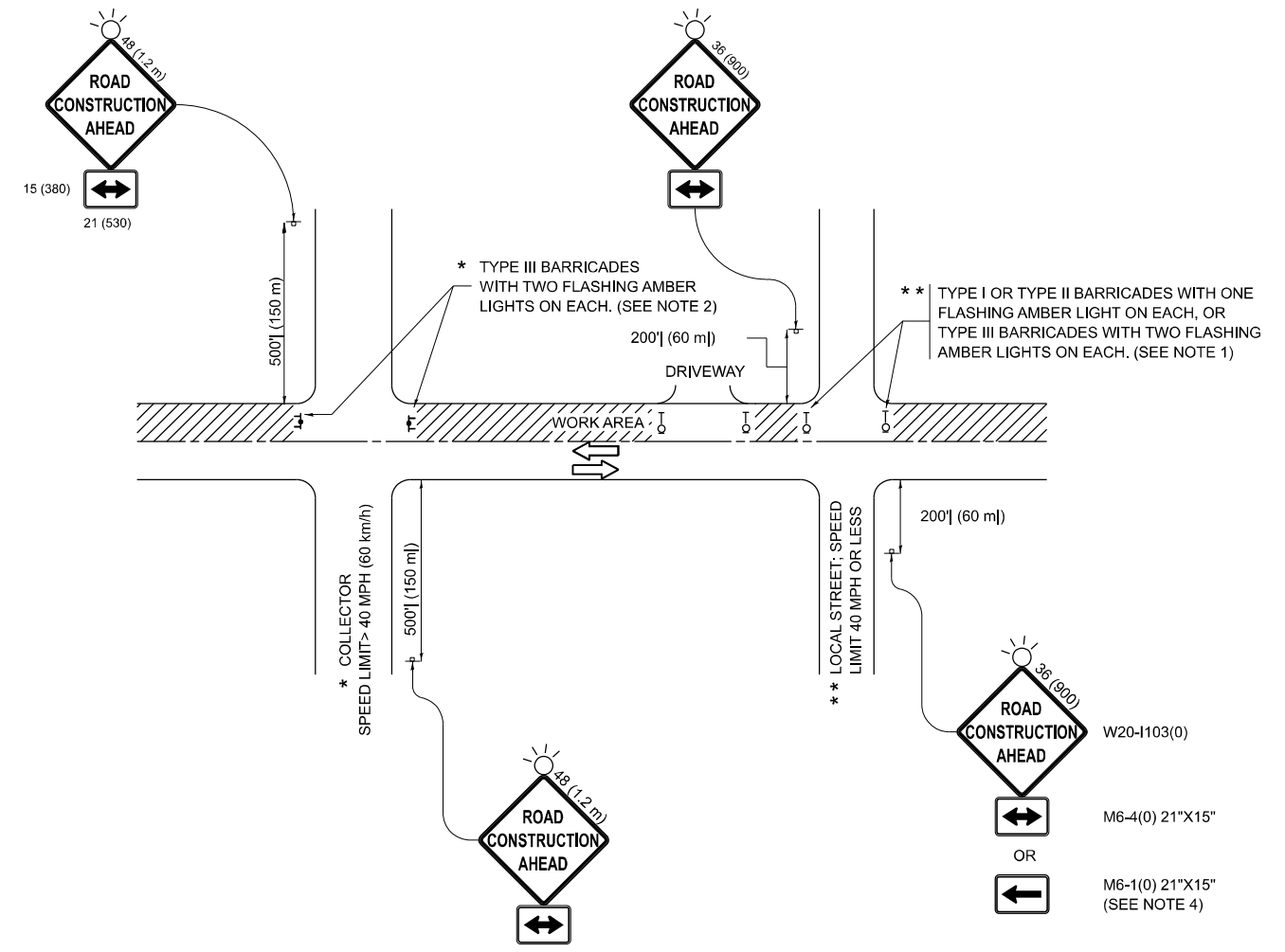
USER NAME = Hanan.Alghizi	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 12/12/2024	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	14
BD400-05 BD-32		CONTRACT NO. 62G55		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-10 Dist. Standards [Sheet]
FILE NAME: c:\p\work\w201103\illinois.gov\hanan.alghizi@illinois.gov\hanan.alghizi\0906859\0131518-sth-Dist-Stds.dgn

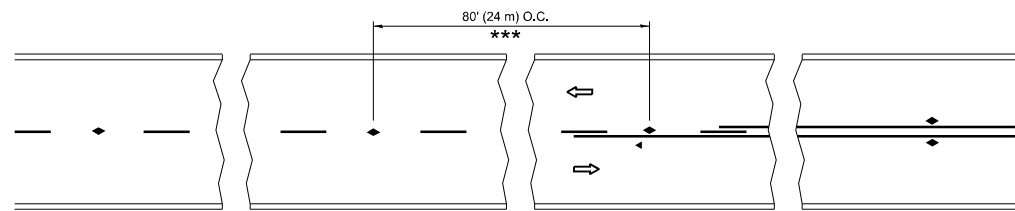
USER NAME = Hanan.Alghizi	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 0.16666833" / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 12/12/2024	DATE - 06-89	REVISED - A. SCHUETZE 09-15-06
		REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

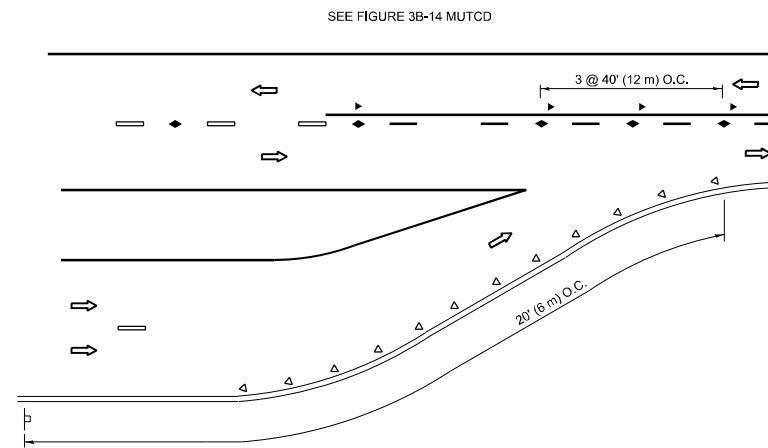
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	15
TC-10			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				

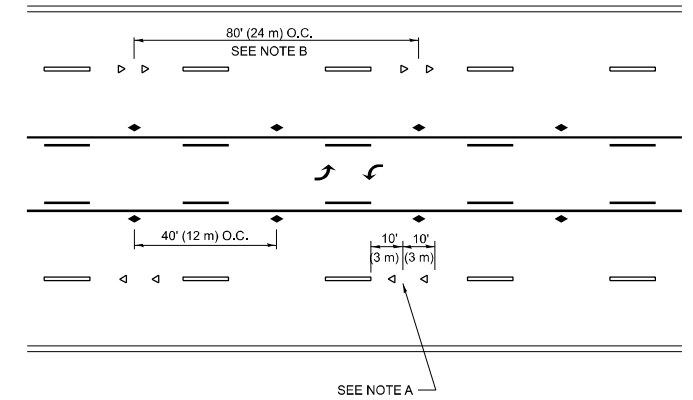


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

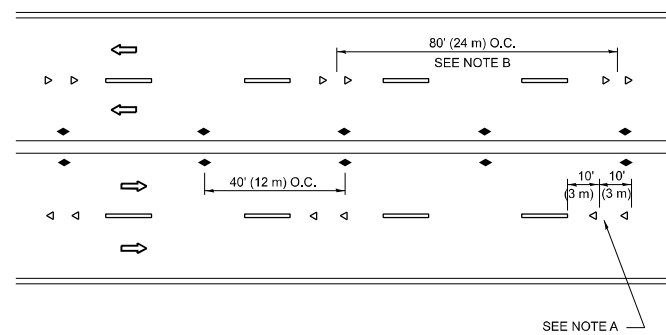
TWO-LANE/TWO-WAY



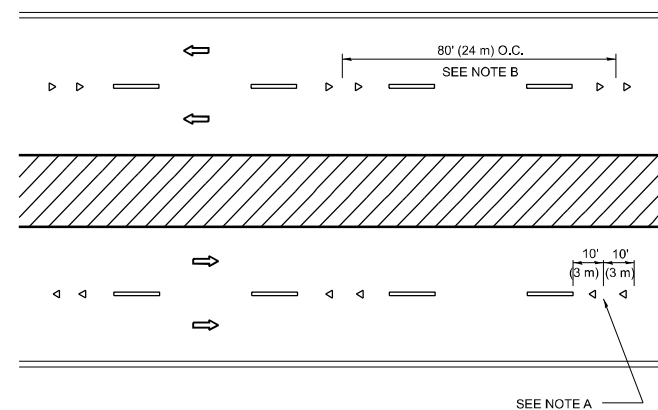
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

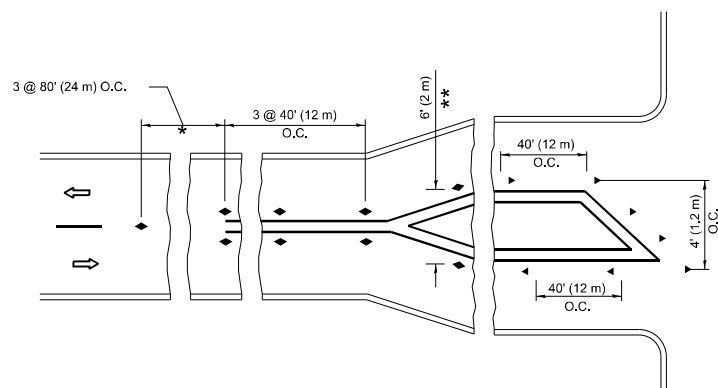
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

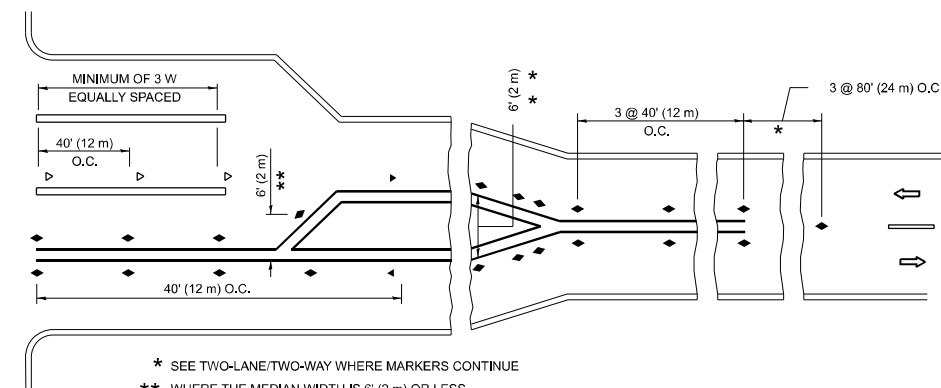
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-11 Dist. Standards (Sheet)
 FILE NAME: c:\p\work\pav\illinois.gov_hanan.alghizi@illinois.gov_2018-03-15-18-shh-DistStds.dgn

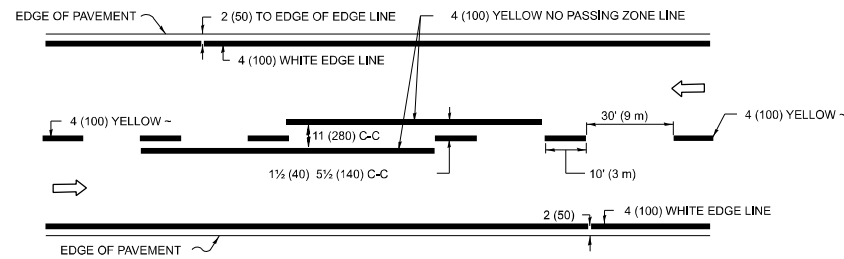
USER NAME = Hanan.Alghizi	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 12/12/2024	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

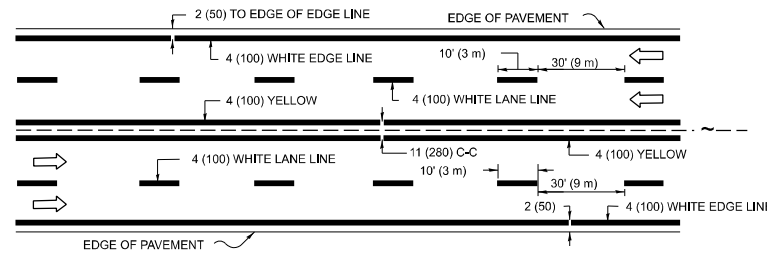
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

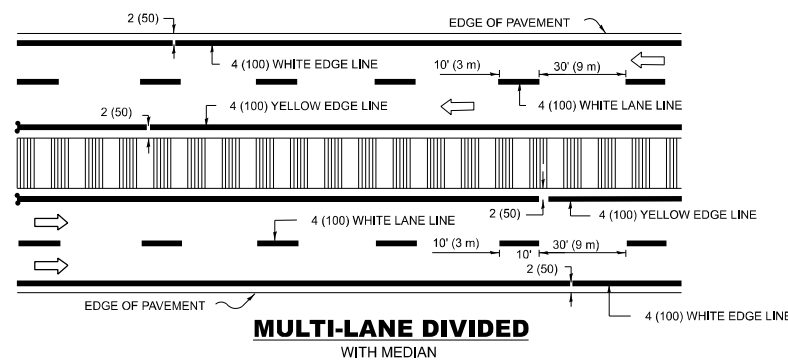
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	16
TC-11			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

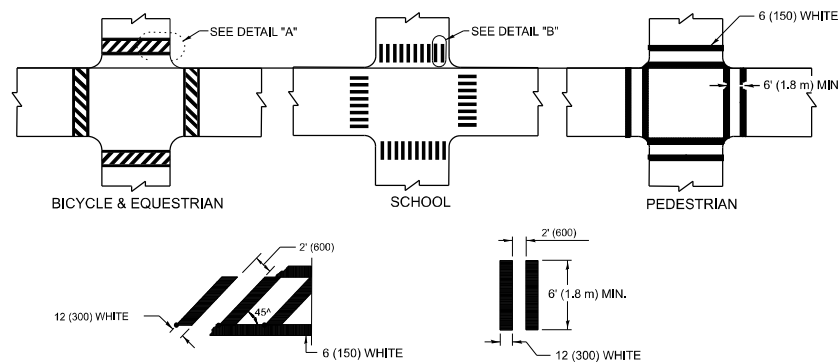


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

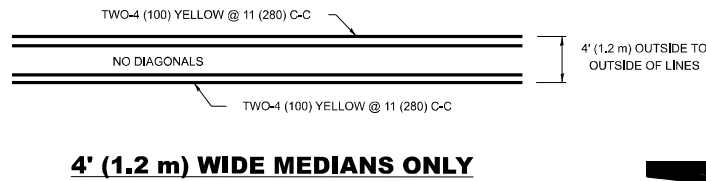


DETAIL "A"

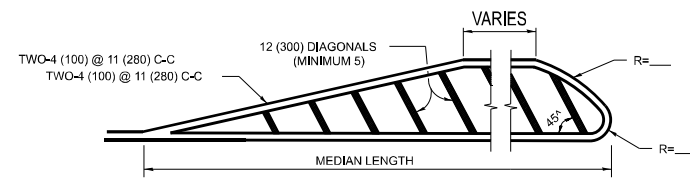
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

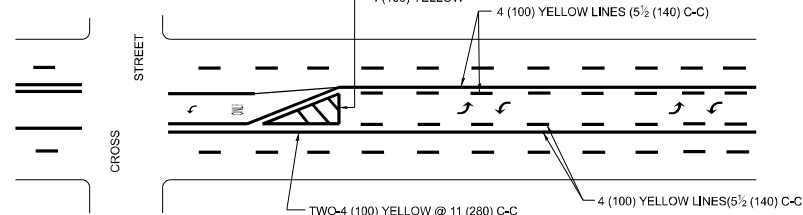


4' (1.2 m) WIDE MEDIANS ONLY



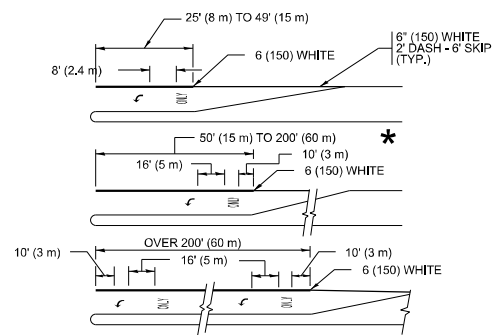
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

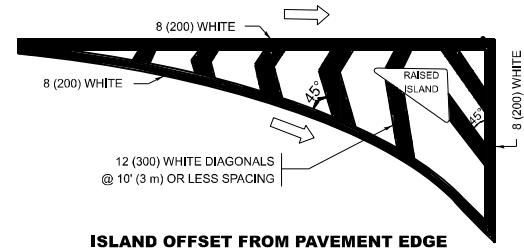


TYPICAL LEFT (OR RIGHT) TURN LANE

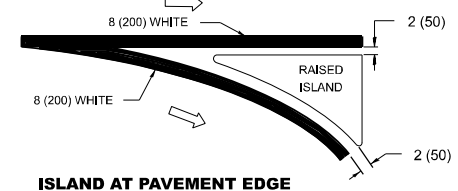
TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

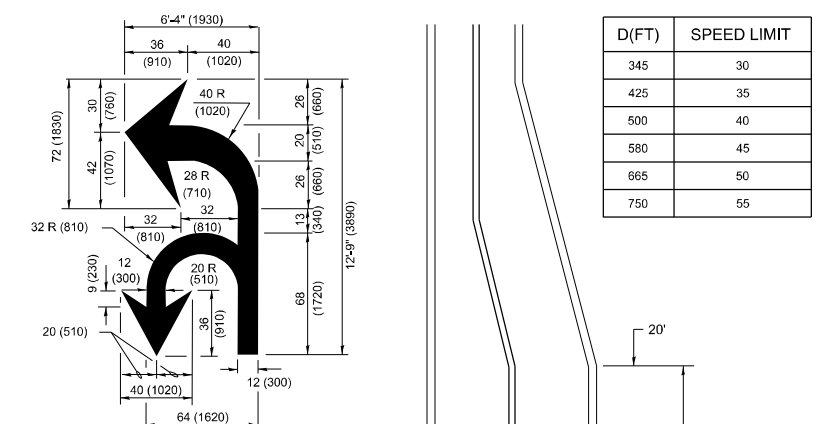


ISLAND OFFSET FROM PAVEMENT EDGE

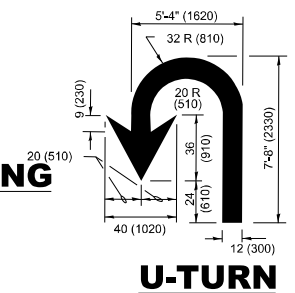


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE-FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL.
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-13 Dist. Standards (Sheet)
FILE NAME: c:\p\work\illinois\gov\096859\0131518-shp-DistStandards.dgn

USER NAME = Hanan.Alghizi	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	REVISOR - C. JUCIUS 07-01-13	
PLOT SCALE = 0.16666633 / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 12/12/2024	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	17
TC-13		CONTRACT NO. 62G55		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

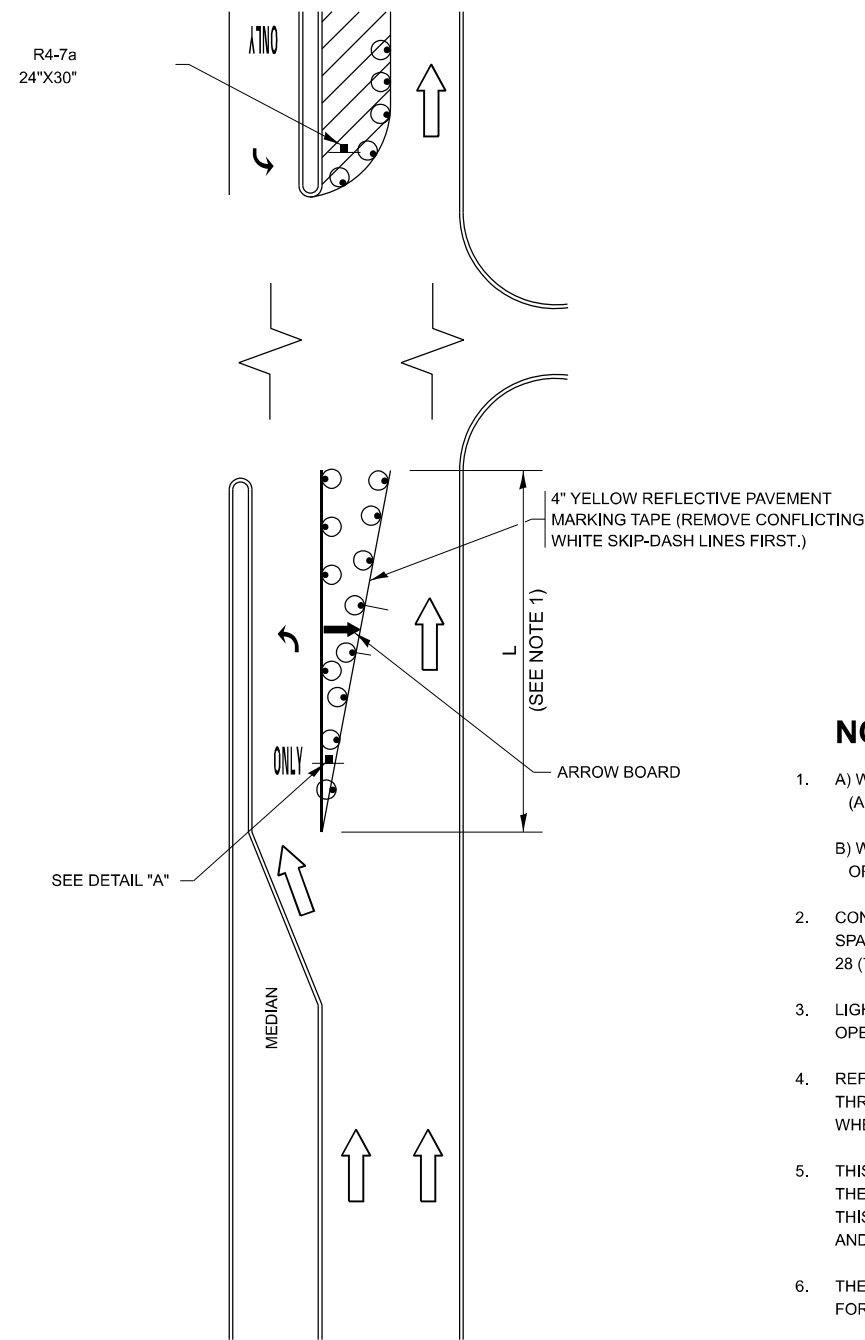
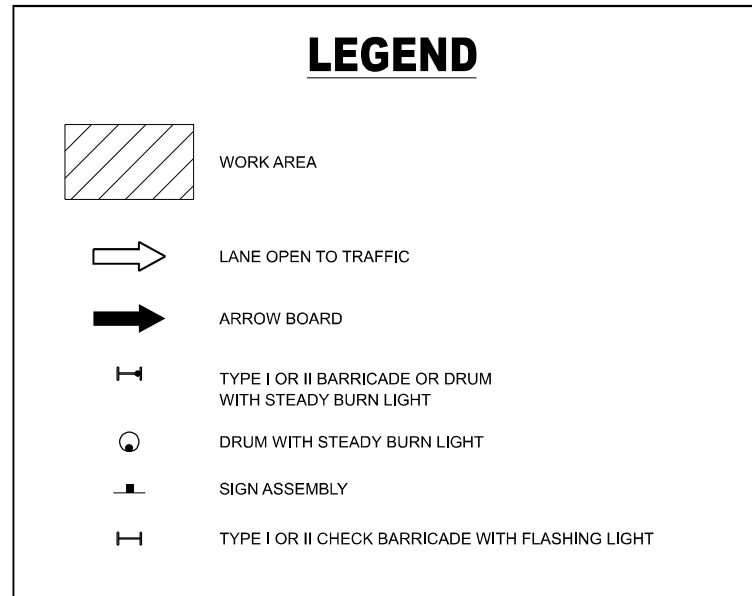


FIGURE 1

LEGEND



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

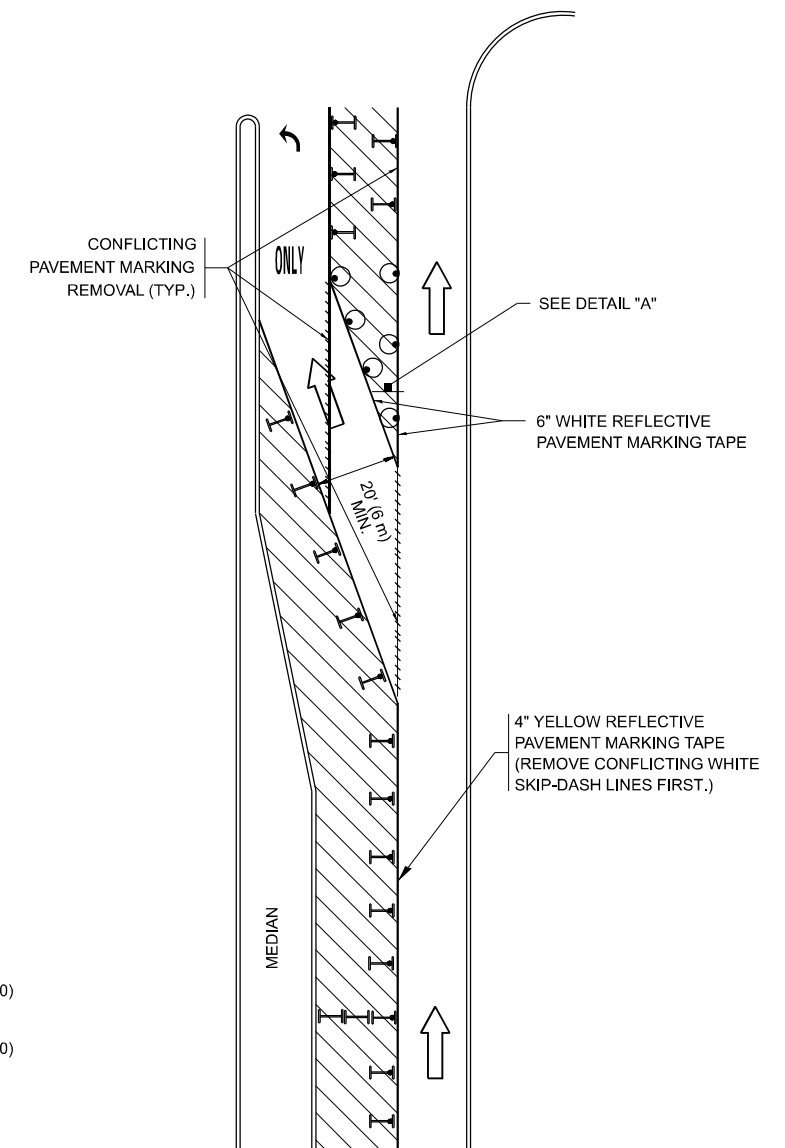
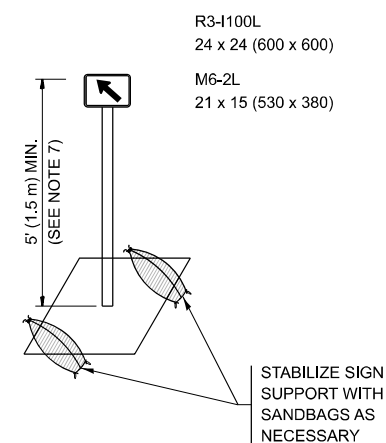


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-14 Dist. Standards (Sheet)
FILE NAME: c:\p\work\wkt\illinois.gov_hanan.alghizi\illinois.gov_hanan.alghizi\131518-sth-DistStandards.dgn

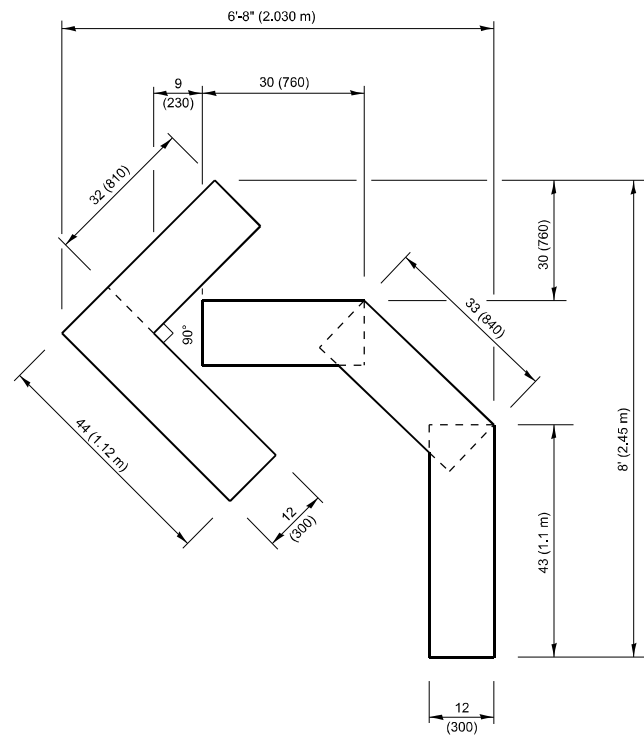
USER NAME = Hanan.Alghizi	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.16666633' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/12/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

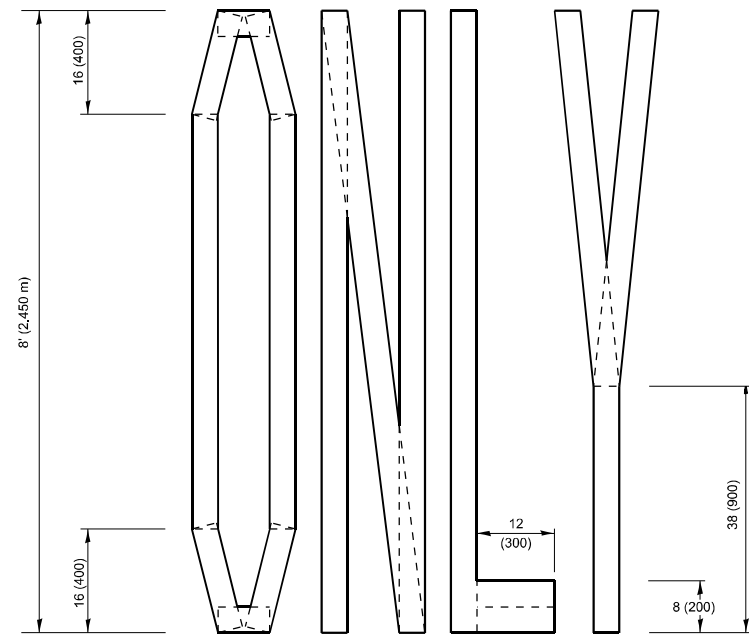
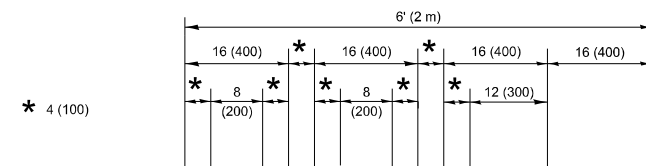
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	18
TC-14			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				



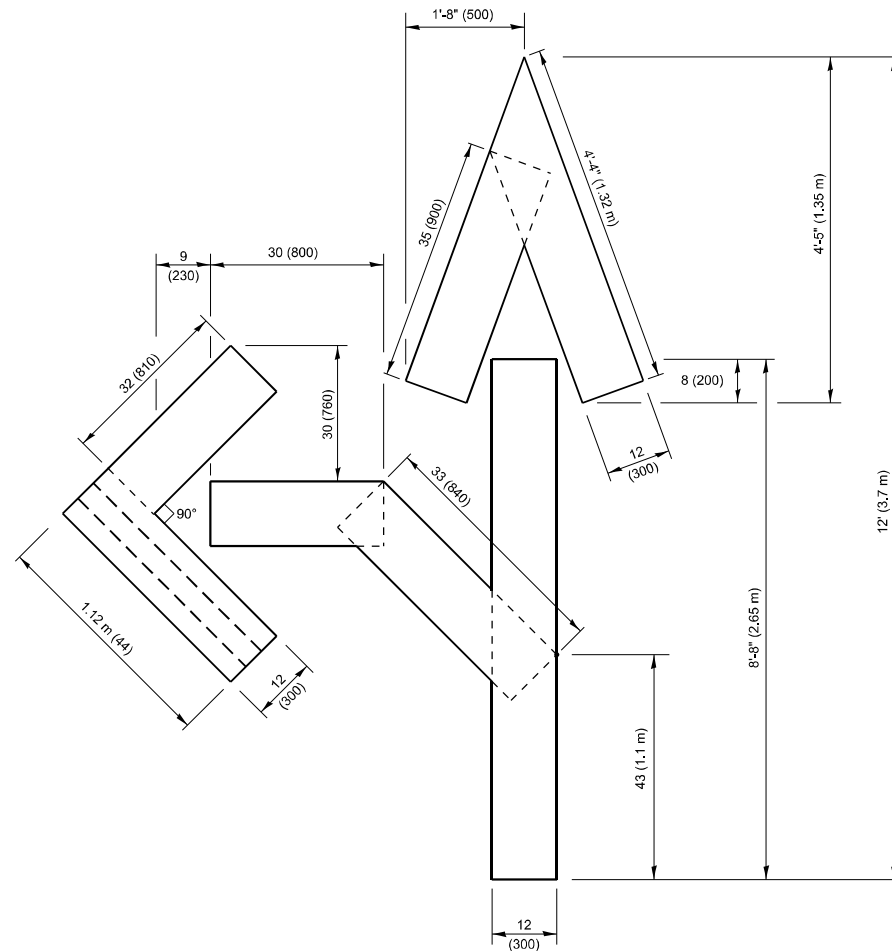
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

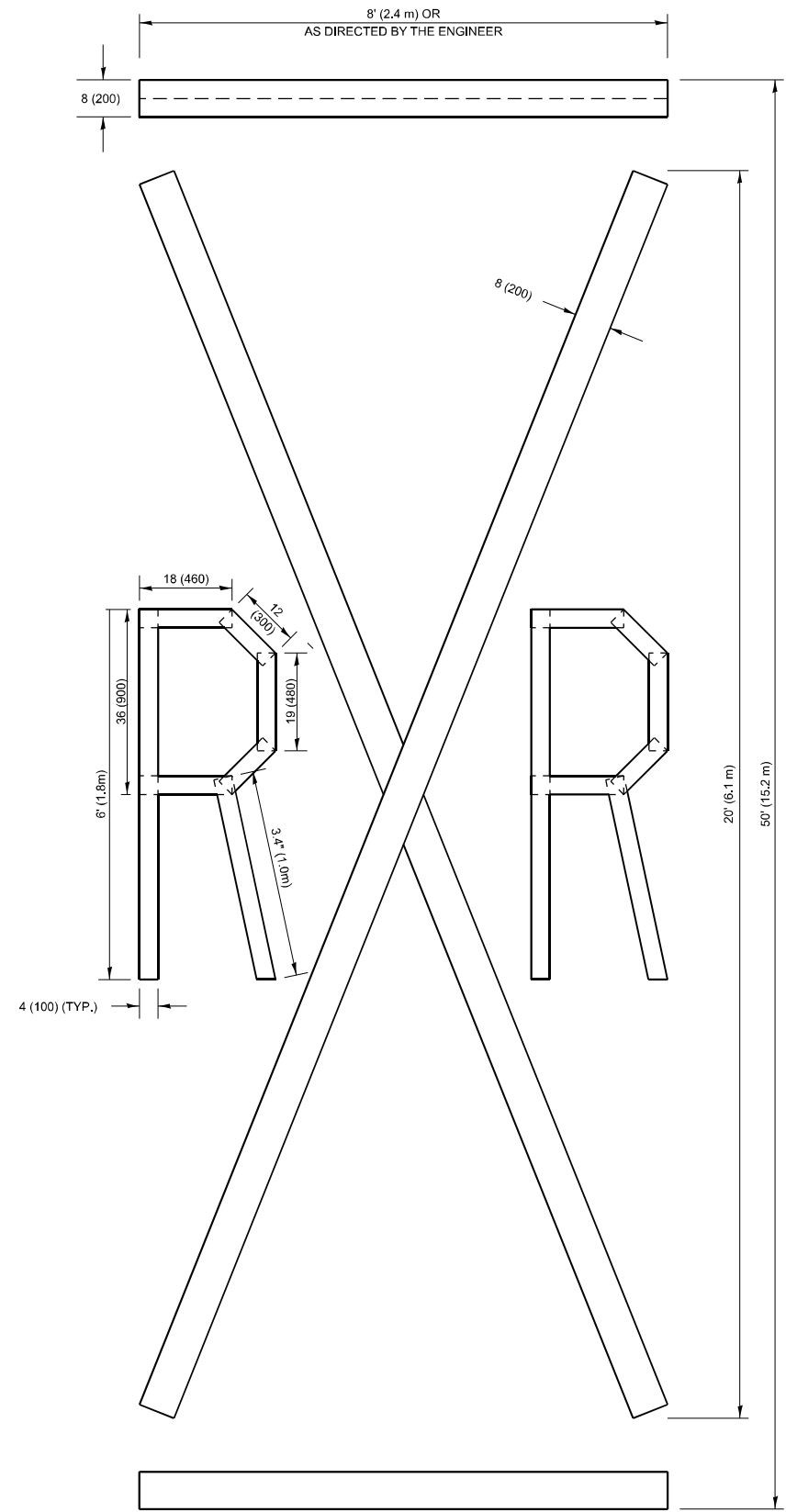


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-16 Dist. Standards (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_hanan.alghizi@illinois.gov_00568590\131518-shr-DistStd.sgm

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 0.16666633 / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/12/2024	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

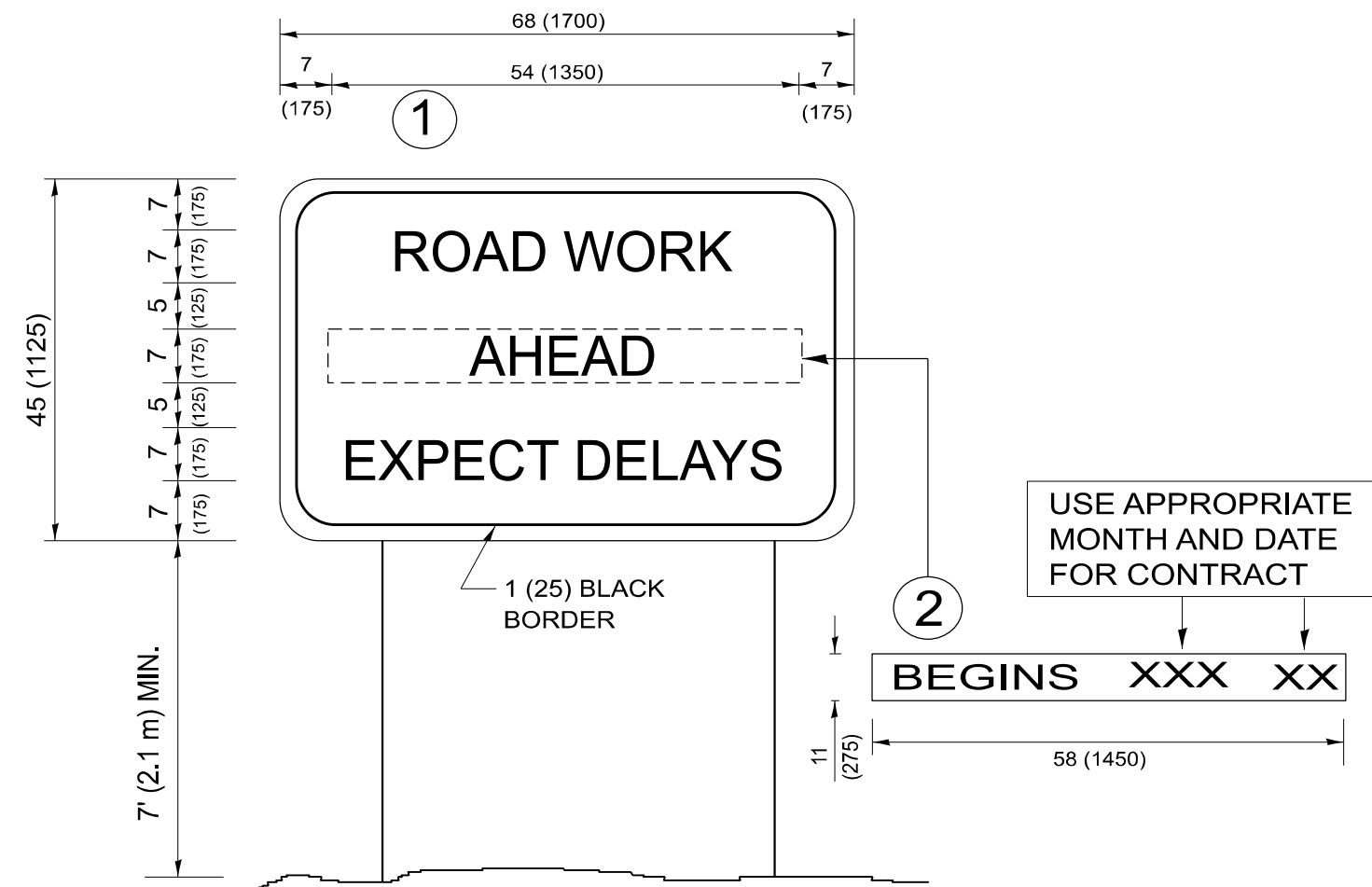
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	19
TC-16		CONTRACT NO. 62G55		
ILLINOIS FED. AID PROJECT				

MODEL: TC-22 Dist. Standards (Sheet)
 FILE NAME: c:\p\work\work\illinois.gov_hanan.alghizi@illinois.gov_hanan.alghizi\131518-sth-Dist-Stds.dgn

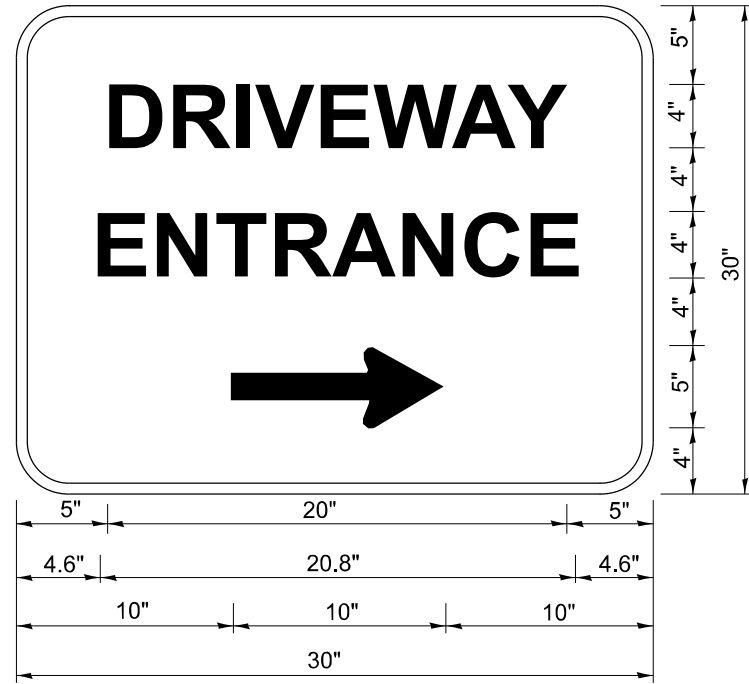


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
 UNLESS OTHERWISE SHOWN.

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	577	2018-036-RS-SW	WILL	26 20
PLOT DATE = 12/12/2024	CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22		CONTRACT NO. 62G55			
	DATE -	REVISED - C. JUCIUS 01-31-07					ILLINOIS FED. AID PROJECT					



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: TC-26 Dist. Standards [Sheet]
 FILE NAME: c:\p\work\pwrto\illinois.gov_hanan.alghizi@illinois.gov_00568590\131518-sht-DistStd.sgm

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

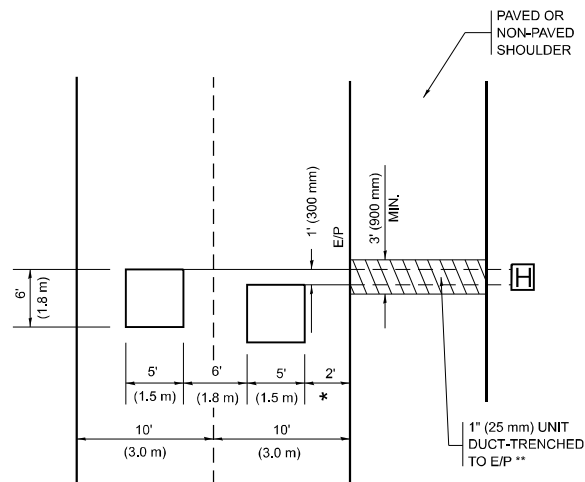
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	21
TC-26			CONTRACT NO. 62G55	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



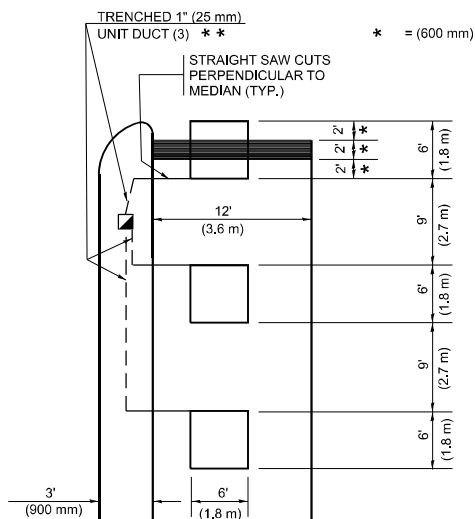
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



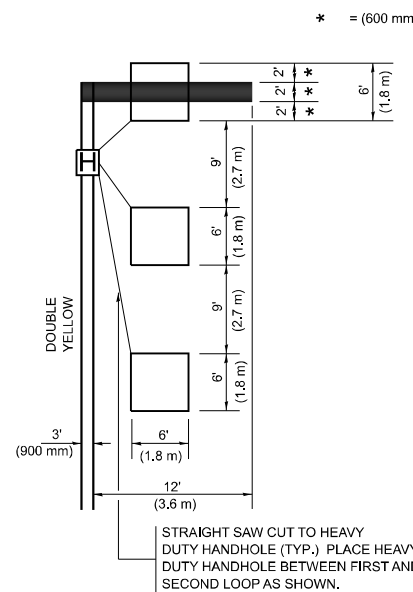
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

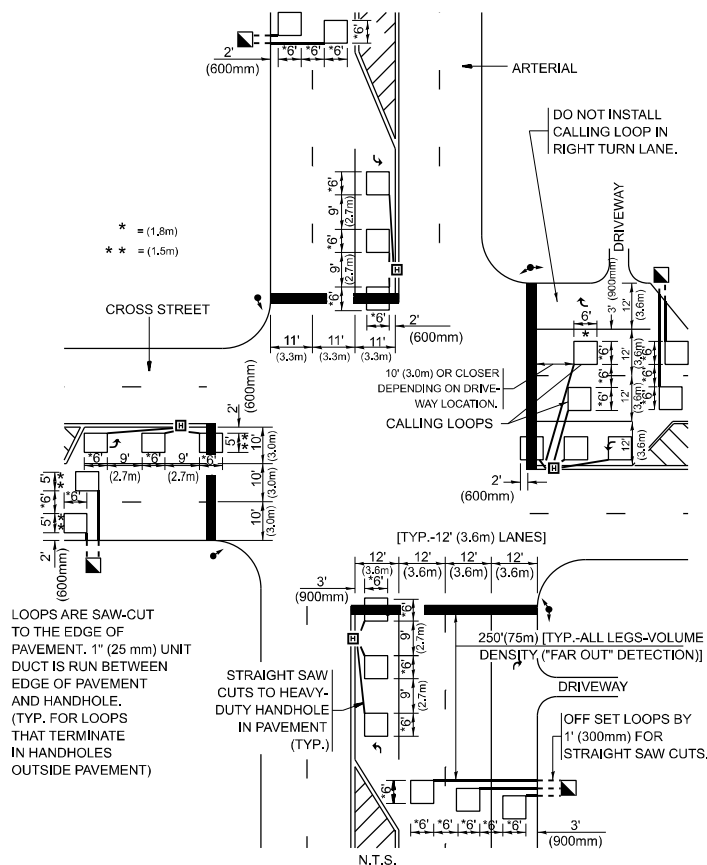
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



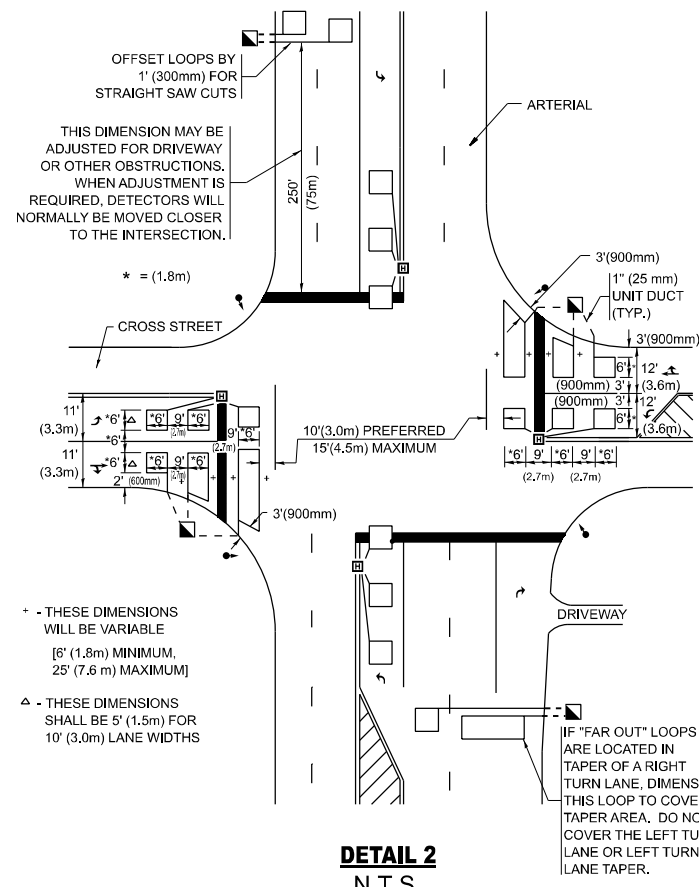
* = (1.8m)
** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



* - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
N.T.S.

MODEL: TS-07 Dist Standards (Sheet)
FILE NAME: c:\p\work\w2011\ilinois.gov\hanan.alghizi\ilinois.gov\0968659\0131518-shh-DistStand.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
PLOT SCALE = 0.16666833 / in.	DRAWN -	REVISED -
PLOT DATE = 12/12/2024	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

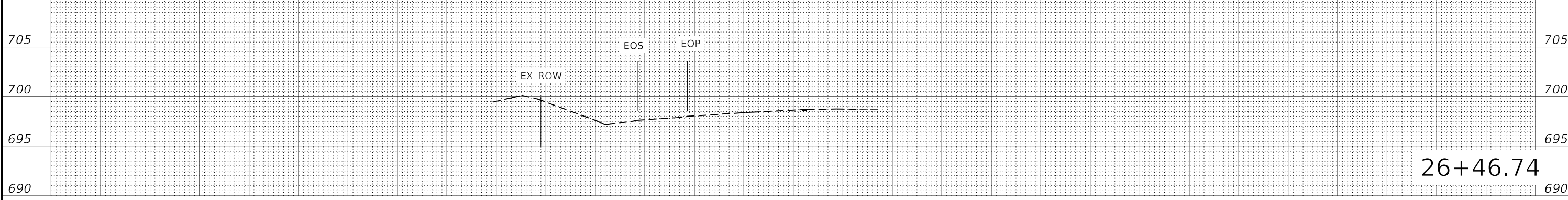
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	22
TS-07		CONTRACT NO. 62G55		
ILLINOIS FED. AID PROJECT				

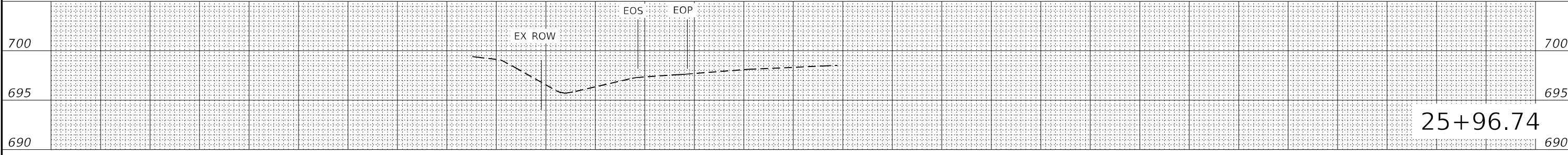
710 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 710



26+46.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

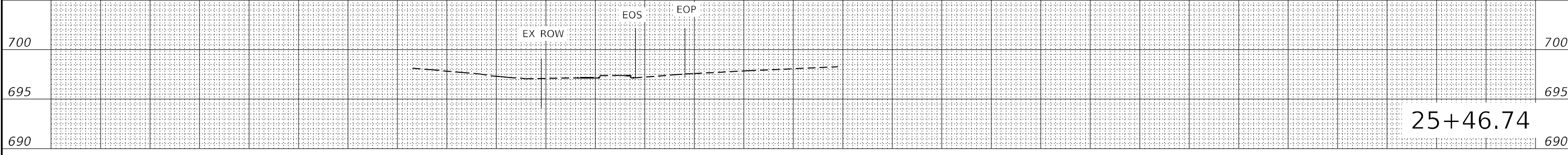
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



25+96.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

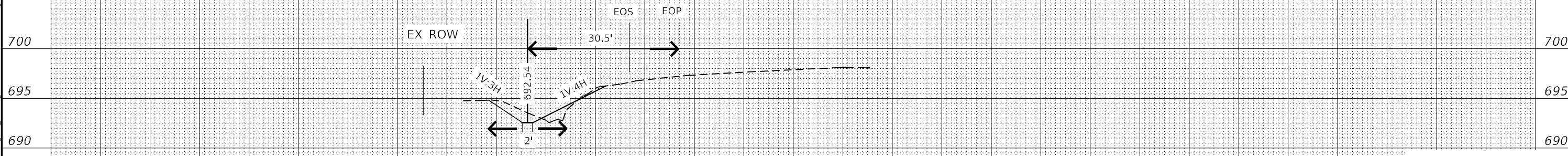
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



25+46.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



24+96.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

700 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 700

695 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 695

690 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 690

685 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 685

MODEL: Untitled2 (Sheet)
FILE NAME: c:\p\work\171\171-Design\Scratch.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

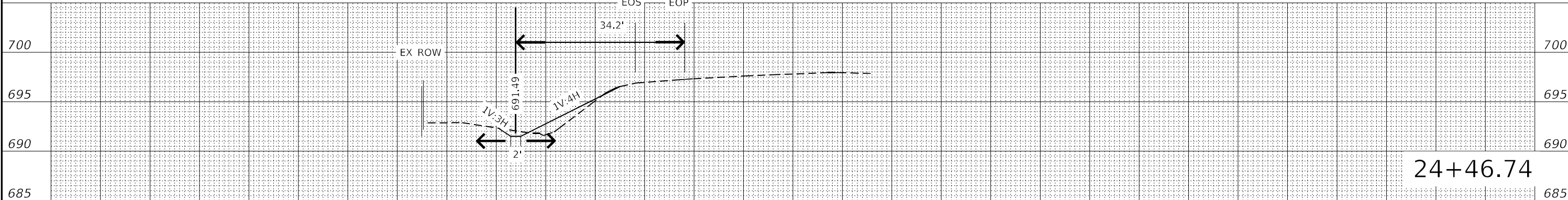
**ROADWAY PROFILE
IL 171 (ARCHER AVE) AT 143RD ST**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	23
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



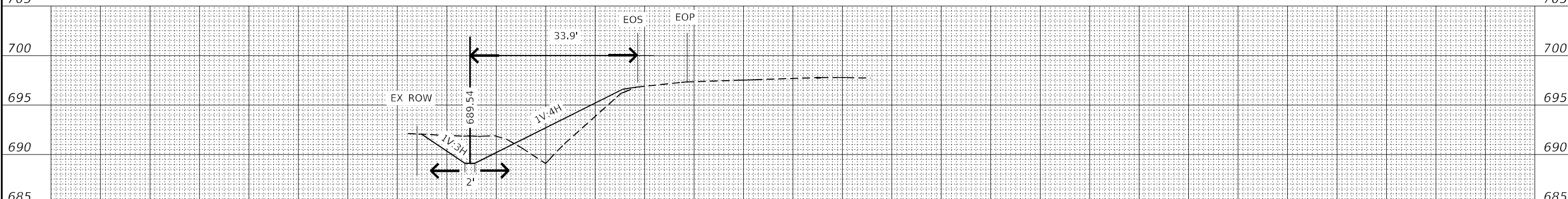
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



24+46.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

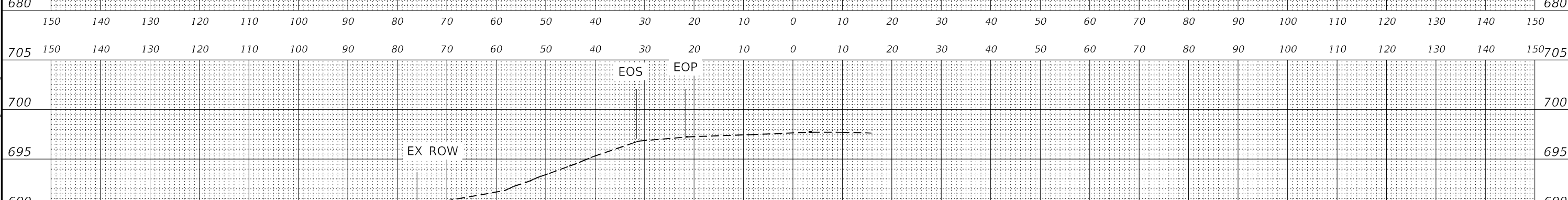
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



23+96.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



23+46.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705

MODEL: Unlited-3 [Sheet]
FILE NAME: c:\p\work\wv\illinois.gov_hanan_alghizi\illinois.gov\0568541\0131518-Design\Scratch.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

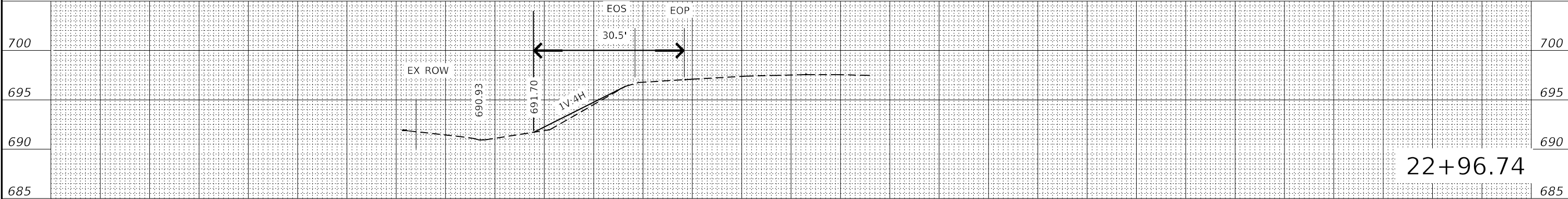
**ROADWAY PROFILE
IL 171 (ARCHER AVE) AT 143RD ST**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	24
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				



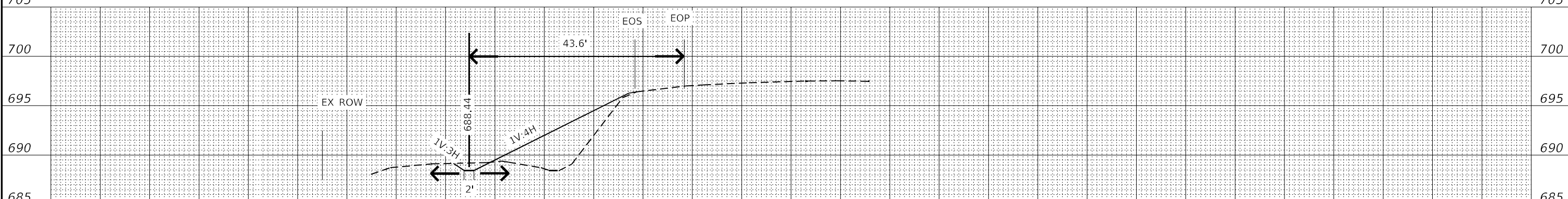
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



22+96.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

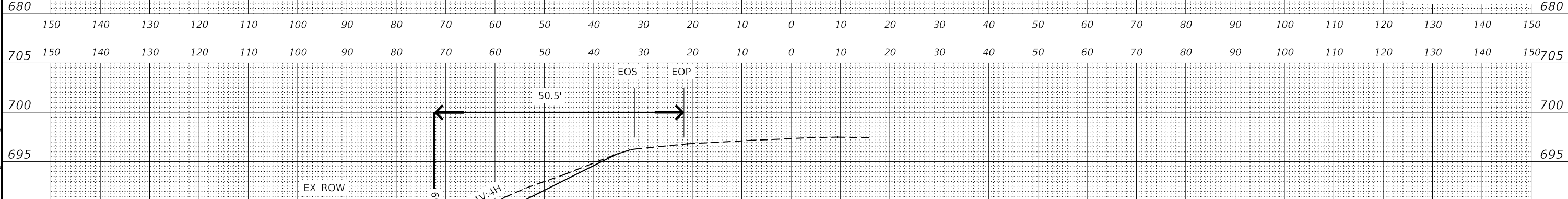
705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



22+46.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



21+96.74

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705

MODEL: Untitled-4 [Sheet]
FILE NAME: c:\p\work\171\171-Design\Scratch.dgn

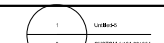
USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

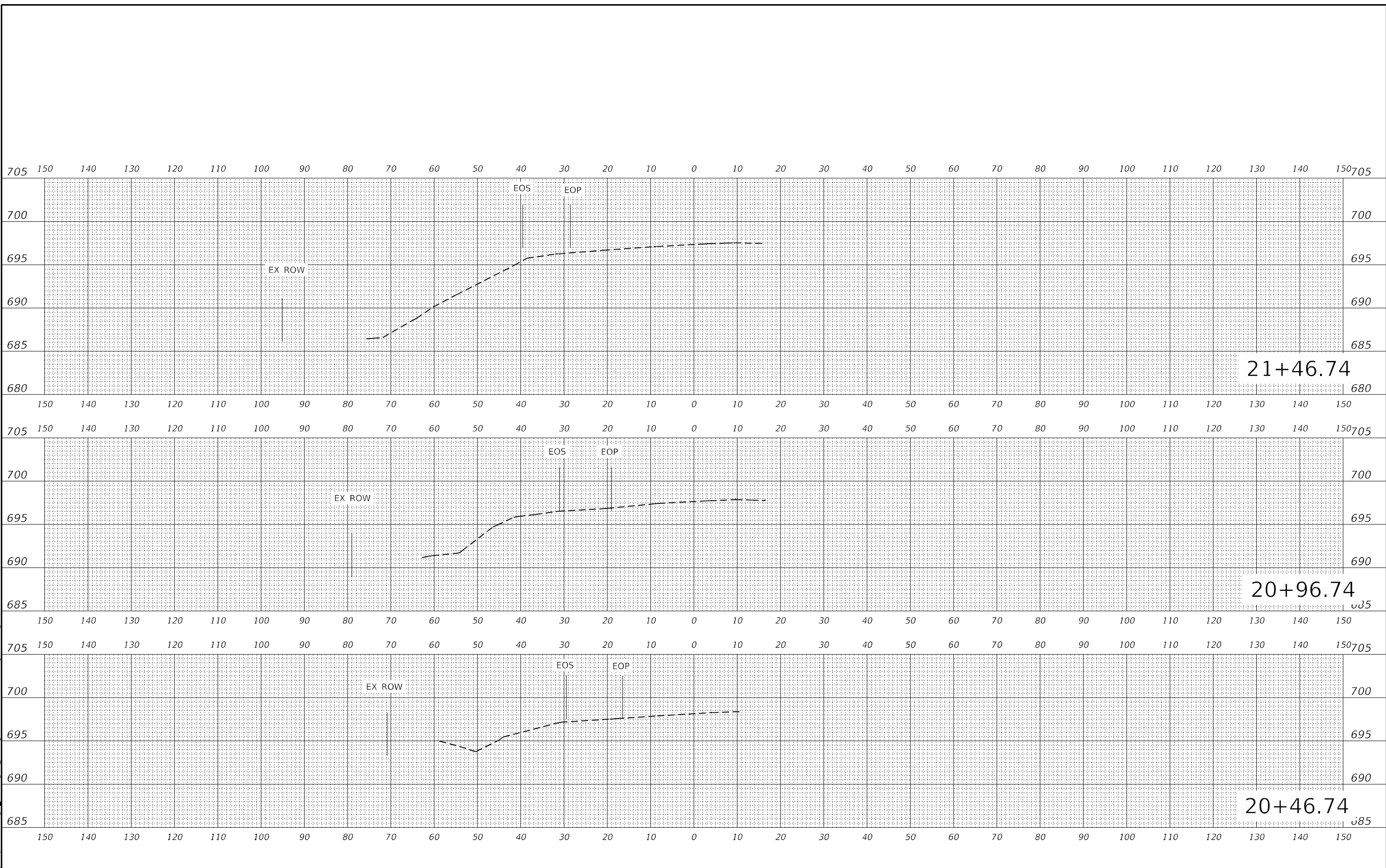
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
IL 171 (ARCHER AVE) AT 143RD ST**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	25
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				





MODEL: Untitled-5 (Sheet)
 FILE NAME: c:\p\work\will\illinois.gov_hanan_alghizi\illinois.gov\0068541\0131518-Design\Scratch.dgn

USER NAME = Hanan.Alghizi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
IL 171 (ARCHER AVE) AT 143RD ST

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2018-036-RS-SW	WILL	26	26
CONTRACT NO. 62G55				
ILLINOIS FED. AID PROJECT				

