

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
856	FAP 0856 22 RS2	WILL	21	1
		ILLINOIS	CONTRACT NO. 62T56	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF JOLIET.

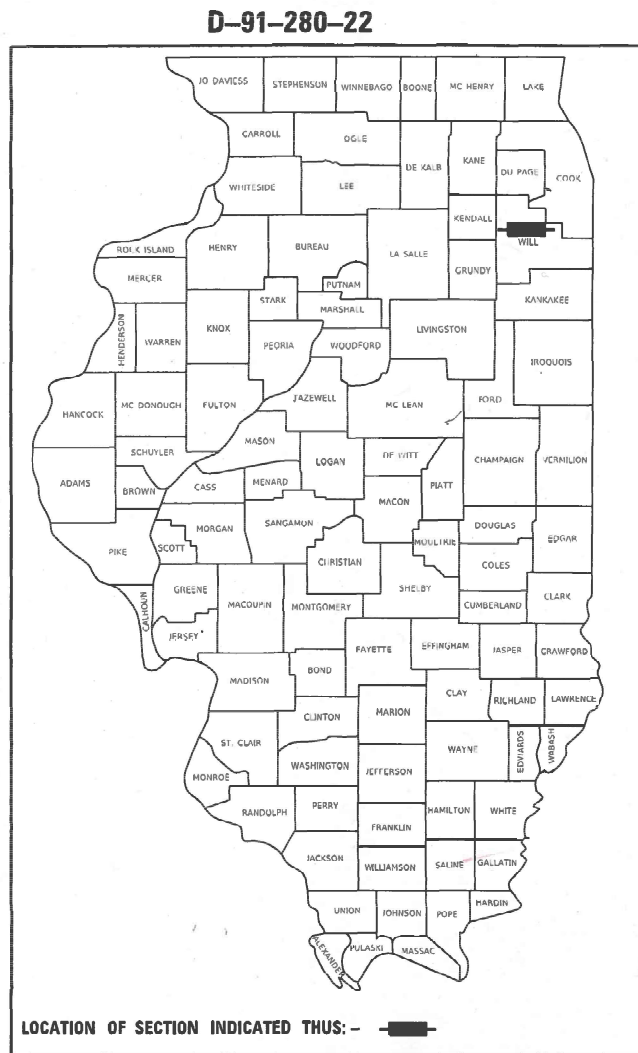
TRAFFIC DATA:

US 6 (CHANNAHON ROAD):
TERRY DRIVE TO HOLLYWOOD ROAD:
ADT (2021) = 9,300
SPEED LIMIT = 50 MPH
OTHER PRINCIPAL ARTERIAL

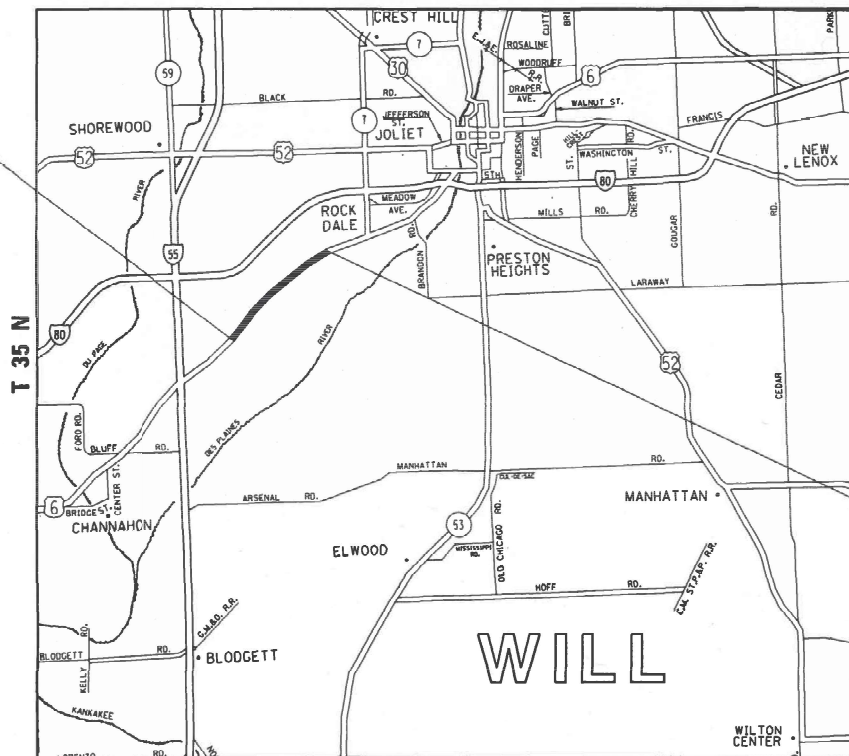
PROPOSED
HIGHWAY PLANS

FAP ROUTE 856: US 6 (CHANNAHON ROAD)
SOUTHWEST OF TERRY DRIVE TO NORTHEAST OF HOLLYWOOD ROAD
SECTION: FAP 0856 22 RS2
PROJECT: NHPP-P21N(674)
SMART OVERLAY
WILL COUNTY

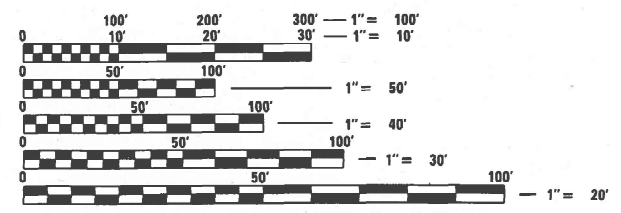
C-91-334-22



US 6: PROJECT BEGINS
STA. 09 + 01



US 6: PROJECT ENDS
STA. 56 + 59



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62T56

GROSS & NET LENGTH = 4,758 FT. = 0.90 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18, 2024

Joseph R. Jones
REGIONAL ENGINEER

May 10, 2024 John A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 Stephen M. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	SCHEDULE OF QUANTITIES
7-8	EXISTING AND PROPOSED TYPICAL SECTIONS
9-10	ROADWAY AND PAVEMENT MARKING PLANS
11	DETECTOR LOOP REPLACEMENT PLAN
12	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
13	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
14	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
15	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
16	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
17	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
18	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
19	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
20	ARTERIAL ROAD INFORMATION SIGN (TC-22)
21	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

- 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 ASSHOWN ON THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON PLANS SHALL BE PLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 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.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE 9" LIFT OF CS-01 FOR THE 12" AGGREGATE SUBGARDE IMPROVEMENT SHALL BE PLACED THE SAME DAY AS EXCAVATION.
- TEN (10) FOOR TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTERS AND MEDIAN ITEMS OF WORK EXISTING CURBS AND GUTTER AND MEDIANS IN FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

MAINTENANCE OF TRAFFIC NOTES

- DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT AT A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMOORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIRMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND CITY OF JOLIET.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE ARE DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

GEOTECHNICAL NOTES

- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- THE AGGREGATE GRADATION FOR THE THE AGGREGATE SUBGARDE IMPROVMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

MODEL: Default
 FILE NAME: p:\bullet-new-bead-fwy.com\FWIDOT\Documents\DOT Office\District 1\Project\128022\CaddData\Design\128022-ah-egenecr.dgn

USER NAME = Nedal.Qanit	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	856					FAP 0856-22-RS2	WILL	21	2	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		US 6 (CHANNANON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.			CONTRACT NO. 62T56				
PLOT DATE = 3/22/2024	DATE -	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		SMART 80% FED 20% STATE 0005	100% STATE 0005			
20200100	EARTH EXCAVATION	CU YD	1985	1985				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	356	356				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	28	28				
21400100	GRADING AND SHAPING DITCHES	FOOT	50	50				
* 25200110	SODDING, SALT TOLERANT	SO YD	28	28				
28100105	STONE RIPRAP, CLASS A3	SO YD	4	4				
28200200	FILTER FABRIC	SO YD	4	4				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	120	120				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	3565	3565				
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	8025	8025				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11430	11430				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	22000	22000				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40	40				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	115	115				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		SMART 80% FED 20% STATE 0005	100% STATE 0005			
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	2490	2490				
42001300	PROTECTIVE COAT	SO YD	40	40				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	25400	25400				
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	75	75				
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	50	50				
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	170	170				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	360	360				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	2975	2975				
50105220	PIPE CULVERT REMOVAL	FOOT	32	32				
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	32	32				
56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1				
△ 60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	41				41	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1985	1985				

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)

MODEL: Default
FILE: MainE_PlanSheet-sw_bentley.com:PNIDOT\Documents\DOT Office\District: 1\Project\128022\CaddData\Design\128022-sht-500.dgn

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 856	SECTION FAP 0856-22-RS2	COUNTY WILL	TOTAL SHEETS 21	SHEET NO. 3
CONTRACT NO. 62T56			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		SMART 80% FED 20% STATE 0005	100% STATE 0005			
* 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	8	8				
67100100	MOBILIZATION	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16750	16750				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	9750	9750				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	850	850				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	22830	22830				
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4950	4950				
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	375	375				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		SMART 80% FED 20% STATE 0005	100% STATE 0005			
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	900	900				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	150	150				
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	8375	8375				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	850	850				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22830	22830				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4950	4950				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	375	375				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	900	900				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	150				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	295	295				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	295	295				

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

MODEL: Default
 FILE NAME: p:\ulidat-cw-bentley.com\FW\31\Documents\DOT Office\...
 PROJECT: D:\128022\CAD...

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
856	FAP 0856-22-RS2	WILL	21	4
CONTRACT NO. 62T56			ILLINOIS FED. AID PROJECT	

EARTH WORK SCHEDULE					
STA			Area (Cu.Ft.)	Area (Cu.Ft.)	pay item
From Station	To Station	Offset	A1	A2	Quantity (CU YD)
31+12	31+50	LT	10.0	10.0	14.1
31+50	32+00	LT	10.0	10.0	18.6
32+00	32+50	LT	10.0	10.0	18.6
32+50	33+00	LT	10.0	10.0	18.6
33+00	33+50	LT	10.0	10.0	18.6
33+50	34+00	LT	10.0	10.0	18.6
34+00	34+50	LT	10.0	10.0	18.6
34+50	35+00	LT	10.0	10.0	18.6
35+00	35+50	LT	10.0	10.0	18.6
35+50	36+00	LT	10.0	10.0	18.6
42+51	43+00	LT	10.0	10.0	18.2
43+00	43+50	LT	10.0	10.0	18.6
43+50	44+00	LT	10.0	10.0	18.6
44+00	44+50	LT	10.0	10.0	18.6
44+50	45+00	LT	10.0	10.0	18.6
45+00	45+50	LT	10.0	10.0	18.6
45+50	46+00	LT	10.0	10.0	18.6
46+00	46+50	LT	10.0	10.0	18.6
46+50	47+00	LT	10.0	10.0	18.6
47+00	47+50	LT	10.0	10.0	18.6
47+50	48+00	LT	10.0	10.0	18.6
48+00	48+50	LT	10.0	10.0	18.6
48+50	49+00	LT	10.0	10.0	18.6
49+00	49+50	LT	10.0	10.0	18.6
49+50	50+00	LT	10.0	10.0	18.6
50+00	50+50	LT	10.0	10.0	18.6
50+50	51+00	LT	10.0	10.0	18.6
51+00	51+50	LT	10.0	10.0	18.6
51+50	52+00	LT	10.0	10.0	18.6
52+00	52+50	LT	10.0	10.0	18.6
52+50	53+00	LT	10.0	10.0	18.6
53+00	53+50	LT	10.0	10.0	18.6
53+50	54+00	LT	10.0	10.0	18.6
54+00	54+50	LT	10.0	10.0	18.6
54+50	55+00	LT	10.0	10.0	18.6
55+00	55+25	LT	10.0	10.0	9.3
TOTAL					654

EARTH EX LT OFFSET = 654 CU.YD.

EARTH WORK SCHEDULE					
STA			Area (Cu.Ft.)	Area (Cu.Ft.)	pay item
From Station	To Station	Offset	A1	A2	Quantity (CU YD)
17+58	18+00	RT	10.0	10.0	15.6
18+00	18+50	RT	10.0	10.0	18.6
18+50	19+00	RT	10.0	10.0	18.6
19+00	19+50	RT	10.0	10.0	18.6
19+50	20+00	RT	10.0	10.0	18.6
20+00	20+50	RT	10.0	10.0	18.6
20+50	21+00	RT	10.0	10.0	18.6
21+00	21+50	RT	10.0	10.0	18.6
21+50	22+00	RT	10.0	10.0	18.6
22+00	22+50	RT	10.0	10.0	18.6
22+50	23+00	RT	10.0	10.0	18.6
23+00	23+50	RT	10.0	10.0	18.6
23+50	24+00	RT	10.0	10.0	18.6
24+00	24+50	RT	10.0	10.0	18.6
24+50	25+00	RT	10.0	10.0	18.6
25+00	25+50	RT	10.0	10.0	18.6
25+50	26+00	RT	10.0	10.0	18.6
26+00	26+50	RT	10.0	10.0	18.6
26+50	27+00	RT	10.0	10.0	18.6
27+00	27+50	RT	10.0	10.0	18.6
27+50	28+00	RT	10.0	10.0	18.6
28+00	28+50	RT	10.0	10.0	18.6
28+50	29+00	RT	10.0	10.0	18.6
29+00	29+50	RT	10.0	10.0	18.6
29+50	30+00	RT	10.0	10.0	18.6
30+00	30+50	RT	10.0	10.0	18.6
30+50	31+00	RT	10.0	10.0	18.6
31+00	31+50	RT	10.0	10.0	18.6
31+50	32+00	RT	10.0	10.0	18.6
32+00	32+50	RT	10.0	10.0	18.6
32+50	33+00	RT	10.0	10.0	18.6
33+00	33+50	RT	10.0	10.0	18.6
33+50	34+00	RT	10.0	10.0	18.6
34+00	34+50	RT	10.0	10.0	18.6
34+50	35+00	RT	10.0	10.0	18.6
35+00	35+50	RT	10.0	10.0	18.6
35+50	36+00	RT	10.0	10.0	18.6

CONTINUED ON NEXT COLUMN →

36+00	36+46	RT	10.0	10.0	17.1
38+55	39+00	RT	10.0	10.0	16.7
39+00	39+50	RT	10.0	10.0	18.6
39+50	40+00	RT	10.0	10.0	18.6
40+00	40+50	RT	10.0	10.0	18.6
40+50	41+00	RT	10.0	10.0	18.6
41+00	41+50	RT	10.0	10.0	18.6
41+50	42+00	RT	10.0	10.0	18.6
42+00	42+50	RT	10.0	10.0	18.6
42+50	43+00	RT	10.0	10.0	18.6
43+00	43+50	RT	10.0	10.0	18.6
43+50	44+00	RT	10.0	10.0	18.6
44+00	44+50	RT	10.0	10.0	18.6
44+50	45+00	RT	10.0	10.0	18.6
45+00	45+50	RT	10.0	10.0	18.6
45+50	46+00	RT	10.0	10.0	18.6
46+00	46+50	RT	10.0	10.0	18.6
46+50	47+00	RT	10.0	10.0	18.6
47+00	47+50	RT	10.0	10.0	18.6
47+50	47+73	RT	10.0	10.0	8.5
48+80	49+00	RT	10.0	10.0	7.4
49+00	49+50	RT	10.0	10.0	18.6
49+50	50+00	RT	10.0	10.0	18.6
50+00	50+50	RT	10.0	10.0	18.6
50+50	51+00	RT	10.0	10.0	18.6
51+00	51+50	RT	10.0	10.0	18.6
51+50	52+00	RT	10.0	10.0	18.6
52+00	52+50	RT	10.0	10.0	18.6
52+50	53+00	RT	10.0	10.0	18.6
53+00	53+50	RT	10.0	10.0	18.6
53+50	54+00	RT	10.0	10.0	18.6
54+00	54+50	RT	10.0	10.0	18.6
54+50	55+00	RT	10.0	10.0	18.6
55+00	55+50	RT	10.0	10.0	18.6
55+50	56+00	RT	10.0	10.0	18.6
56+00	56+50	RT	10.0	10.0	18.6
56+50	56+59	RT	10.0	10.0	3.3
TOTAL					1330

EARTH EX RT OFFSET = 1,330 CU.YD.

TOTAL EARTH EX LT & RT OFFSET = 1,985 CU.YD.

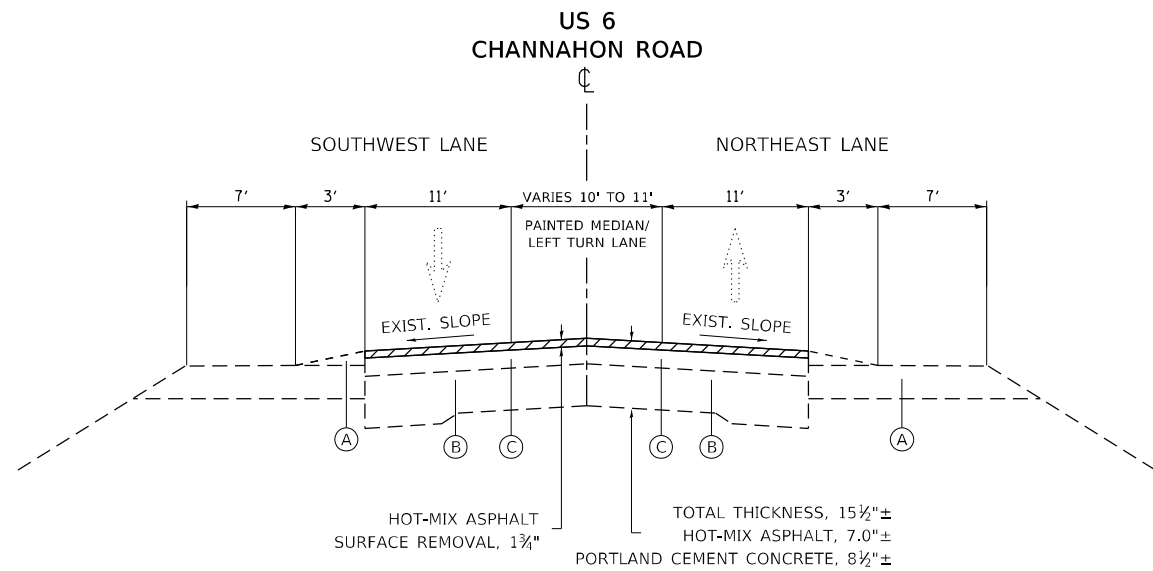
MODEL: Default
 FILE: \\bluest-pw-beach.com\P\DOT\Documents\DOT_Offices\Dir\drt_1\Project\128022\CADD\data\Design\128022-rt-schedule.dgn

USER NAME = Nedal.Qanit	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

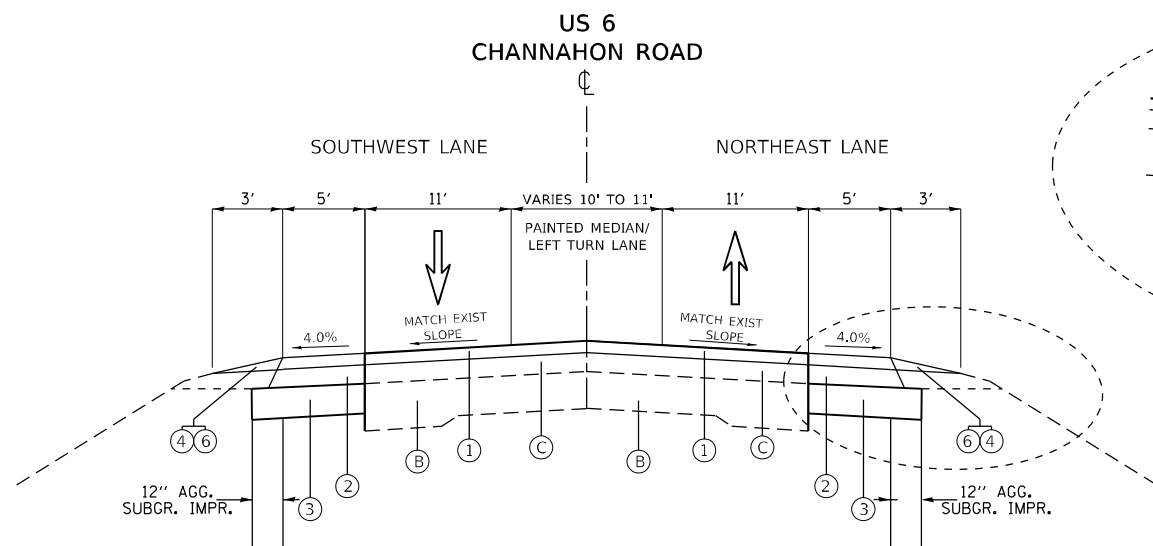
SCHEDULE OF QUANTITIES	
US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
856	FAP 0856-22-RS2	WILL	21	6
CONTRACT NO. 62T56				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL

STA. 09+01 TO STA. 19+88
STA. 30+00 TO STA. 56+52



PROPOSED TYPICAL

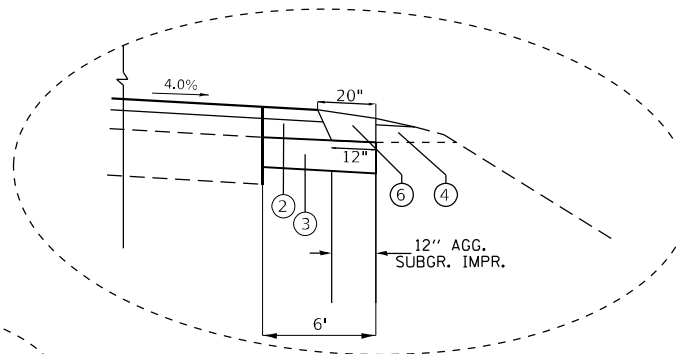
STA. 09+01 TO STA. 19+88
STA. 30+00 TO STA. 56+52

LEGEND - EXISTING:

- (A) AGGREGATE SHOULDER
- (B) PORTLAND CEMENT CONCRETE BASE, 8 1/2"±
- (C) HOT-MIX ASPHALT PAVEMENT 7"±
- (D) COMBINATION CONCRETE CURB AND GUTTER

LEGEND - PROPOSED

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX F, N80, 1 3/4"
- ② HOT-MIX ASPHALT SHOULDERS 8"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ GRADING AND SHAPING SHOULDERS
- ⑤ COMBINATION CONCRETE CURB AND GUTTER
- ⑥ AGGREGATE SHOULDERS, TYPE B (TON)



HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
PAVEMENT		
POLY. HMA SURFACE COURSE, STONE MATRIX ASPHALT 9.5, MIX "F", N80, 1 3/4"	3.5% @ 80 GYR.	OCP
HMA SHOULDERS 8"		
HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1 3/4"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6/4"	4% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

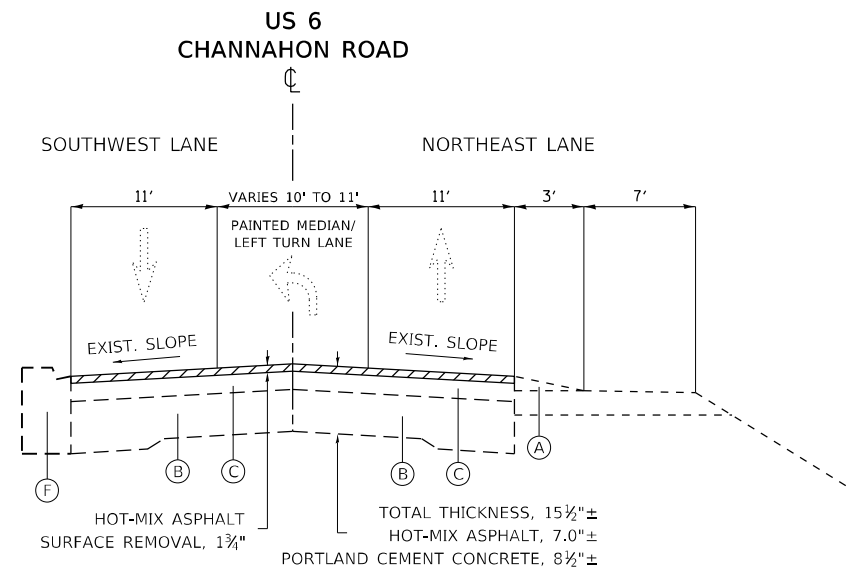
NOTES

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: 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.

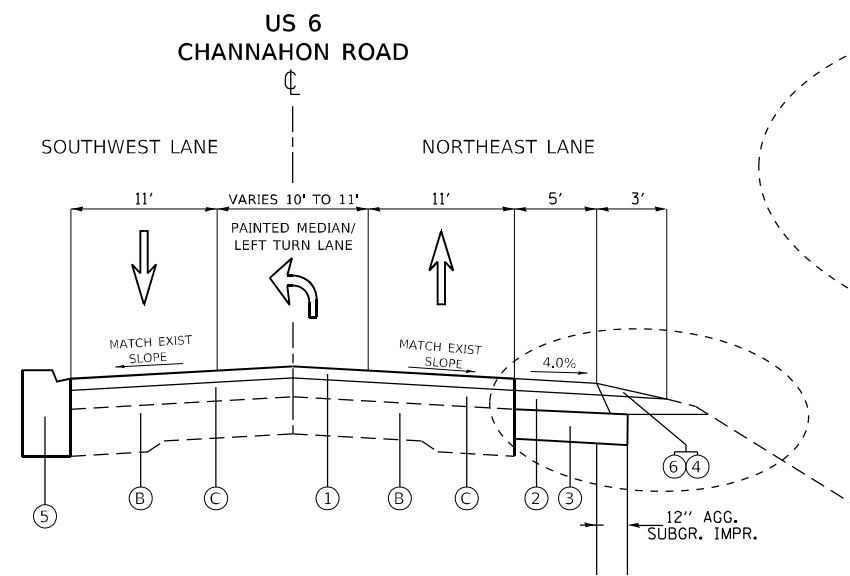
NOTE 3: THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.

NOTE 4: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.



EXISTING TYPICAL

STA. 19+88 TO STA. 30+00



PROPOSED TYPICAL

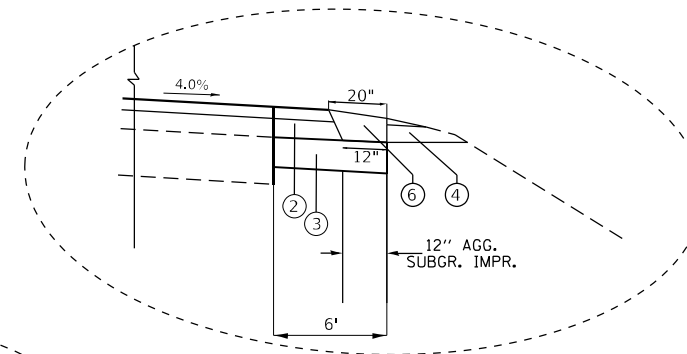
STA. 19+88 TO STA. 30+00

LEGEND - EXISTING:

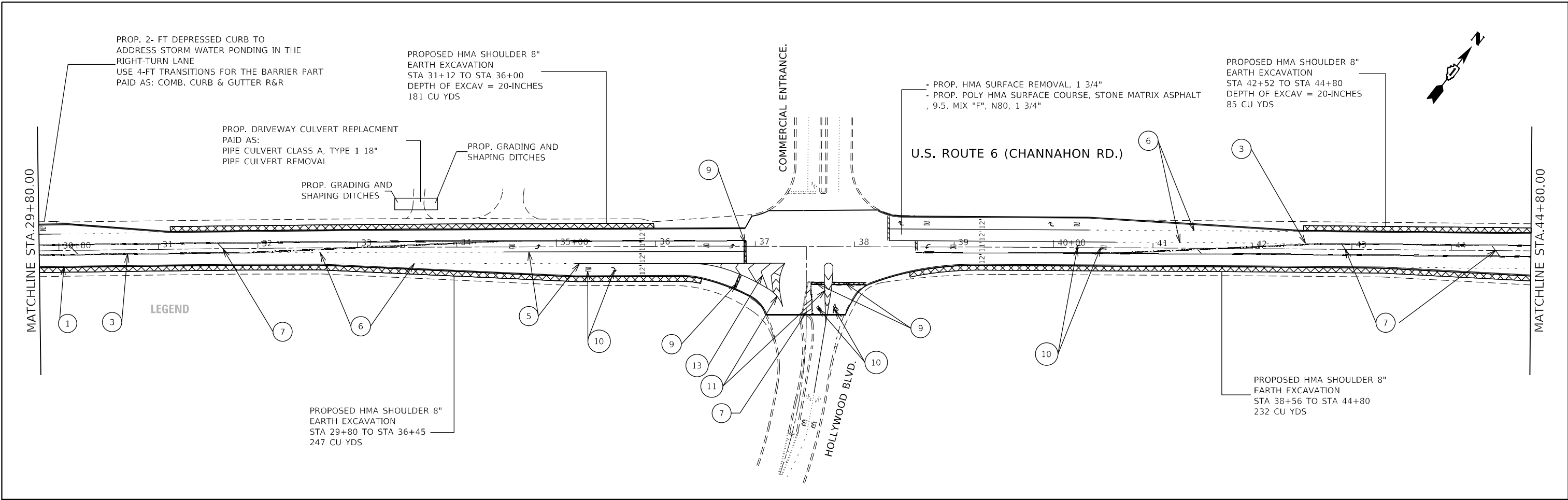
- (A) AGGREGATE SHOULDER
- (B) PORTLAND CEMENT CONCRETE BASE, 8 1/2"±
- (C) HOT-MIX ASPHALT PAVEMENT 7"±
- (D) COMBINATION CONCRETE CURB AND GUTTER

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX F, N80, 1 3/4"
- (2) HOT-MIX ASPHALT SHOULDERS 8"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4) GRADING AND SHAPING SHOULDERS
- (5) COMBINATION CONCRETE CURB AND GUTTER
- (6) AGGREGATE SHOULDERS, TYPE B (TON)

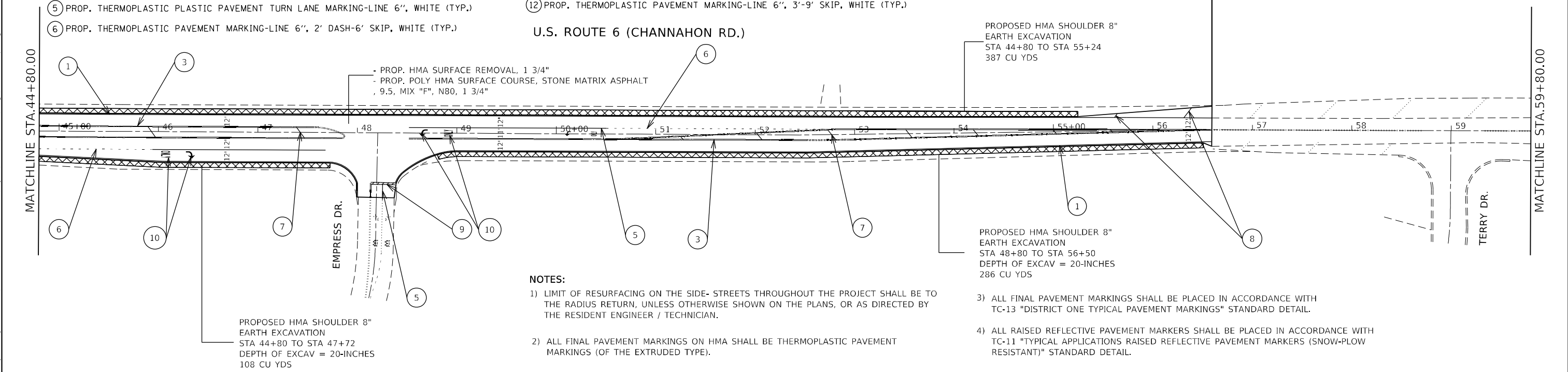


FILE NAME =	USER NAME = Nedol.Derut	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI28022\CADD\Design\DI28022-sh-typical.dgn		DRAWN -	REVISED -		US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.			856	FAP 0856-22-R52	WILL	21	8	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62T56	
	PLOT DATE = 4/6/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", EDGE LINE WHITE (TYP.)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING CENTERLINE 2 @ 4" @ 11" C-C, YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES MEDIANS 4" @ 11" C-C, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", DIAGONAL @ 45° YELLOW (TYP.) (5 MINIMUM EQUALLY SPACED)
- ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", DIAGONAL @ 45° AT 150' C-C WHITE (TYP.)
- ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", STOP LINES, WHITE (TYP.)
- ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING GORE MARKING AND CHANNELIZING LINES 8" (TYP.)
- ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 3'-9" SKIP, WHITE (TYP.)
- ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", DIAGONAL AT 45° CHEVRONS WHITE (TYP.)



NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

MODEL: Default
 FILE: \\blueteam\paw\blueteam\com\PIV\DOT\Documents\1\DOT\Office\Drawings\1\Project\1\128022\Cadd\Drawings\1\128022-Sub-Plan.dwg

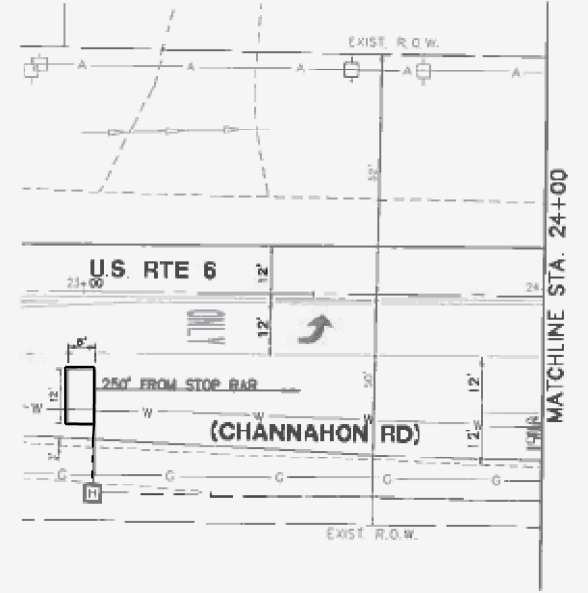
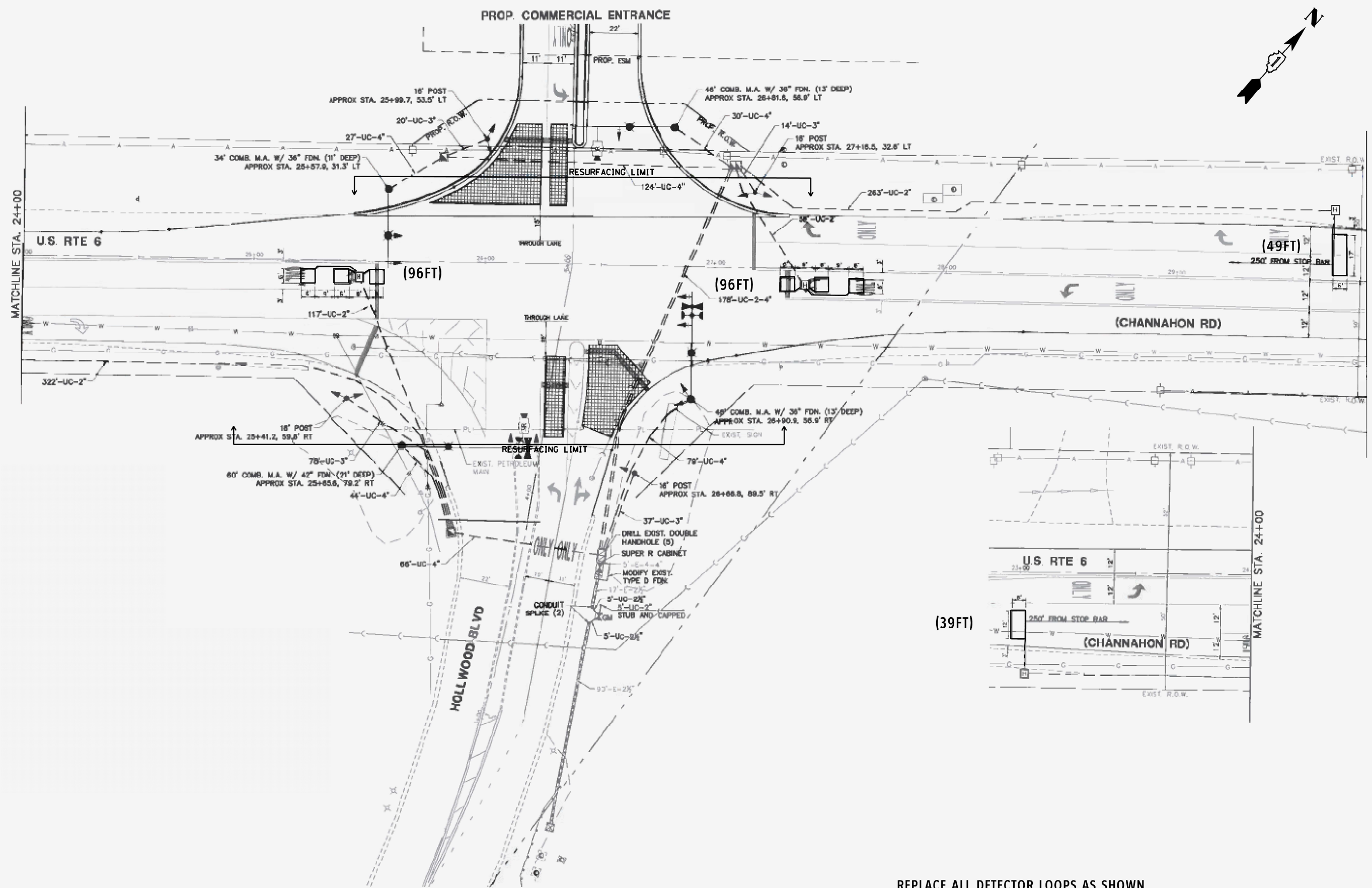
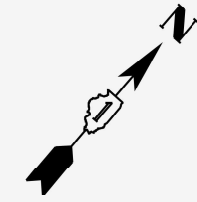
USER NAME = Nedal.Qanit	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/11/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PAVEMENT MARKING PLAN
US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD RD.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
856	FAP 0856-22-RS2	WILL	21	10
CONTRACT NO. 62T56			ILLINOIS FED. AID PROJECT	



NOTES:

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	280	FOOT

TS#21882

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
US 6 (CHANNAHON RD) SW OF TERRY DR. TO NE OF HOLLYWOOD DR.**

USER NAME = Nedal.Qanit	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2024	DATE -	REVISED -

F.A.P. RTE. 856	SECTION FAP 0856-22-RS2	COUNTY WILL	TOTAL SHEETS 21	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T56	

SCALE: NONE SHEET OF SHEETS STA. TO STA.

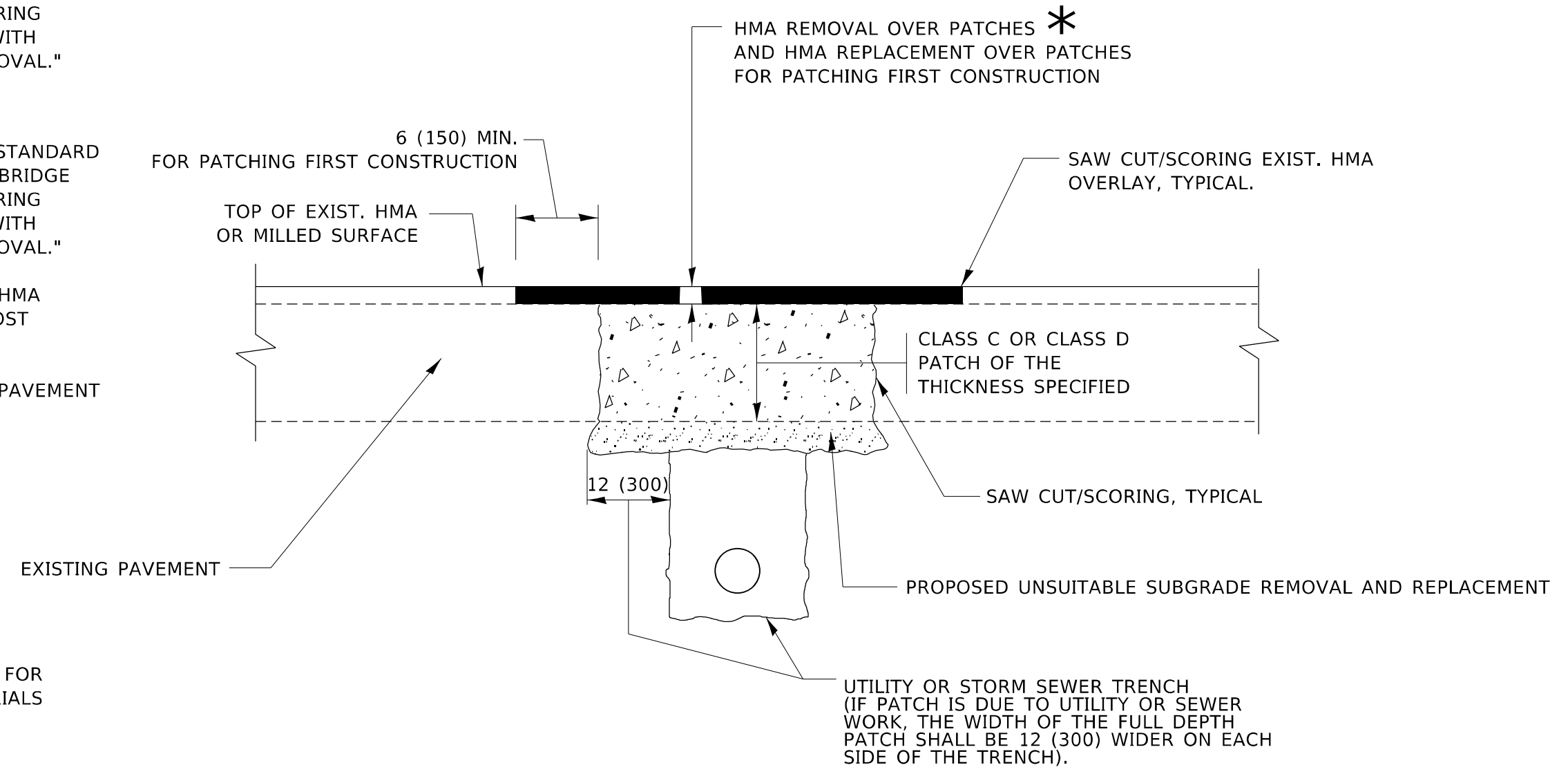
MODEL: Default
 FILE NAME: \\p:\pub\paw.beebe\paw.com\PIV\DOT\Documents\DOT Office\Dr\rdet_1\Project\128022\CADD\data\Design\128022-ccr\ctb.dgn

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 4½ 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: Default FILE: hma156_pav_solidect-pav_bentley.com/P/INDOT/Document/1/DOIT/Office/Dir/rdct_1/Project/1/128022/COData/Design/Dir/Std.dgn

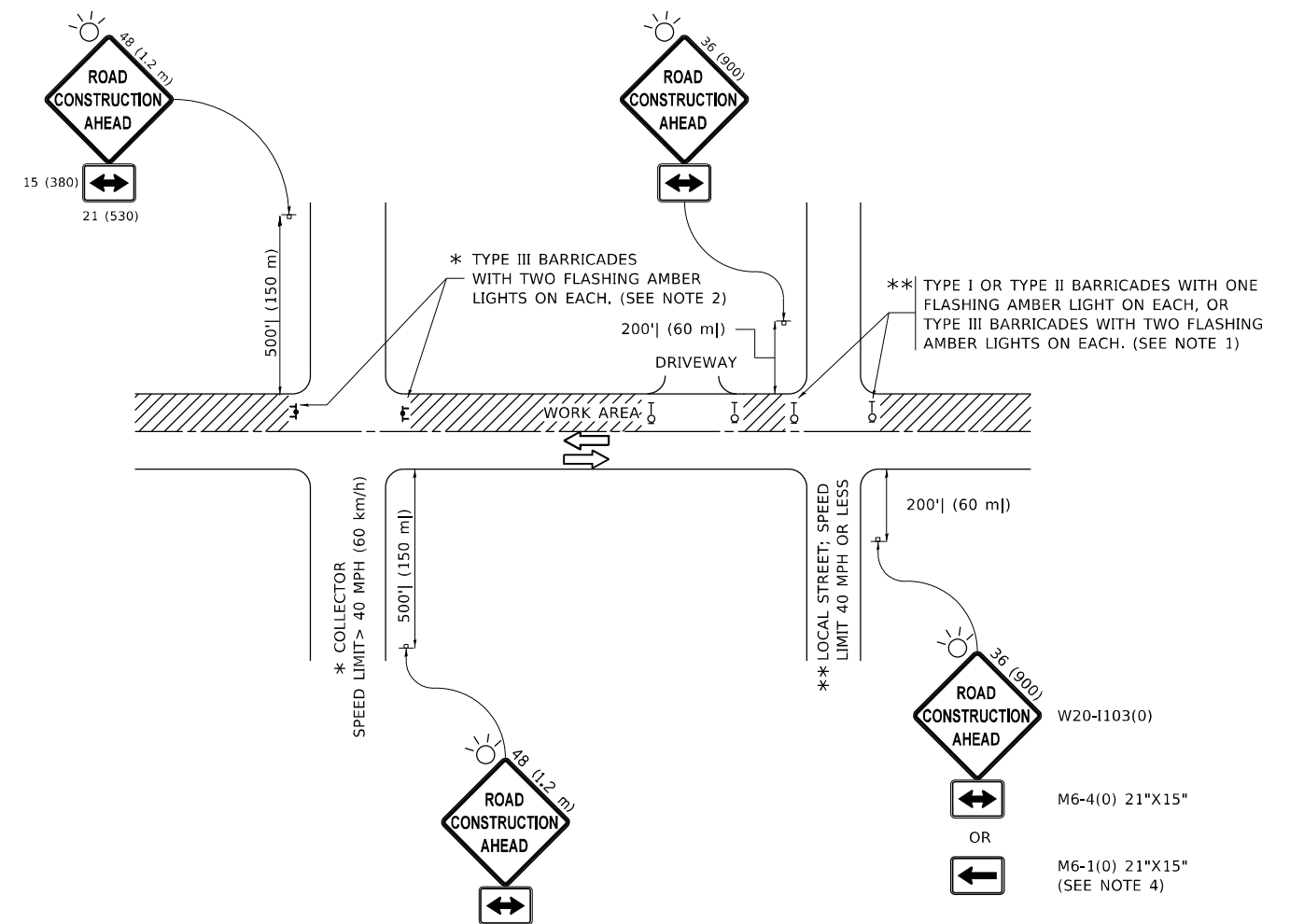
USER NAME = Nedal.Qanir	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 3/22/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**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.
0856	0856-22-R52	WILL	21	13
BD400-04 (BD-22)			CONTRACT NO. 62T56	
ILLINOIS FED. AID PROJECT				



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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: Default
FILE NAME: p:\bulletect-pw-bead\paw.com\FW\DOT\Documents\DOT Office\Dir\rdet_1\Project\1128022\CADD\Drawings\Drawings\BtStEd.dgn

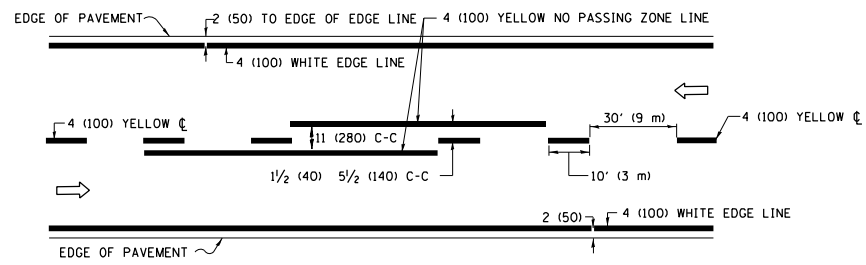
USER NAME = Nedal.Qanit	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/22/2024	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

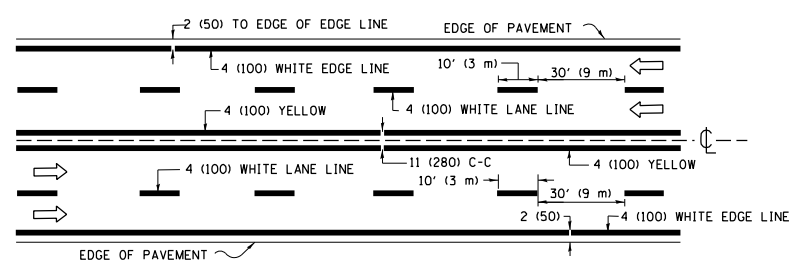
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

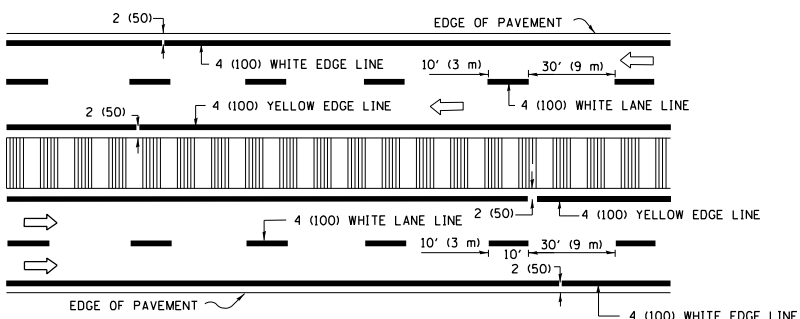
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0856	0856-22-R52	WILL	21	16
TC-10			CONTRACT NO. 62T56	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

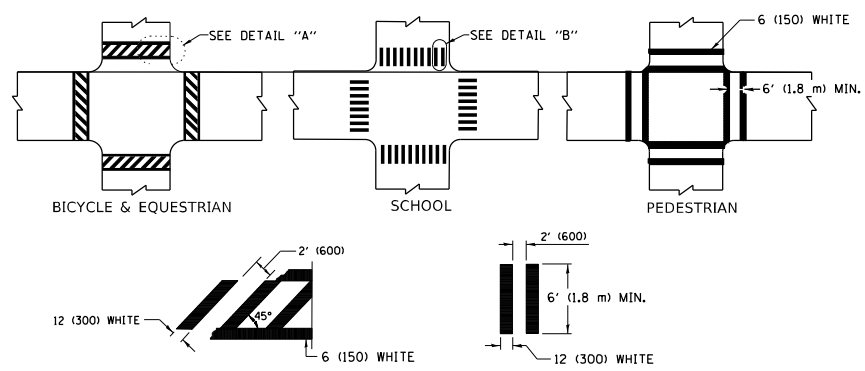


MULTI-LANE UNDIVIDED

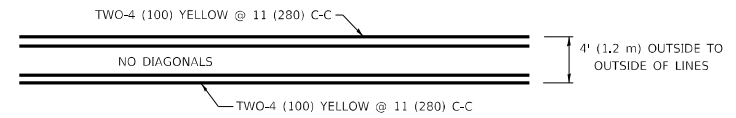


MULTI-LANE DIVIDED WITH MEDIAN

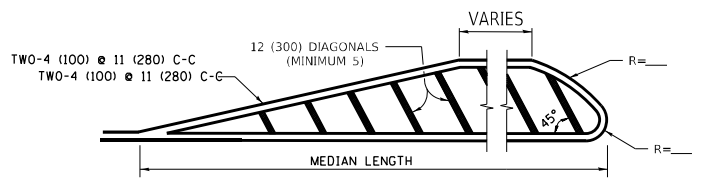
TYPICAL LANE AND EDGE LINE MARKING



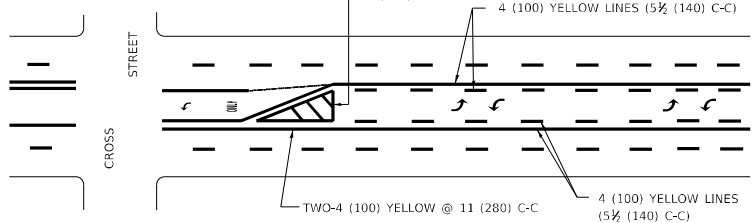
TYPICAL CROSSWALK MARKING



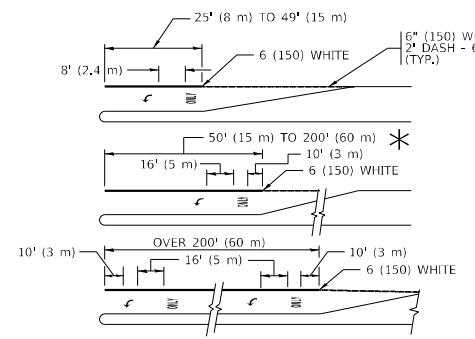
4' (1.2 m) WIDE MEDIANS ONLY



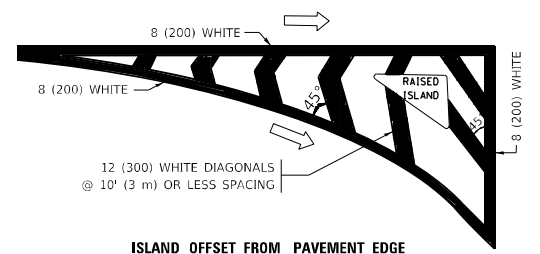
MEDIANS OVER 4' (1.2 m) WIDE



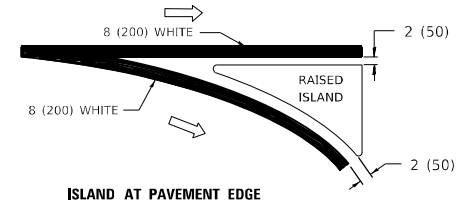
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



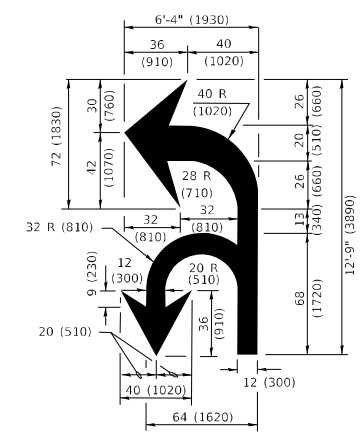
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



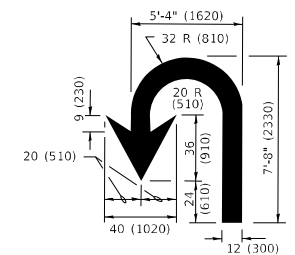
ISLAND OFFSET FROM PAVEMENT EDGE



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: 16 (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: Default
FILE NAME: p:\bulletect-pw-benefits.com\FW\DOT\Documents\DOT Office\DistDirct: \Project\1128022\CADD\data\Design\DistESL.dgn

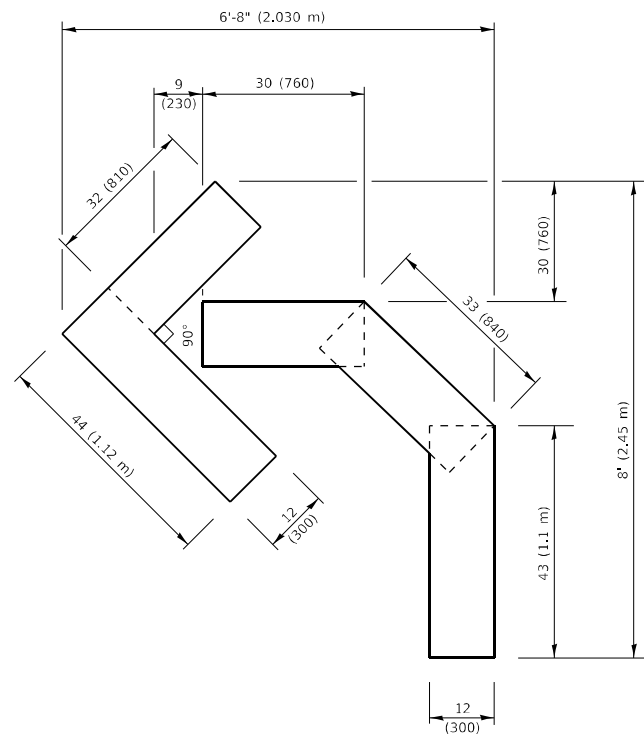
USER NAME = Nedal.Qanit	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/22/2024	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

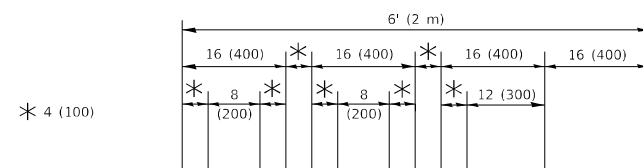
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.
-------------	---------------------	--------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0856	0856-22-R52	WILL	21	18
TC-13		CONTRACT NO. 62T56		
ILLINOIS		FED. AID PROJECT		



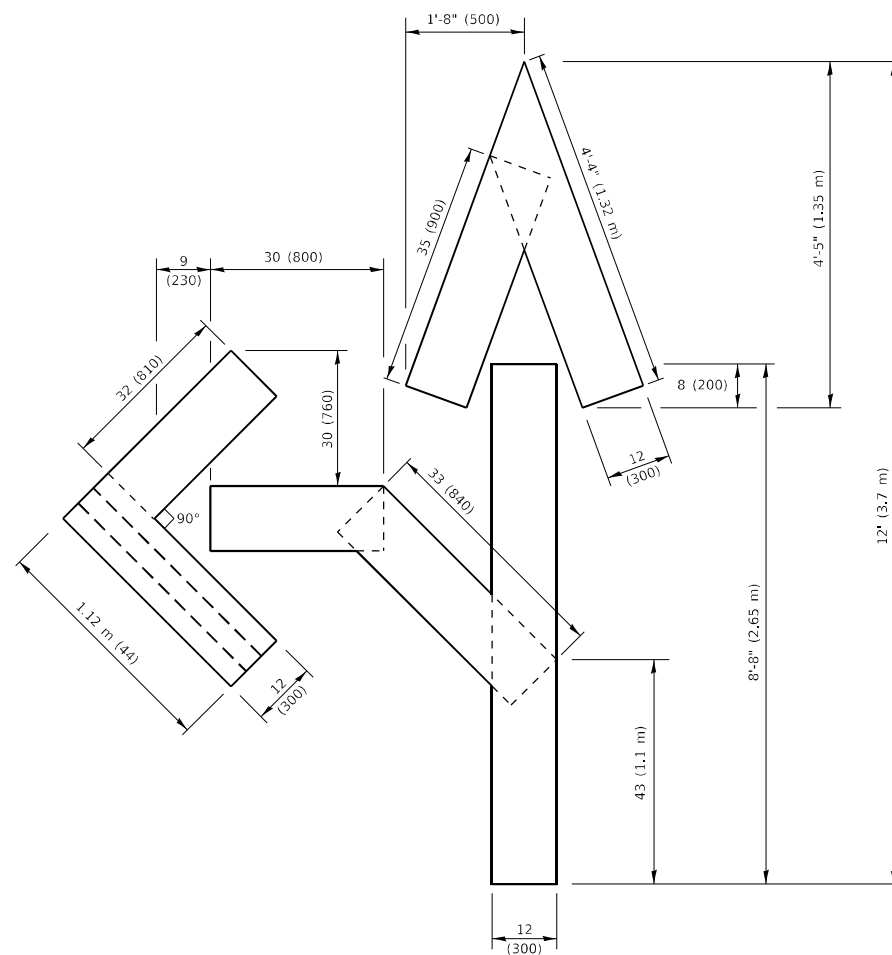
QUANTITY

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)

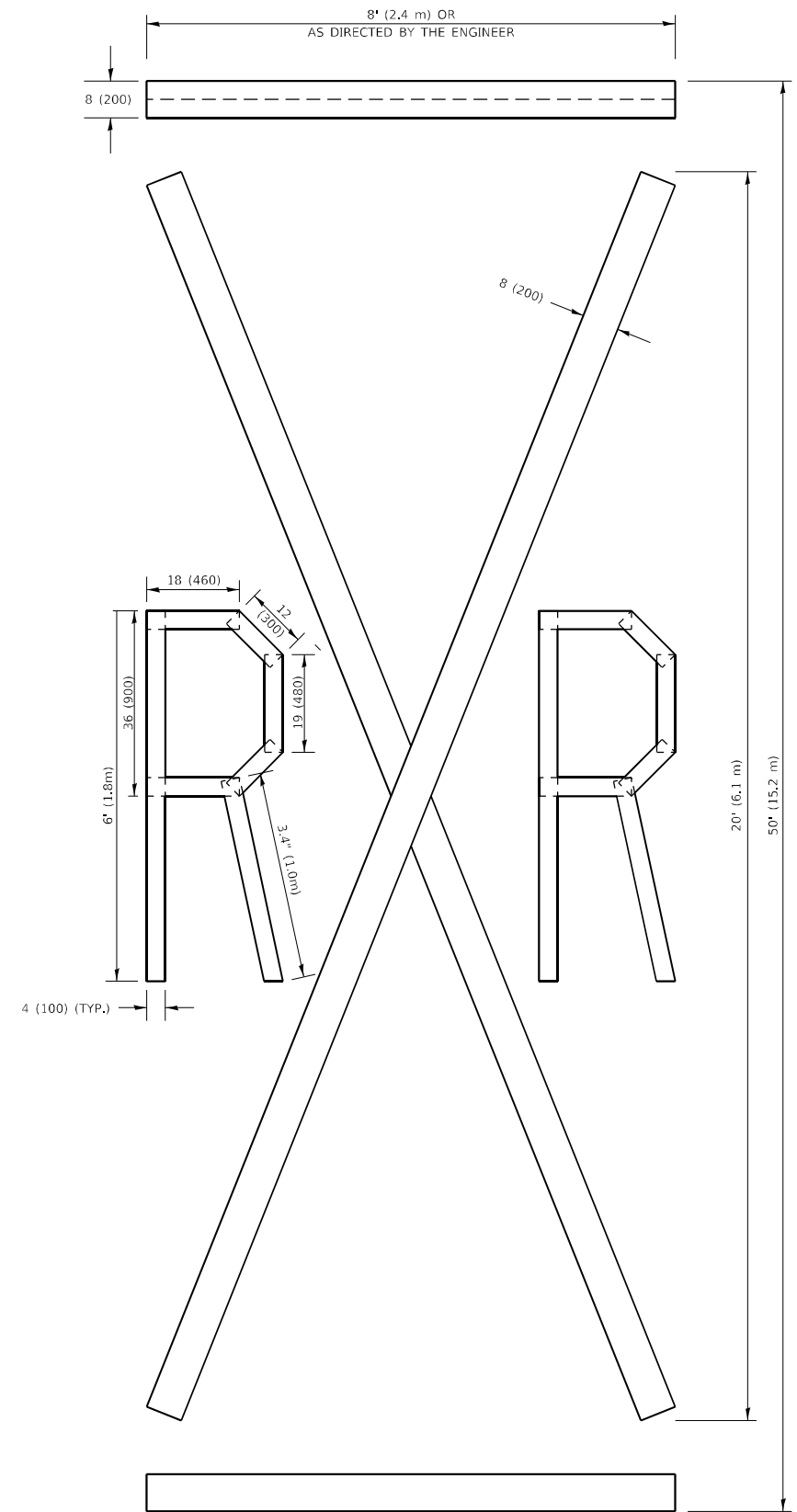


QUANTITY

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: Default
FILE: \\nas0101\p01\illinois\work\62156\62156.dwg
PROJECT: \\nas0101\p01\illinois\work\62156\62156.dwg

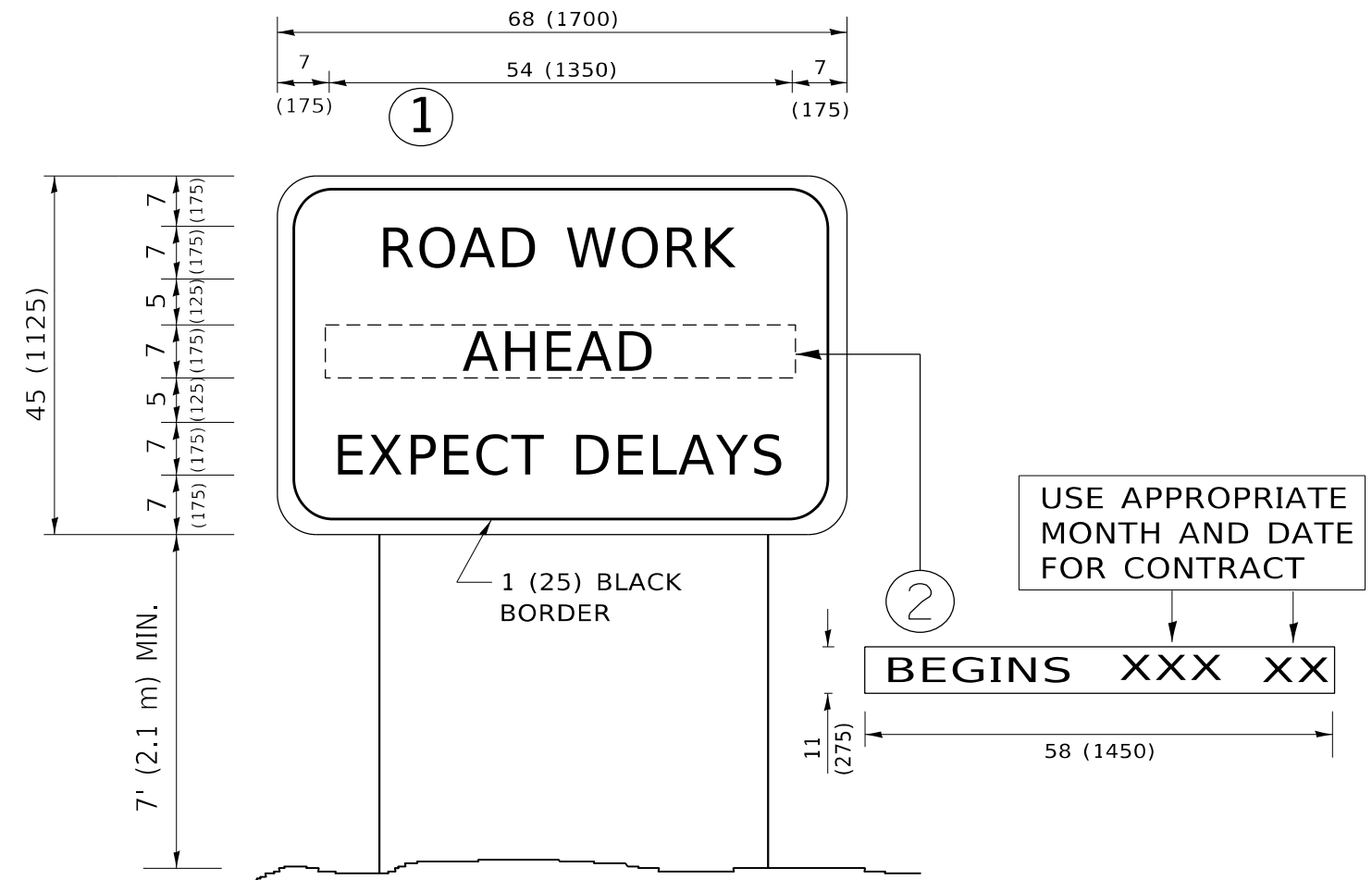
USER NAME = Nedal.Qarut	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0010' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/22/2024	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
0856	0856-22-R52	WILL	21	19
TC-16			CONTRACT NO. 62T56	
ILLINOIS FED. AID PROJECT				



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.

MODEL: Default
 FILE: \\nafile.pw.us\dot\paw\beef\ay.com\PIV\DOT\Documents\DOT Office\Dir\rdet_1\Project\128022\CADD\DATA\Design\BdF5St.dgn

USER NAME = Nedal.Qanit	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/22/2024	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

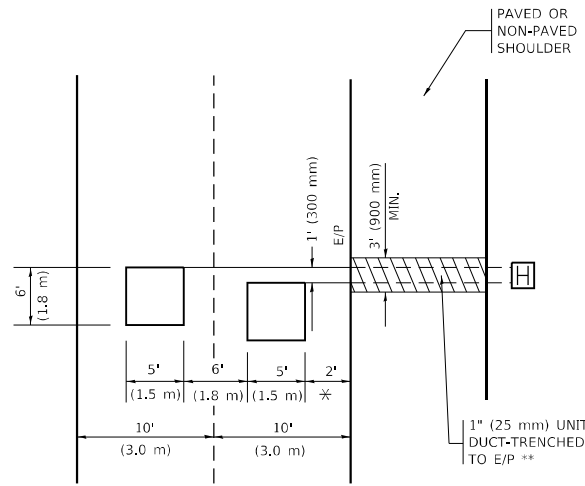
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0856	0856-22-R52	WILL	21	20
TC-22			CONTRACT NO. 62T56	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



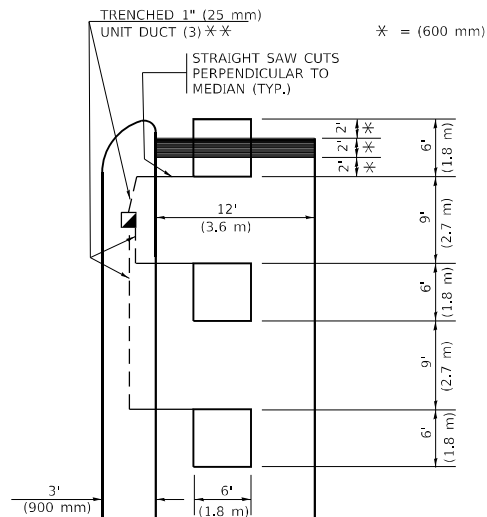
* = (600 mm)

** 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.



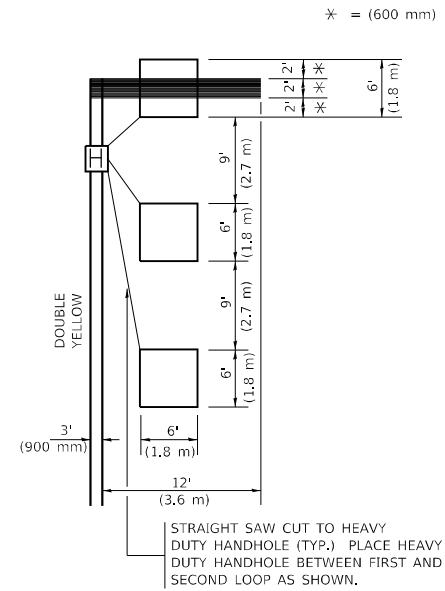
* = (600 mm)

** 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 SEPARATLY. 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.

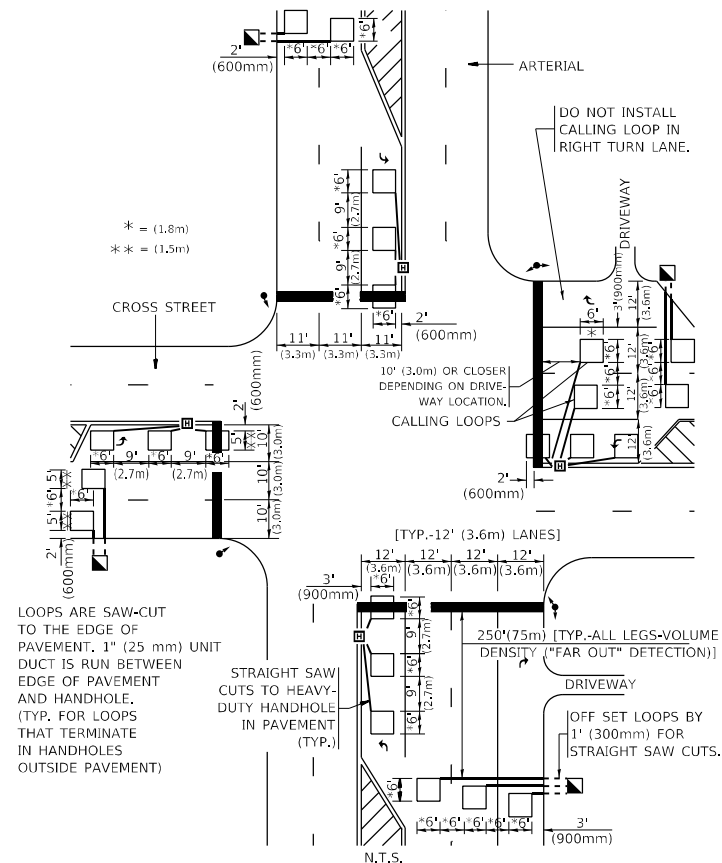
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

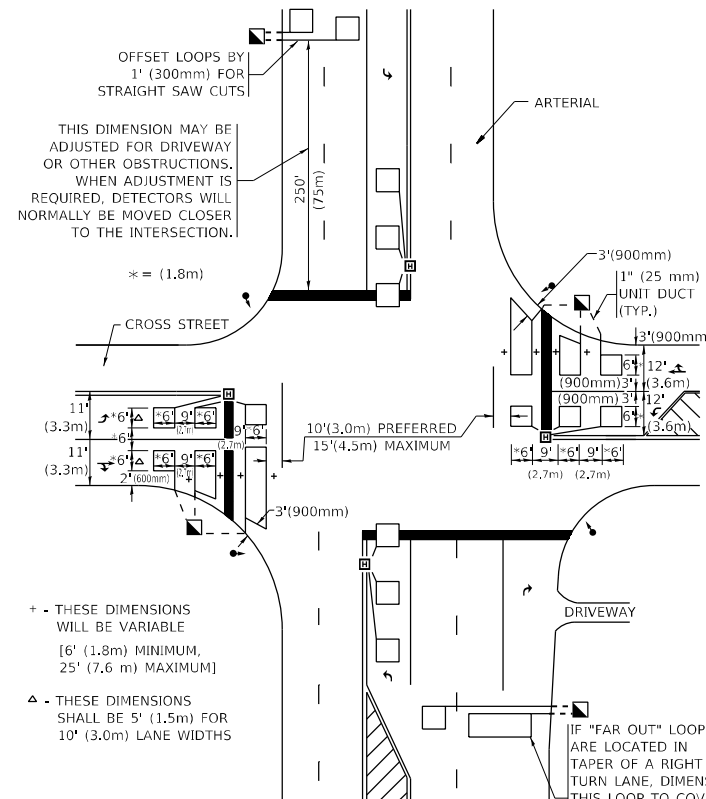
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

- + 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

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

USER NAME = Nedal.Qanit	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2024	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0856	0856-22-R52	WILL	21	21
TS-07		CONTRACT NO. 62T56		
ILLINOIS FED. AID PROJECT				