

04-29-2022 LETTING ITEM 092

FOR INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	1

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAU ROUTE 2585 (MEACHAM ROAD)  
IL 72 (HIGGINS RD) TO IL 58 (GOLF RD)  
RESURFACING  
SECTION 20-00136-00-RS  
PROJECT 11ZO(693)  
COOK COUNTY  
JOB NO. C-91-182-21

**TRAFFIC DATA**

ADT:  
27,100 VPD (2018)

**POSTED SPEED**

45 MPH (EXISTING)  
45 MPH (PROPOSED)

**DESIGN SPEED**

45 MPH (EXISTING)  
45 MPH (PROPOSED)

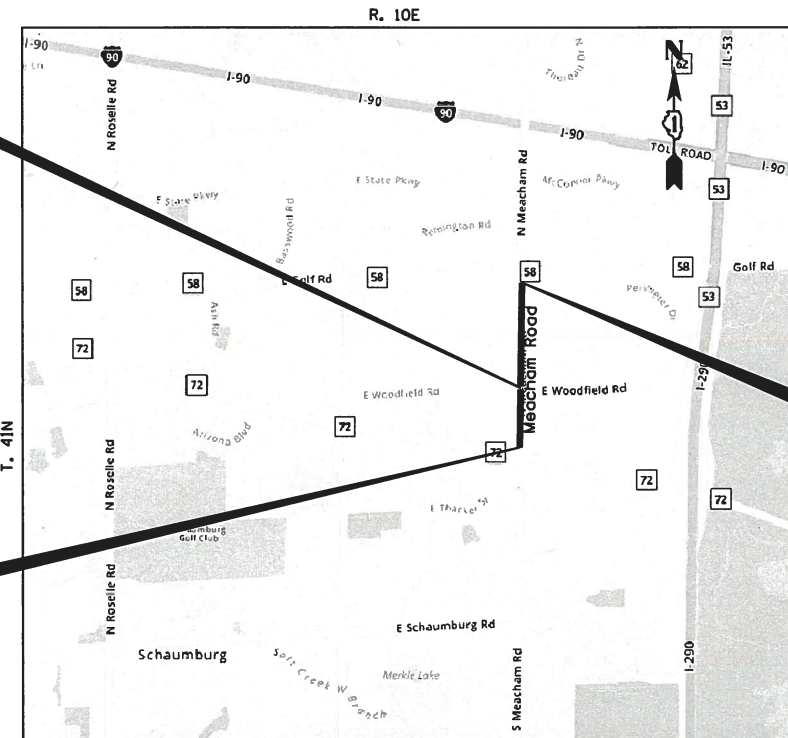
**FUNCTIONAL CLASSIFICATION**

MINOR ARTERIAL



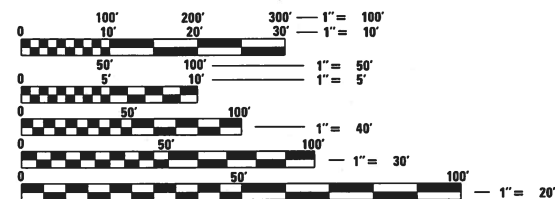
LOCATION OF SECTION INDICATED THIS: -

PROJECT OMISSION  
W. WOODFIELD RD  
STA. 224 + 06.30 TO  
STA. 226 + 61.80



PROJECT ENDS  
STA. 250 + 52.33

PROJECT BEGINS  
STATION 210 + 65.14



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

CONTRACT NO. 61H57

SCHAUMBURG TOWNSHIP VILLAGE OF SCHAUMBURG 3RD P.M.

LOCATION MAP

NOT TO SCALE

PROJECT LENGTH (GROSS AND NET)  
3,987.2 FT (0.76 MILE)

OMISSION = 255.5 FT (0.05 MILE)  
TOTAL PROJECT LENGTH = 3,731.7 FT (0.71 MILE)



Matthew Baldwin, P.E.  
NO. 062-063297  
EXP. DATE 11/30/23

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED ON: January 12, 2022  
*[Signature]*  
VILLAGE OF SCHAUMBURG, ENGINEERING DIVISION MANAGER

PASSED FEB 14, 2022  
*[Signature]*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW FEBRUARY 15, 2022  
*[Signature]*  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

1475 EAST WOODFIELD ROAD, SUITE 600  
SCHAUMBURG, ILLINOIS 60173  
(847) 605-9600



FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

**GENERAL NOTES**

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022.
- THE REFERENCE BASELINE SHOWN IN THE PLANS WAS DEVELOPED FROM AERIAL DRAWINGS IN ORDER TO PROVIDE A GENERAL REFERENCE. ALL LAYOUT FOR PROPOSED WORK WILL NEED TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY OR ROW WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- MATERIALS RESULTING FROM THE REMOVAL OF CONCRETE SURFACES, UTILITY STRUCTURE ADJUSTMENT, RESTORATION WORK, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO SIDEWALK REPLACEMENT AND/OR CURB AND GUTTER REPLACEMENT. AT LOCATIONS WHERE THE SIDEWALK OR CURB AND GUTTER IS SCHEDULED TO BE REMOVED, THE CONTRACTOR SHALL CONTACT THE BUSINESS 24 HOURS PRIOR TO REMOVING THE CURB OR SIDEWALK. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES.
- 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.
- 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.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT FADI SULTAN THE AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO VILLAGE OF SCHAUMBURG FIRE STATION NO. 52 AT ALL TIMES.

**SIGNING AND STRIPING**

- IN ACCORDANCE WITH ARTICLE 107.25, THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SIGNS THAT INTERFERE WITH CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.

**REMOVALS AND ADJUSTMENTS**

- HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING.
- WHEN REMOVING PAVEMENT, CURB AND GUTTER, SIDEWALK, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS WHICH MIGHT DAMAGE ADJACENT PAVEMENT OR UNDERGROUND PUBLIC OR PRIVATE UTILITIES WILL NOT BE PERMITTED. THE USE OF A FROST BALL WILL NOT BE PERMITTED.
- HMA SURFACE REMOVAL SHALL BE "ZEROED" OUT AT ALL BUTT JOINTS TO PROVIDE A RAMP TO THE SATISFACTION OF THE ENGINEER FOR TRAFFIC TO SAFELY TRAVEL FROM MILLED TO EXISTING PAVEMENT. THE REMAINING HMA TO REMOVED SHALL BE REMOVED THE SAME DAY AS NEW HMA IS TO BE PLACED. THE BUTT JOINTS AND TEMPORARY RAMPS SHALL BE AS DETAILED ON DISTRICT ONE BD-32, BUTT JOINT AND HMA TAPER DETAILS.

**UTILITIES**

- BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 AND THE VILLAGE OF SCHAUMBURG AT 847-923-6618 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED). ALL UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ENSURE ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
- ALL LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.

**EROSION CONTROL AND PROTECTION**

- POLLUTION CONTROL: THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES WITHIN THE PROJECT LIMITS.
- FOR ALL PROJECTS THE ENGINEER WILL INSPECT ALL TEMPORARY AND PERMANENT EROSION CONTROL STRUCTURES WEEKLY AND AFTER EACH 1/2 INCH OR MORE RAINSTORM EVENT AND INFORM AND DIRECT THE CONTRACTOR TO REPAIR / REPLACE ALL EROSION CONTROL MATERIALS / STRUCTURES PROMPTLY AS NEEDED.
- ONCE CONSTRUCTION IN A DISTURBED AREA HAS BEEN COMPLETED, PERMANENT STABILIZATION MEASURES WILL BE IMPLEMENTED WITHIN SEVEN (7) DAYS.
- ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED AS NECESSARY.
- INLET FILTERS SHALL BE INSTALLED IN ALL PROPOSED OPEN LID DRAINAGE STRUCTURES WITHIN THE PROJECT AREAS THAT WILL RECEIVE SEDIMENT LADEN DISCHARGE. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL SITE STABILIZATION.
- ALL DRAINAGE STRUCTURES MUST BE FREE FROM DIRT AND DEBRIS.

**RESTORATION**

- TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS TO A DEPTH OF FOUR (4) INCHES.
- TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.
- FERTILIZER NUTRIENTS SHALL BE APPLIED TO THE AREA ACCORDING TO THE IDOT STANDARD SPECIFICATIONS SECTION 252 FOR SODDING.
- ALL RESTORATION ADJACENT TO CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, AND DRIVEWAY REMOVAL AND REPLACEMENT SHALL CONSIST OF A 2 FOOT STRIP OF SOD AS DETAILED ON THE TYPICAL; SECTION AND D1 DETAIL BD24.

**MAINTENANCE OF TRAFFIC**

- THE CONTRACTOR SHALL MAINTAIN A MINIMUM 22' CLEAR WIDTH ROADWAY IN EACH DIRECTION FOR TWO-WAY TRAFFIC FLOW THROUGHOUT THE DURATION OF THE CONTRACT.
- THE CONTRACTOR SHALL BE ADVISED THAT MAINTENANCE OF TRAFFIC ON MEACHAM ROAD TO THE SOUTH OF HIGGINS ROAD, AND ON GOLF ROAD, BOTH EAST AND WEST OF MEACHAM ROAD, MAY BE REQUIRED AND SHALL BE AT THE DIRECTION OF THE ENGINEER.

**INDEX OF SHEETS**

1	COVER SHEET AND INDEX OF SHEETS
2	GENERAL NOTES AND HIGHWAY STANDARDS
3-8	SUMMARY OF QUANTITIES
9-10	TYPICAL SECTIONS
11-14	REMOVAL AND PLAN IMPROVEMENT
15-16	PAVEMENT MARKING PLAN
17-26	ADA RAMP DETAILS
27-28	TRAFFIC SIGNAL PLANS
29	BD-01 DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
30	BD-08 FRAMES AND LIDS ADJUSTMENT WITH MILLING
31	BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
32	BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
33	BD-32 BUTT JOINT AND HMA TAPER DETAILS
34	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
35	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
36	TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
37	TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
38	TC-22 ARTERIAL ROAD INFORMATION SIGN
39	TC-26 DRIVEWAY ENTRANCE SIGNING
40	TS-05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
41	TS-07 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

**HIGHWAY STANDARDS**

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442101-09	CLASS B PATCHES
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

**MAINTENANCE OF TRAFFIC (CONTINUED)**

- CHANGEABLE MESSAGE BOARDS SHALL BE PROVIDED THROUGHOUT CONSTRUCTION TO ALERT MOTORISTS OF THE STATUS OR CHANGES IN CONSTRUCTION STAGING. BOARDS SHALL BE PLACED FOR NB AND SB TRAFFIC LIMITS IN ADVANCE OF THE PROJECT AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL.
- ALL DRIVEWAYS AND SIDE STREETS SHALL REMAIN OPEN FOR TRAFFIC THROUGHOUT CONSTRUCTION.
- IT MAY BE NECESSARY TO CLOSE A DRIVEWAY/ENTRANCE FOR THE CONSTRUCTION OF THE ADA RAMPS. CONTRACTOR SHALL COORDINATE THE CLOSURE WITH THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL BARRICADES, AND/OR DRUMS, AND SIGNING TO IDENTIFY THE ENTRANCE CLOSURE.

MODEL: D:\refault FILE NAME: invalid expression"



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 150.0000 ft / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MEACHAM ROAD RESURFACING</b>			
<b>GENERAL NOTES AND HIGHWAY STANDARDS</b>			
SCALE:NOT TO SCALE	SHEET 1	OF 1	SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	2
CONTRACT NO. 61H57				
ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
						STU 75% FEDERAL 25% LOCAL	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONS	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
		20101000	TEMPORARY FENCE	FOOT	680	680	
		20101100	TREE TRUNK PROTECTION	EACH	3	3	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	357	357	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	31	31	
		28000510	INLET FILTERS	EACH	47	47	
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	747	747	
	*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	119	119	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	253	253	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	26,260	26,260	
	*	40600370	LONGITUDINAL JOINT SEALANT	FOOT	21,453	21,453	
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	350	350	
		40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	3,268	3,268	
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	3,812	3,812	
		42001300	PROTECTIVE COAT	SQ YD	1,637	1,637	
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	468	468	

MODEL: D:\dwg  
FILE NAME: mchad expression



USER NAME = stpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 100.000 * / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MEACHAM ROAD RESURFACING SUMMARY OF QUANTITIES</b>			
SCALE: NTS	SHEET 1 OF 6 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	3
CONTRACT NO. 61H57			ILLINOIS   FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONS	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,273	2,273	
		42400800	DETECTABLE WARNINGS	SQ FT	237	237	
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	35,475	35,475	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	543	543	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,110	2,110	
		44000600	SIDEWALK REMOVAL	SQ FT	2,314	2,314	
		60260100	INLETS TO BE ADJUSTED	EACH	1	1	
		60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	2	
		60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	5	5	
		60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,008	1,008	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,530	1,530	
		60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	24	24	
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	953	953	
**	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	170	170	
**	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6	

MODEL: Defaut  
FILE NAME: Invallo expression



USER NAME = sbpottorf	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 100.000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
SUMMARY OF QUANTITIES**

SCALE: NTS      SHEET 2 OF 6 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	4
CONTRACT NO. 61H57			ILLINOIS   FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONs	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
**	*	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	
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5	
		67100100	MOBILIZATION	L SUM	1	1	
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	24,303	24,303	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9,054	9,054	
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1,480	1,480	
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	40,069	40,069	
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	10,149	10,149	
		70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	476	476	
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	3,939	3,939	
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	846	846	

MODEL: Default  
FILE NAME: Invalid expression



USER NAME = sbpottorf	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 100.000 ' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 3 OF 6 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	5
CONTRACT NO. 61H57			ILLINOIS   FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONS	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
**		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,124	1,124	
**		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,242	10,242	
**		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,274	5,274	
**		78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	276	276	
**		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,321	2,321	
**		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	378	378	
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	60	60	
		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	15,987	15,987	
**	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3	
**	*	87300305	ELECTRIC CABLE IN TRENCH, LEAD-IN, NO. 14 1 PAIR	FOOT	4,908	4,908	
**	*	88600100	DETECTOR LOOP, TYPE I	FOOT	339	339	
**		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,076	4,076	
	*	K1001987	IRRIGATION SYSTEM	SQ YD	200	200	
	*	X0100002	GRADING AND SHAPING SPECIAL	SQ YD	96	96	
	*	X0326806	WASHOUT BASIN	L SUM	1	1	
	*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	180	180	

MODEL: Desktop  
FILE NAME: Invalid expression



USER NAME = slpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 4 OF 6 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	6
CONTRACT NO. 61H57			ILLINOIS   FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONs	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
	*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,353	3,353	
	*	X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	103	103	
	*	X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	1,075	1,075	
	*	X4420671	CLASS B PATCHES, TYPE I, 10 INCH (SPECIAL)	SQ YD	42	42	
	*	X4420682	CLASS B PATCHES, TYPE II, 10 INCH (SPECIAL)	SQ YD	778	778	
	*	X4420683	CLASS B PATCHES, TYPE III, 10 INCH (SPECIAL)	SQ YD	778	778	
	*	X4420684	CLASS B PATCHES, TYPE IV, 10 INCH (SPECIAL)	SQ YD	778	778	
	*	X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	61	61	
	*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	
	*	X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	42	42	
	*	X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	10	10	
	*	XX002258	STRUCTURES TO BE ADJUSTED	EACH	5	5	
	*	XX006344	SODDING (COMPLETE)	SQ YD	747	747	
**	*	XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	3,530	3,530	
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	118	118	

MODEL: Default  
FILE: Model: Inroad expression



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 100.000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 5 OF 6 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	7
CONTRACT NO. 61H57			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION TYPE CODE	
						STU 75% FEDERAL 25% LOCAL	
SPLTY	SP	PAY CODE REF NO.	DESCRIPTIONS	UNIT	QUANTITY	RESURFACING 0005 URBAN	TRAINEES 0042 URBAN
**	*	Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	14	14	
**	*	Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	14	14	
**	*	Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	14	14	
**	*	Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	10	10	
**	*	Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	10	10	
**	*	Z0033018	LED SIGNAL FACE RETROFIT, RED ARROW	EACH	4	4	
**	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	
	*	Z0075505	TIMBER RETAINING WALL REMOVAL	FOOT	16	16	
	*	Z0076600	TRAINEES	HOUR	500		500.0
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500.0

MODEL: D:\cshair  
FILE NAME: invalid\_expression"



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 100,000 ' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

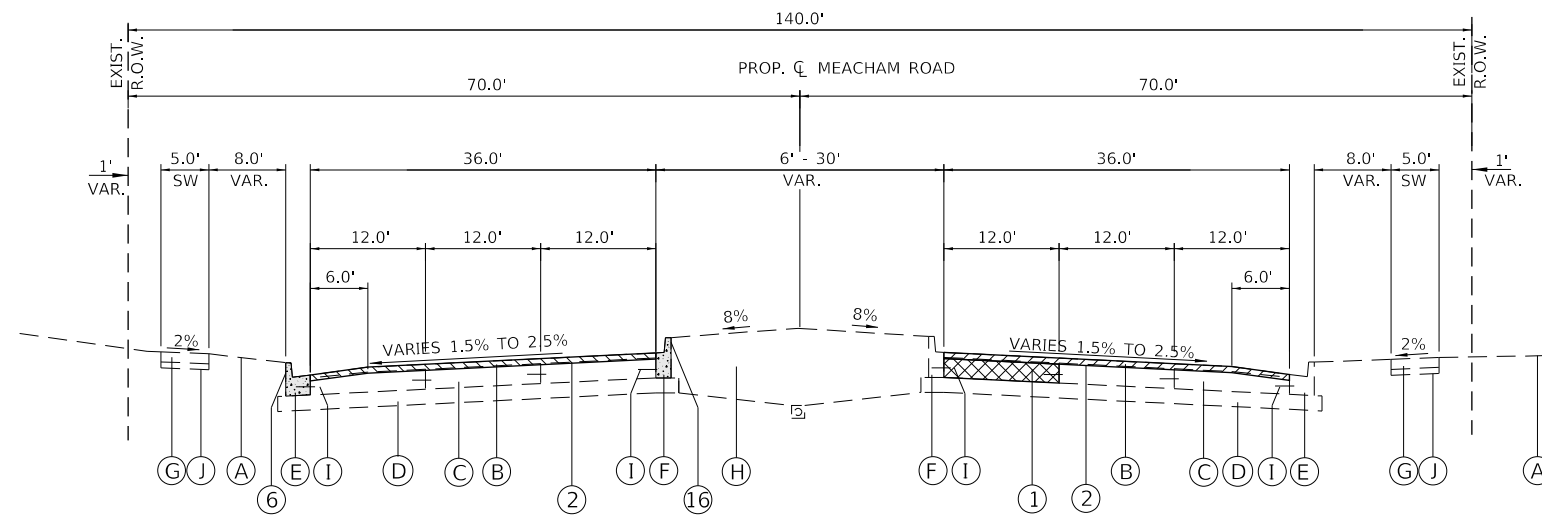
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
SUMMARY OF QUANTITIES**

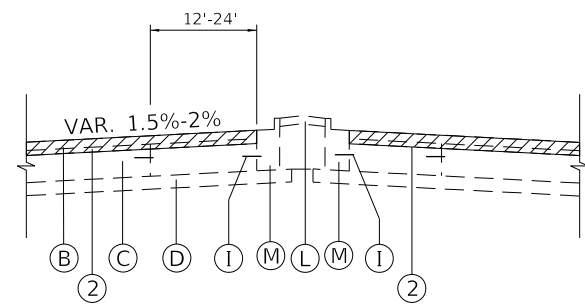
SCALE: NTS      SHEET 6 OF 6 SHEETS      STA.      TO STA.

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 8
CONTRACT NO. 61H57			ILLINOIS   FED. AID PROJECT	

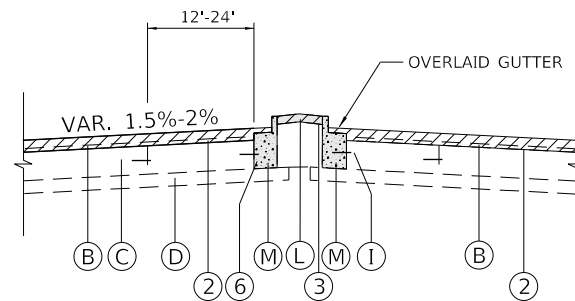




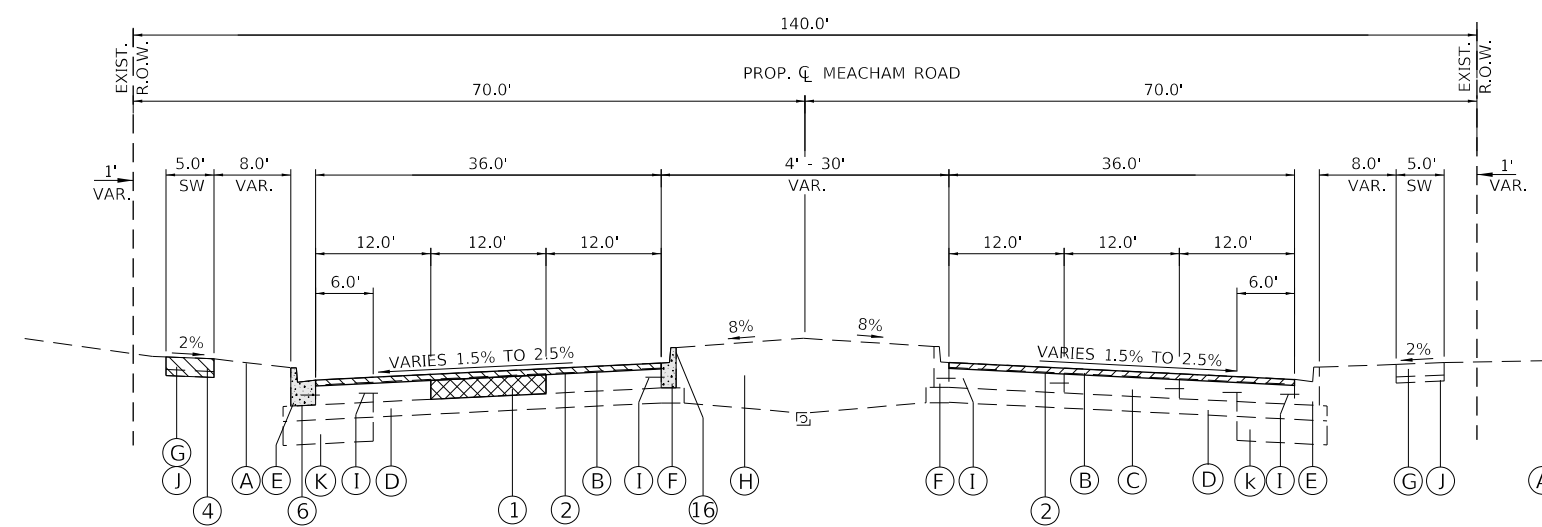
**EXISTING TYPICAL SECTION  
MEACHAM ROAD**  
STA. 210+68.50 TO STA. 220+82.00



**LEFT TURN BAY DETAIL**  
STA. 221+66 TO STA. 224+06  
STA. 222+62 TO STA. 228+00  
STA. 241+43 TO STA. 243+35  
STA. 246+47 TO STA. 249+92



**LEFT TURN BAY DETAIL - OVERLAID GUTTER**  
STA. 210+90 TO STA. 213+44



**EXISTING TYPICAL SECTION  
MEACHAM ROAD**  
STA. 220+82.00 TO STA. 224+06.30  
STA. 224+06.30 TO STA. 226+61.80 INTERSECTION OMISSION  
STA. 226+61.80 TO STA. 249+91.94

**EXISTING LEGEND**

- (A) GROUND LINE
- (B) HOT-MIX ASPHALT PAVEMENT:  
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL 9.5, N70 (1 3/4")  
LEVELING BINDER, N70 (VARIES 1/2" TO 1 1/2")
- (C) PC CONCRETE PAVEMENT, 10"
- (D) AGGREGATE SUBBASE, 7 1/2"
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (F) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
- (G) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (H) LANDSCAPED MEDIAN
- (I) TIE BARS (UNVERIFIED)
- (J) SUBBASE GRANULAR MATERIAL
- (K) POROUS GRANULAR EMBANKMENT, 12"
- (L) CONCRETE MEDIAN SURFACE, 4"
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

**PROPOSED LEGEND**

- (1) PAVEMENT REMOVAL (PART OF PATCHES)
- (2) HMA SURFACE REMOVAL, 3" OR VARIABLE DEPTH (SEE PLANS)
- (3) CONCRETE MEDIAN SURFACE REMOVAL
- (4) SIDEWALK REMOVAL
- (5) CLASS B PATCHING, 10"
- (6) COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- (7) NO. 6 X 2 LONG DEFORMED TIE BARS GROUDED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 606001)
- (8) SODDING (COMPLETE)
- (9) POLY HMA SURFACE COURSE, IL-9.5, MIX E, N70, 1 3/4"
- (10) HMA BINDER COURSE, IL-9.5, N70, 1 1/2"
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (13) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (14) CONCRETE MEDIAN SURFACE, 4"
- (15) PC CONCRETE SIDEWALK, 5"
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12

THE CONTRACTOR WILL MILL THE ENTIRE SURFACE PRIOR TO PATCHING

SIDEWALK TO BE REMOVED AT LOCATIONS IDENTIFIED IN THE PLANS

PCC MEDIAN SURFACE TO BE REMOVED AT LOCATIONS IDENTIFIED IN THE PLANS

THE INTERSECTION AT WOODFIELD ROAD (STA. 224+06.30 TO 226+61.80) HAS BEEN OMITTED DUE TO RECENT IMPROVEMENTS

MODEL: Default  
FILE NAME: Invalid expression



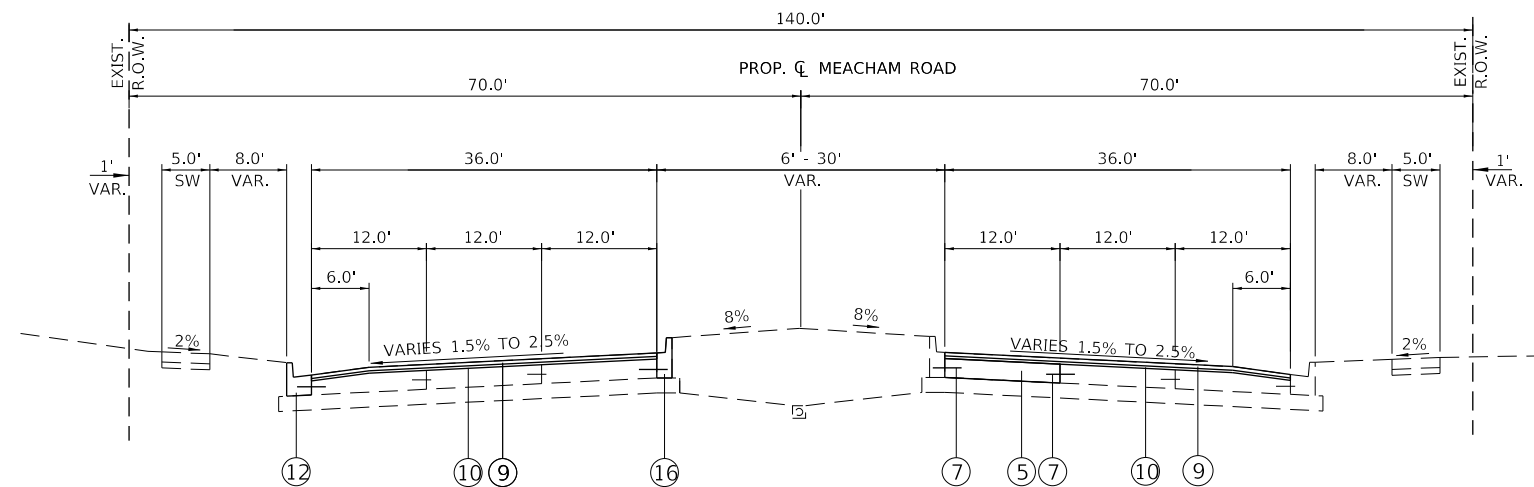
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
EXISTING TYPICAL SECTIONS**

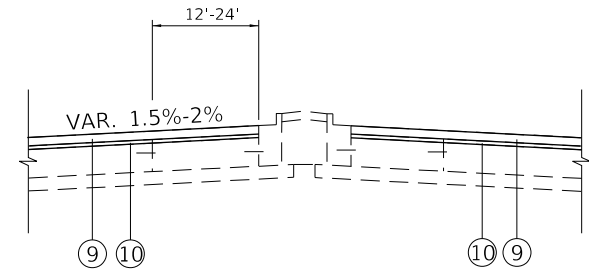
SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	9
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

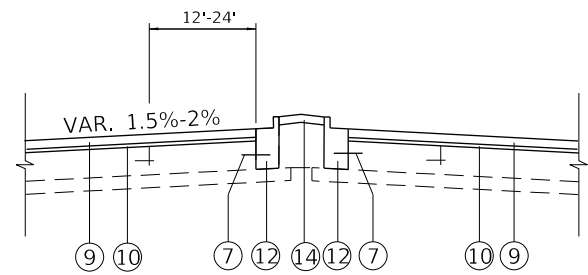


\* THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE THE HMA BC IL-9.5 N70.

PROPOSED TYPICAL SECTION  
MEACHAM ROAD  
STA. 210+68.50 TO STA. 220+82.00

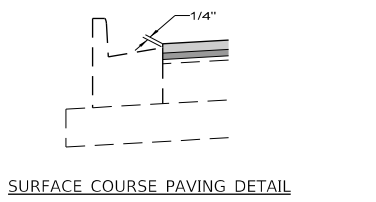


LEFT TURN BAY DETAIL  
STA. 221+66 TO STA. 224+06  
STA. 222+62 TO STA. 228+00  
STA. 241+43 TO STA. 243+35  
STA. 246+47 TO STA. 249+92

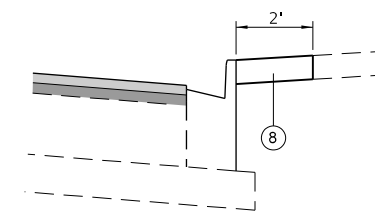


LEFT TURN BAY DETAIL  
STA. 210+90 TO STA. 213+44

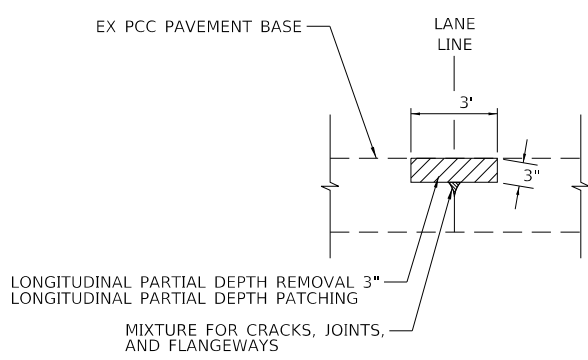
**UNDERCUTS - AGGREGATE SUBGRADE IMPROVEMENT:**  
WHERE UNDERCUT IS REQUIRED BELOW PAVEMENT PATCHES, THE UNDERCUT WILL BE REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT. A NOMINAL QUANTITY OF 119 CY AGGREGATE SUBGRADE IMPROVEMENT AND 357 SY OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAVE BEEN PROVIDED FOR USE TO REPAIR THE SUBGRADE. UNDERCUT AREAS WILL BE AS DIRECTED BY THE ENGINEER.



SURFACE COURSE PAVING DETAIL



RESTORATION DETAIL

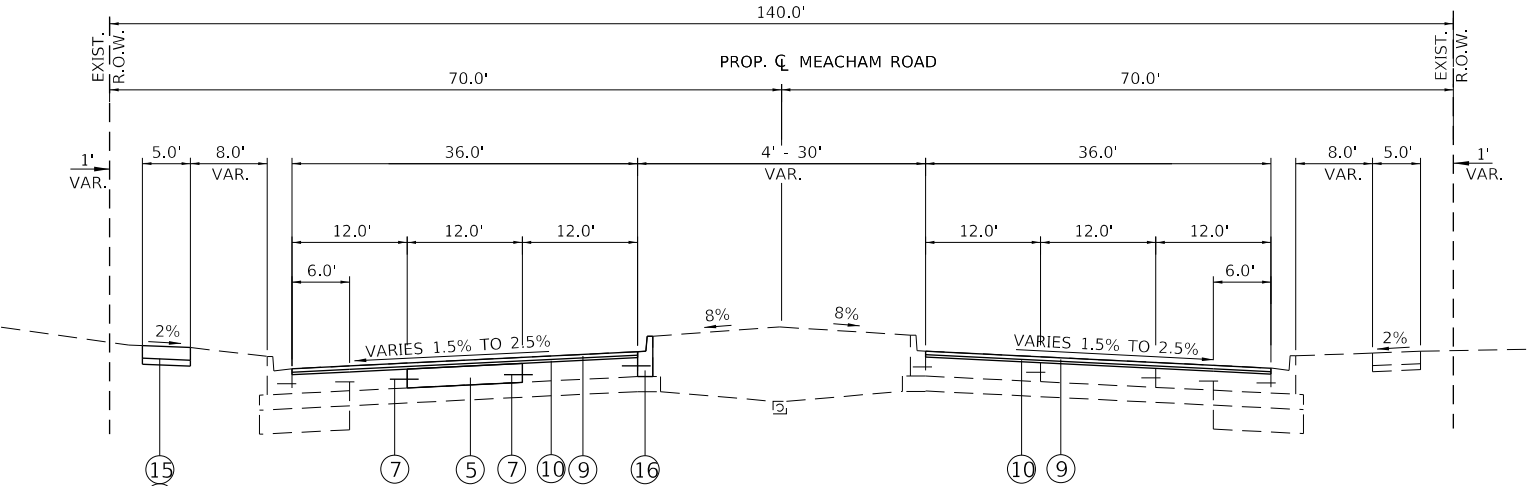


LONGITUDINAL JOINT REPAIR DETAIL

**JOINT REPAIR NOTE:**

THE FOLLOWING NOMINAL QUANTITIES ARE PROVIDED FOR LONGITUDINAL JOINT REPAIR. THE ACTUAL NEED FOR LONGITUDINAL JOINT REPAIR SHALL BE DETERMINED BY THE ENGINEER. FOR OPEN CRACKS DEEPER THAN 1.5", THE CRACK SHALL BE FILLED WITH MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS IN ACCORDANCE WITH SECTION 406 AS DIRECTED BY THE ENGINEER.

NOMINAL QUANTITIES:	UNIT	QUANTITY
MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	20
LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	1,075
LONGITUDINAL PARTIAL DEPTH PATCHING	TON	41



(ADA RAMPS)

PROPOSED TYPICAL SECTION  
MEACHAM ROAD  
STA. 220+82.00 TO STA. 224+06.30  
STA. 224+06.30 TO STA. 226+61.80 INTERSECTION OMISSION  
STA. 226+61.80 TO STA. 249+91.94

**EXISTING LEGEND**

- (A) GROUND LINE
- (B) HOT-MIX ASPHALT PAVEMENT:  
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL 9.5, N70 (1 3/4")  
LEVELING BINDER, N70 (VARIES 1/2" TO 1 1/2")
- (C) PC CONCRETE PAVEMENT, 10"
- (D) AGGREGATE SUBBASE, 7 1/2"
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (F) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
- (G) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (H) LANDSCAPED MEDIAN
- (I) TIE BARS (UNVERIFIED)
- (J) SUBBASE GRANULAR MATERIAL
- (K) POROUS GRANULAR EMBANKMENT, 12"
- (L) CONCRETE MEDIAN SURFACE, 4"
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

**PROPOSED LEGEND**

- (1) PAVEMENT REMOVAL (PART OF PATCHES)
- (2) HMA SURFACE REMOVAL, 3" OR VARIABLE DEPTH (SEE PLANS)
- (3) CONCRETE MEDIAN SURFACE REMOVAL
- (4) SIDEWALK REMOVAL
- (5) CLASS B PATCHING, 10"
- (6) COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- (7) NO. 6 X 2 LONG DEFORMED TIE BARS GROUTED-IN-PLACE (EPOXY COATED) AT 2' C-C (STANDARD 606001)
- (8) SODDING (COMPLETE)
- (9) POLY HMA SURFACE COURSE, IL-9.5, MIX E, N70, 1 3/4"
- (10) HMA BINDER COURSE, IL-9.5, N70, 1 1/2"
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (13) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (14) CONCRETE MEDIAN SURFACE, 4"
- (15) PC CONCRETE SIDEWALK, 5"
- (16) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

ITEM	AIR VOIDS @ Ndes	QMP
MEACHAM ROAD RESURFACING		
POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX E, N70, 1 3/4"	4% @ 70 GYR.	LR 1030-2
HMA BINDER COURSE, IL-9.5, N70, 1 1/2"	4% @ 70 GYR.	LR 1030-2
PATCHING		
LONGITUDINAL PARTIAL DEPTH PATCHING (HMA BINDER, IL-19.0), 3"	4% @ 70 GYR.	LR 1030-2

- QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/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 SPECIAL PROVISIONS.

MODEL: Default  
FILE NAME: Invalid expression



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/25/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MEACHAM ROAD RESURFACING  
PROPOSED TYPICAL SECTIONS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	10
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

**REMOVAL NOTES**

1. THE REFERENCE BASELINE WAS DEVELOPED FROM AERIAL AND RECORD DRAWINGS IN ORDER TO PROVIDE A GENERAL REFERENCE. ALL LAYOUT FOR THE PROPOSED WORK WILL NEED TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
2. CURB REMOVAL IN THE DRIVEWAY WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED PART OF THE DRIVEWAY REMOVAL.
3. CONSTRUCT OF THE TEMPORARY HMA RAMP SHALL BE INCLUDED IN THE COST OF SURFACE REMOVAL - BUTT JOINTS.
4. INSTALL INLET FILTERS IN ALL OPEN LID STRUCTURES WITHIN THE PAVEMENT AREAS THAT WILL BE SURFACED MILLED AND RECEIVE SEDIMENT LADEN DISCHARGE.
5. TEMPORARY FENCE SHALL BE INSTALLED AT THE DRIP LINE OF THE TREES. AN ADDITIONAL NOMINAL QUANTITY OF TEMPORARY FENCE HAS BEEN ADDED TO THE PLANS FOR THE CONTRACTOR'S USE AT EXCAVATION SITES.

**REMOVAL LEGEND**

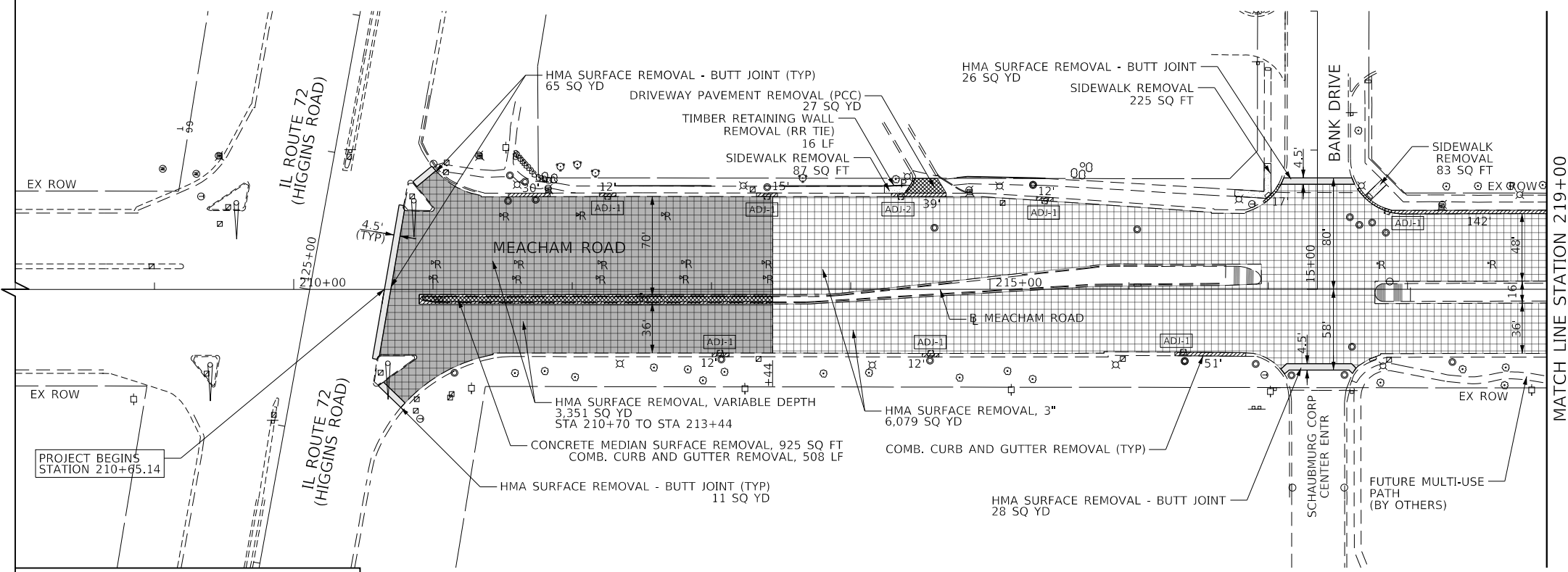
- HMA SURFACE REMOVAL, 3"
- HMA SURFACE REMOVAL, VARIABLE DEPTH (STA 210+70 TO STA 213+44)
- DRIVEWAY PAVEMENT REMOVAL (PCC)
- CONCRETE SIDEWALK REMOVAL
- COMB. CURB AND GUTTER REMOVAL
- CONCRETE MEDIAN SURFACE REMOVAL
- HMA SURFACE REMOVAL - BUTT JOINT (SEE BD32)
- CLASS B PATCH FOR INLET ADJUSTMENT
- RAISED REFLECTIVE MARKER REMOVAL
- TREE TRUNK PROTECTION
- TREE PROTECTION WITH TEMPORARY FENCE

**ADJUSTMENT LEGEND**

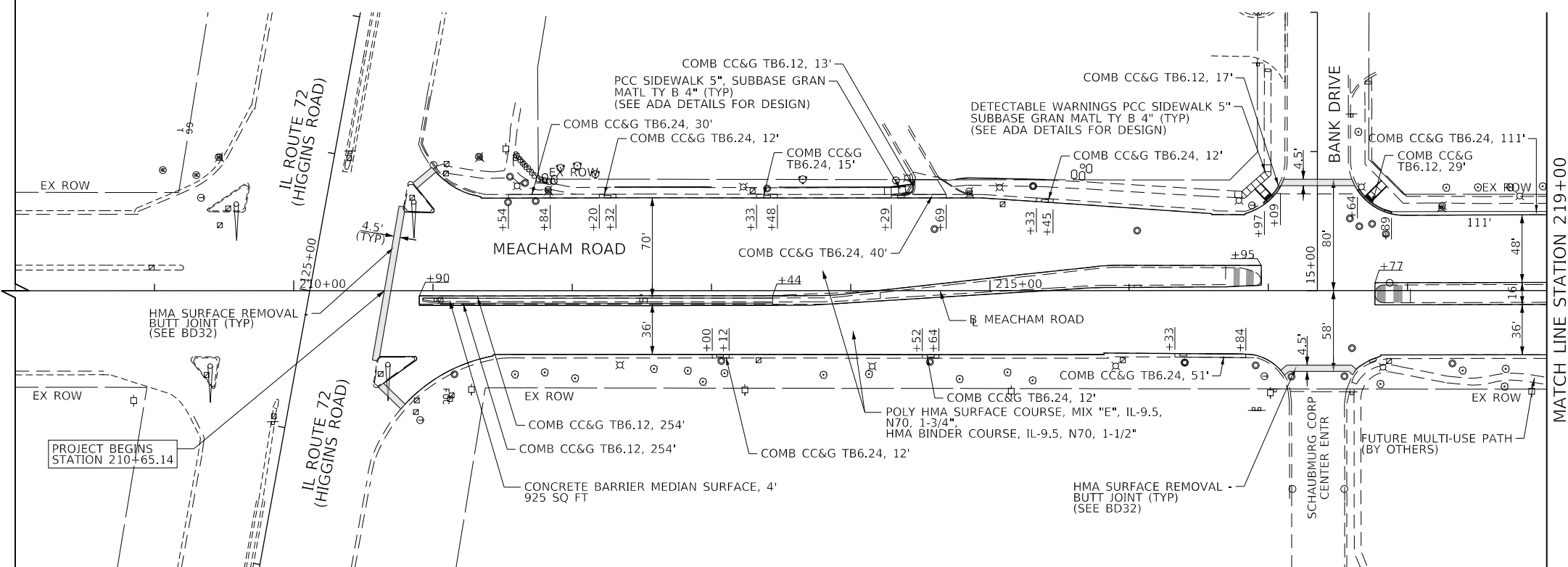
- TYPE 1 - STRUCTURE TO BE ADJUSTED (SEE NOTE 1)
- TYPE 2 - STRUCTURE TO BE ADJUSTED (SEE NOTE 2)
- TYPE 3 - STRUCTURE TO BE ADJUSTED (SEE NOTE 3)
- TYPE 4 - STRUCTURE TO BE ADJUSTED (SEE NOTE 4)
- WATER VAULT TO BE ADJUSTED WITH NEW TYPE I FRAME AND CLOSED LID (SEE NOTE 4)
- SANITARY MANHOLE TO BE ADJUSTED (NOTE 4)

**STRUCTURE ADJUSTMENT NOTES**

1. TYPE 1 ADJUSTMENTS APPLY TO THE DRAINAGE STRUCTURE IN THE CURB LINE AND INCLUDES A NEW NEENAH R-3066 COMBINATION FRAME AND GRATE. THIS WILL BE PAID FOR AS "FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)".
2. TYPE 2 ADJUSTMENTS APPLY TO THE DRAINAGE STRUCTURE IN THE CURB LINE AND INCLUDES A NEW TYPE 24 FRAME AND GRATE PER STD. 604091. THIS WILL BE PAID FOR AS "INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE".
3. TYPE 3 ADJUSTMENTS APPLY TO THE DRAINAGE STRUCTURE IN THE CURB LINE AND INCLUDES A NEW TYPE 11 FRAME AND GRATE PER STD. 604051. THIS WILL BE PAID FOR AS "INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE".
4. TYPE 4 ADJUSTMENTS APPLY TO THE DRAINAGE STRUCTURE IN TURF AREAS USING THE EXISTING FRAMES AND GRATES/LID. THIS WILL BE PAID FOR AS "INLETS TO BE ADJUSTED".
5. ALL NEW FRAMES WITH CLOSED LIDS SHALL HAVE "VILLAGE OF SCHAUMBURG" AND EITHER "WATER", "STORM" OR "SANITARY" CAST INTO THE LID.
6. ALL DRAINAGE STRUCTURES THAT HAVE BEEN ADJUSTED WILL BE CLEANED PER ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS.



**REMOVAL PLAN**



**ROADWAY PLAN**

MODEL: D:\ref\aut FILE NAME: final expression"



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
DRAWN - BMS	REVISED -	REVISED -
CHECKED - MNB	REVISED -	REVISED -
DATE - 02/23/2022	REVISED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
REMOVAL AND ROADWAY PLAN**

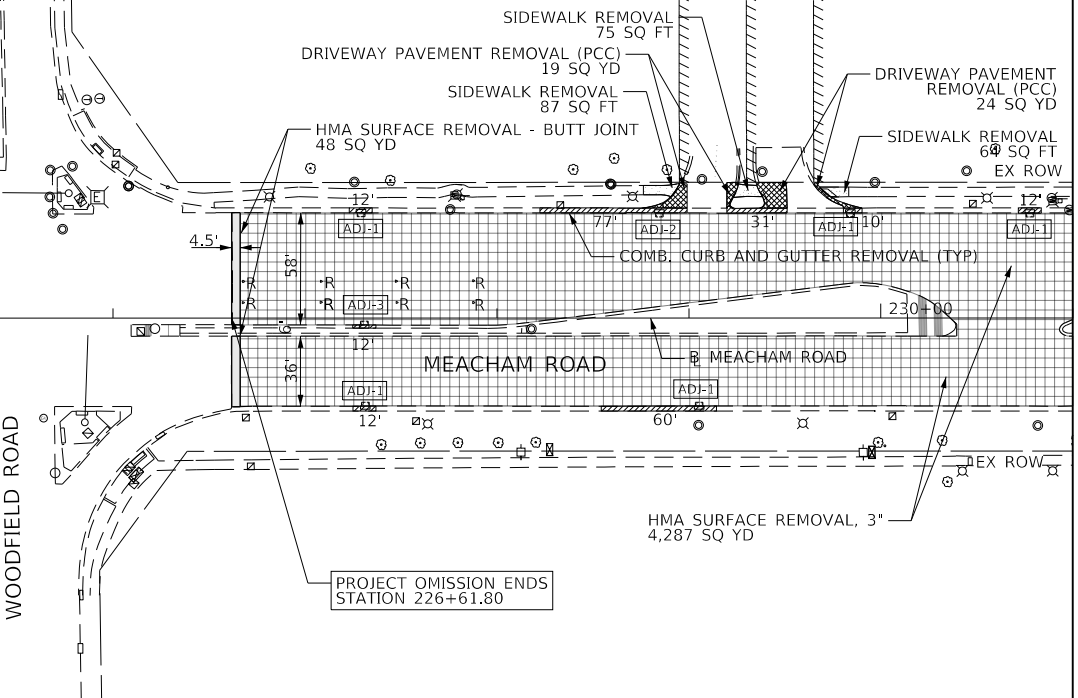
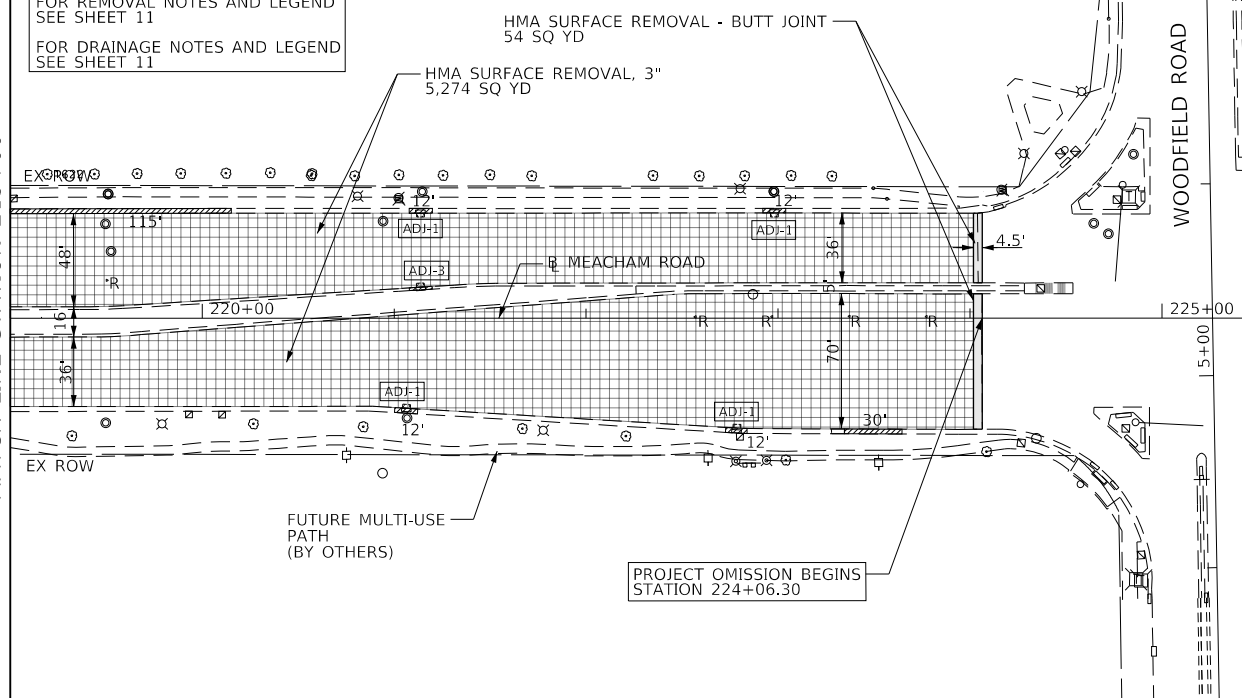
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 210+65.14 TO STA. 219+00.00

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H57	



FOR REMOVAL NOTES AND LEGEND  
SEE SHEET 11  
FOR DRAINAGE NOTES AND LEGEND  
SEE SHEET 11

SEE SHEET 11  
MATCH LINE STATION 219+00

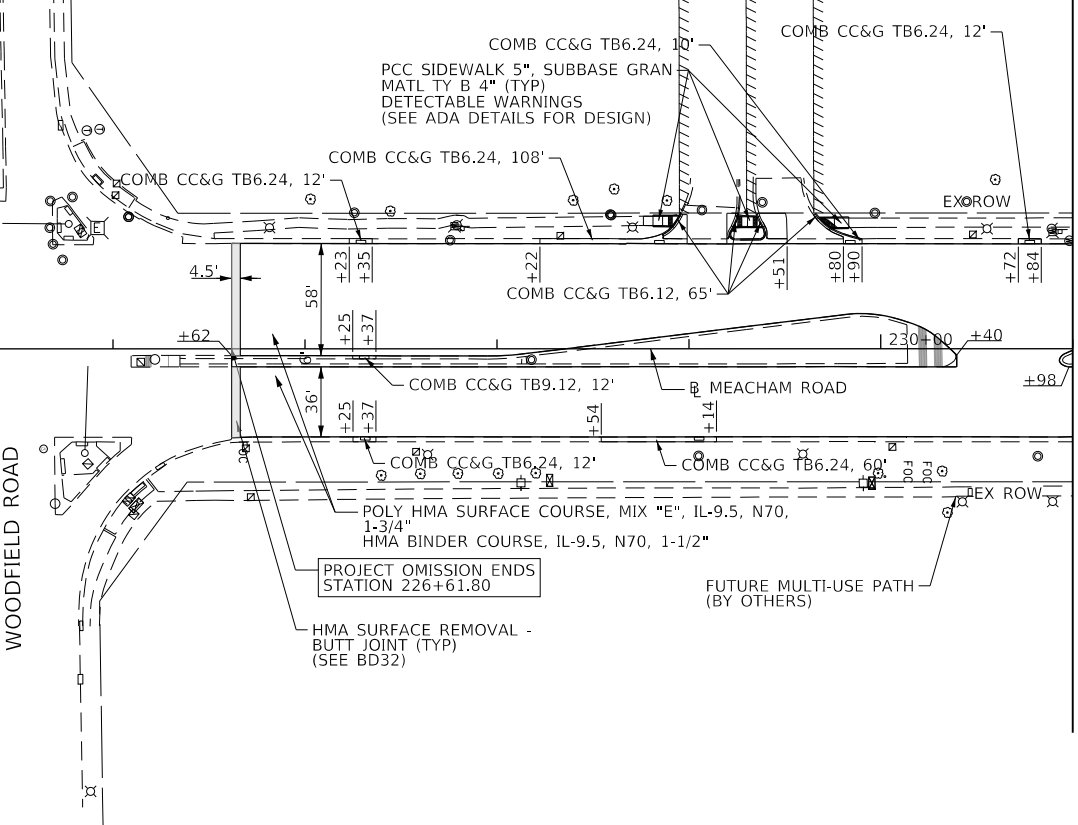
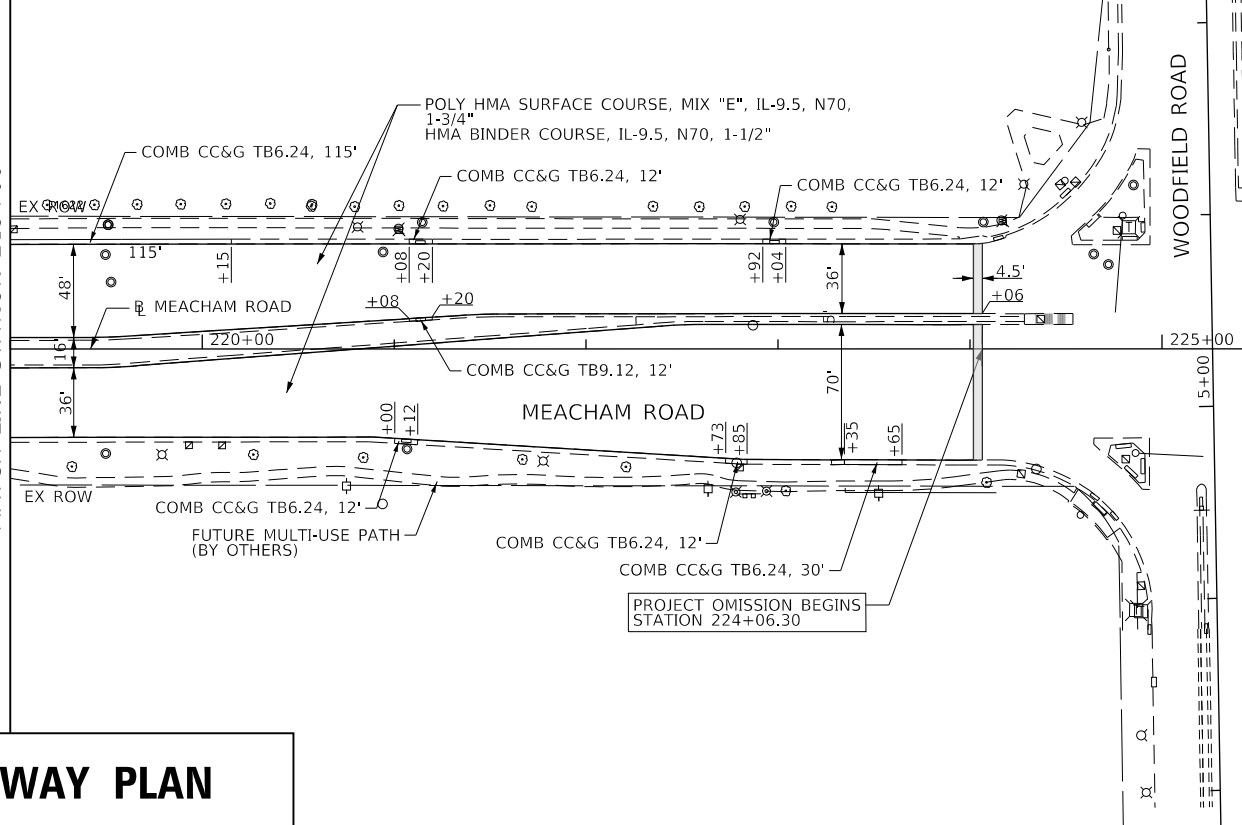


MATCH LINE STATION 231+00  
SEE SHEET 13

### REMOVAL PLAN



SEE SHEET 11  
MATCH LINE STATION 219+00



MATCH LINE STATION 231+00  
SEE SHEET 13

### ROADWAY PLAN

MODEL: Default  
FILE NAME: invalid expression



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### MEACHAM ROAD RESURFACING REMOVAL AND ROADWAY PLAN

SCALE: 1"=50'    SHEET 2 OF 4 SHEETS    STA. 219+00.00 TO STA. 231+00.00

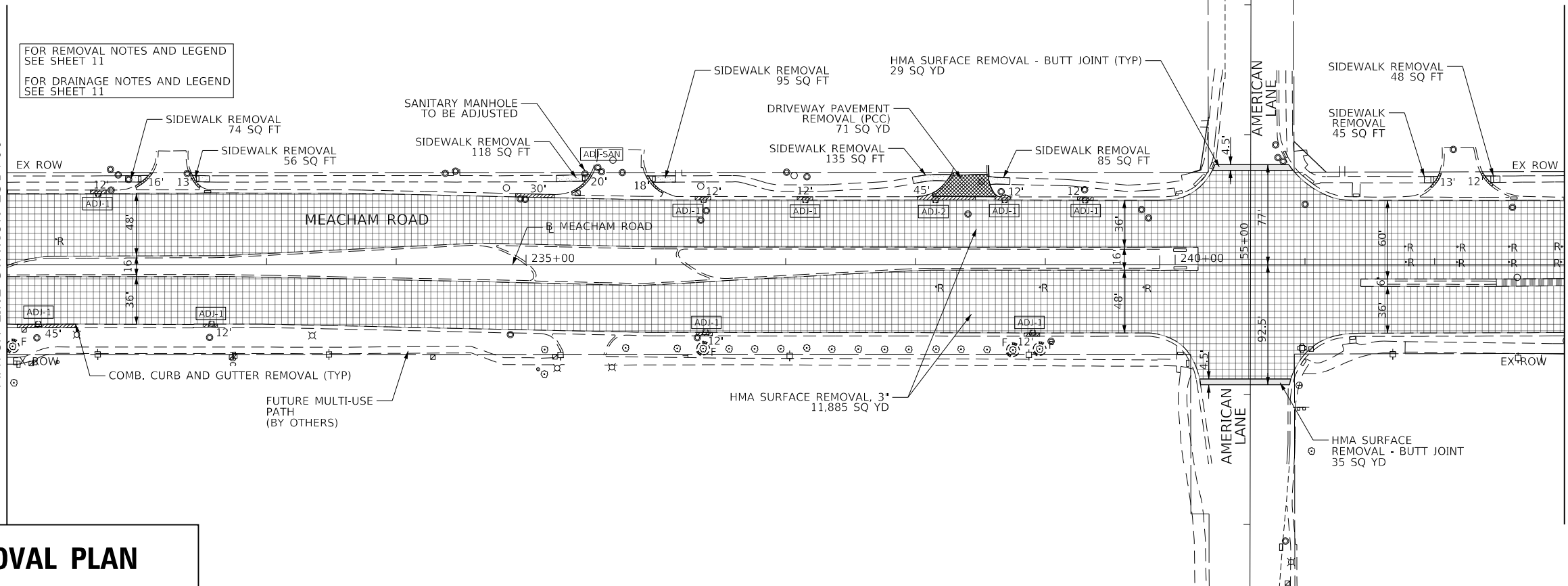
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	12
CONTRACT NO. 61H57				

ILLINOIS FED. AID PROJECT



FOR REMOVAL NOTES AND LEGEND  
SEE SHEET 11  
FOR DRAINAGE NOTES AND LEGEND  
SEE SHEET 11

SEE SHEET 12  
MATCH LINE STATION 231+00



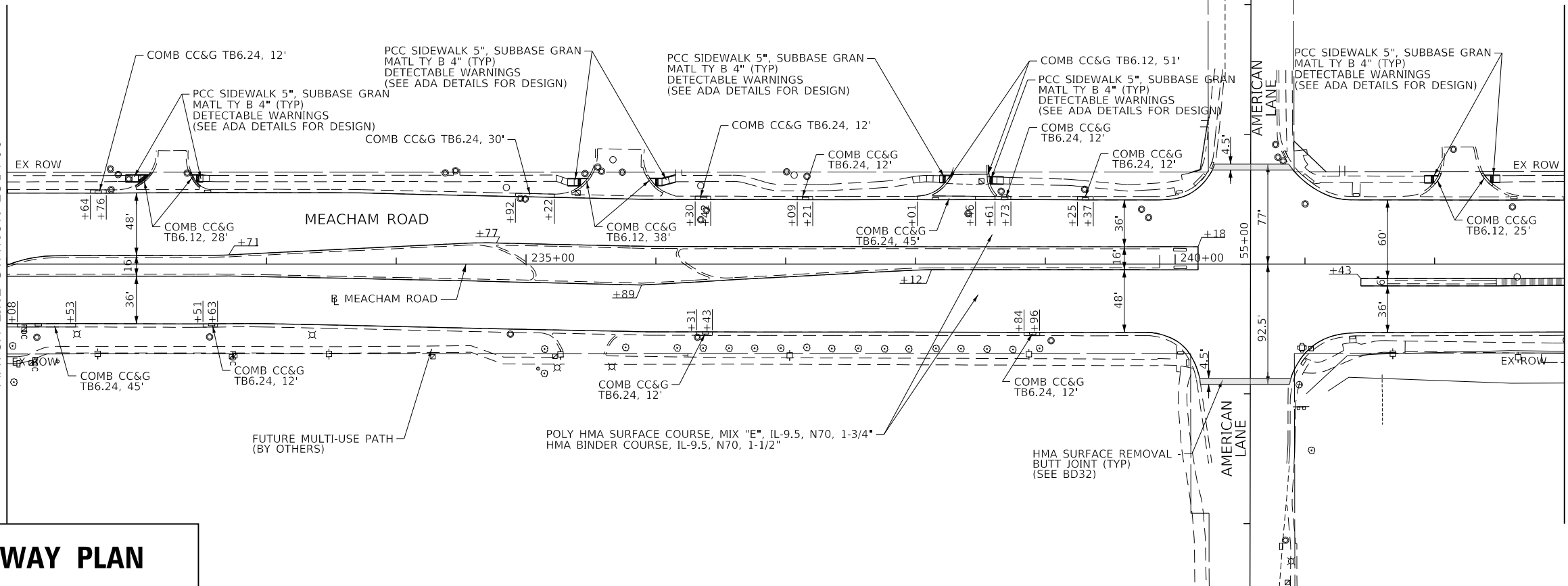
MATCH LINE STATION 243+00  
SEE SHEET 14



**REMOVAL PLAN**



SEE SHEET 12  
MATCH LINE STATION 231+00



MATCH LINE STATION 243+00  
SEE SHEET 14

**ROADWAY PLAN**

MODEL: Default  
FILE NAME: invalid expression



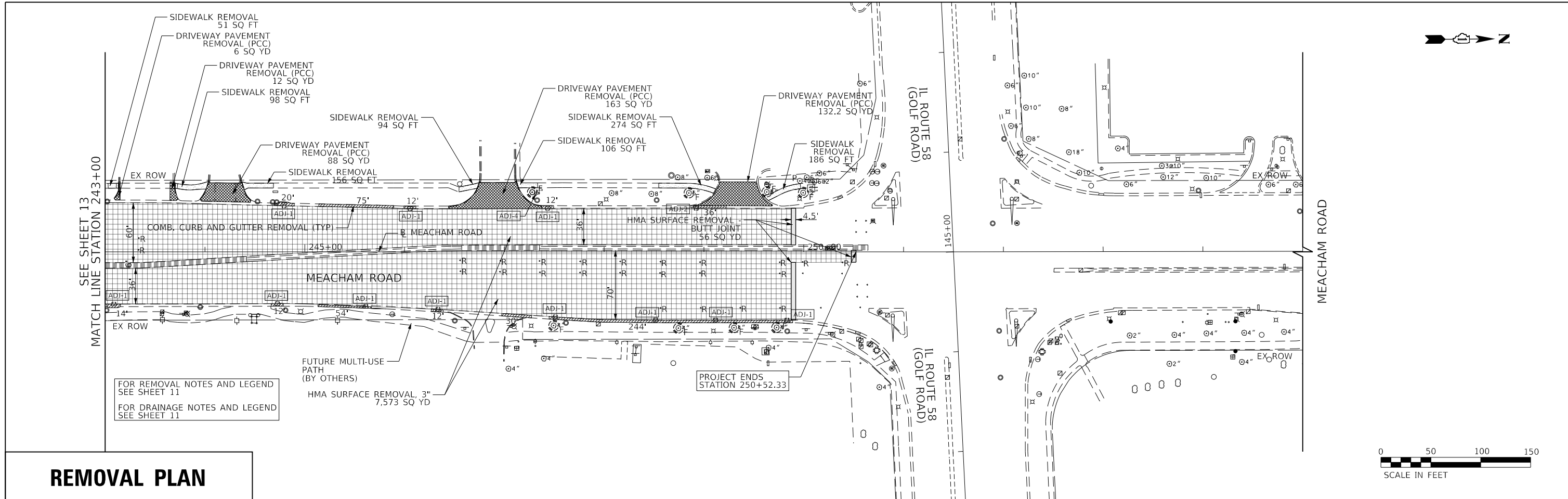
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

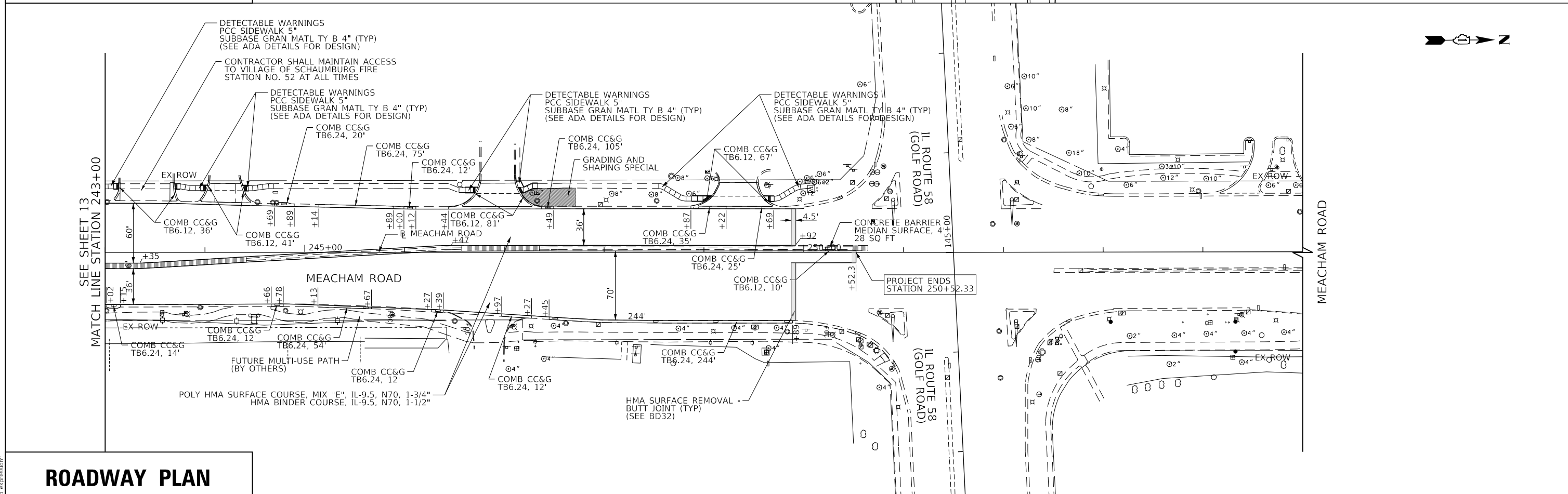
**MEACHAM ROAD RESURFACING  
REMOVAL AND ROADWAY PLAN**

SCALE: 1" = 50'    SHEET 3 OF 4 SHEETS    STA. 231+00.00 TO STA. 243+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	13
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				



**REMOVAL PLAN**



**ROADWAY PLAN**

MODEL: D:\p\aut FILE NAME: invalid expression"



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
REMOVAL AND ROADWAY PLAN**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 243+00.00 TO STA. 249+91.94

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	14
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING NOTES**

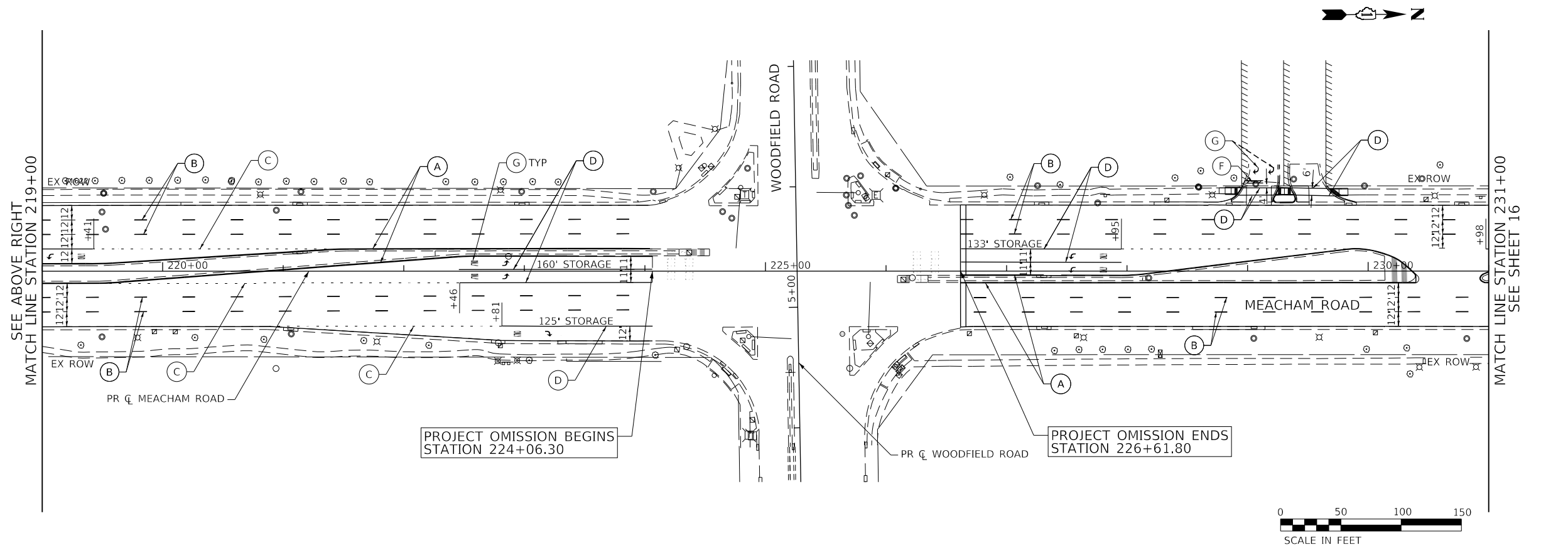
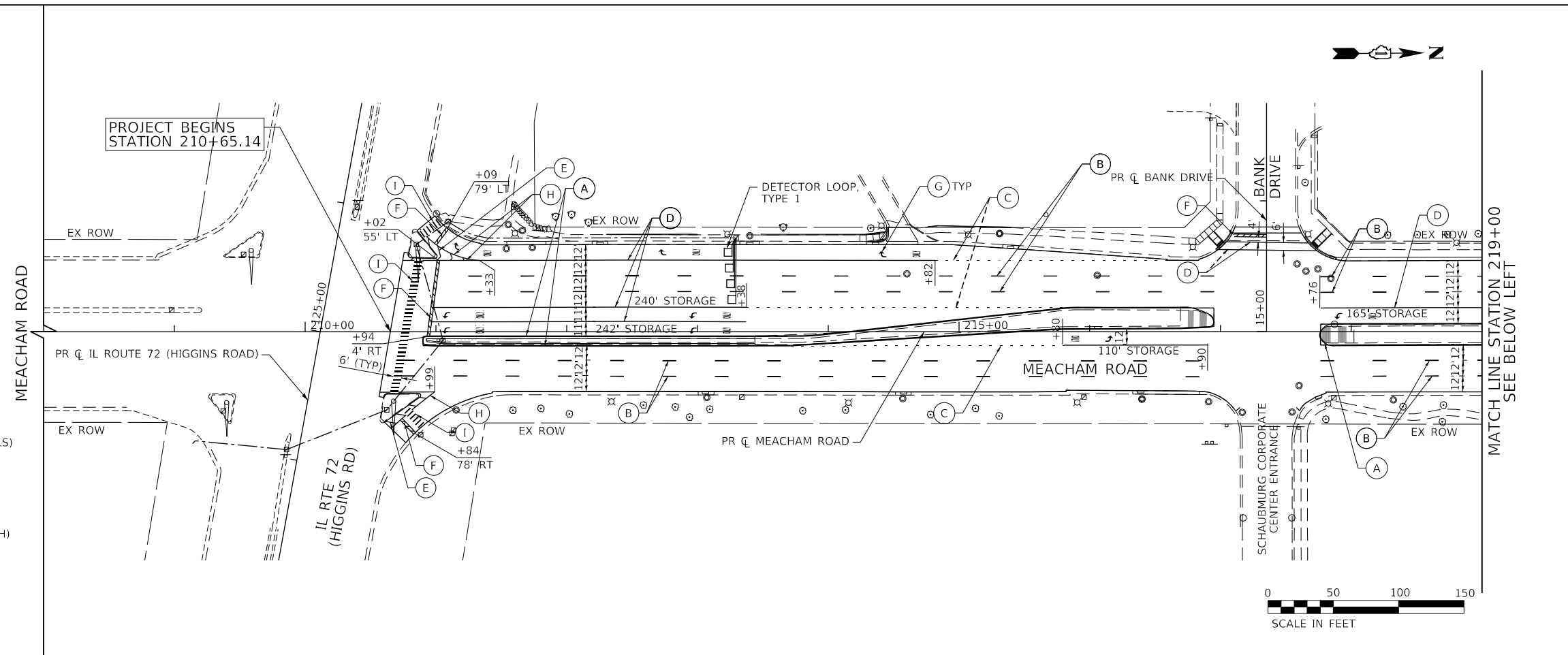
1. THE REFERENCE BASELINE WAS DEVELOPED FROM AERIAL AND RECORD DRAWINGS IN ORDER TO PROVIDE A GENERAL REFERENCE. ALL LAYOUT FOR THE PROPOSED WORK WILL NEED TO BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
2. FOR PAVEMENT MARKING DETAILS SEE IDOT DISTRICT ONE DETAIL TC-11, TC-13, TC-16, AND TC-23.
3. UNLESS OTHER SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, ALL PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE THERMOPLASTIC.
4. THE LOCATION OF TRAFFIC SIGNAL DETECTOR LOOPS ARE APPROXIMATED BASED ON RECORD DRAWINGS. THE ACTUAL LOCATION SHALL BE CONFIRMED IN THE FIELD.

**LOOP DETECTOR LEGEND**

- LOOP DETECTOR, TYPE 1
- EXISTING RACEWAY

**PAVEMENT MARKING LEGEND**

- (A) PAVEMENT MARKING - LINE 4" (SOLID, YELLOW)
- (B) PAVEMENT MARKING - LINE 4" (SKIP-DASH, 30' SKIP-10' DASH, WHITE)
- (C) PAVEMENT MARKING - LINE 6" (SKIP-DASH, 6' SKIP-2' DASH, WHITE)
- (D) PAVEMENT MARKING - LINE 6" (SOLID, WHITE)
- (E) PAVEMENT MARKING - LINE 12" (SOLID, 45° @ 10' C-C, WHITE DIAGONALS)
- (F) PAVEMENT MARKING - LINE 24" (SOLID, WHITE)
- (G) PAVEMENT MARKING - LETTERS AND SYMBOLS
- (H) PAVEMENT MARKING - LINE 8" (SOLID, WHITE)
- (I) PAVEMENT MARKING - LINE 12" (SOLID, WHITE)
- (J) PAVEMENT MARKING - LINE 6" (SOLID, 45° @ 8' C-C, WHITE CROSSHATCH)



MODEL: D:\default FILE NAME: invalid expression



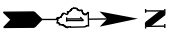
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
DRAWN - BMS	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

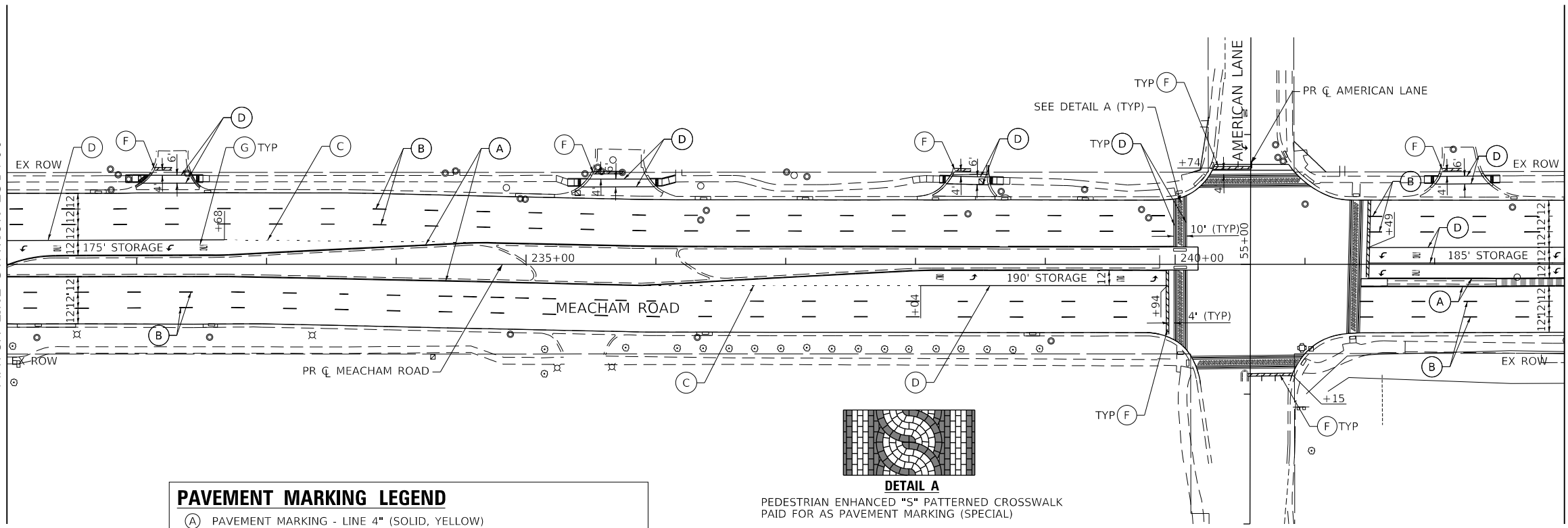
**MEACHAM ROAD RESURFACING  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 211+43.38 TO STA. 231+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	15
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				



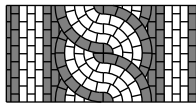
SEE SHEET 15  
MATCH LINE STATION 231+00



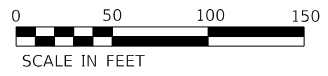
MATCH LINE STATION 243+00  
SEE BELOW LEFT

**PAVEMENT MARKING LEGEND**

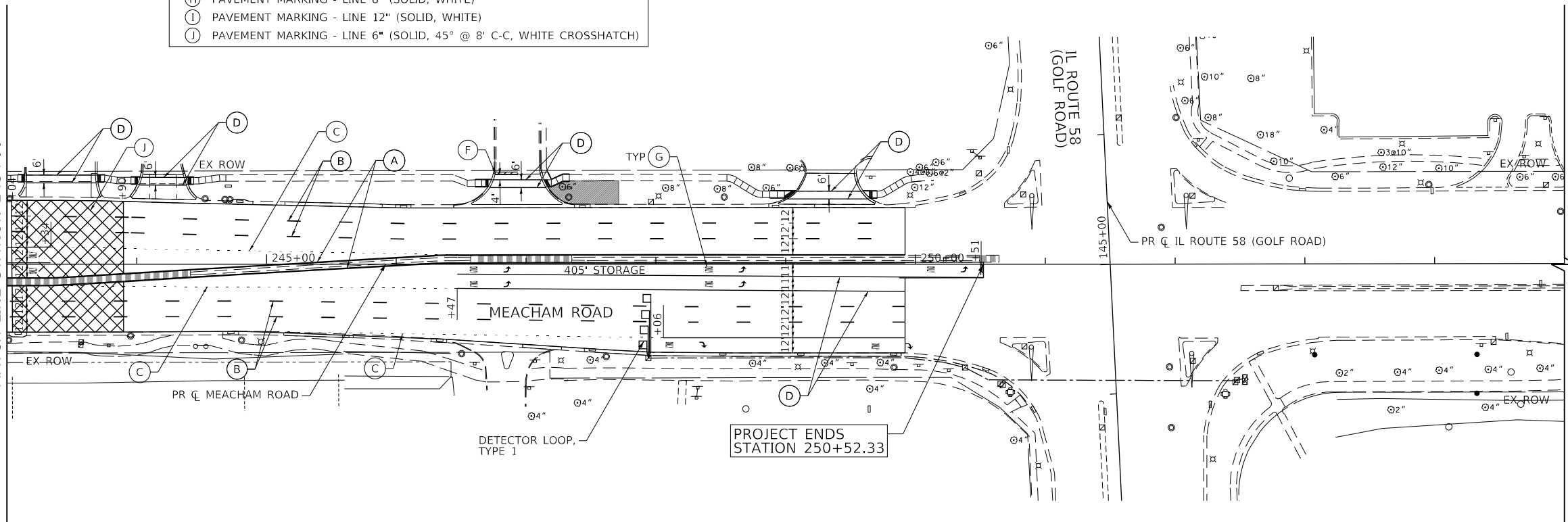
- (A) PAVEMENT MARKING - LINE 4" (SOLID, YELLOW)
- (B) PAVEMENT MARKING - LINE 4" (SKIP-DASH, 30' SKIP-10' DASH, WHITE)
- (C) PAVEMENT MARKING - LINE 6" (SKIP-DASH, 6' SKIP-2' DASH, WHITE)
- (D) PAVEMENT MARKING - LINE 6" (SOLID, WHITE)
- (E) PAVEMENT MARKING - LINE 12" (SOLID, 45° @ 10' C-C, WHITE DIAGONALS)
- (F) PAVEMENT MARKING - LINE 24" (SOLID, WHITE)
- (G) PAVEMENT MARKING - LETTERS AND SYMBOLS
- (H) PAVEMENT MARKING - LINE 8" (SOLID, WHITE)
- (I) PAVEMENT MARKING - LINE 12" (SOLID, WHITE)
- (J) PAVEMENT MARKING - LINE 6" (SOLID, 45° @ 8' C-C, WHITE CROSSHATCH)



**DETAIL A**  
PEDESTRIAN ENHANCED "S" PATTERNED CROSSWALK  
PAID FOR AS PAVEMENT MARKING (SPECIAL)

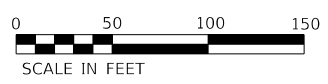


SEE ABOVE RIGHT  
MATCH LINE STATION 243+00



MEACHAM ROAD

PROJECT ENDS  
STATION 250+52.33



MODEL: Default  
FILE NAME: invalid expression



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

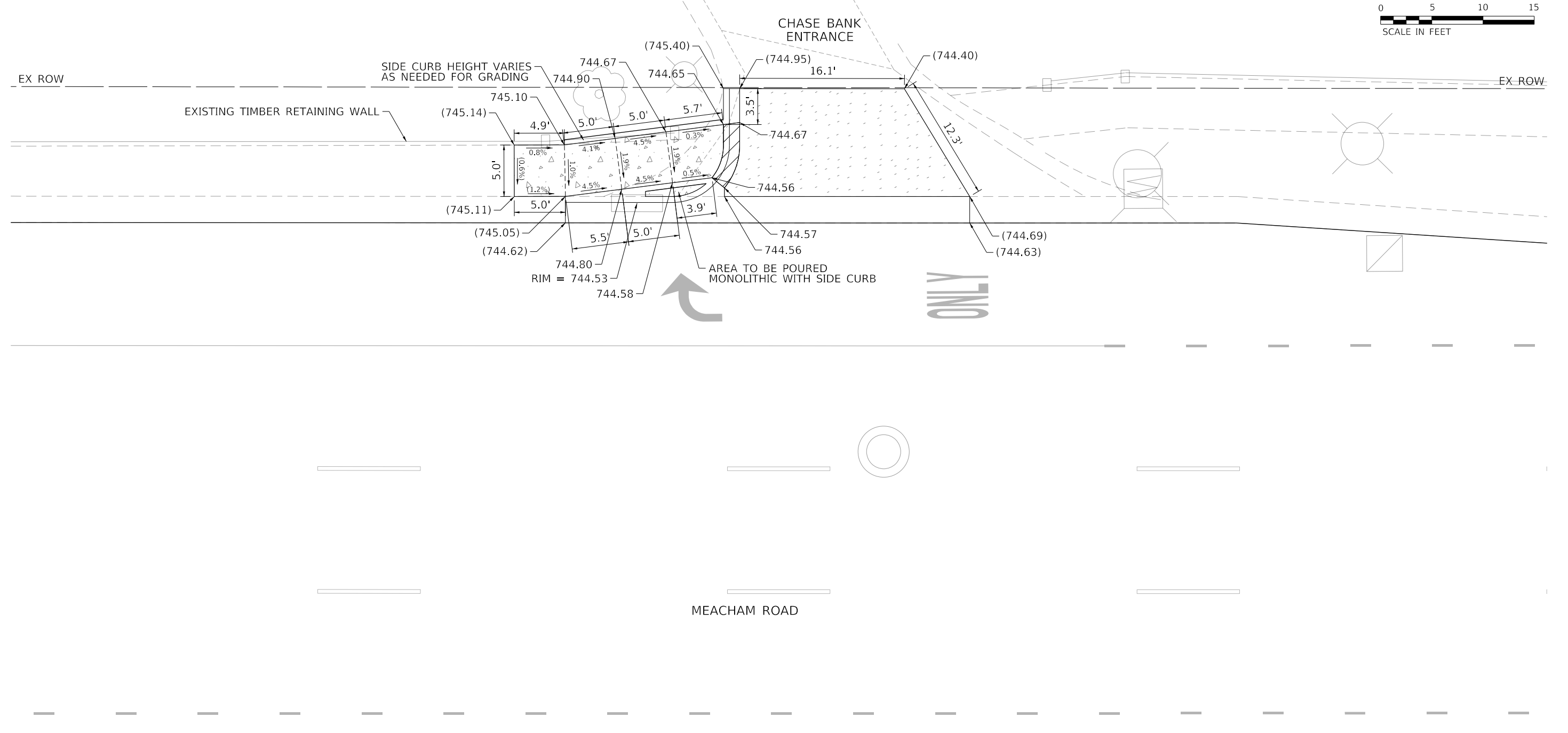
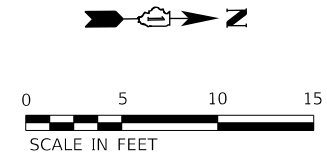
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 231+00.00 TO STA. 249+91.94

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	16
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				





BENCHMARK NUMBER 112  
 MONUMENT IS A 3 1/4" ALUMINUM CAP SET IN A 8" X 42" CONCRETE FILLED PVC PIPE, MARKED "1016" ON NORTHWEST CORNER OF MEACHAM ROAD AND BANK DRIVE  
 ELEV: 745.972  
 N: 1957836.090  
 E: 1062461.819

**LEGEND**

	PCC SIDEWALK 5"		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8"		



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

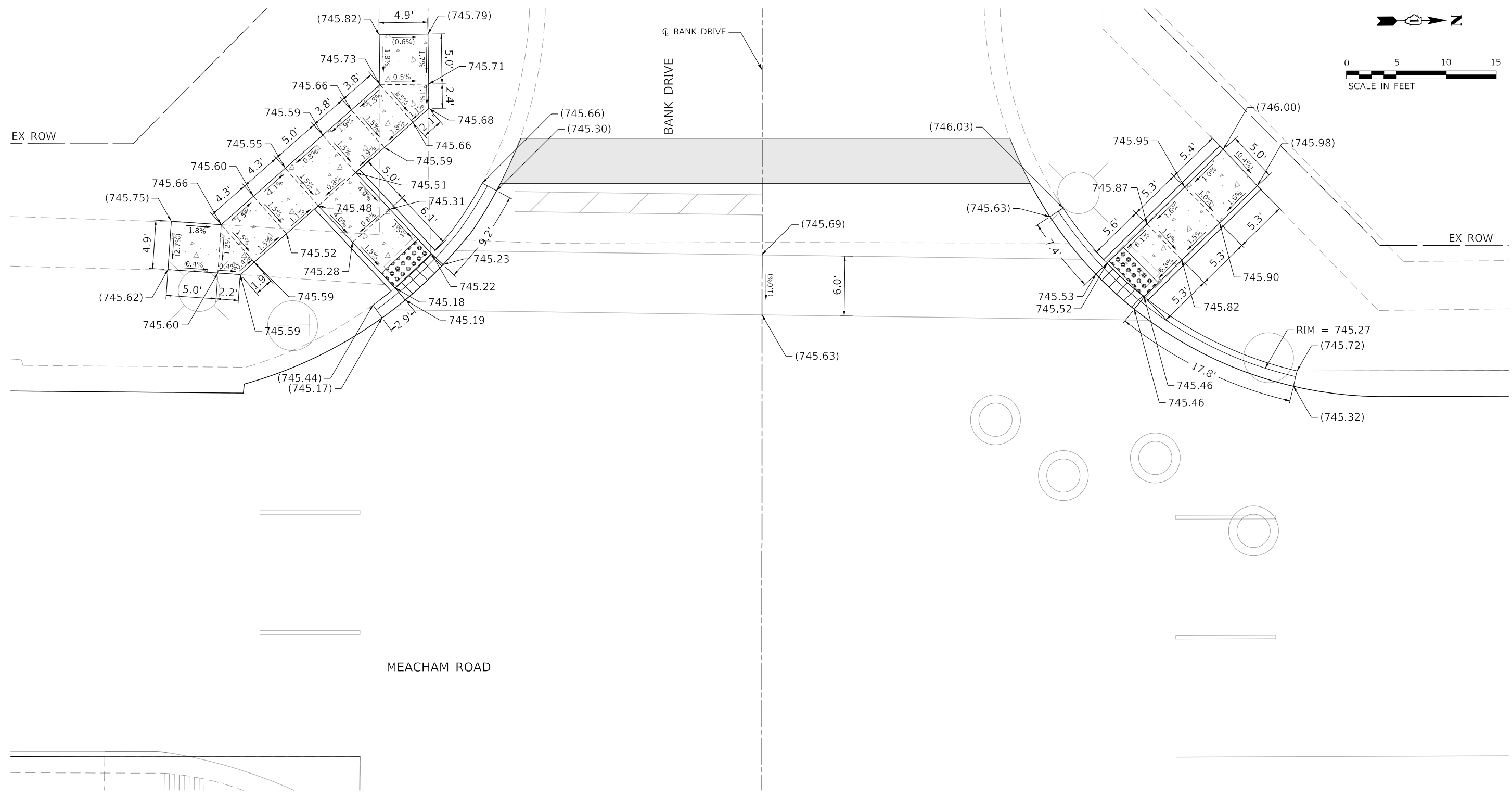
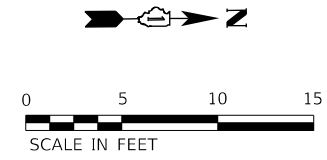
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 400 FT NORTH OF HIGGINS ROAD**

SCALE: 1"=5'    SHEET 1 OF 10 SHEETS    STA. 213+75 TO STA. 215+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	17
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: invalid\_expression"



BENCHMARK NUMBER 112  
 MONUMENT IS A 3 1/4" ALUMINUM CAP  
 SET IN A 8" X 42" CONCRETE FILLED PVC PIPE,  
 MARKED "1016" ON NORTHWEST CORNER OF  
 MEACHAM ROAD AND BANK DRIVE

ELEV: 745.972  
 N: 1957836.090  
 E: 1062461.819

**LEGEND**

	PCC SIDEWALK 5'		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8'		



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

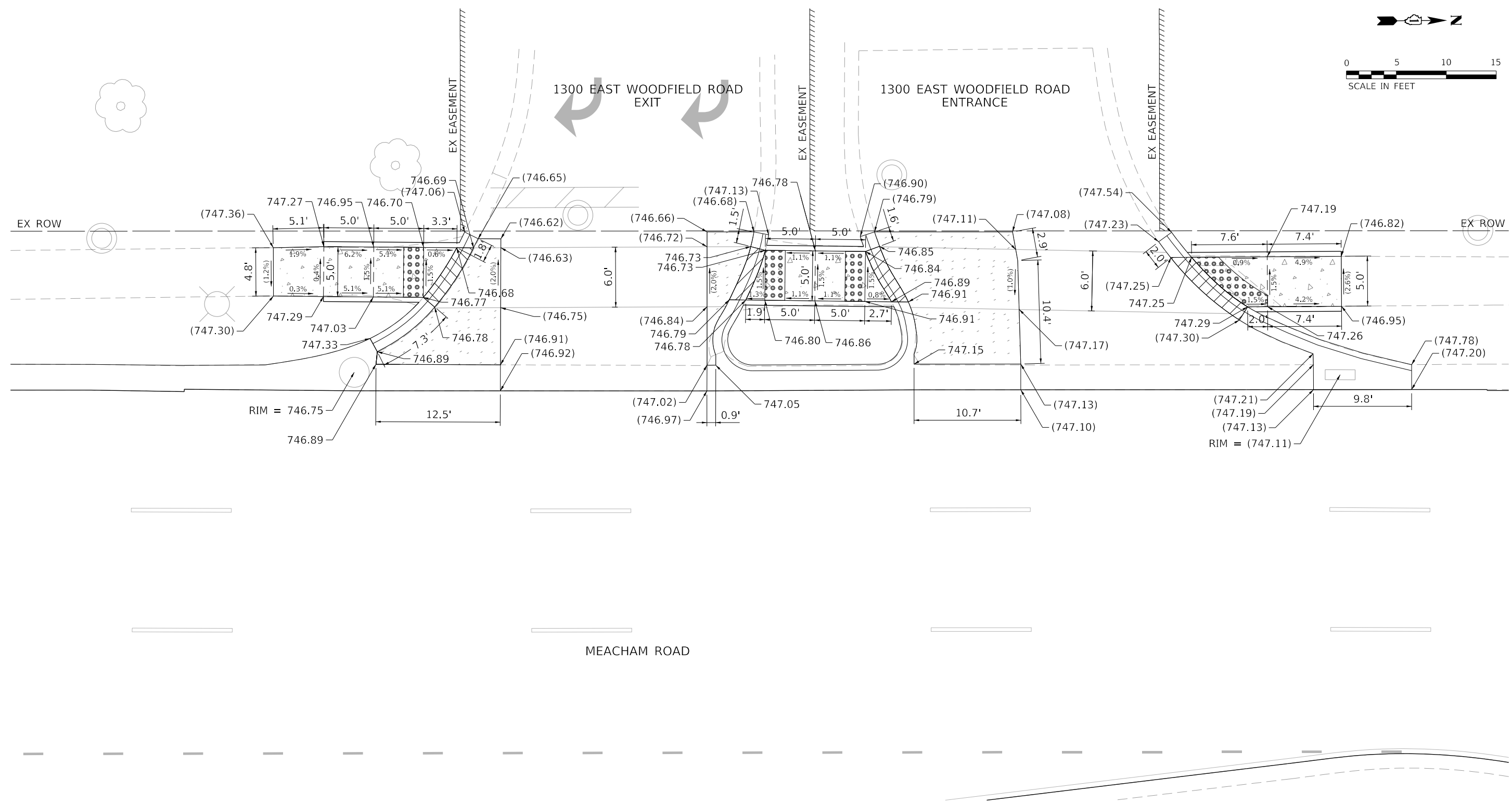
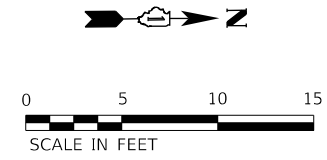
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT BANK DRIVE**

SCALE: 1"=5'    SHEET 2 OF 10 SHEETS    STA. 216+60 TO STA. 218+10

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H57	







MODEL: D:\p\out FILE NAME: invalid expression"



BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE OF MEACHAM ROAD NORTH OF FIRE STATION, APPROXIMATELY 400 FT NORTH OF AMERICAN LANE

ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

-  PCC SIDEWALK 5"
-  PROPOSED SIDE CURB
-  EXISTING ELEVATION / SLOPE
-  PCC DRIVEWAY PAVEMENT 8"
-  DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER

MODEL: D:\p\out FILE NAME: invalid expression"



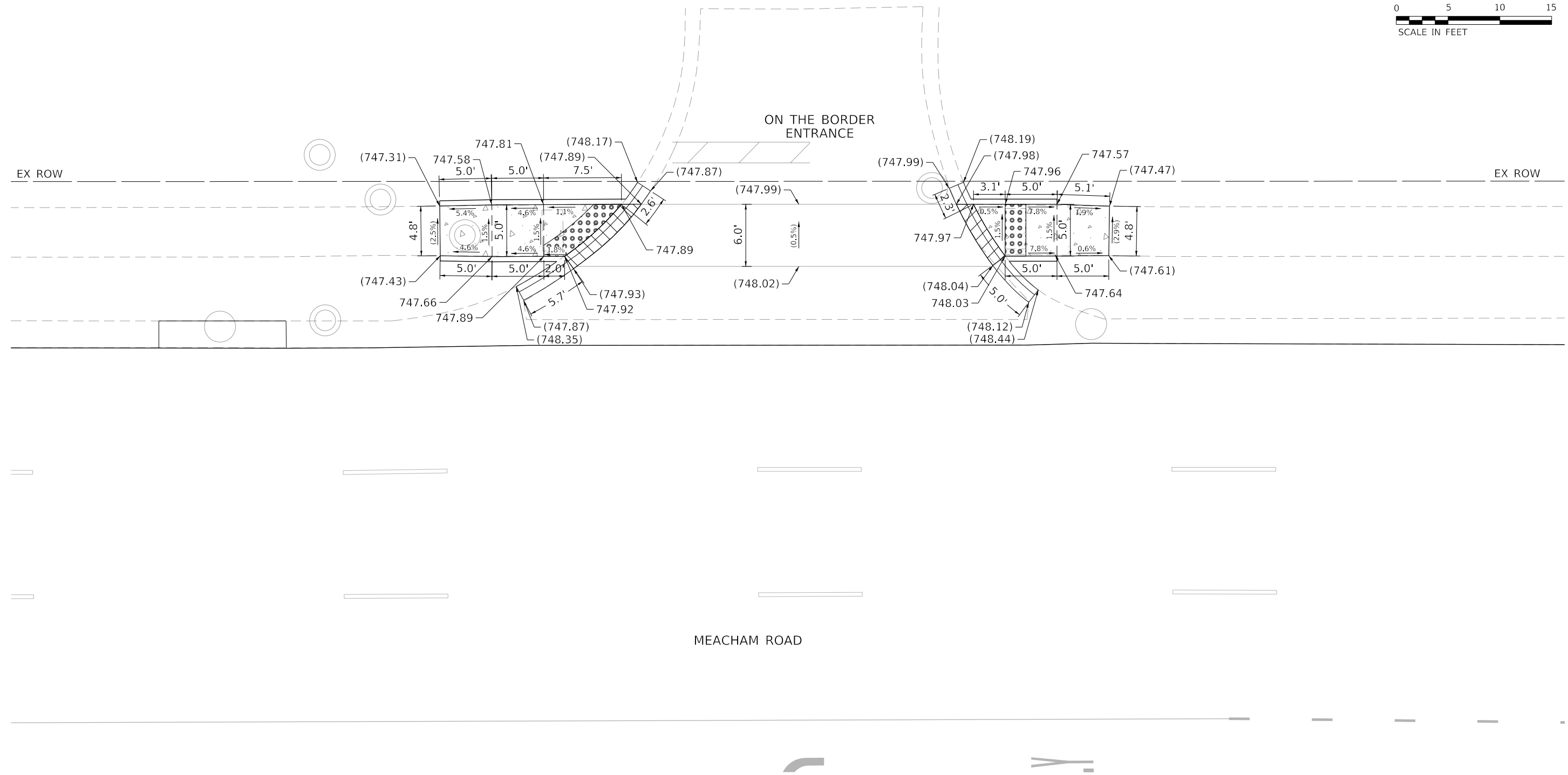
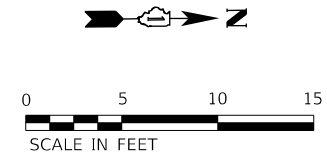
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 400 FT NORTH OF WOODFIELD ROAD**

SCALE: 1"=5'    SHEET 3    OF 10    SHEETS    STA. 228+50    TO STA. 230+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	19
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				



MEACHAM ROAD

BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE OF MEACHAM ROAD NORTH OF FIRE STATION, APPROXIMATELY 400 FT NORTH OF AMERICAN LANE  
 ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

	PCC SIDEWALK 5"		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8"		



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

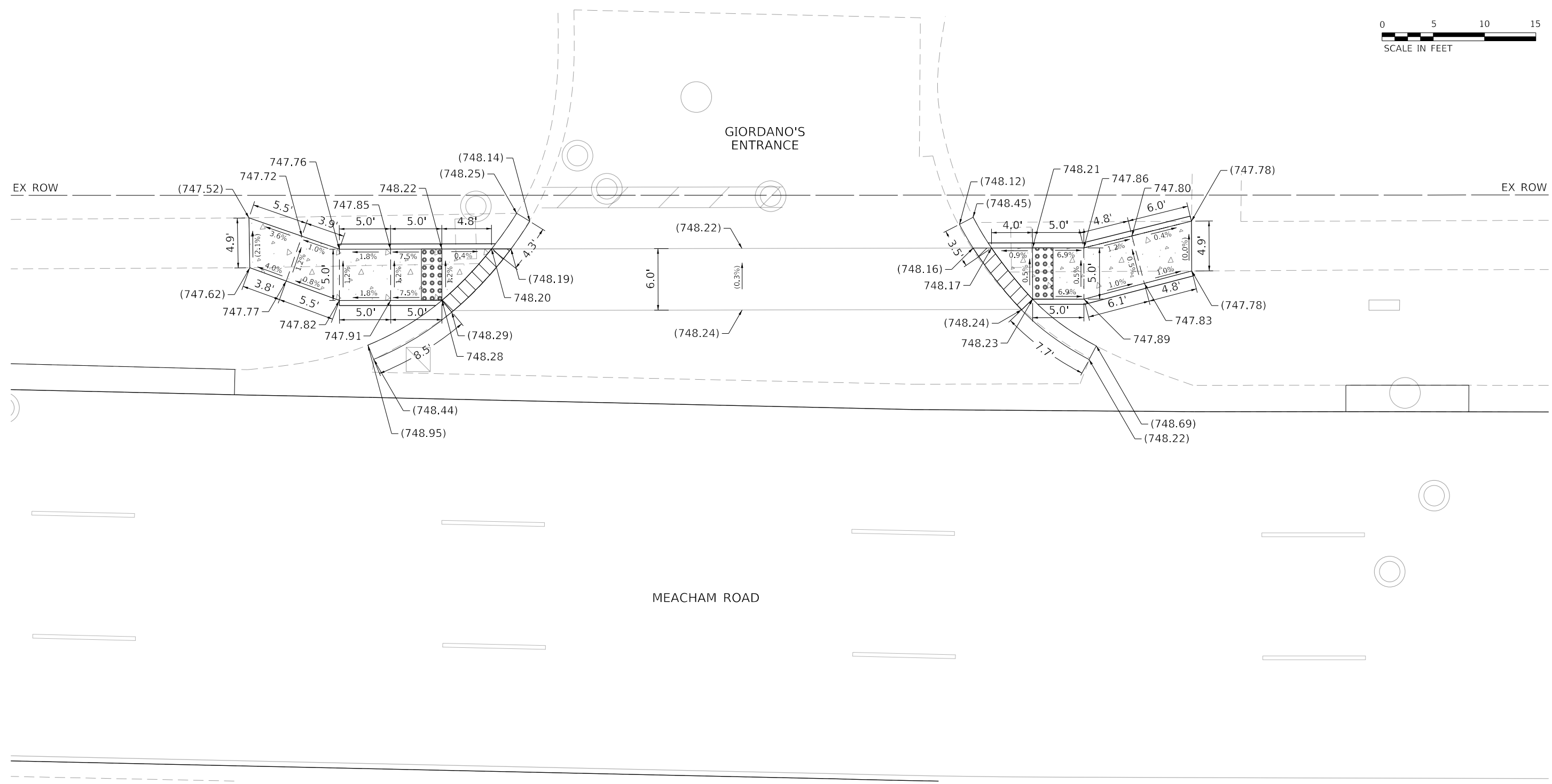
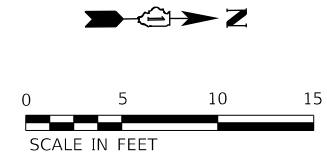
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 650 FT NORTH OF WOODFIELD ROAD**

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 20
ILLINOIS			FED. AID PROJECT	

MODEL: D:\p\aut FILE NAME: invalid expression"

SCALE: 1"=5' SHEET 4 OF 10 SHEETS STA. 231+50 TO STA. 233+00



BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE  
 OF MEACHAM ROAD NORTH OF FIRE  
 STATION, APPROXIMATELY 400 FT NORTH  
 OF AMERICAN LANE  
 ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

- PCC SIDEWALK 5"
- PROPOSED SIDE CURB
- EXISTING ELEVATION / SLOPE
- PCC DRIVEWAY PAVEMENT 8"
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER

MODEL: Default  
FILE NAME: Invalid expression



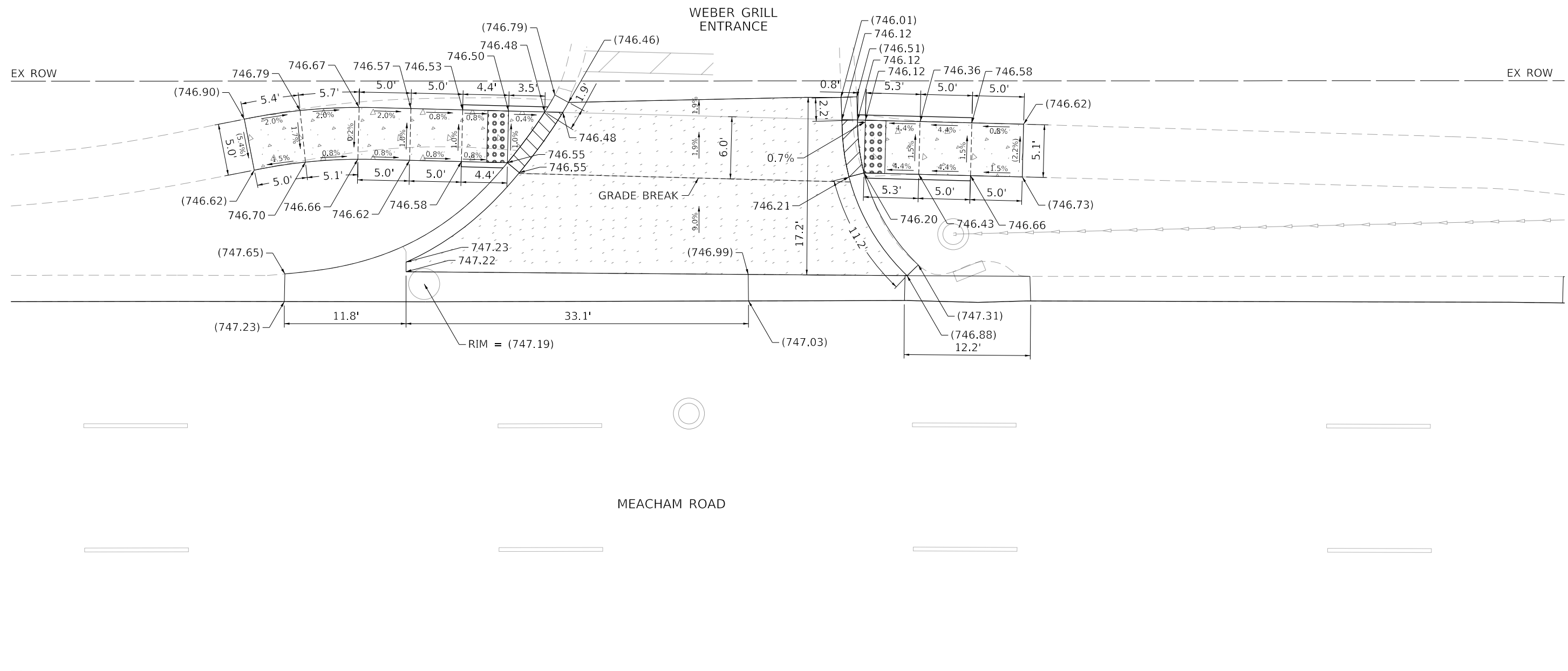
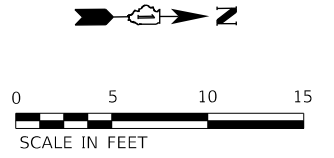
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
MEACHAM ROAD AT 450 FT SOUTH OF AMERICAN LANE**

SCALE: 1"=5'    SHEET 5 OF 10 SHEETS    STA. 235+00 TO STA. 236+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	21
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				



BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE OF MEACHAM ROAD NORTH OF FIRE STATION, APPROXIMATELY 400 FT NORTH OF AMERICAN LANE  
 ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

	PCC SIDEWALK 5'		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8'		



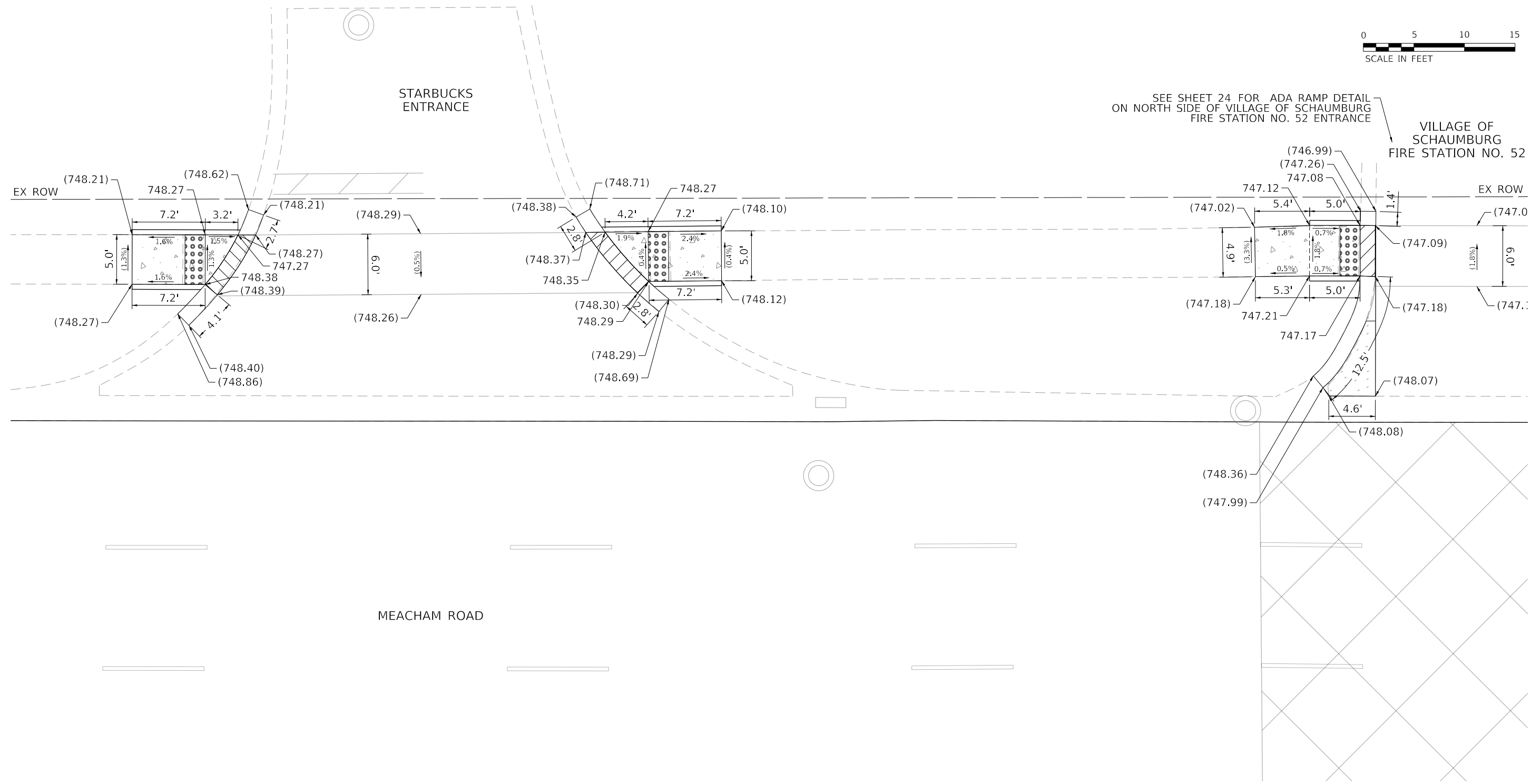
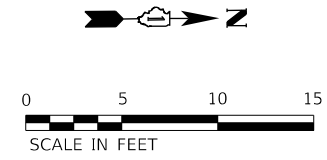
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 200 FT SOUTH OF AMERICAN LANE**  
 SCALE: 1"=5' SHEET 6 OF 10 SHEETS STA. 237+75 TO STA. 239+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	22
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

MODEL: D:\pc\aut FILE NAME: invalid expression"



SEE SHEET 24 FOR ADA RAMP DETAIL ON NORTH SIDE OF VILLAGE OF SCHAUMBURG FIRE STATION NO. 52 ENTRANCE

VILLAGE OF SCHAUMBURG FIRE STATION NO. 52

BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE OF MEACHAM ROAD NORTH OF FIRE STATION, APPROXIMATELY 400 FT NORTH OF AMERICAN LANE  
 ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

	PCC SIDEWALK 5"		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8"		



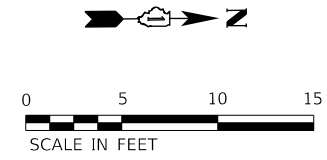
USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

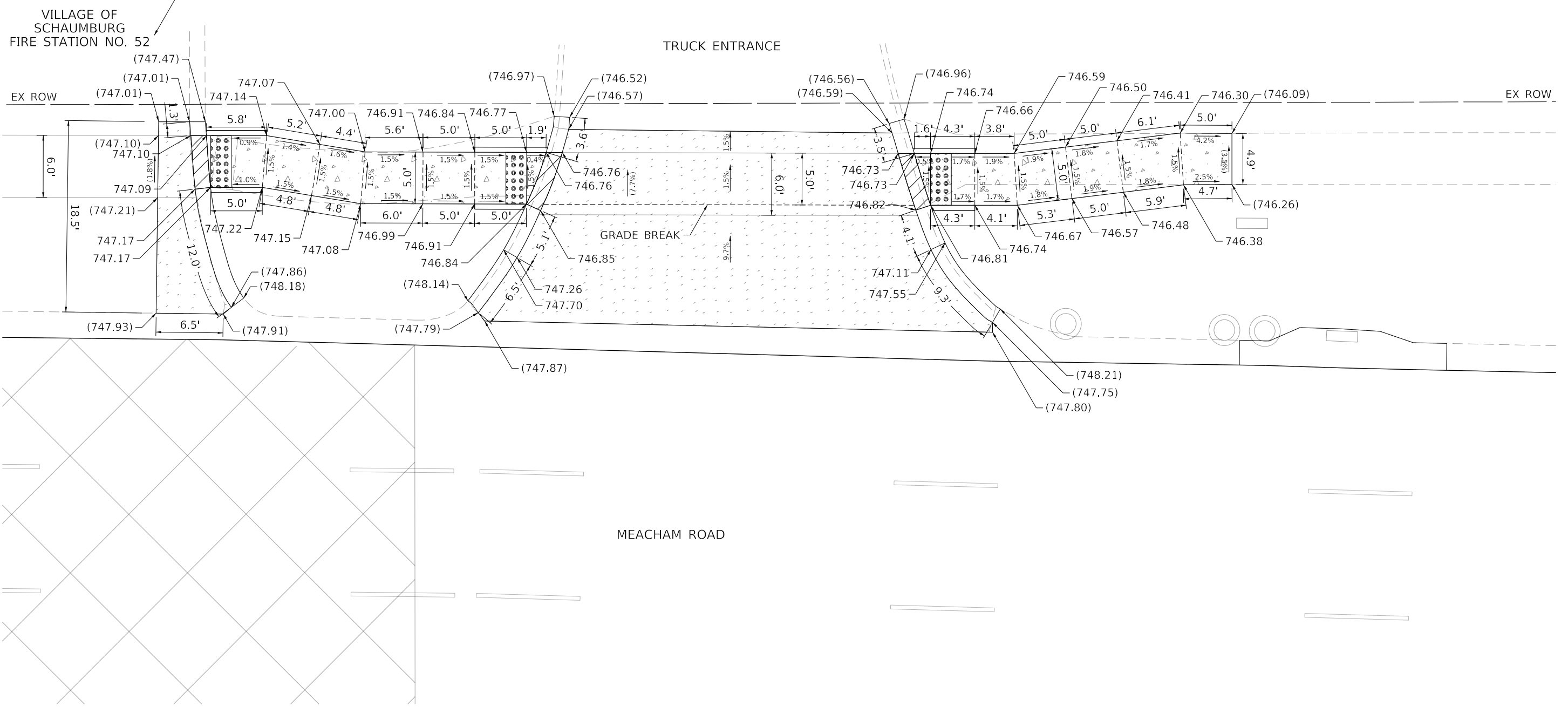
MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 150 FT NORTH OF AMERICAN LANE  
 SCALE: 1"=5'

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 23
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: Invalid expression



SEE SHEET 23 FOR ADA RAMP DETAIL ON SOUTH SIDE OF VILLAGE OF SCHAUMBURG FIRE STATION NO. 52 ENTRANCE



BENCHMARK NUMBER 213  
 "X" SET IN SIDEWALK ON WEST SIDE OF MEACHAM ROAD NORTH OF FIRE STATION, APPROXIMATELY 400 FT NORTH OF AMERICAN LANE  
 ELEV: 745.946  
 N: 1966553.545  
 E: 1062504.863

**LEGEND**

	PCC SIDEWALK 5"		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8"		



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

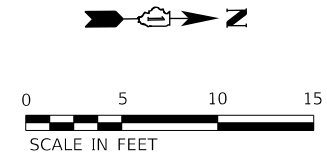
**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
 MEACHAM ROAD AT 350 FT NORTH OF AMERICAN LANE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	24
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

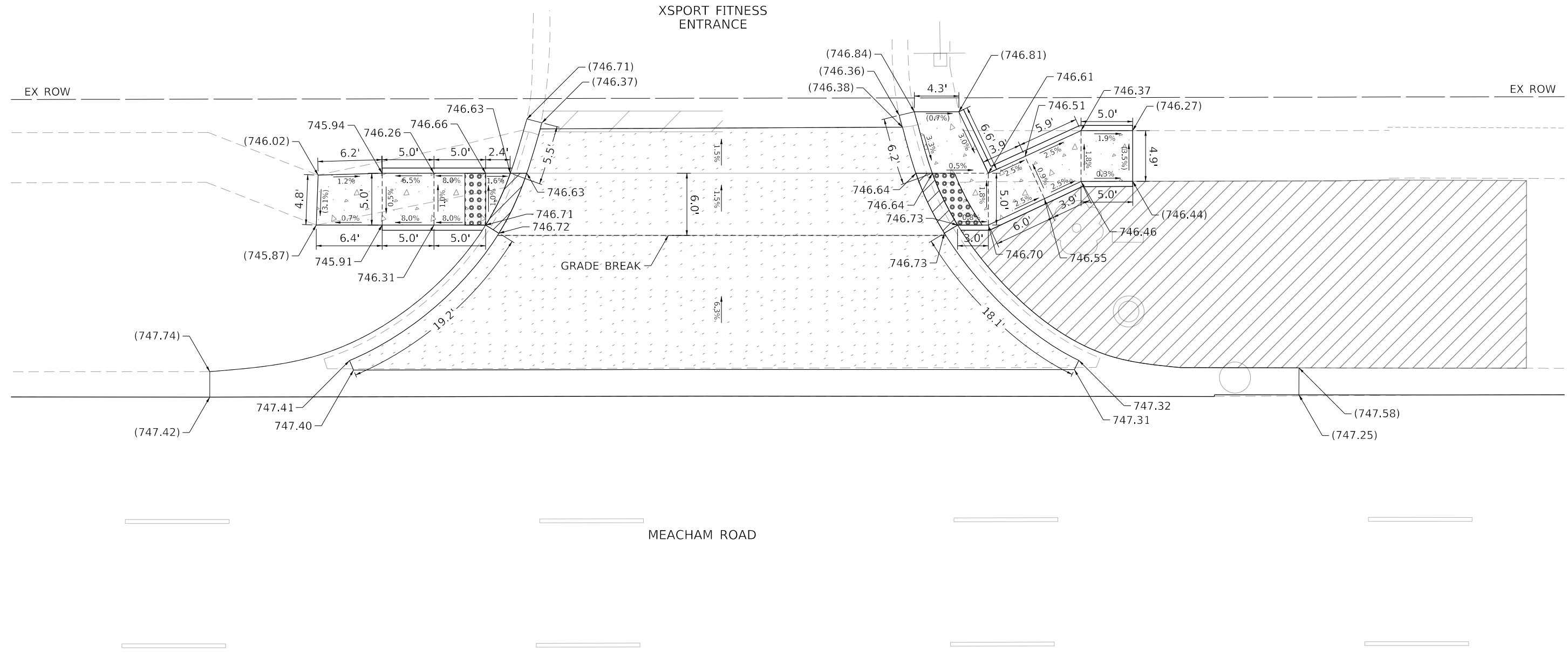
MODEL: D:\default FILE NAME: invalid expression

SCALE: 1"=5' SHEET 8 OF 10 SHEETS STA. 243+50 TO STA. 245+00





XSPORT FITNESS  
ENTRANCE



BENCHMARK NUMBER 213

"X" SET IN SIDEWALK ON WEST SIDE  
OF MEACHAM ROAD NORTH OF FIRE  
STATION, APPROXIMATELY 400 FT NORTH  
OF AMERICAN LANE

ELEV: 745.946  
N: 1966553.545  
E: 1062504.863

**LEGEND**

- PCC SIDEWALK 5"
- PROPOSED SIDE CURB
- EXISTING ELEVATION / SLOPE
- PCC DRIVEWAY PAVEMENT 8"
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
	DRAWN - BMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MNB	REVISED -
PLOT DATE = 2/23/2022	DATE - 02/23/2022	REVISED -

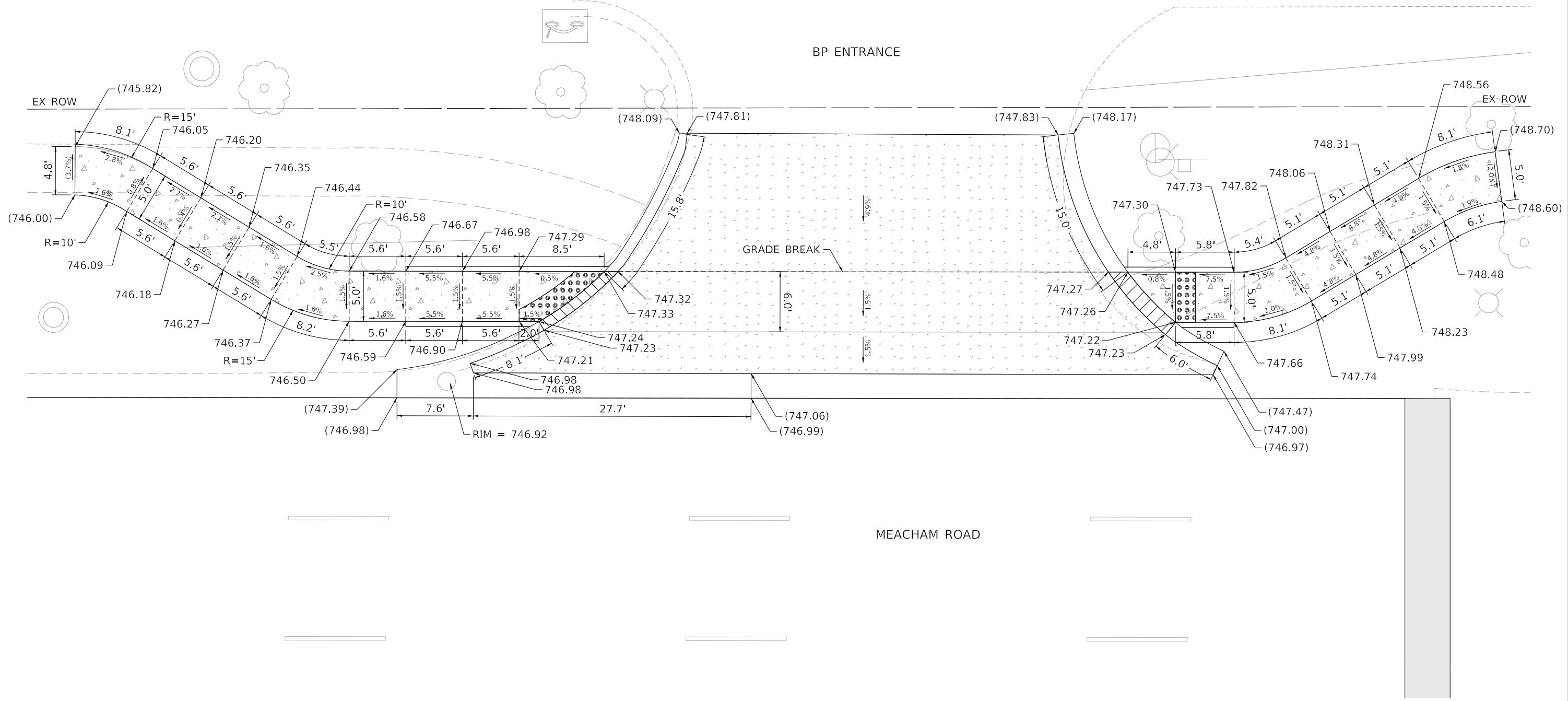
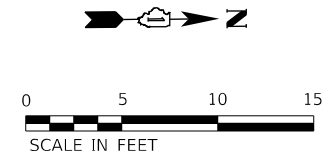
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS  
MEACHAM ROAD AT 450 FT SOUTH OF GOLF ROAD**

SCALE: 1"=5' SHEET 9 OF 10 SHEETS STA. 246+25 TO STA. 247+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	25
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				

MODEL: D:\rout FILE NAME: invalid expression"



BENCHMARK NUMBER 203  
 "X" IN ISLAND AT SOUTHEAST  
 CORNER OF MEACHAM ROAD AND  
 GOLF ROAD  
 ELEV: 747.95  
 N: 1961169.115  
 E: 1062643.730

**LEGEND**

	PCC SIDEWALK 5"		DETECTABLE WARNINGS
	PROPOSED SIDE CURB		DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE		
	PCC DRIVEWAY PAVEMENT 8"		

MODEL: D:\default  
FILE NAME: invalid expression



USER NAME = sbpottorff	DESIGNED - SBP	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BMS	REVISED -
PLOT DATE = 2/23/2022	CHECKED - MNB	REVISED -
	DATE - 02/23/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING - ADA RAMP DETAILS**  
**MEACHAM ROAD AT 200 FT SOUTH OF GOLF ROAD**

SCALE: 1"=5'      SHEET 10 OF 10 SHEETS      STA. 248+50 TO STA. 250+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	26
			CONTRACT NO. 61H57	
			ILLINOIS FED. AID PROJECT	

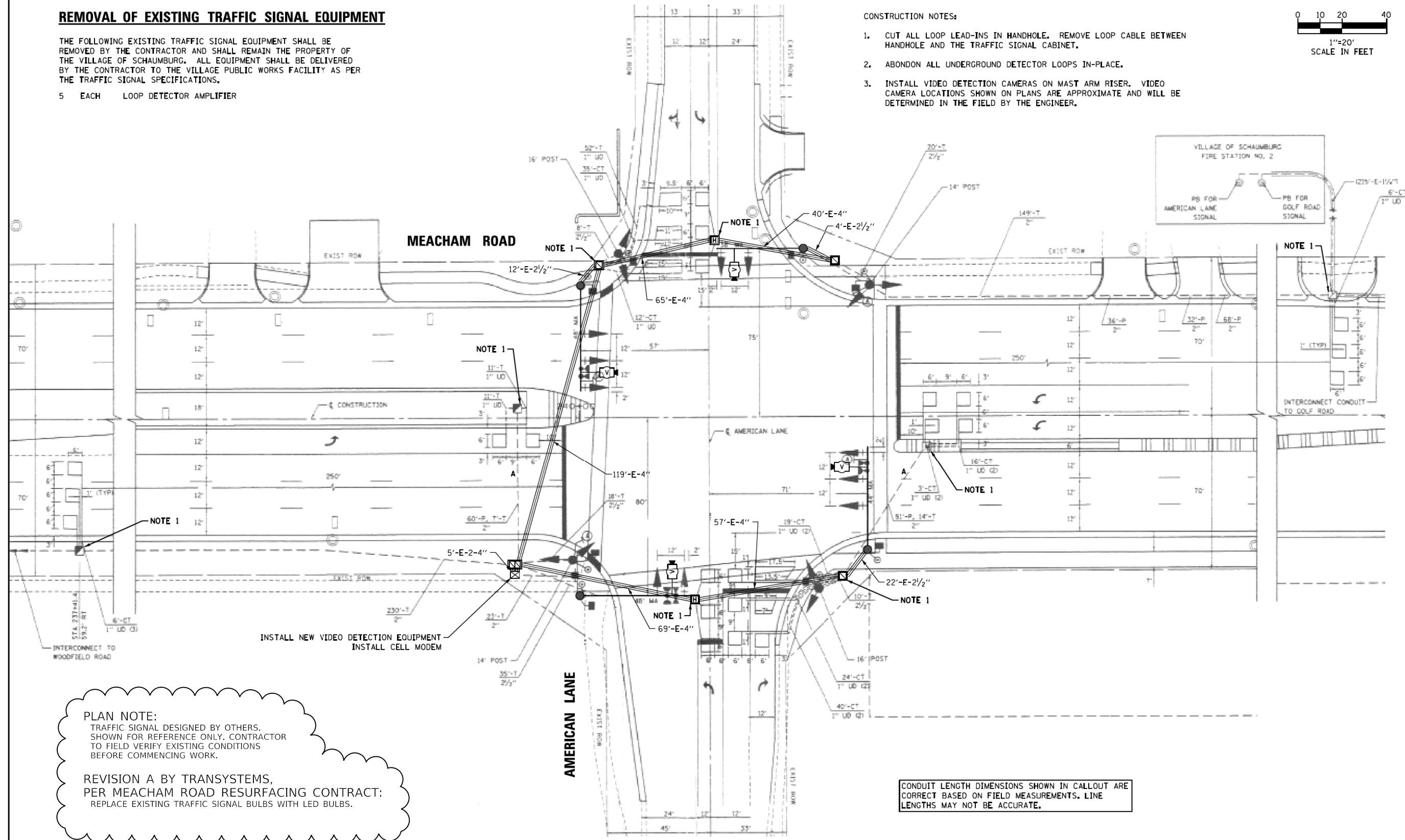
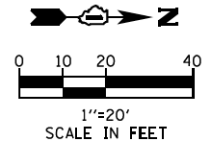
**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SCHAUMBURG. ALL EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE PUBLIC WORKS FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 5 EACH LOOP DETECTOR AMPLIFIER

**CONSTRUCTION NOTES:**

- CUT ALL LOOP LEAD-INS IN HANDHOLE. REMOVE LOOP CABLE BETWEEN HANDHOLE AND THE TRAFFIC SIGNAL CABINET.
- ABANDON ALL UNDERGROUND DETECTOR LOOPS IN-PLACE.
- INSTALL VIDEO DETECTION CAMERAS ON MAST ARM RISER. VIDEO CAMERA LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.



**PLAN NOTE:**  
TRAFFIC SIGNAL DESIGNED BY OTHERS. SHOWN FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.

**REVISION A BY TRANSYSTEMS, PER MEACHAM ROAD RESURFACING CONTRACT:**  
REPLACE EXISTING TRAFFIC SIGNAL BULBS WITH LED BULBS.

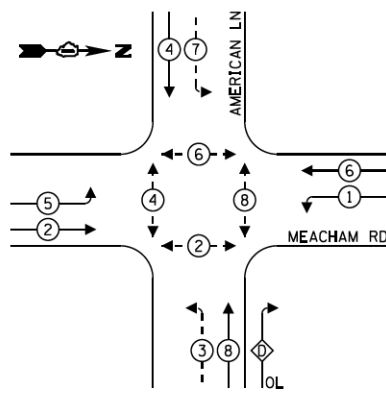
CONDUIT LENGTH DIMENSIONS SHOWN IN CALLOUT ARE CORRECT BASED ON FIELD MEASUREMENTS. LINE LENGTHS MAY NOT BE ACCURATE.

REVISIONS				DESIGNED: BF	PROJECT NUMBER: 18,0015	 CMI & Structural Engineers, Land Surveyors, Environmental Services ELGIN · SPRINGFIELD · WOODRIDGE www.hlrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION	 VILLAGE OF SCHAUMBURG Department of Engineering and Public Works 714 S. Plum Grove Road Schaumburg, IL 60193-7806	GREATER WOODFIELD TRAFFIC FLOW IMPROVEMENTS	
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION			TOTAL SHEETS	SHEET NUMBER

	USER NAME = sbpottorff	DESIGNED - SBP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEACHAM ROAD RESURFACING TRAFFIC SIGNAL AS-BUILT - AMERICAN LANE	F.A.U. RTE. = 2585	SECTION = 20-00136-00-RS	COUNTY = COOK	TOTAL SHEETS = 41	SHEET NO. = 27
	PLOT SCALE = 150,0000 ft / in.	CHECKED - MNB	REVISED -			SCALE: NOT TO SCALE	SHEET 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 61H57	
PLOT DATE = 2/23/2022	DATE = 02/23/2022	REVISED -								

MODEL: Default  
FILE NAME: final expression.dwg

**EXISTING CONTROLLER SEQUENCE**



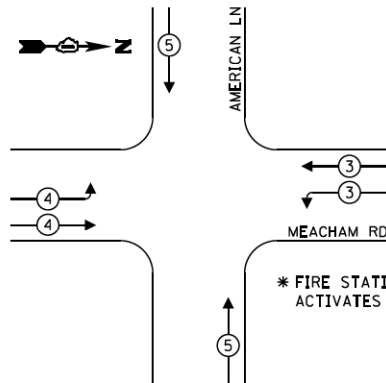
**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

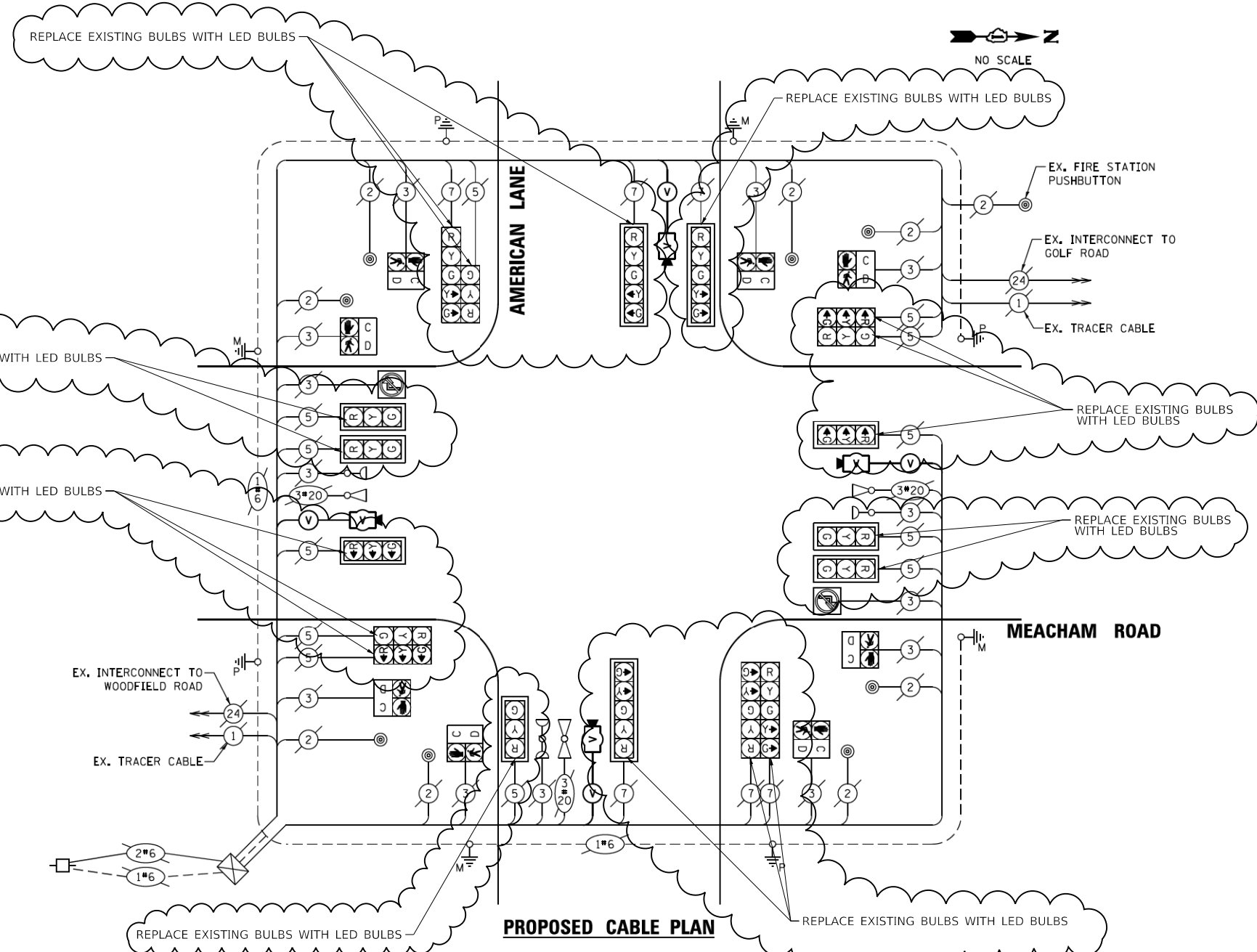
TYPE	NO. OF LAMPS	WATTAGE INCND	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	135	11	50	1215.0
(YELLOW)	18	135	20	5	121.5
(GREEN)	18	135	12	45	1093.5
PERMISSIVE ARROW	12	135	10	10	162.0
PED. SIGNAL	8	90	20	100	720.0
CONTROLLER	1	100		100	100.0
UPS	-	25		100	-
VIDEO SYSTEM	1	150		100	150.0
BLANK-OUT SIGN	2		25	5	2.5
FLASHER	-	-		50	-
STREET NAME SIGN	-	120		50	-
LUMINAIRE	-	-		-	-
				TOTAL =	3564.5

**ENERGY COSTS TO:**  
 VILLAGE OF SCHAUMBURG  
 101 SCHAUMBURG COURT  
 SCHAUMBURG, IL 60193  
**ENERGY SUPPLY:** CONTACT: FRANK BLACKER  
 PHONE: (847) 870-2124  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

REVISIONS			
NO.	DATE	DESCRIPTION	

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2102
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CELLULAR MODEM	EACH	1
VIDEO DETECTION SYSTEM	EACH	1



**PLAN NOTE:**  
 TRAFFIC SIGNAL DESIGNED BY OTHERS. SHOWN FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.  
**REVISION A BY TRANSYSTEMS, PER MEACHAM ROAD RESURFACING CONTRACT:**  
 REPLACE EXISTING TRAFFIC SIGNAL BULBS WITH LED BULBS.

DESIGNED: <u>BF</u>	PROJECT NUMBER: <u>18,0015</u>
DRAWN: <u>BF</u>	FILE: <u>180015-sht-Cable Plans.dgn</u>
CHECKED: <u>JM</u>	REFERENCES: <u>None</u>
DATE: <u>6/27/2018</u>	SCALE: <u>NONE</u>

**Hampton, Lenzini and Renwick, Inc.**  
 CEM & Structural Engineers, Land Surveyors, Environmental Services  
 ELGIN, SPRINGFIELD, WOODRIDGE  
 www.hlrenleng.com

**VILLAGE OF SCHAUMBURG**  
 Department of Engineering and Public Works  
 714 S. Plum Grove Road  
 Schaumburg, IL 60193-7806

**GREATER WOODFIELD TRAFFIC FLOW IMPROVEMENTS**  
**TRAFFIC SIGNAL CABLE PLAN**  
**MEACHAM ROAD AND AMERICAN LANE**

TOTAL SHEETS	SHEET NUMBER
<b>25</b>	<b>6</b>

MODEL: D:\p\aut FILE NAME: 180015-sht-Cable Plans.dgn

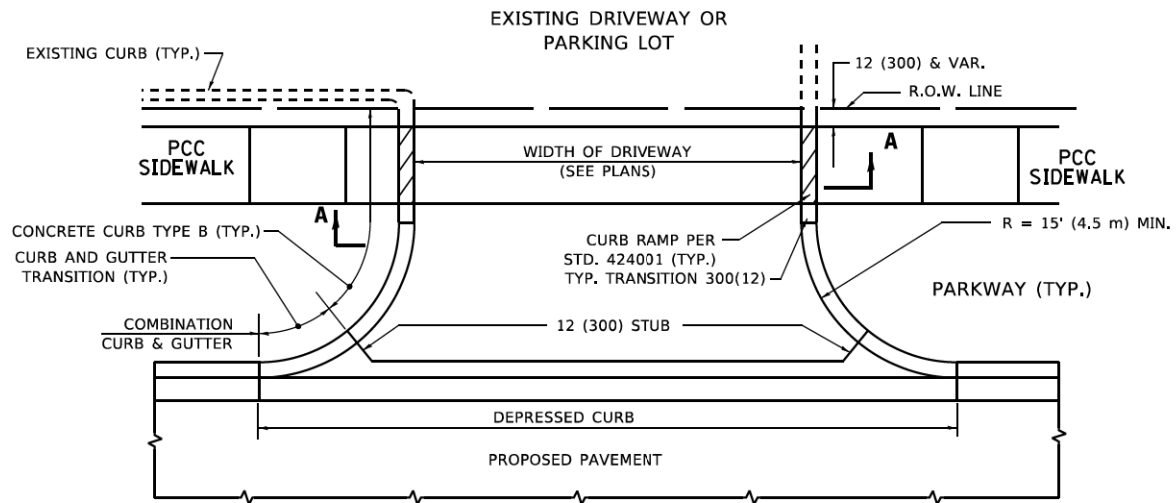


USER NAME = <u>sbpottorff</u>	DESIGNED - <u>SBP</u>	REVISED -
PLOT SCALE = <u>150,0000 ft / in.</u>	DRAWN - <u>BMS</u>	REVISED -
PLOT DATE = <u>2/23/2022</u>	CHECKED - <u>MNB</u>	REVISED -
	DATE - <u>02/23/2022</u>	REVISED -

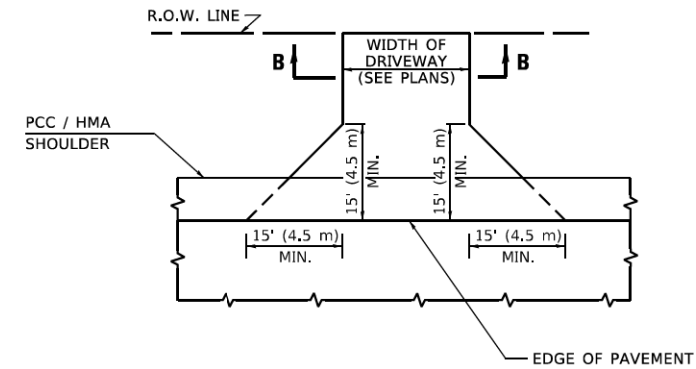
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MEACHAM ROAD RESURFACING TRAFFIC SIGNAL AS-BUILT - AMERICAN LANE**  
 SCALE: NOT TO SCALE SHEET 2 OF 2 SHEETS STA. TO STA.

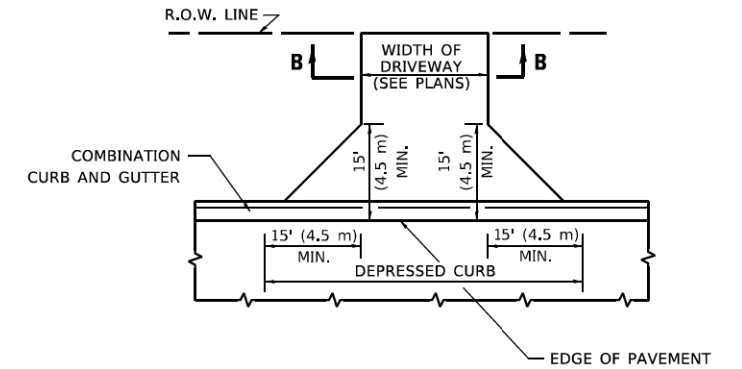
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	28
CONTRACT NO. 61H57				
ILLINOIS FED. AID PROJECT				



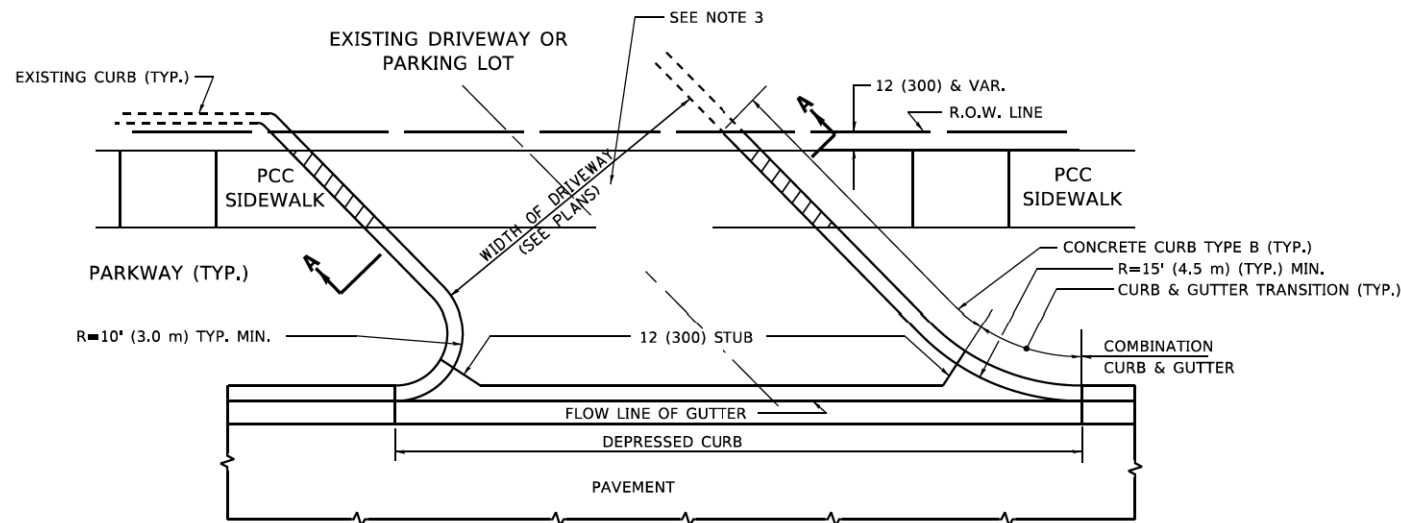
**WITH CONCRETE CURB, TYPE B**



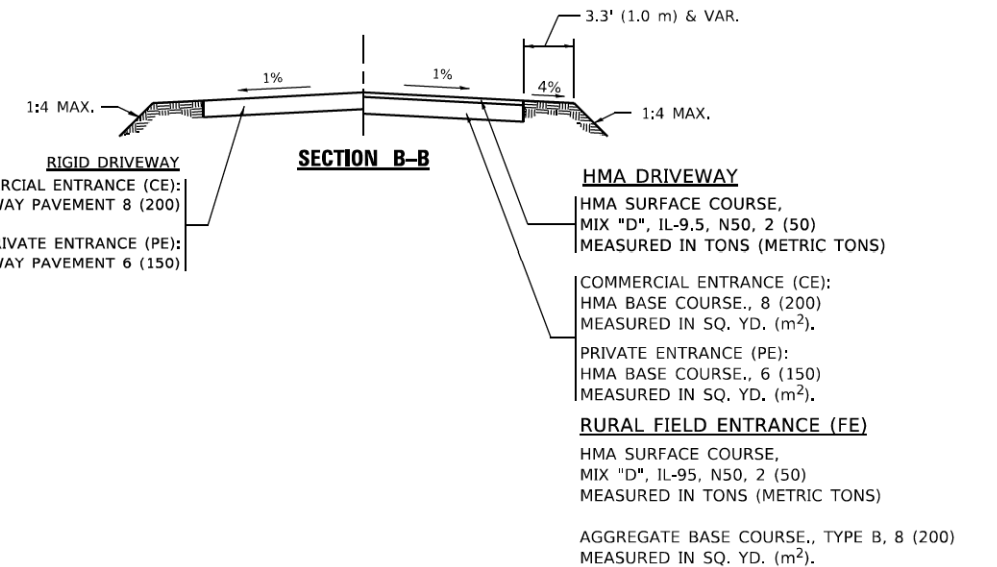
**ADJACENT TO PCC /HMA SHOULDER**



**ADJACENT TO CURB AND GUTTER**

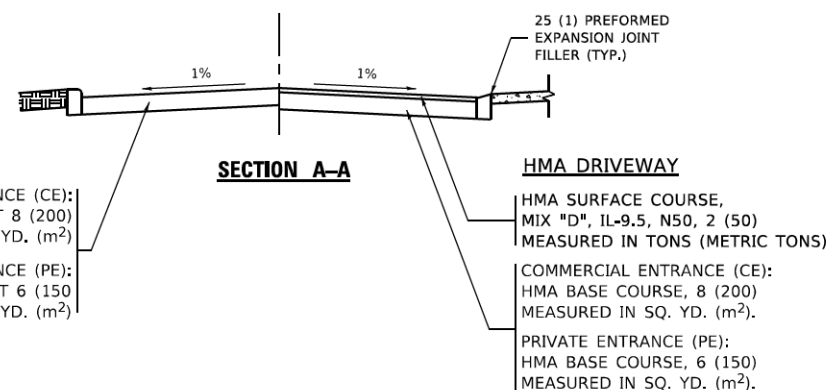


**WITH CONCRETE CURB, TYPE B**



**GENERAL NOTES**

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.



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

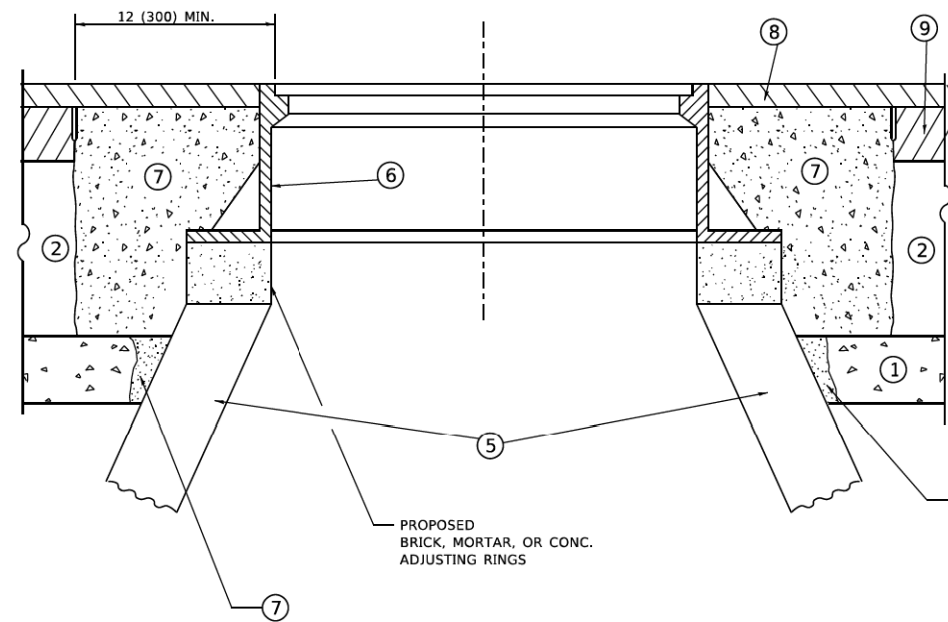
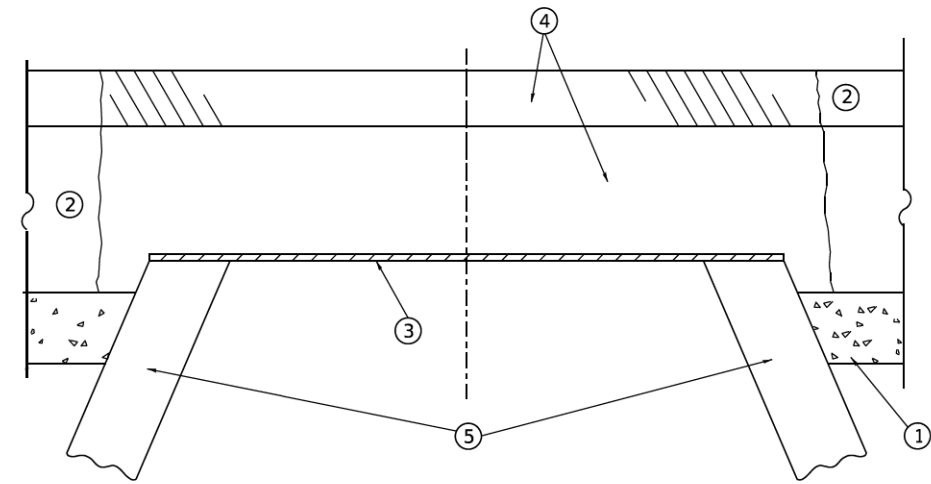
MODEL: Default  
 FILE NAME: W:\BIS\223430601.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-28-19
PLOT DATE = 2/2/2022	DATE - 11-04-95	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	29
BD400-01 (BD-01)		CONTRACT NO. 61H57		
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

1. 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 IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS\*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS*PP-1 CONCRETE         |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Defaulr  
FILE NAME: W:\MS14\1422\34\0608.dgn

USER NAME = demanchet	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

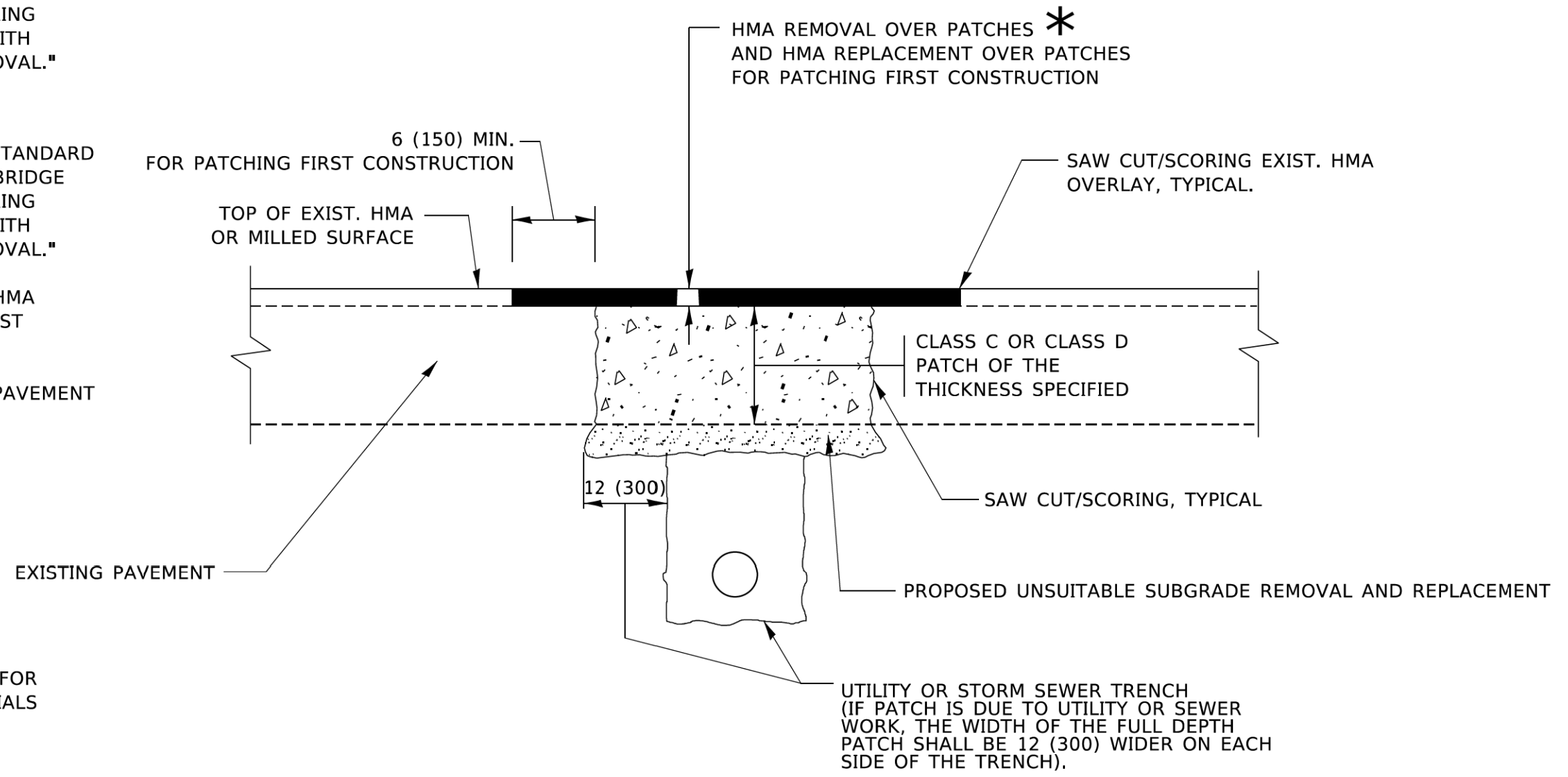
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	30
BD600-03 (BD-08)			CONTRACT NO. 61H57	
ILLINOIS FED. AID PROJECT				

**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 NAME: W:\ASST02\2310622.dgn

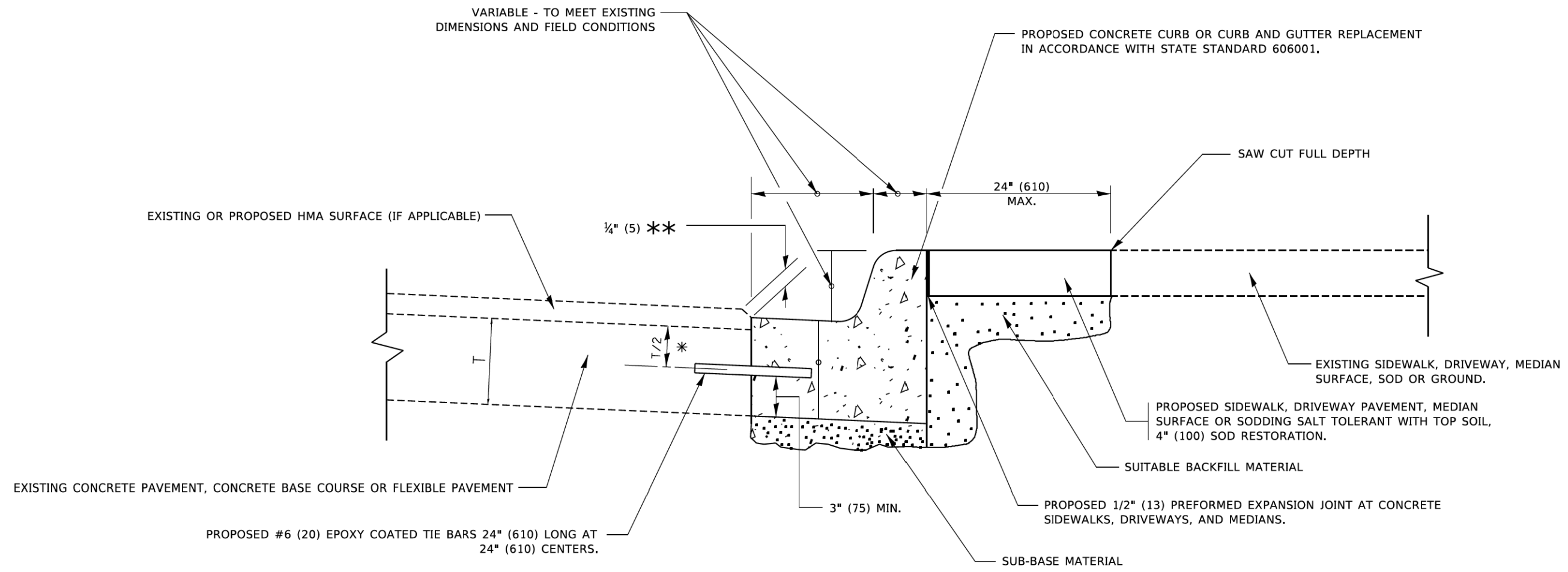
USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	31
<b>BD400-04 (BD-22)</b>		CONTRACT NO. 61H57		
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: Default  
FILE NAME: p:\pub\p\m\com\ed\illinois\proj\p\w\DOT\Documents\DOT\_Offices\District\_1\Projects\BHS\2323atCAD\BNA\CAD\Sheets\B24.dgn

USER NAME	footemj	DESIGNED	A. HOUSEH	REVISED	A. ABBAS 03-21-97
		DRAWN	-	REVISED	M. GOMEZ 01-22-01
PLOT SCALE	= 50,0000 * / in.	CHECKED	-	REVISED	R. BORO 12-15-09
PLOT DATE	= 7/11/2019	DATE	03-11-94	REVISED	K. SMITH 07-11-19

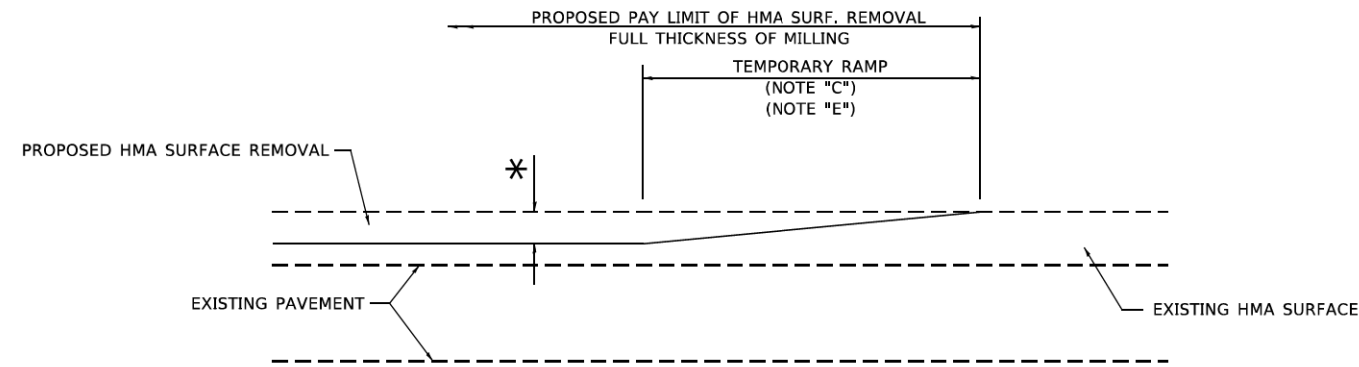
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	32
<b>BD600-06 (BD-24)</b>		CONTRACT NO. 61H57		
ILLINOIS FED. AID PROJECT				

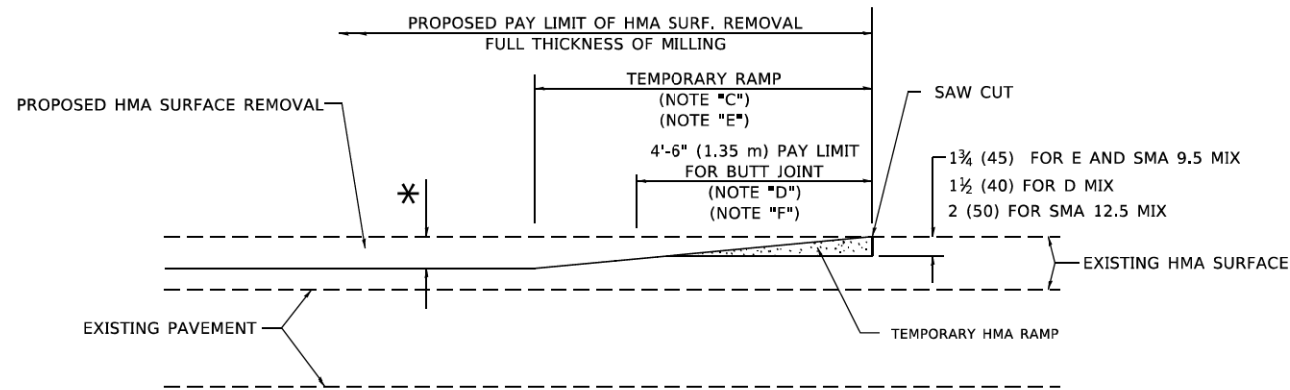




**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

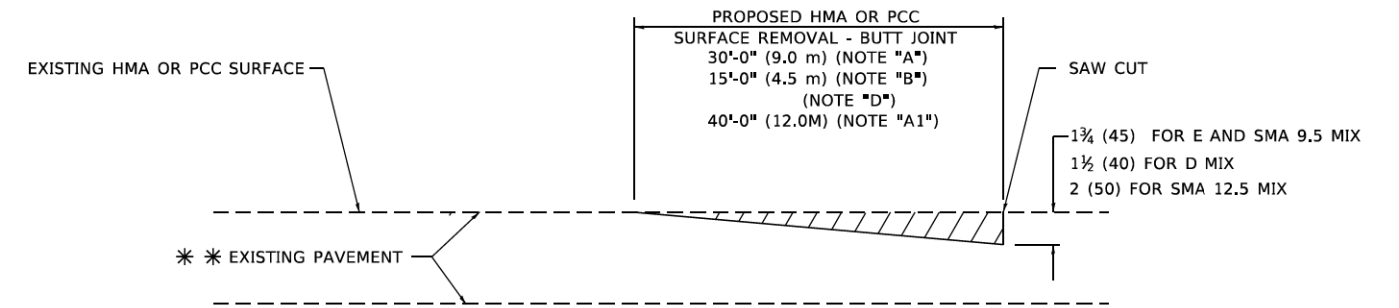


**HMA CONSTRUCTED TEMPORARY RAMP**

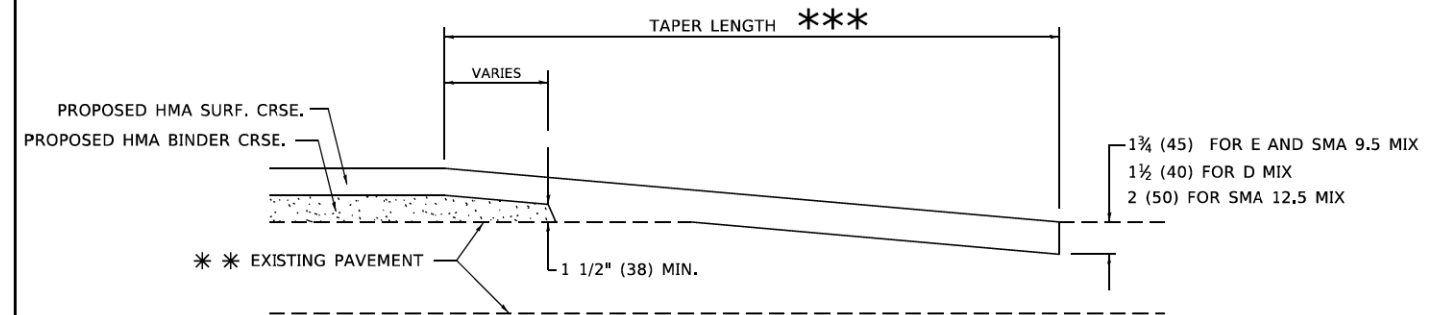
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**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.

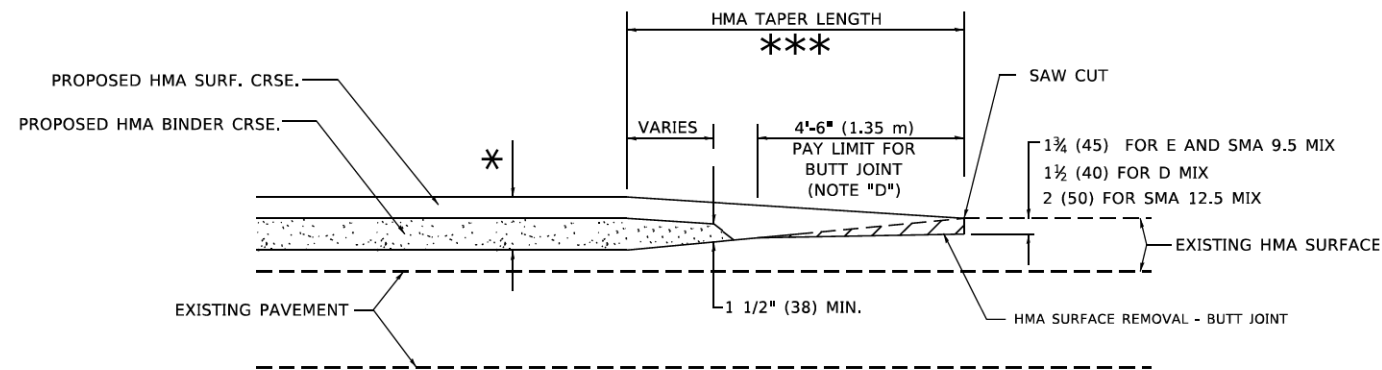
**GENERAL NOTES**

- 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: Defaulr  
FILE NAME: W:\BIS\04224\0422.dgn

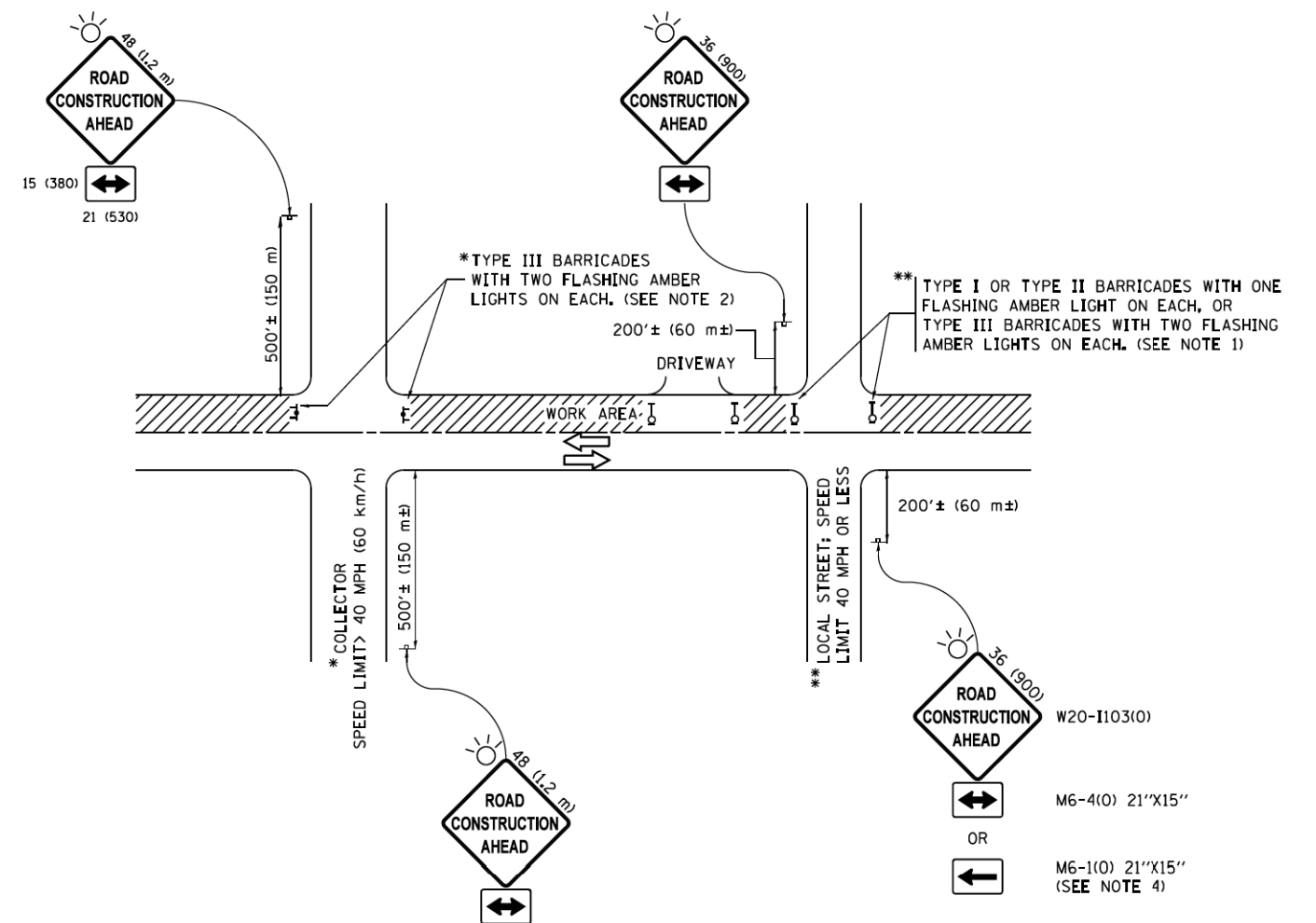
USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	33
BD400-05 BD-32		CONTRACT NO. 61H57		
ILLINOIS FED. AID PROJECT				

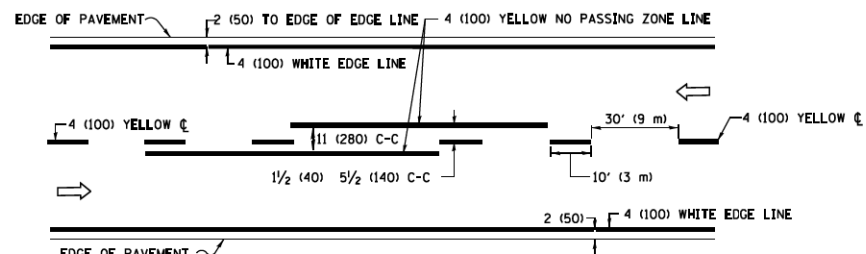


**NOTES:**

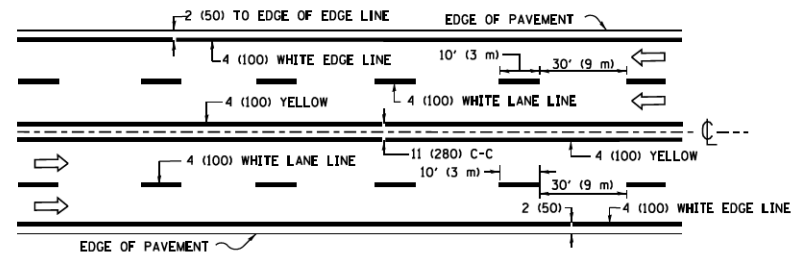
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL 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.
- 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).
- 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.

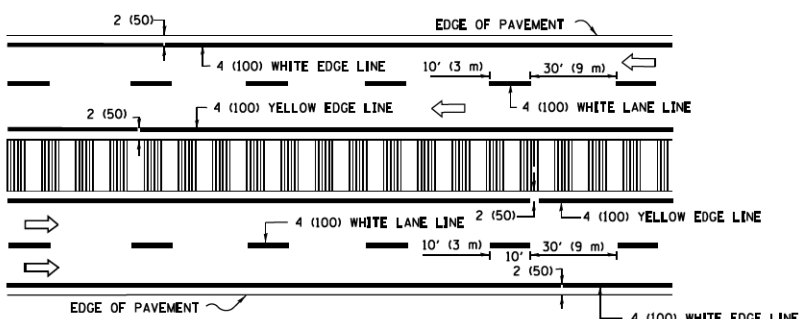
FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084E8ID\INTEG\Illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRM\CADDData\CADsheets\tc18.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00					2585	20-00136-00-RS	COOK	41	34
Default	PLOT SCALE = 50.000' / 1" =	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			TC-10		CONTRACT NO. 61H57		
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16		ILLINOIS/FED. AID PROJECT							



**2-LANE ROADWAY**

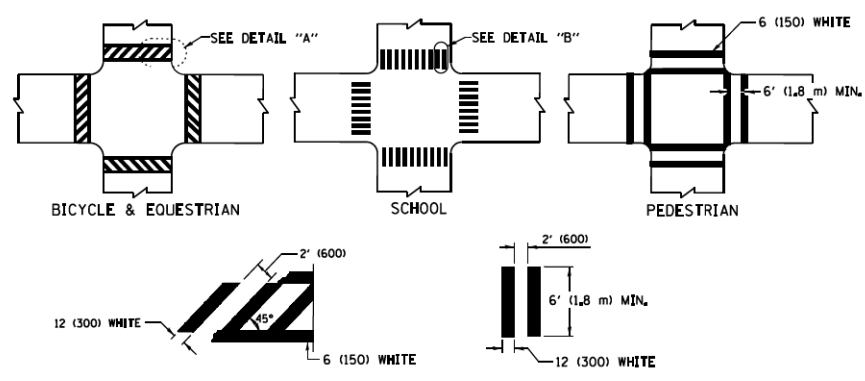


**MULTI-LANE UNDIVIDED**



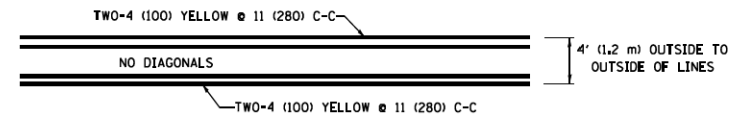
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

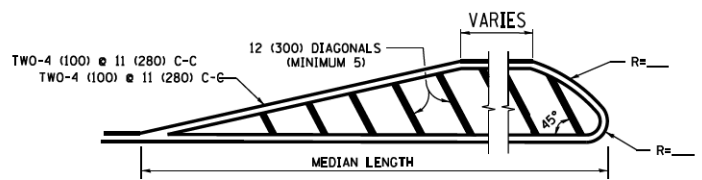


**TYPICAL CROSSWALK MARKING**

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



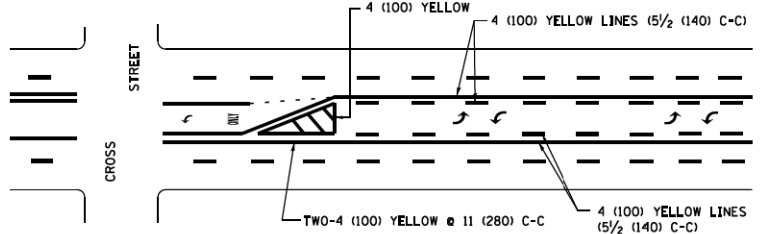
**4' (1.2 m) WIDE MEDIANS ONLY**



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

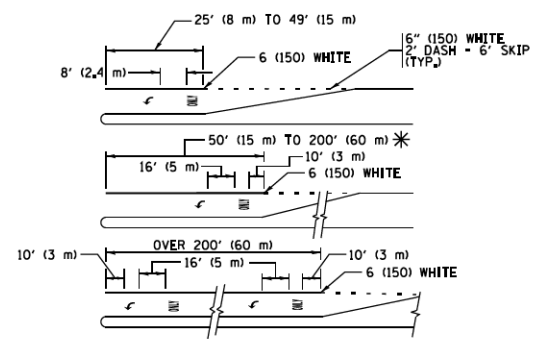
**MEDIANS OVER 4' (1.2 m) WIDE**



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.

**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

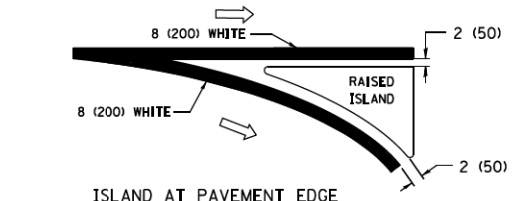
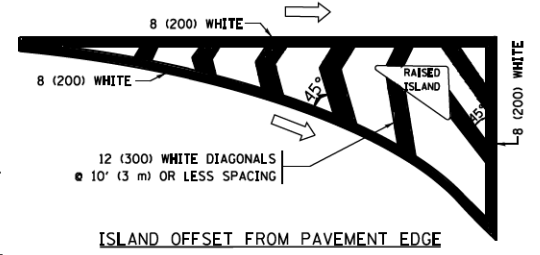


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) | AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

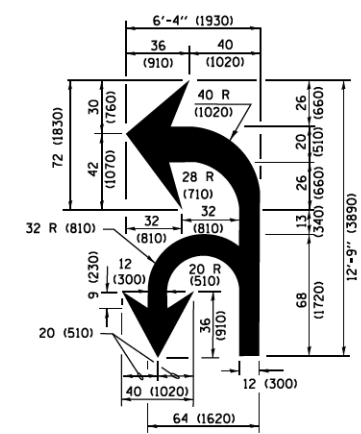
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

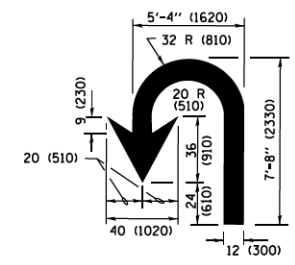
**TYPICAL TURN LANE MARKING**



**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	5/2 (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; 5/2 (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" 15' 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

FILE NAME = W:\dststd\22x34\1c13.dgn	USER NAME = lgyso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000' / 1" =	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

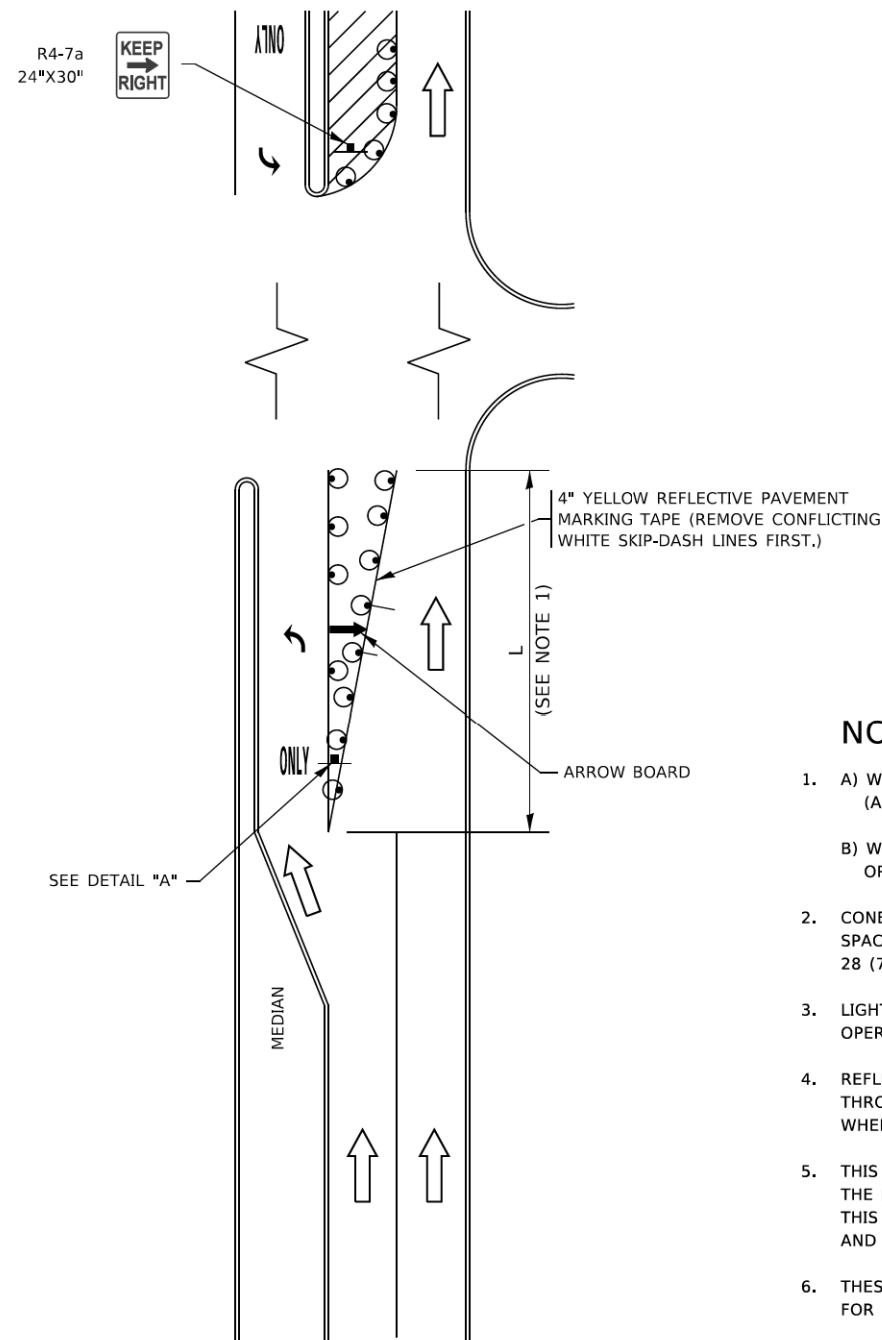
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

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

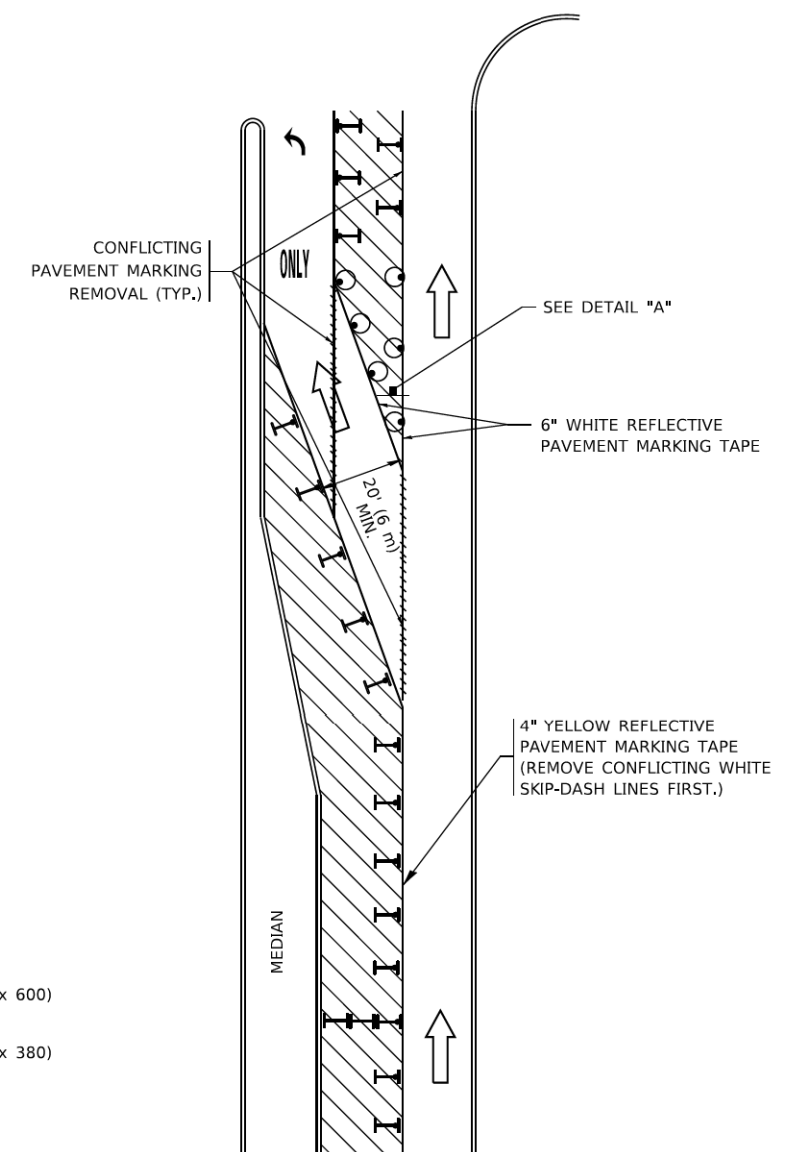
F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 35
TC-13		CONTRACT NO. 61H57	ILLINOIS/FED. AID PROJECT	

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



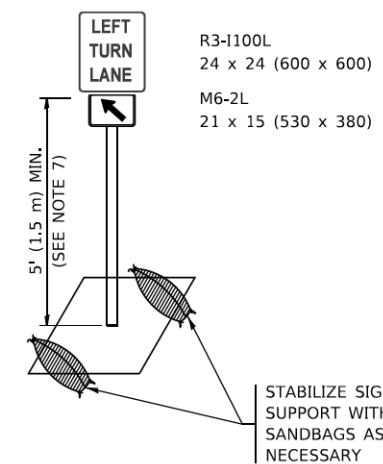
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### 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.



**DETAIL A**

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

MODEL: D:\air\... FILE NAME: p:\a\104848\BID\NTEC\Illinois\gov\PIV\DOT\Documents\DOT\_Civil\as\B\air\1\Projects\B\HS\22\23\CAD\B\air\CAD\sheet\14.dgn

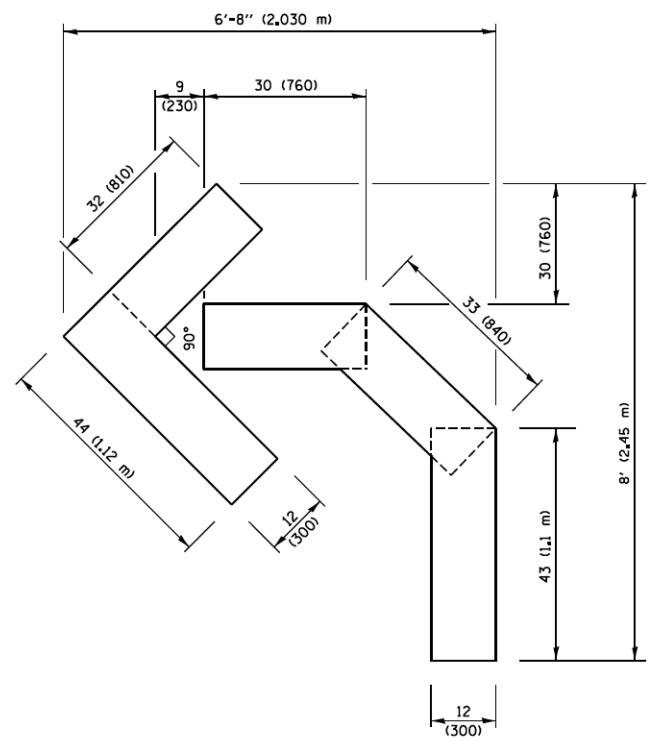
USER NAME = [root]	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
DRAWN - A. HOUSEH 11-07-95	REVISOR - A. SCHUETZE 07-01-13	
PLOT SCALE = 50,0000 * / in.	CHECKED - A. HOUSEH 10-12-96	REVISOR - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

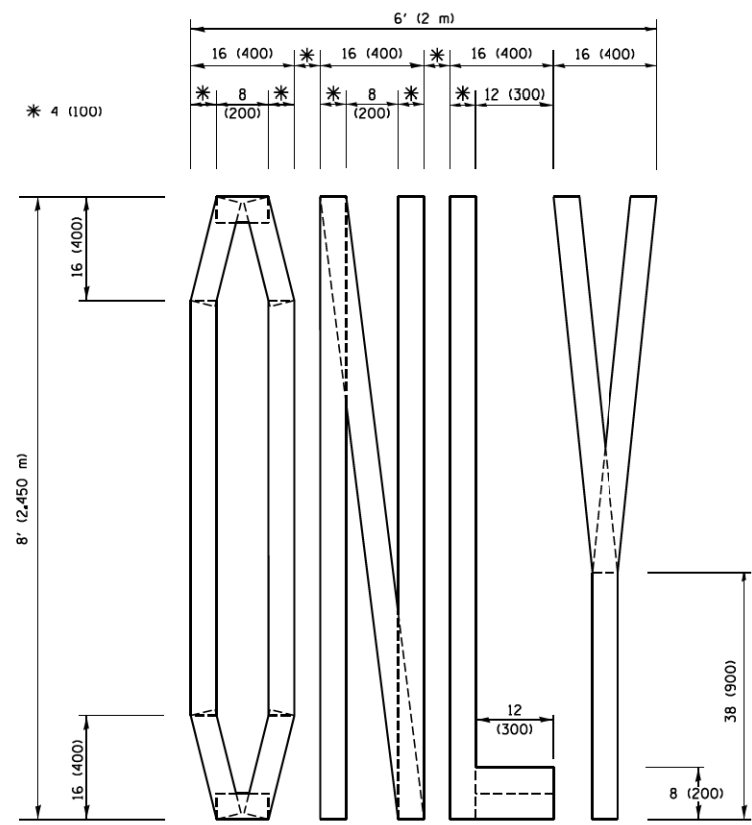
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

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

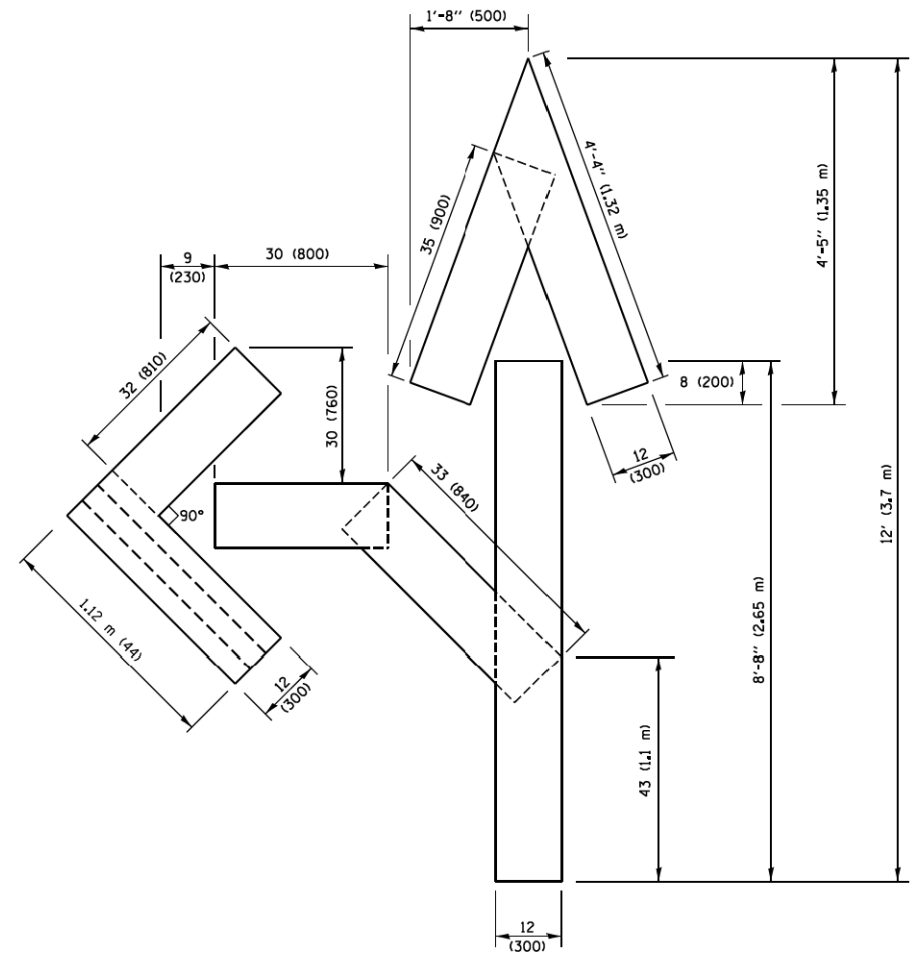
F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 36
TC-14		CONTRACT NO. 61H57		
ILLINOIS FED. AID PROJECT				



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

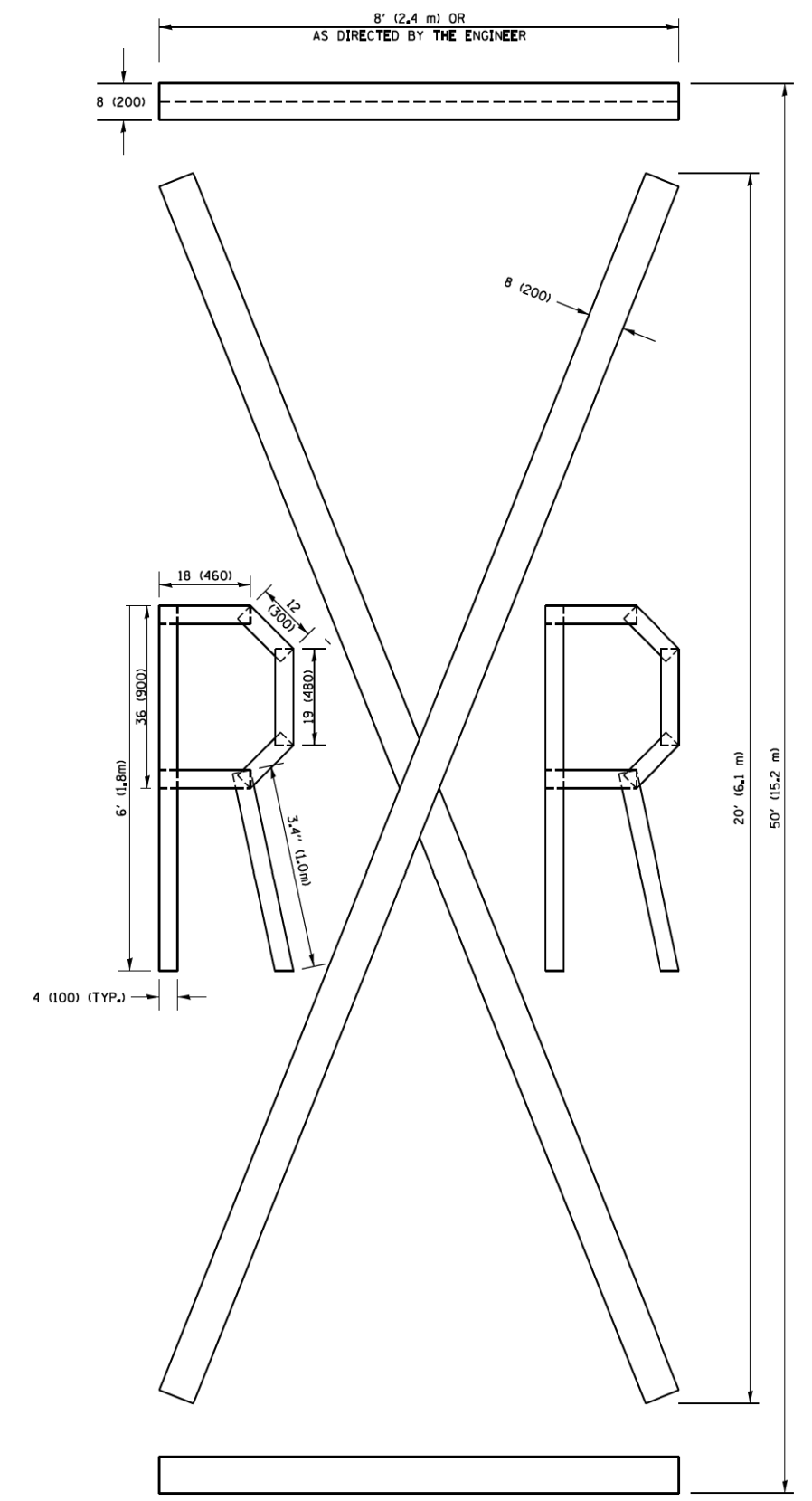


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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)

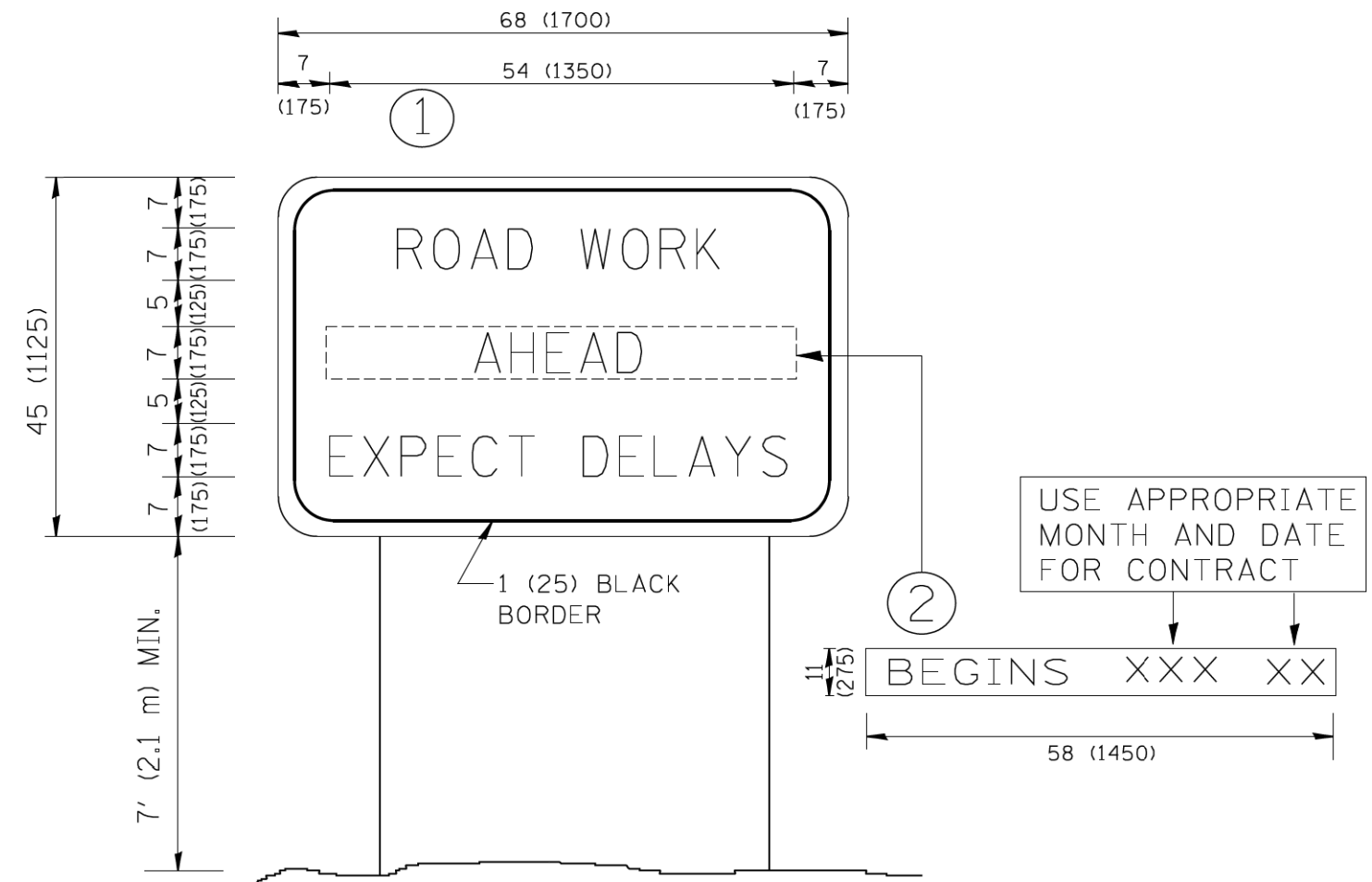
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\110848EID\INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\GRAN\CADDData\CADsheets\tc16.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	37
<b>TC-16</b>		<b>CONTRACT NO.</b>	61H57	
FED. ROAD DIST. NO. 1 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.

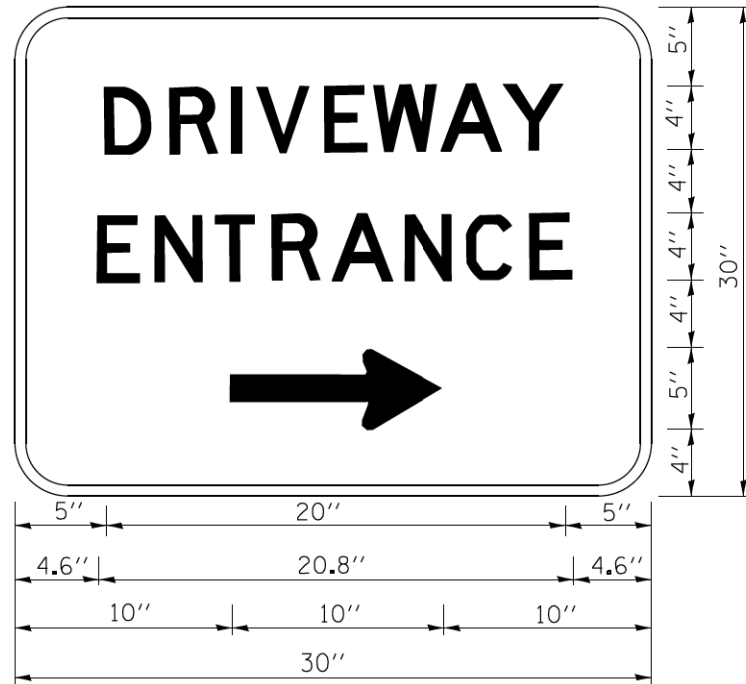
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianob	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 38
TC-22		CONTRACT NO. 61H57		
FED. ROAD DIST. NO. 1 [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".

FILE NAME =	USER NAME = gaglienob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca:\pwork\pwork\gaglienob\d0108315\td06.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

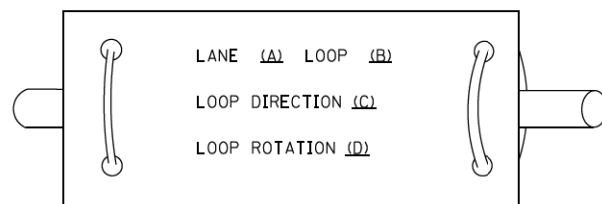
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	20-00136-00-RS	COOK	41	39
<b>TC-26</b>			<b>CONTRACT NO. 61H57</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

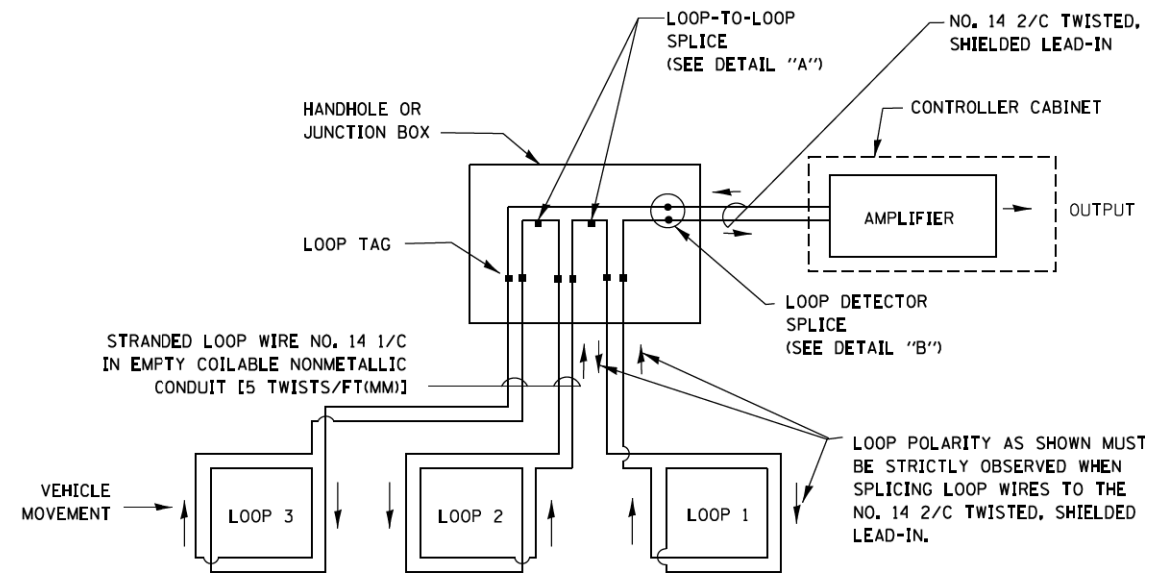
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

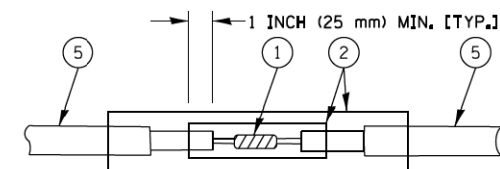


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

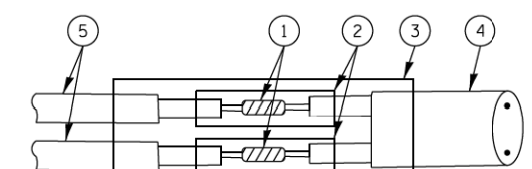


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

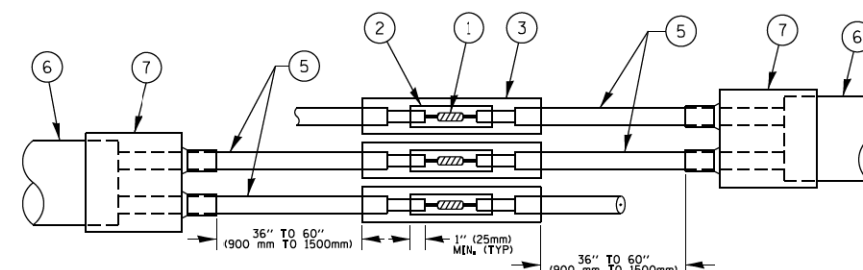


DETAIL "A"  
LOOP-TO-LOOP SPLICE

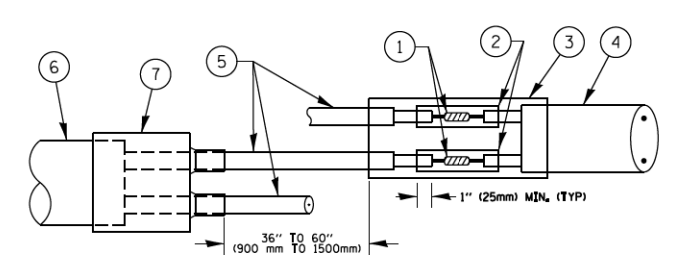


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

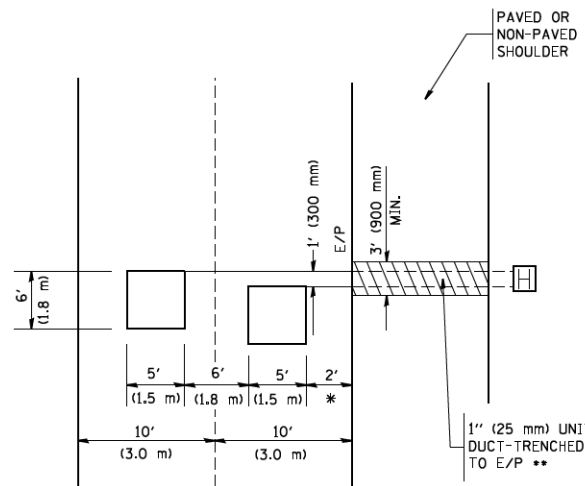
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ca:\pwork\pwork\dot\Footemj\0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 1 of 1	SHEETS	STA.	TO STA.	2585	20-00136-00-RS	COOK	41	40
		CHECKED - DAD	REVISED -							<b>TS-05</b>		CONTRACT NO. 61H57		
		DATE - 10-28-09	REVISED -							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LOOPS NEXT TO SHOULDERS

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



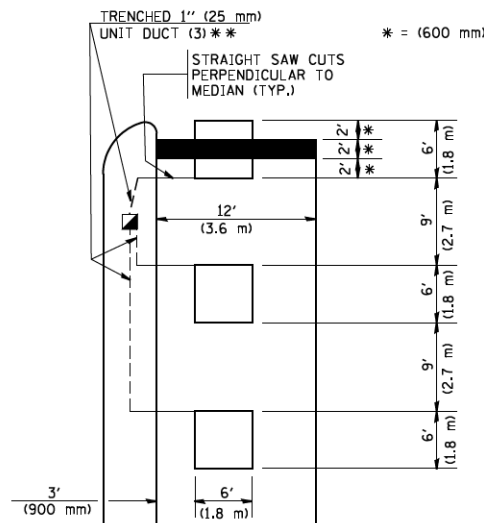
\* = (600 mm)

\*\* 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.



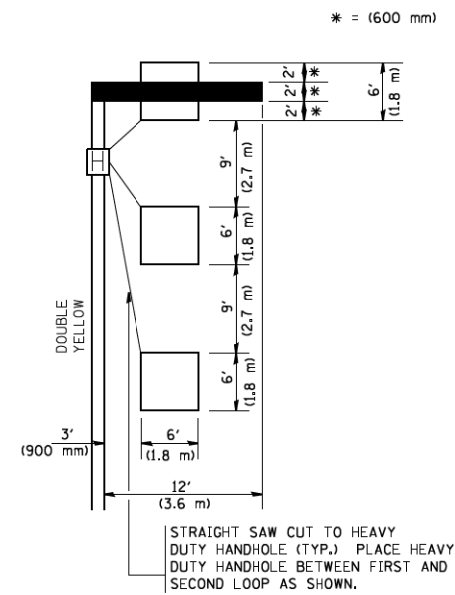
\* = (600 mm)

\*\* 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)

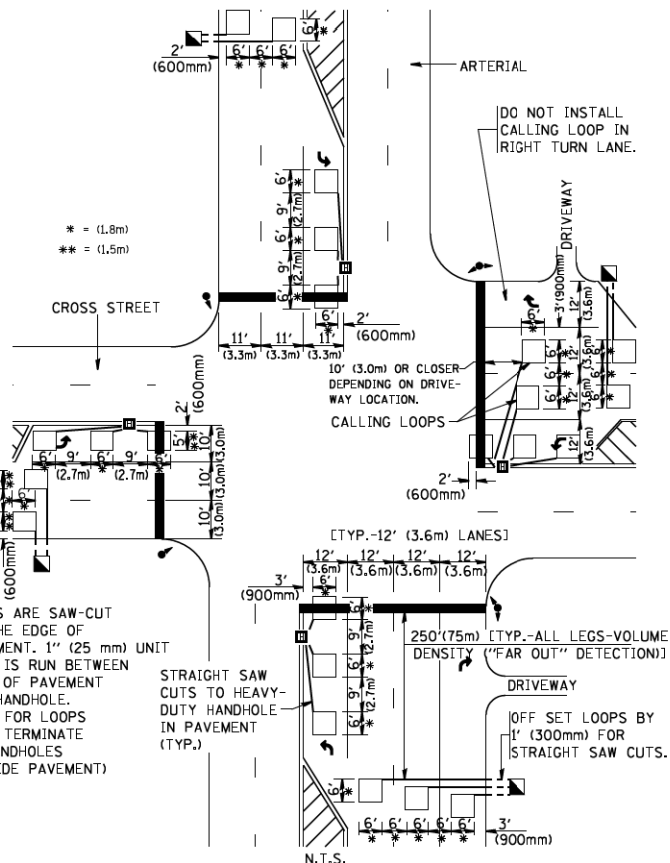
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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.

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

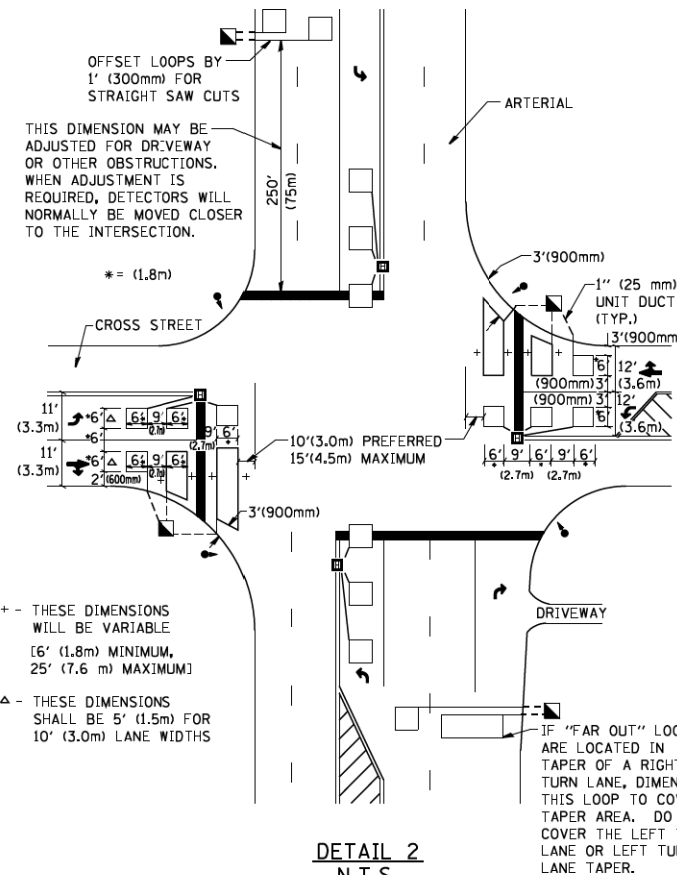


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

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)



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2  
N.T.S.

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.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>		F.A.U. RTE. 2585	SECTION 20-00136-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 41
PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISIED -	REVISIED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>TS-07</b>		CONTRACT NO. 61H57
PLOT DATE = 1/4/2008	DATE -	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT						