

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	McHenry	8	1
ILLINOIS			CONTRACT NO. 60Y81	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF MARENGO

ADT: 12,500 (2016)
POSTED SPEED: 30-55MPH

PROPOSED
HIGHWAY PLANS

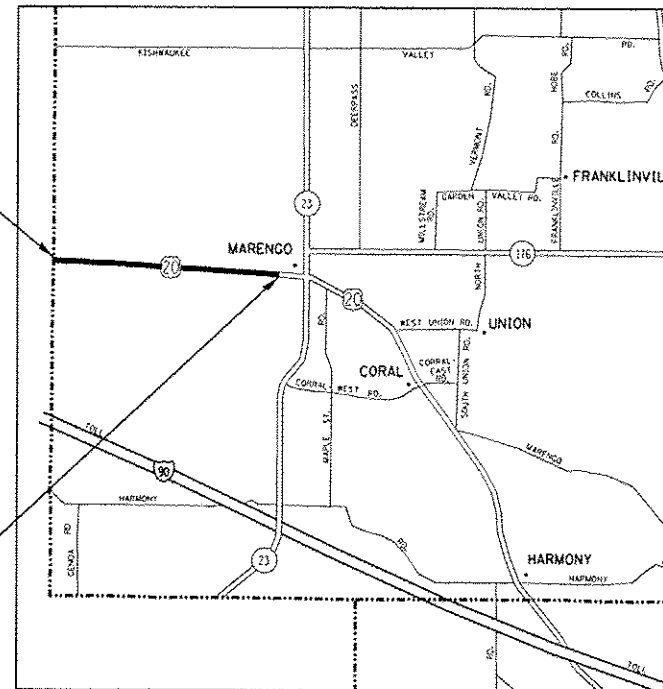
FAP ROUTE 525 (US 20)
COUNTY LINE RD. TO WEST ST.
SECTION 12RS&T-12
PROJECT NHPP-0525 (120)
RESURFACING (3P), PEDESTRIAN RAMPS (ADA), DRAINAGE
MCHENRY COUNTY

C-91-025-15

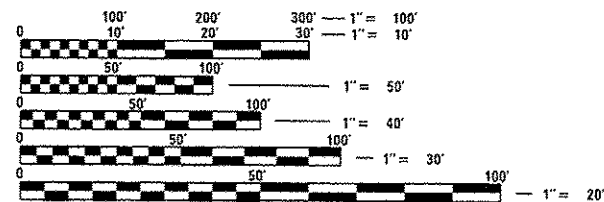


LIMITS OF IMPROVEMENT
SECTION 12RS-12
BEGINS AT STA. 13+86.42

LIMITS OF IMPROVEMENT
SECTION 12RS-12
ENDS AT STA. 254+79.12



MARENGO TOWNSHIP



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

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

PROJECT ENGINEER: DANIEL WILGREEN 705-4240
PROJECT MANAGER: FAWAD AQUEEL 705-4247

GROSS LENGTH = 24,092.70 FT. = 4.563 MILE
NET LENGTH = 24,092.70 FT. = 4.563 MILE

CONTRACT NO. 60Y81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 17 20 17

[Signature]
REGIONAL ENGINEER

May 12 20 17

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 20 17

[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER, OR CROSS WALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

COMMITMENTS

NONE

GENERAL NOTES

- ① BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- ② THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- ③ THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ④ THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF MARENGO AND MCHENRY COUNTY.
- ⑤ THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ⑥ THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- ⑦ THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ⑧ THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)795-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ⑨ 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 THE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ⑩ WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED THEIR LOCATION.
- ⑪ IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- ⑫ DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ⑬ SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5' LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- ⑭ THE NOMINAL THICKNESS FOR HMA BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, PLANS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- ⑮ WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN BASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- ⑯ OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED IN THE CONTRACT SPECIFICATIONS.
- ⑰ ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ⑱ EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.
- ⑲ FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- ⑳ PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- ㉑ THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ㉒ DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- ㉓ THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

FILE NAME :	USER NAME : bartonrv	DESIGNED - RWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 FROM COUNTY LINE ROAD TO WEST STREET GENERAL NOTES	F.A.P. RTE. :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :	
Default	PLOT SCALE : 200.0000' / in.	CHECKED -	REVISED -			525	12RS&T-12	MCHENRY	31	2	
	PLOT DATE : 3/23/2017	DATE - 3/20/2017	REVISED -			CONTRACT NO. 60Y81					
						SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FEDERAL 20% STATE	0044 DRAINAGE 80% FEDERAL 20% STATE				
20200100	EARTH EXCAVATION	CU YD	255	2	253				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	270		270				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1928	44	1884				
25000210	SEEDING, CLASS 2A	ACRE	0.5		0.5				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	1	35				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	1	35				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	1	35				
25100630	EROSION CONTROL BLANKET	SO YD	1873		1873				
25200110	SODDING, SALT TOLERANT	SO YD	55	55					
28000305	TEMPORARY DITCH CHECKS	FOOT	20	20					
28000400	PERIMETER EROSION BARRIER	FOOT	1094	1094					
28000510	INLET FILTERS	EACH	2	2					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49876	49876					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	111	111					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3104	3104					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FEDERAL 20% STATE	0044 DRAINAGE 80% FEDERAL 20% STATE				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	173	173					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6207	6207					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	150	150					
42400800	DETECTABLE WARNINGS	SO FT	16	16					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	73717	73717					
44000600	SIDEWALK REMOVAL	SO FT	498	498					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	2090	2090					
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	710	710					
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	150	150					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1285	1285					
56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1					
60251600	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 12 FRAME AND GRATE	EACH	1	1					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	360	360					
	* SPECIALTY ITEMS								

FILE NAME :	USER NAME : barlow	DESIGNED - RWB	REVISED -
Office: District 1 Projects/02/25/15/CA0000/Design/02/25/15/RWB		CHECKED - RWB	REVISED -
PLOT SCALE = 100,000 / 1 in.		DATE - 3/21/2017	REVISED -
PLOT DATE = 3/23/2017			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
SUMMARY OF QUANTITIES**

F.A.P. RTE. 525	SECTION 12RS&T-12	COUNTY MCHENRY	TOTAL SHEETS 31	SHEET NO. 3
SCALE: SHEET NO. 1 OF 3 SHEETS		STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FEDERAL 20% STATE	0044 DRAINAGE 80% FEDERAL 20% STATE		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	350	2	348		
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.5	0.5		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4796	4796			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	55805	55805			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	55	55			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	118	118			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2398	2398			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FEDERAL 20% STATE	0044 DRAINAGE 80% FEDERAL 20% STATE		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	47634	47634			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	55	55			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	118	118			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	339	339			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	339	339			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1			
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	24093	24093			
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	508	508			
* X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	137	137			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	19663	19663			
* X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	8172	8172			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	66	66			
* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	5			

* SPECIALTY ITEMS

FILE NAME *	USER NAME * bartonw	DESIGNED - RWB	REVISED -
Office: Q:\Info\Projects\1025\CA000\Design\102550R&T\		REVISOR - RWB	REVISED -
PLOT SCALE * 1000000 / 1"		CHECKED -	REVISED -
PLOT DATE * 3/23/2017		DATE - 3/21/2017	REVISED -

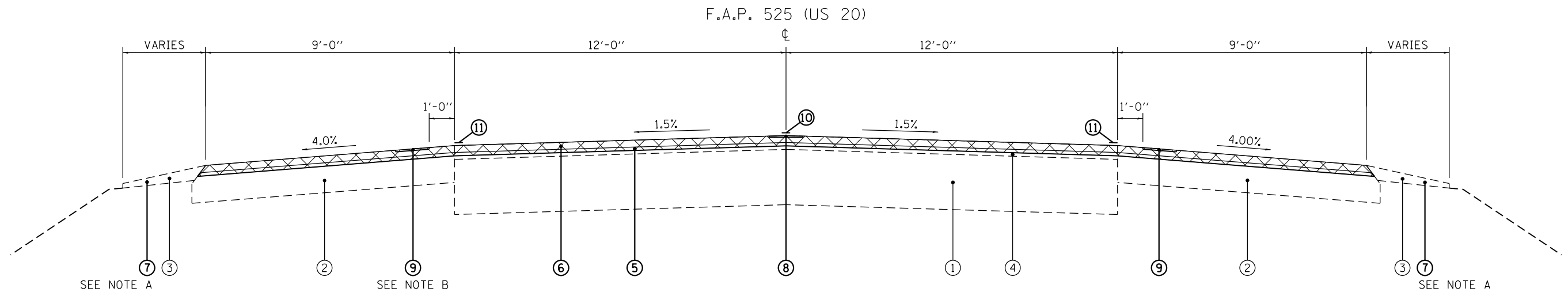
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 FROM COUNTY LINE ROAD TO WEST STREET
SUMMARY OF QUANTITIES

F.A.P. RTE. 525	SECTION 12RS&T-12	COUNTY MCHENRY	TOTAL SHEETS 31	SHEET NO. 4
SCALE:		SHEET NO. 2 OF 3 SHEETS		STA. TO STA.
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NON PARTICIPATING

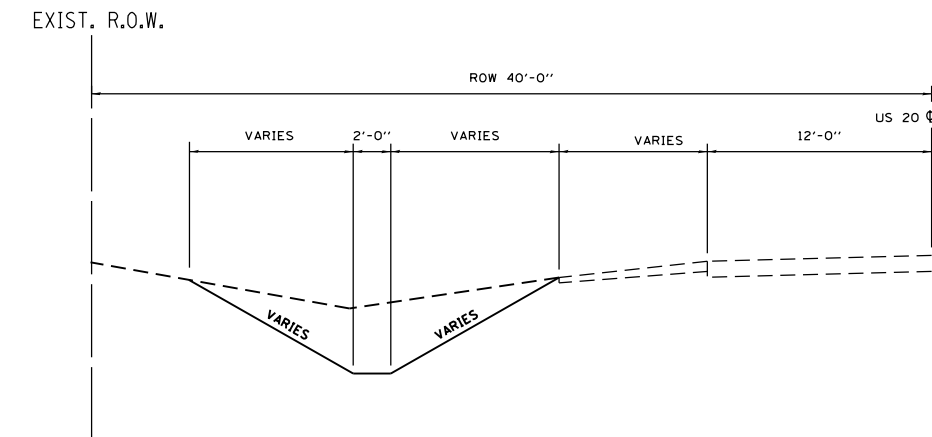
REV



(1) STA. 13+86.42 TO STA. 15+80.31 [193.89']
 (EXISTING AND PROPOSED)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	QCP
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE
- CONTRACTOR SHALL MILL BEFORE PATCHING



PROPOSED TYPICAL SECTION (DRAINAGE)

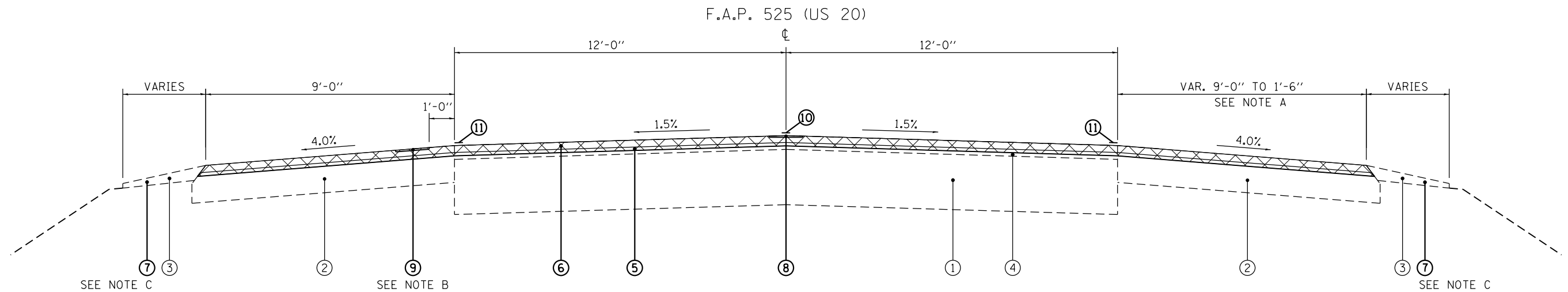
STA. 16+00 TO STA. 23+00

NOT TO SCALE

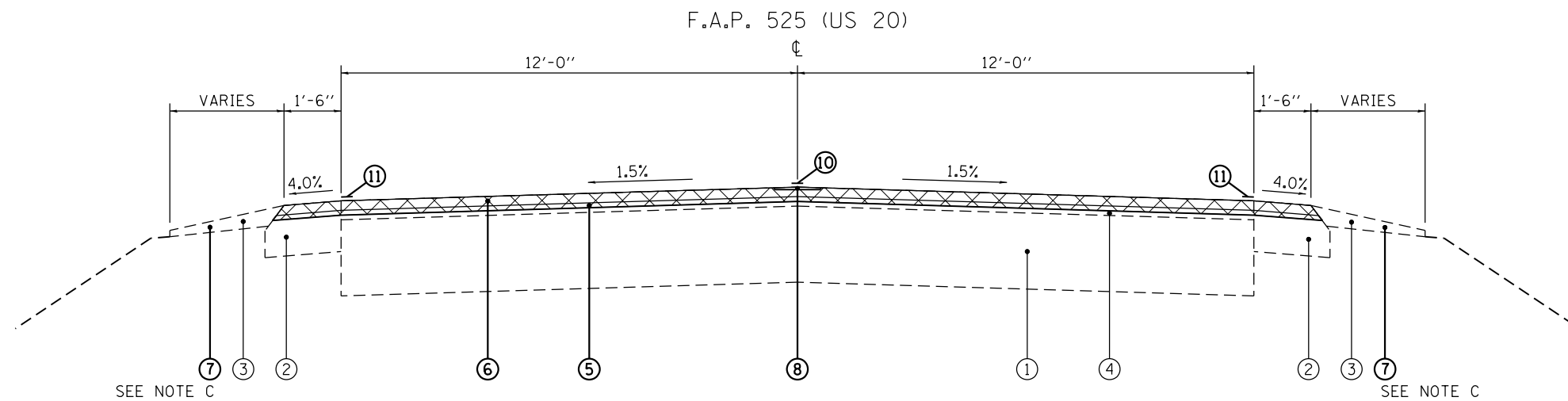
NOTES

- (A) 2'-0" WIDTH AGG. WEDGE SHOULDER, TYPE B TO BE PLACED OVER ALL EXISTING AGG. SHOULDERS
- (B) SHOULDER RUMBLE STRIP OMITTED FROM STA. 14+27.30 LT. TO STA. 15.40+47 LT.

LEGEND	
①	EXIST. P.C.C. BASE COURSE 7 1/4"±
②	EXIST. H.M.A. SHOULDER
③	EXIST. AGGREGATE SHOULDER
④	EXIST. H.M.A. OVERLAY (REMAINING) 4 1/4"±
⑤	PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
⑥	PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2"
⑦	PROP. AGGREGATE WEDGE SHOULDER, TYPE B
⑧	PROP. CL RUMBLE STRIP
⑨	PROP. SHOULDER RUMBLE STRIPS, 16 INCH
⑩	PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING, 4"
⑪	PROP. THERMOPLASTIC PAVEMENT MARKING, 4"
⊗	PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"



(2) STA. 15+80.31 TO STA. 16+75.23 [94.92']
(EXISTING AND PROPOSED)



(3) STA. 16+75.23 TO STA. 254+79.12 [23,803.89']
(EXISTING AND PROPOSED)

LEGEND

- ① EXIST. P.C.C. BASE COURSE 7 1/4"±
- ② EXIST. H.M.A. SHOULDER
- ③ EXIST. AGGREGATE SHOULDER
- ④ EXIST. H.M.A. OVERLAY (REMAINING) 4 1/4"±
- ⑤ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- ⑥ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2"
- ⑦ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑧ PROP. CL RUMBLE STRIP
- ⑨ PROP. SHOULDER RUMBLE STRIPS, 16 INCH
- ⑩ PROP. HOT SPRAY THERMOPLASTIC PAVEMENT MARKING, 4"
- ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING, 4"
- ⊗ PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"

NOTES

- (A) VARIES FROM 9'-0" TO 1'-6" FROM STA. 15+80.31 RT. TO STA. 16+32.38 RT.
- (B) SHOULDER RUMBLE STRIP ENDS AT STA. 16+65.06 LT.
- (C) 2'-0" WIDTH AGG. WEDGE SHOULDER, TYPE B TO BE PLACED OVER ALL EXISTING AGG. SHOULDERS

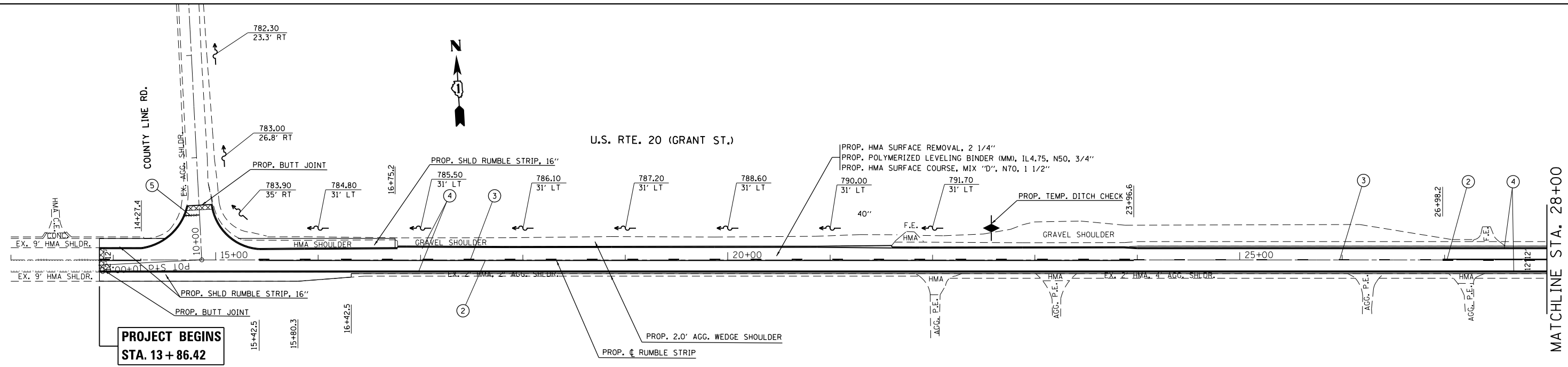
FILE NAME =	USER NAME = bartonrw	DESIGNED - RWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 FROM COUNTY LINE ROAD TO WEST STREET TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\1025\Drawings\Design\WB\15-sh-typical.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -					525	12RS&T-12	MCHENRY	31	7
Default	PLotted DATE = 3/23/2017	DATE - 2/21/2017	REVISED -		CONTRACT NO. 60Y81			ILLINOIS FED. AID PROJECT				
					SCALE: NTS	SHEET 2	OF 2 SHEETS	STA.	TO STA.			

EARTHWORK

TYP. SEC.	LOCATION	CUT (CU YD)	FILL (CU YD)	SHRINKAGE * (CU YD)	EARTH EXCAVATION (CU YD)	FURNISHED EXCAVATION (CU YD)	REM. AND DISPOSAL OF UNSUITABLE MATERIAL** (CU YD)	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)
	FAP 525 (US 20)							
	STA. 16+00.00							
	STA. 17+00.00	20.63	0	0	20.63	0	27.98	174.78
	STA. 18+00.00	19.00	0	0	19.00	0	27.80	172.11
	STA. 19+00.00	22.26	0	0	22.26	0	27.78	171.94
	STA. 20+00.00	25.72	0	0	25.72	0	28.52	176.94
	STA. 21+00.00	25.94	0	0	25.94	0	26.76	167.17
	STA. 21+78.29	12.63	0	0	12.63	0	20.72	129.74
	STA. 22+00.00	1.29	0	0	1.29	0	5.00	31.18
	STA. 23+00.00	2.02	0	0	2.02	0	8.50	106.33
	COUNTY LINE RD. RADUIS							
	STA. 11+00.00	56.48	0	0	56.48	0	45.25	296.08
	STA. 12+00.00	47.02	0	0	47.02	0	34.50	231.11
	STA. 12+93.48	18.42	0	0	18.42	0	16.20	215.11
	PARK DR. ADJ. CATCH BASIN	0	0	0	0	0	0	11.11
	WEST ST. SIDEWALK ADA RAMPS	2.00	0	0	2.00	0	0	37.73
	PROJECT TOTAL				255	0	270	1,922

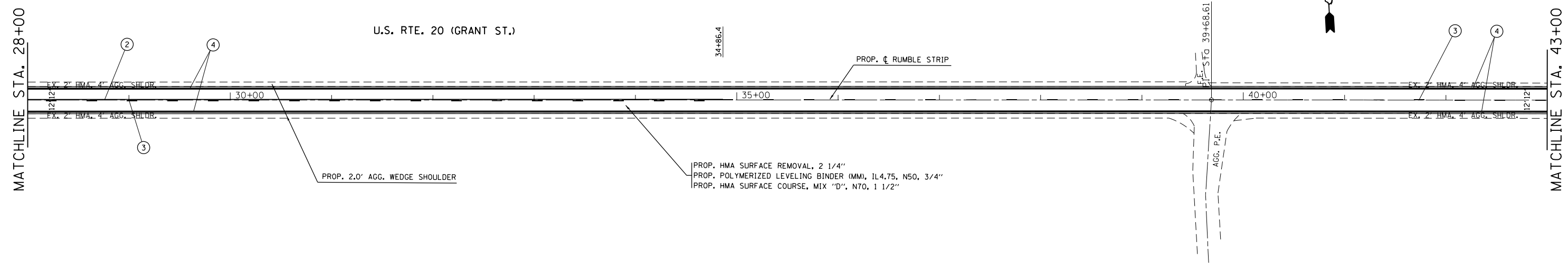
* CUT VOLUME USED FOR FILL, ADJUSTED FOR SHRINKAGE, ASSUMING A SHRINKAGE FACTOR OF 15%

** ASSUME TOP 6" OF MATERIAL IN UNDISTRUBED AREAS TO BE UNSUITABLE



LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C



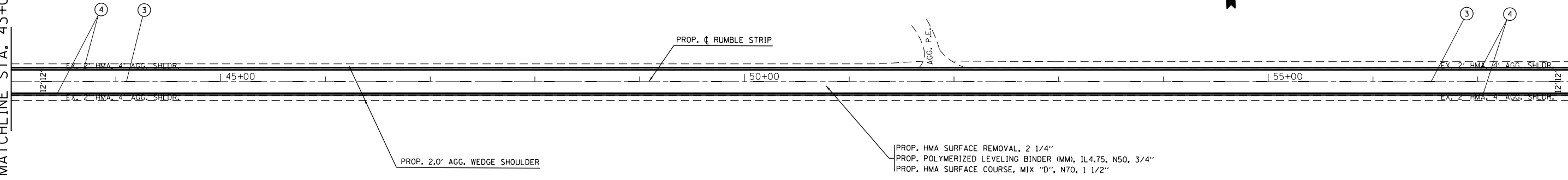
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pw:\IL\084EBIDINTEG.illinois.gov\PIWDDT\Documents\IDOT Offices\District 1\Projects\1025\Drawings\15-sht-plan.dgn	DRAWN - RWB	CHECKED -	REVISED -			525	12RS&T-12	MCHENRY	31	9	
Default	PLOT SCALE = 100.0000' / in.	DATE - 12/14/2016	REVISED -			CONTRACT NO. 60Y81					
	PLOT DATE = 3/23/2017					ILLINOIS FED. AID PROJECT					

SCALE: 1" = 50' SHEET 1 OF 9 SHEETS STA. 13+86.42 TO STA. 43+00

MATCHLINE STA. 43+00

U.S. RTE. 20 (GRANT ST.)

MATCHLINE STA. 58+00

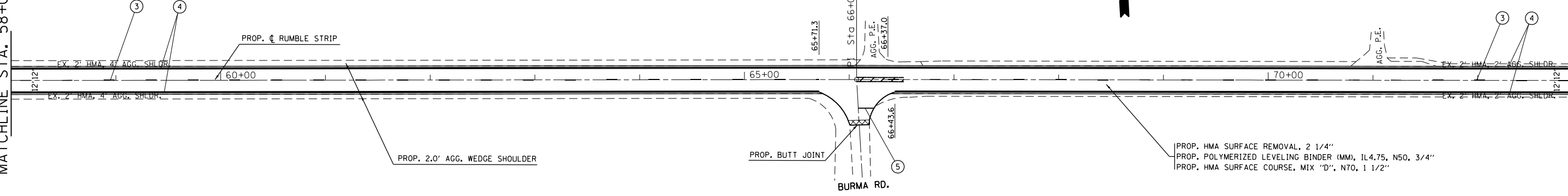


- LEGEND**
- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
 - ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
 - ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
 - ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
 - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

MATCHLINE STA. 58+00

U.S. RTE. 20 (GRANT ST.)

MATCHLINE STA. 73+00



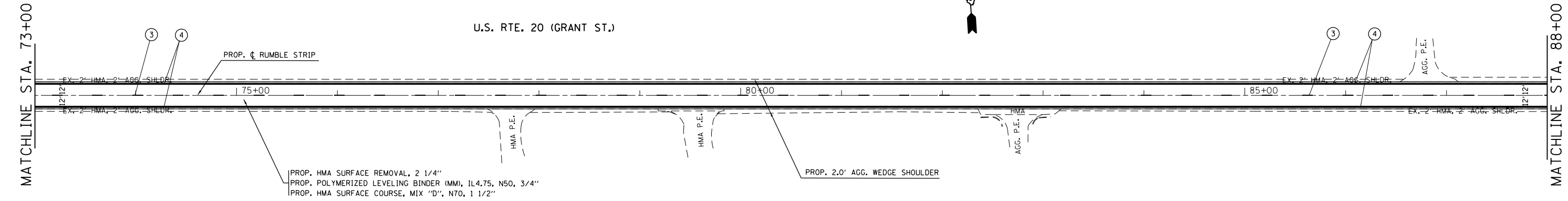
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

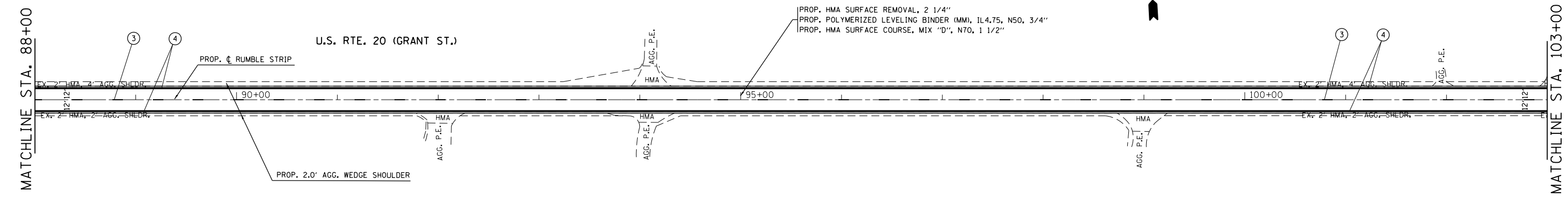
**US 20 FROM COUNTY LINE ROAD TO WEST STREET
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 2 OF 9 SHEETS STA. 43+00 TO STA. 73+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	10
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
 - ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
 - ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
 - ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
 - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

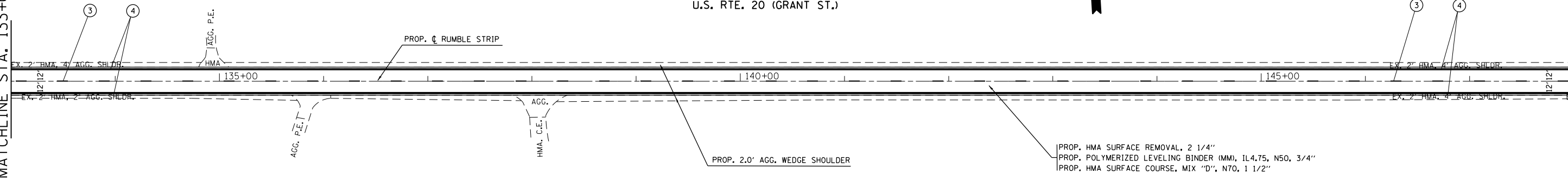


FILE NAME =	USER NAME = bartonrw	DESIGNED - RWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 FROM COUNTY LINE ROAD TO WEST STREET ROADWAY AND PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 3/23/2017	DATE - 12/14/2016	REVISED -			CONTRACT NO. 60Y81			ILLINOIS FED. AID PROJECT		
						SCALE: 1" = 50'	SHEET 3 OF 9 SHEETS	STA. 73+00 TO STA. 103+00			

MATCHLINE STA. 133+00

MATCHLINE STA. 148+00

U.S. RTE. 20 (GRANT ST.)



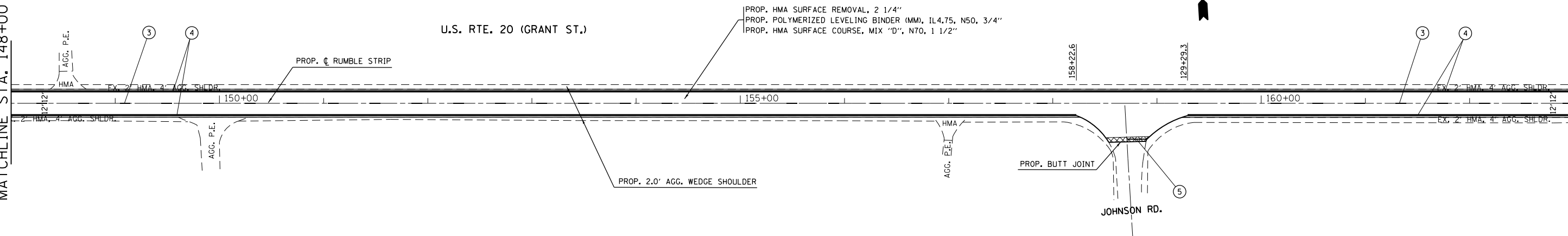
LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

MATCHLINE STA. 148+00

MATCHLINE STA. 163+00

U.S. RTE. 20 (GRANT ST.)



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
ROADWAY AND PAVEMENT MARKING PLAN**

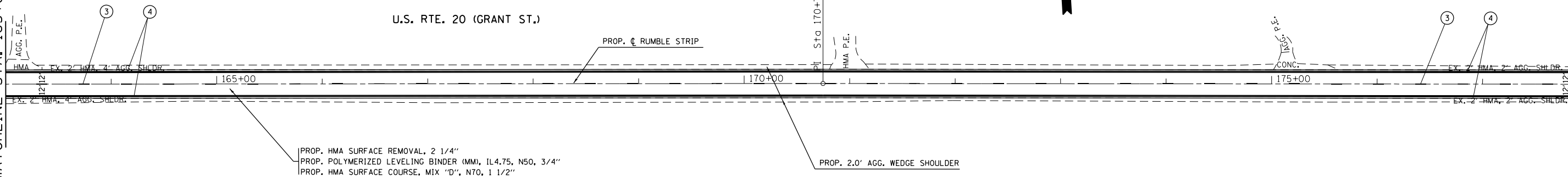
SCALE: 1" = 50' SHEET 5 OF 9 SHEETS STA. 133+00 TO STA. 163+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	13
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 163+00

MATCHLINE STA. 178+00

U.S. RTE. 20 (GRANT ST.)



PROP. HMA SURFACE REMOVAL, 2 1/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL4.75, N50, 3/4"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

PROP. 2.0' AGG. WEDGE SHOULDER

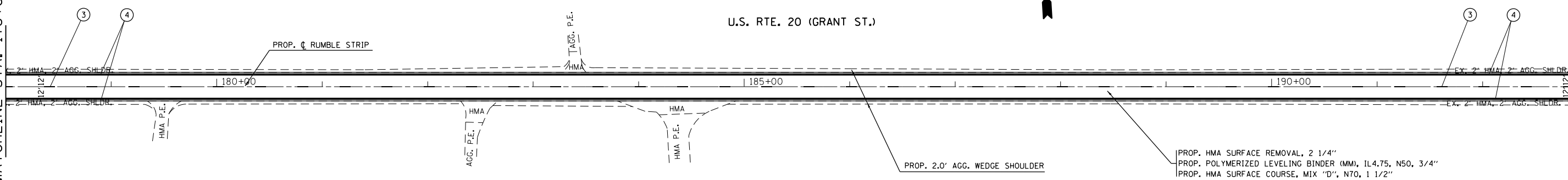
LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

MATCHLINE STA. 178+00

MATCHLINE STA. 193+00

U.S. RTE. 20 (GRANT ST.)



PROP. HMA SURFACE REMOVAL, 2 1/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL4.75, N50, 3/4"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

PROP. 2.0' AGG. WEDGE SHOULDER

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

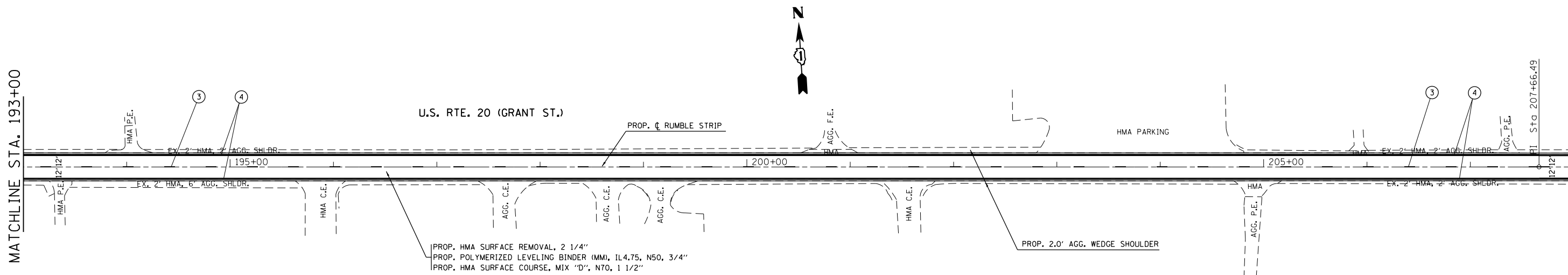
**US 20 FROM COUNTY LINE ROAD TO WEST STREET
 ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 6 OF 9 SHEETS STA. 163+00 TO STA. 193+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	14
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 193+00

MATCHLINE STA. 208+00



PROP. HMA SURFACE REMOVAL, 2 1/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL4.75, N50, 3/4"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

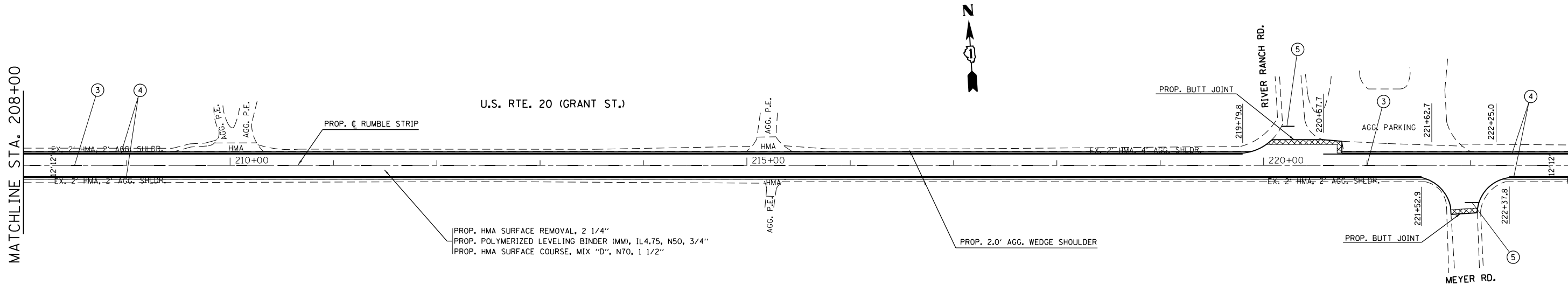
PROP. 2.0' AGG. WEDGE SHOULDER

LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

MATCHLINE STA. 208+00

MATCHLINE STA. 223+00



PROP. HMA SURFACE REMOVAL, 2 1/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL4.75, N50, 3/4"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"

PROP. 2.0' AGG. WEDGE SHOULDER

PROP. BUTT JOINT

FILE NAME =	USER NAME = bartonrw	DESIGNED - RWB	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

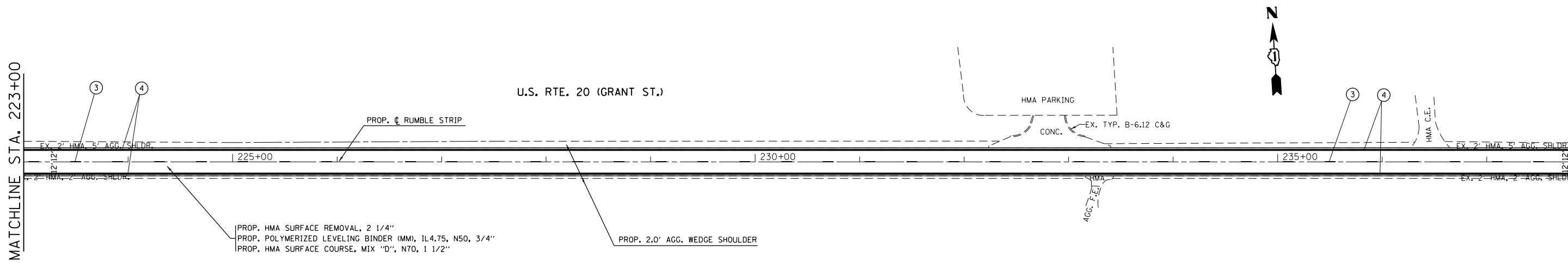
US 20 FROM COUNTY LINE ROAD TO WEST STREET
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 7 OF 9 SHEETS STA. 193+00 TO STA. 223+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	15
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 223+00

MATCHLINE STA. 238+00

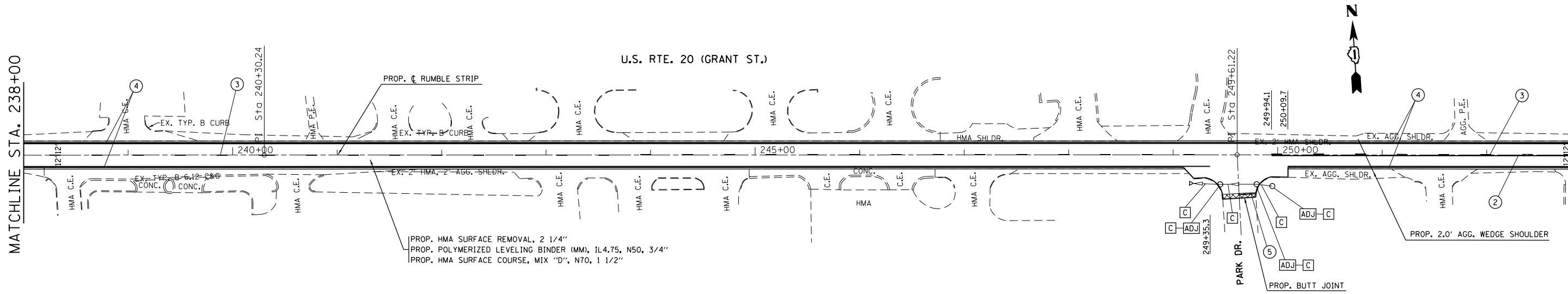


LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

MATCHLINE STA. 238+00

MATCHLINE STA. 253+00



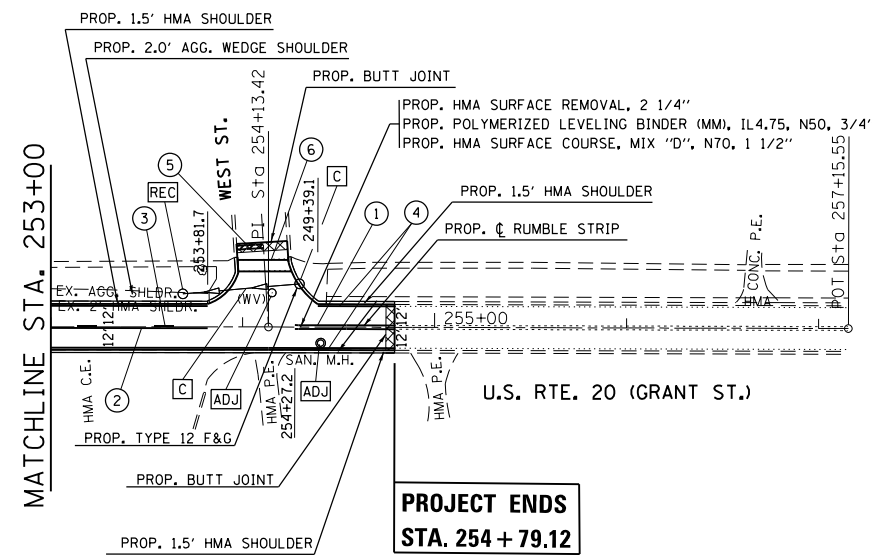
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Default	PLOT DATE = 3/23/2017	DATE - 12/14/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 8 OF 9 SHEETS STA. 223+00 TO STA. 253+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	16
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				



**PROJECT ENDS
STA. 254 + 79.12**

LEGEND

- ① HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 11" C-C
- ② HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID YELLOW CENTERLINE
- ③ HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH YELLOW CENTERLINE, 10' LINE 30' SPACE
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID WHITE EDGELINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOPBAR
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE CROSSWALK, 6' C-C

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 9 OF 9 SHEETS STA. 253+00 TO STA. 254+79.12

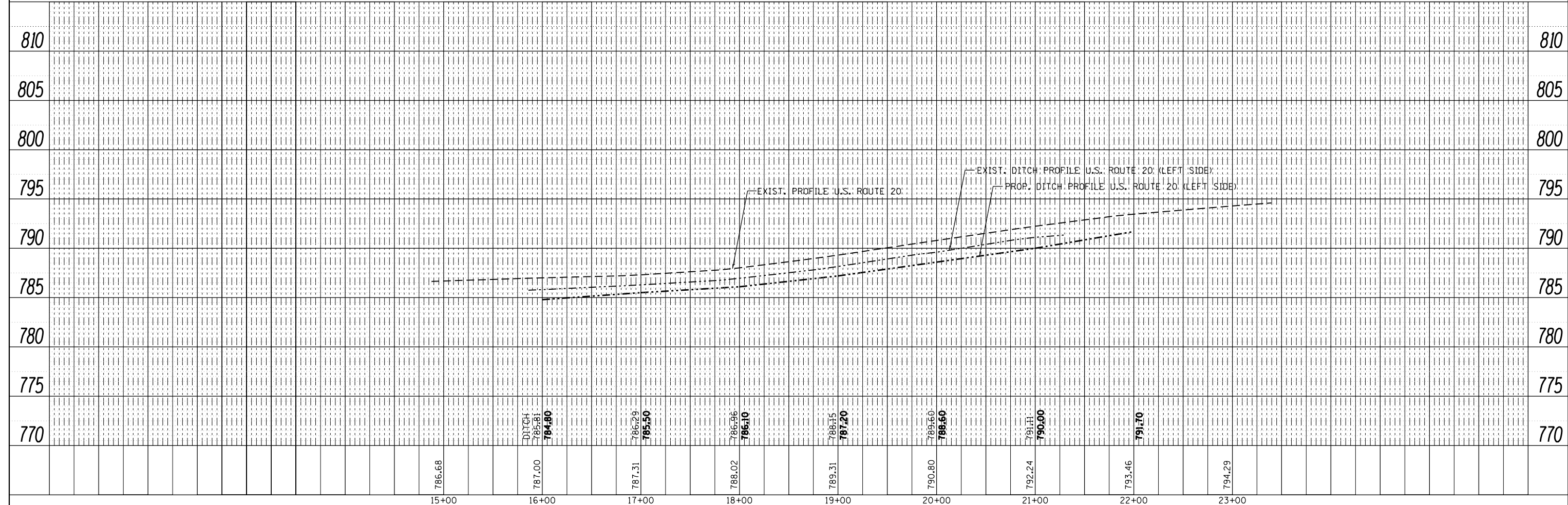
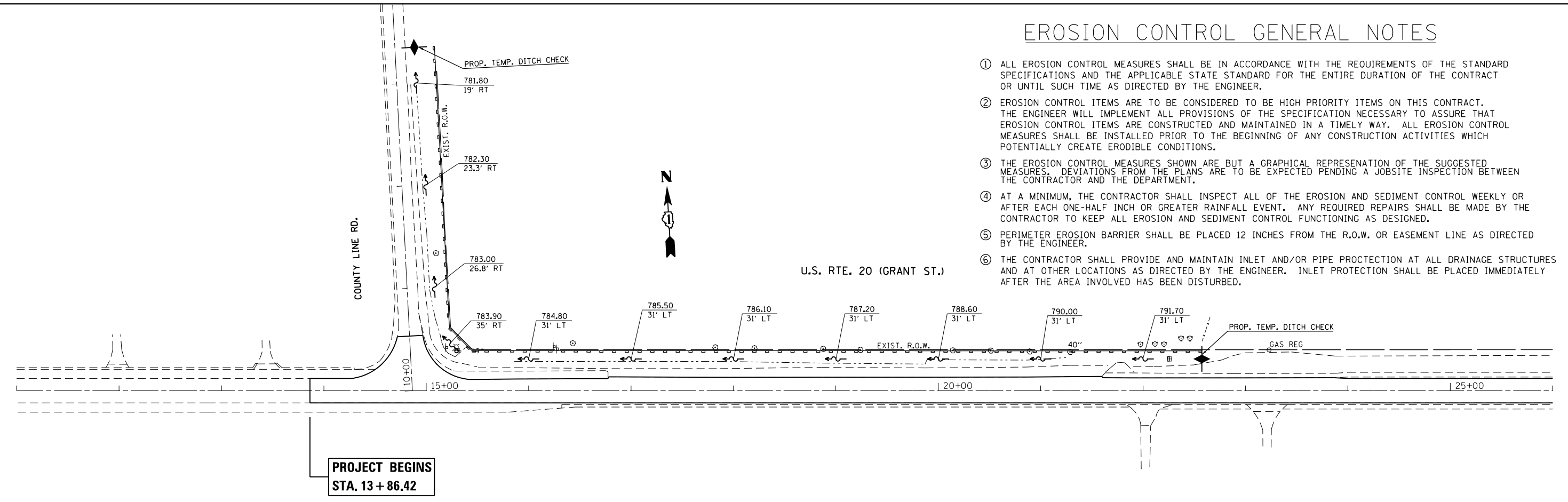
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	17
CONTRACT NO. 60Y81			ILLINOIS FED. AID PROJECT	

EROSION CONTROL GENERAL NOTES

- ① ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.
- ② EROSION CONTROL ITEMS ARE TO BE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.
- ③ THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF THE SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
- ④ AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL OF THE EROSION AND SEDIMENT CONTROL WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EROSION AND SEDIMENT CONTROL FUNCTIONING AS DESIGNED.
- ⑤ PERIMETER EROSION BARRIER SHALL BE PLACED 12 INCHES FROM THE R.O.W. OR EASEMENT LINE AS DIRECTED BY THE ENGINEER.
- ⑥ THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET AND/OR PIPE PROTECTION AT ALL DRAINAGE STRUCTURES AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

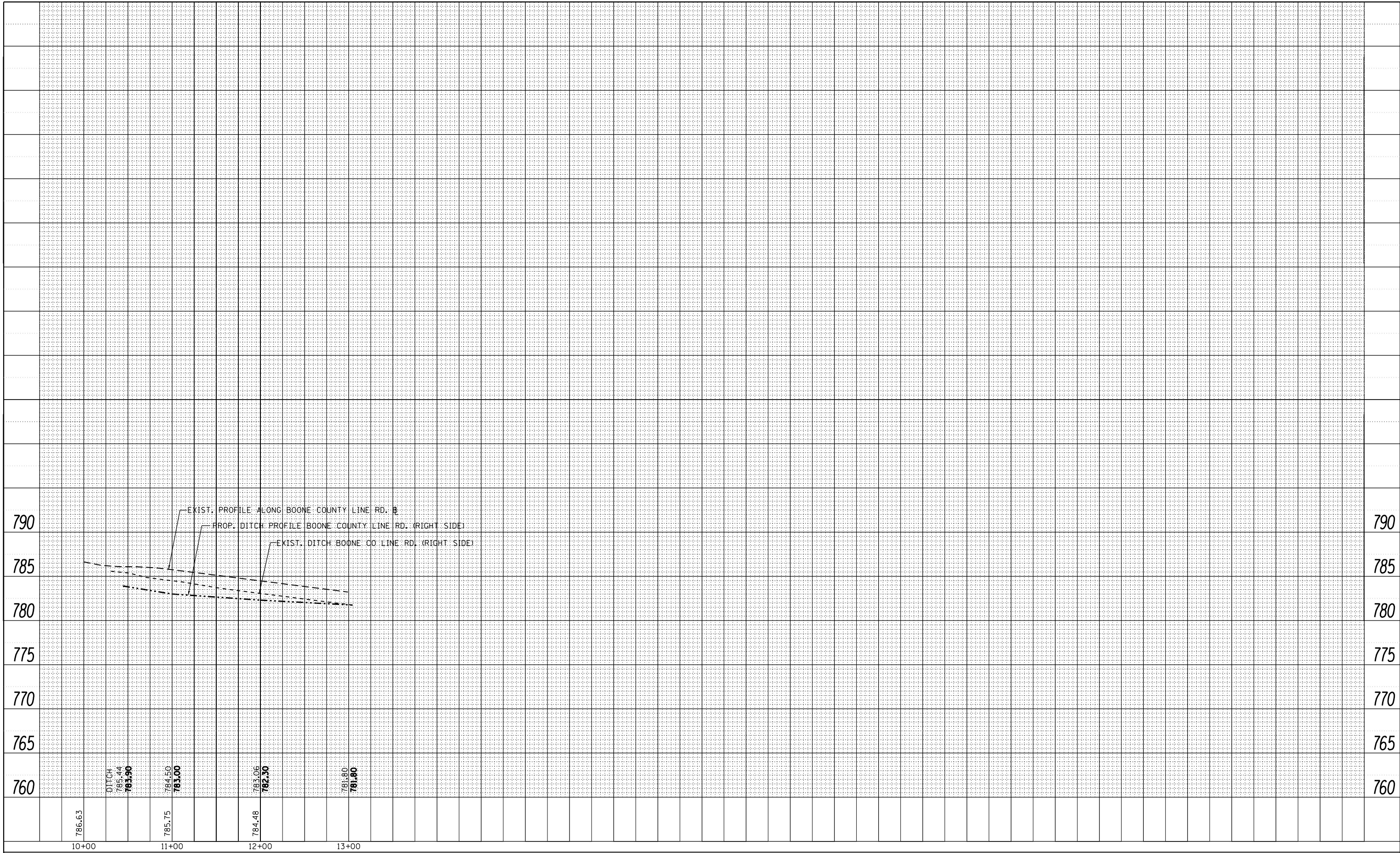
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	GRADES	BY
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



FILE NAME =	USER NAME = bartonr	DESIGNED - RWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 FROM COUNTY LINE ROAD TO WEST STREET DRAINAGE PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			525	12RS&T-12	MCHENRY	31	18	
		DATE - 12/16/2016	REVISED -			CONTRACT NO. 60Y81			ILLINOIS FED. AID PROJECT		
						SCALE: 1"=50'	SHEET 1 OF 2 SHEETS	STA. 13+86.42 TO STA. 26+00			

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
GRADES CHECKED	PLOTTED		
STRUCTURE	NOT AT THIS OFFICE		
NOTE BOOK NO.			



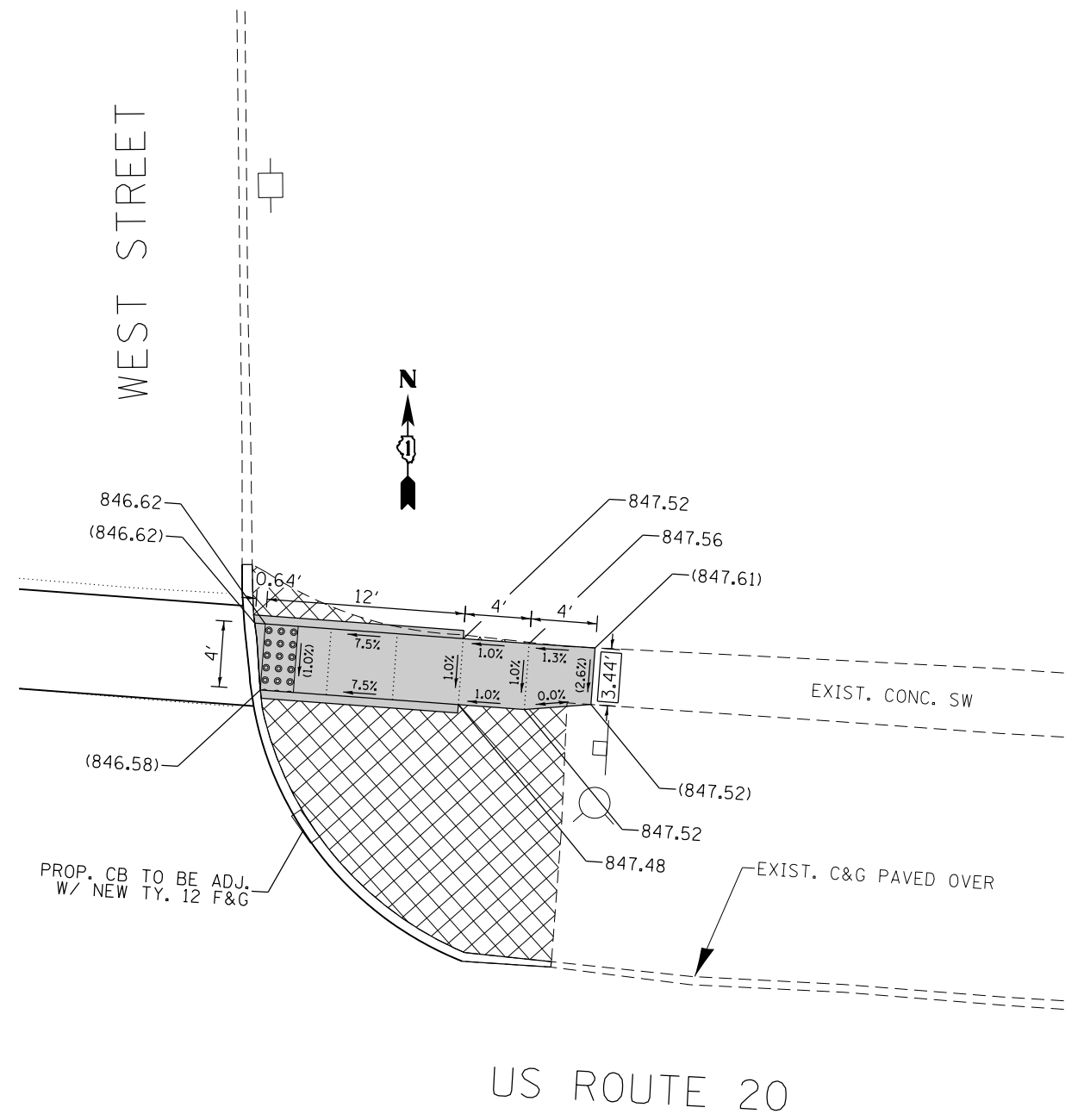
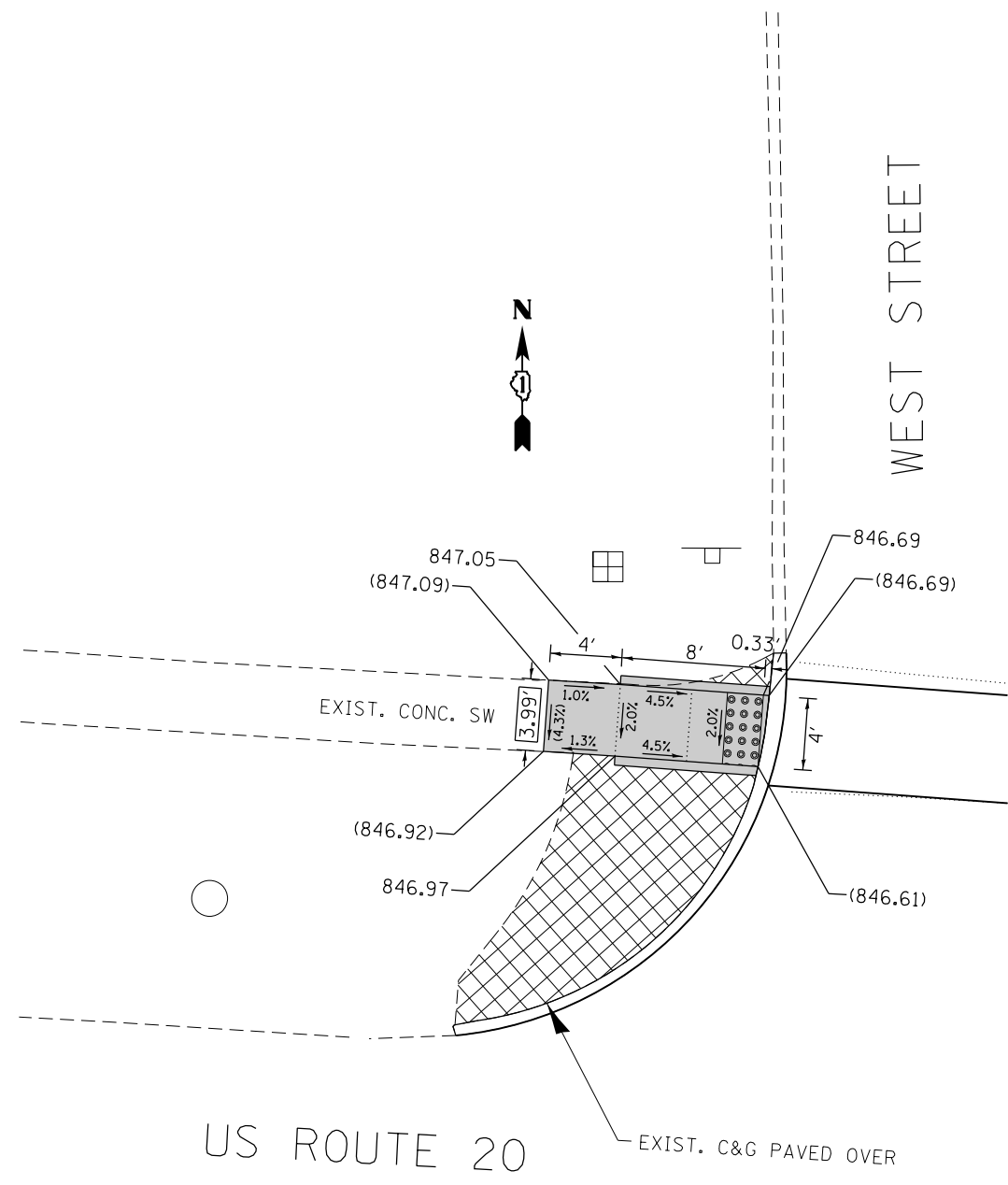
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Default	PLOT DATE = 3/23/2017	DATE - 2/21/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
DRAINAGE PLAN & PROFILE**

SCALE: SHEET 2 OF 2 SHEETS STA. 10+00 TO STA. 13+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	19
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 849.11
 BENCHMARK : BOLT WITH ARROW IN FIRE HYDRANT
 LOCATION : ON NORTH EAST CORNER OF US ROUTE 20 AND WEST STREET

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 849.11
 BENCHMARK : BOLT WITH ARROW IN FIRE HYDRANT
 LOCATION : ON NORTH EAST CORNER OF US ROUTE 20 AND WEST STREET

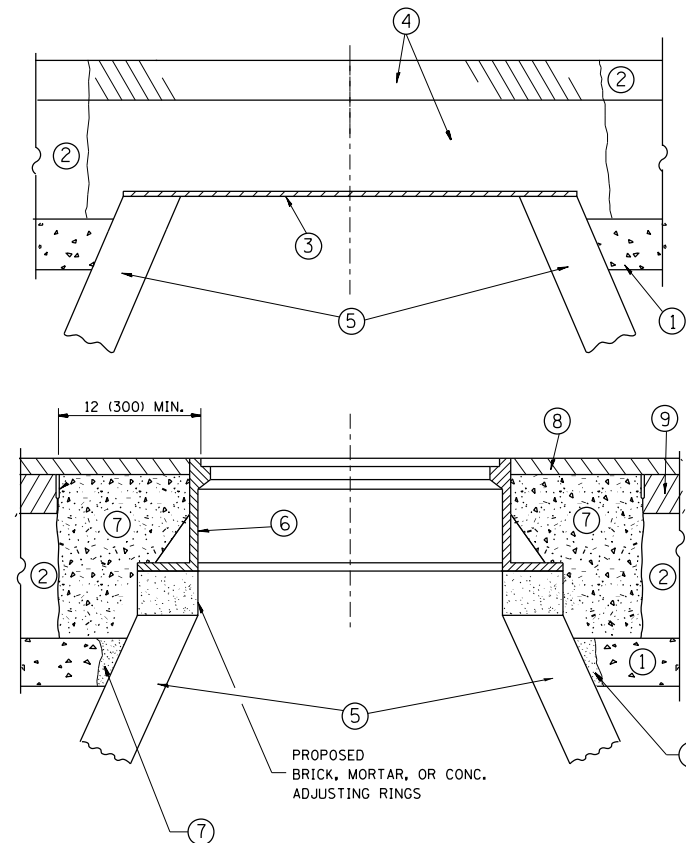
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	PLOT DATE = 3/23/2017	DATE - 3/21/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
 PEDESTRIAN RAMP DETAILS**

SCALE: 1" = 5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	20
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				



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 A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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

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:

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)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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.

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.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

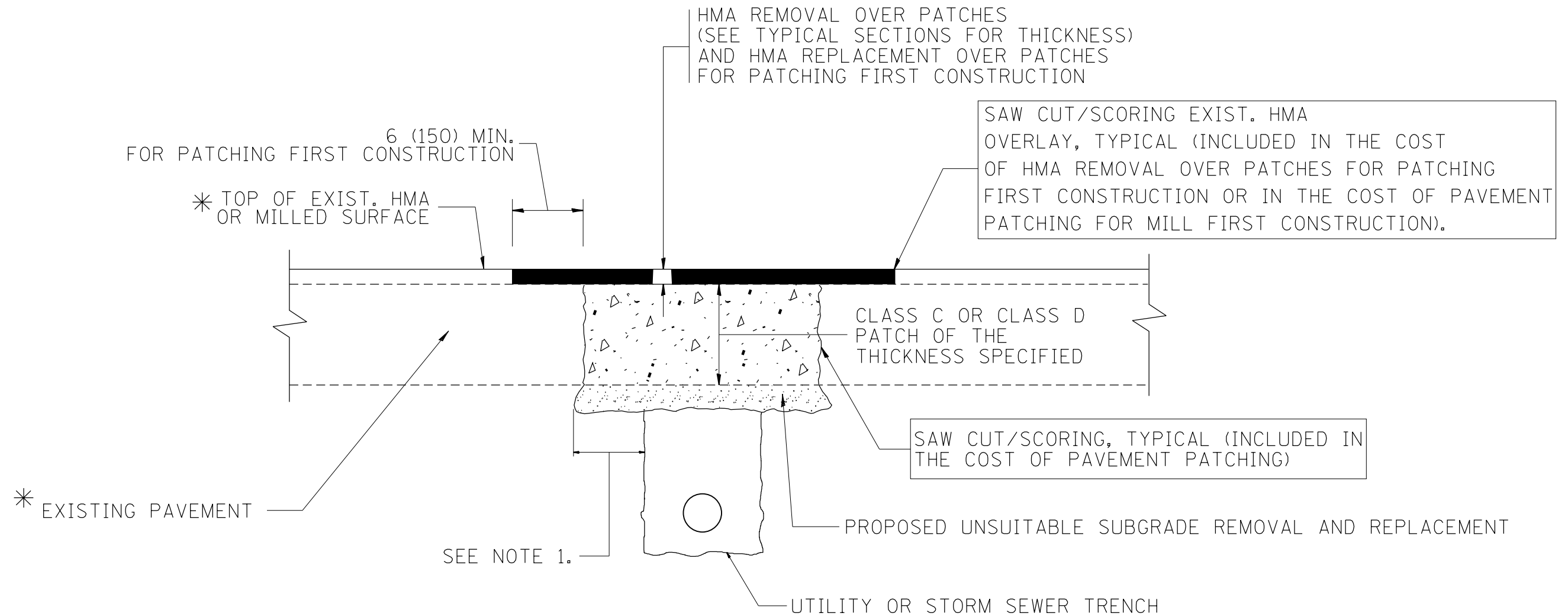
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bartonrw	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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		PLOT SCALE = 100.0000' / 1in.	REVISED - R. BORO 03-09-11
		PLOT DATE = 3/23/2017	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	21
BD600-03 (BD-8)		CONTRACT NO. 60Y81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

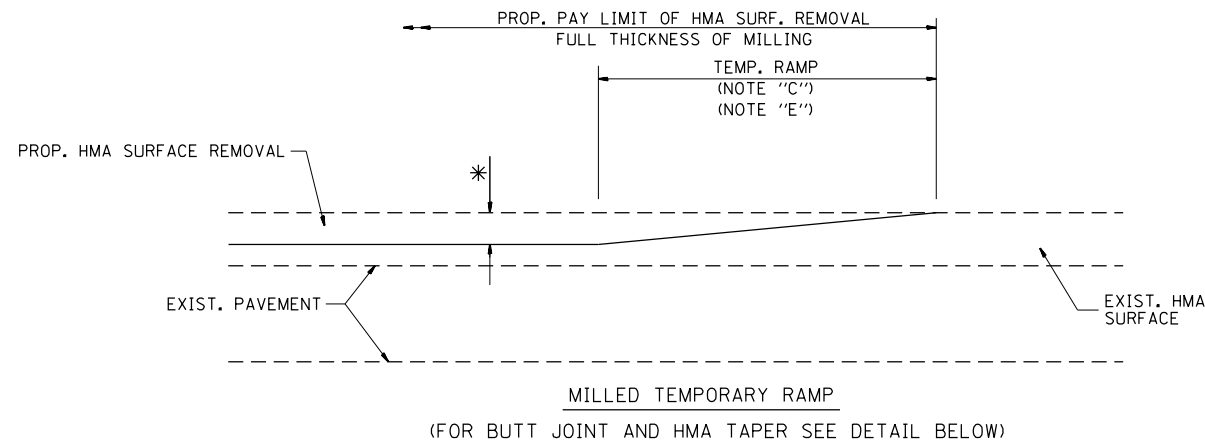
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

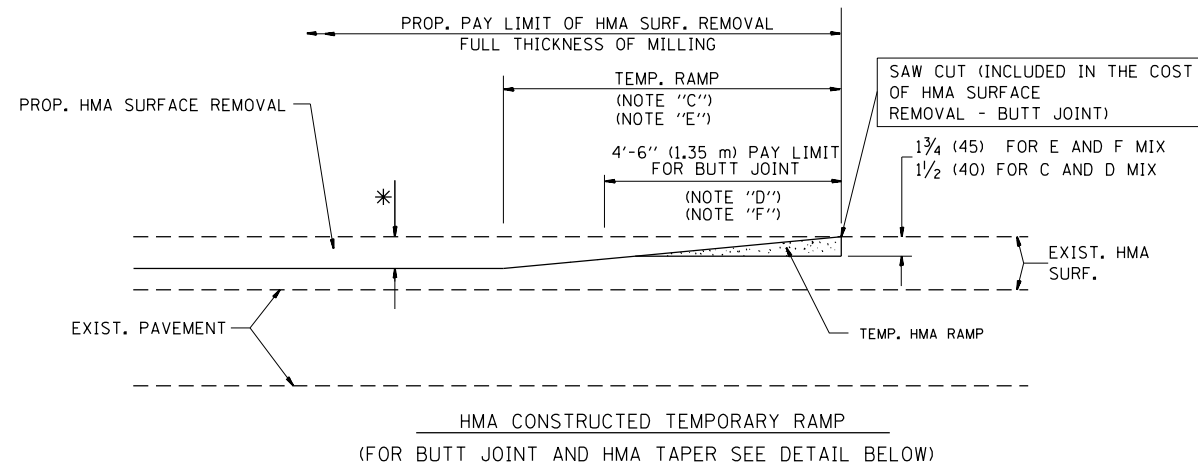
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = bartonw	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI025\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					525	12R5&T-12	MCHENRY	31	22
	PLOT DATE = 3/23/2017	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60Y81				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

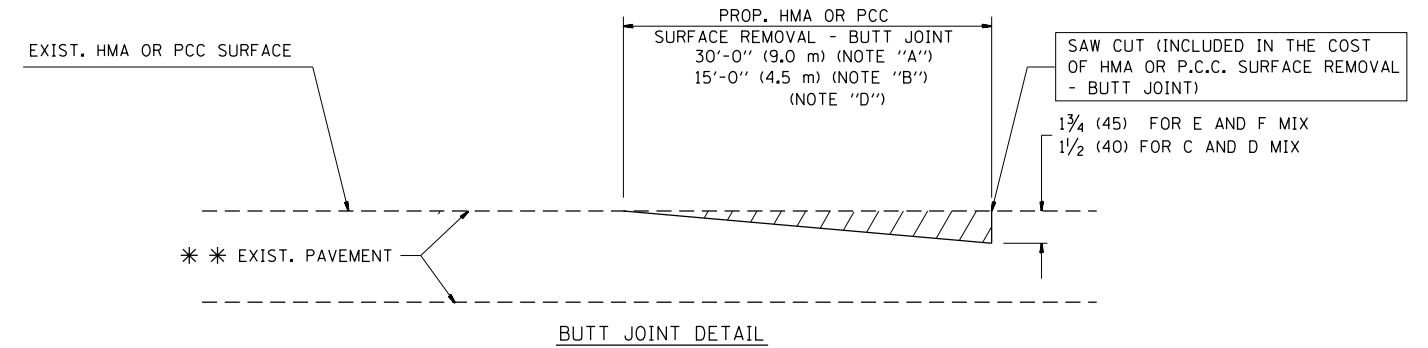


OPTION 1

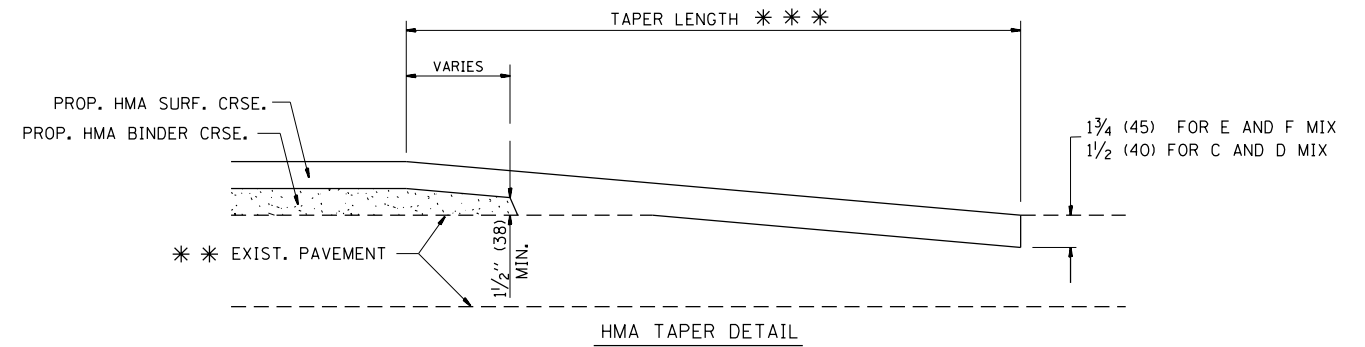


OPTION 2

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.

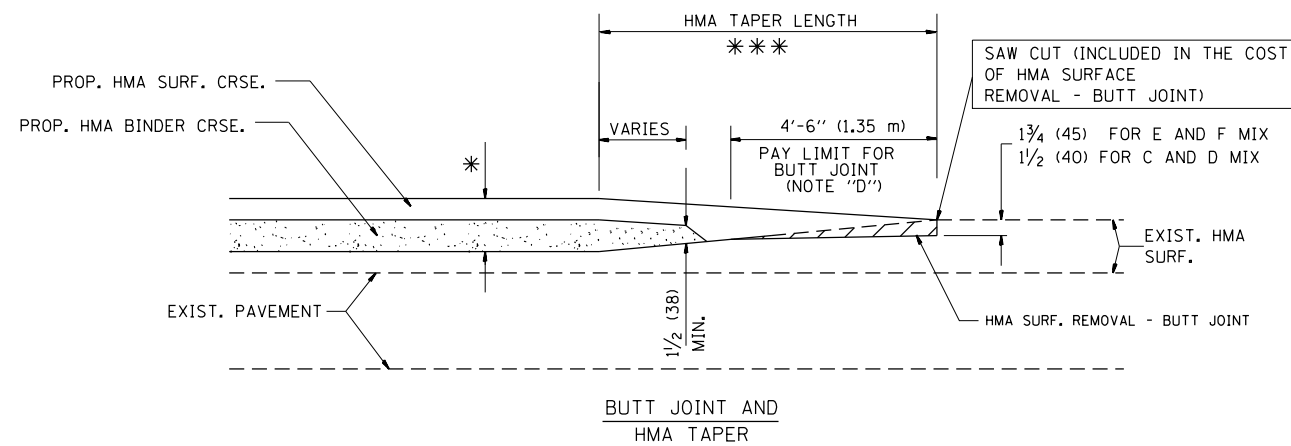
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 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:

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".

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



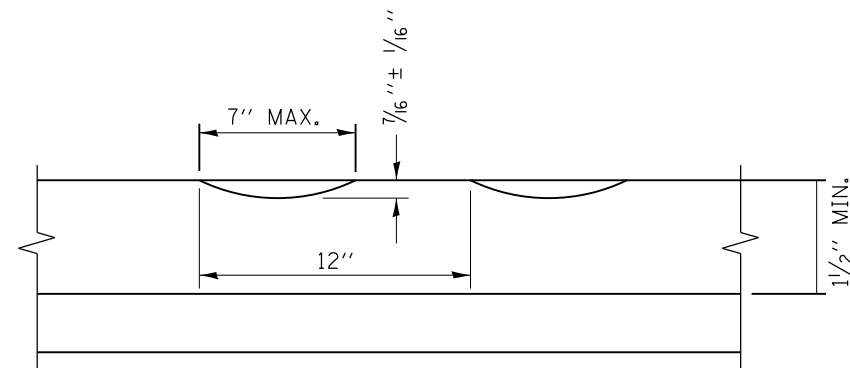
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = bartonw	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI025\Drawings\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
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	PLOT DATE = 3/23/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

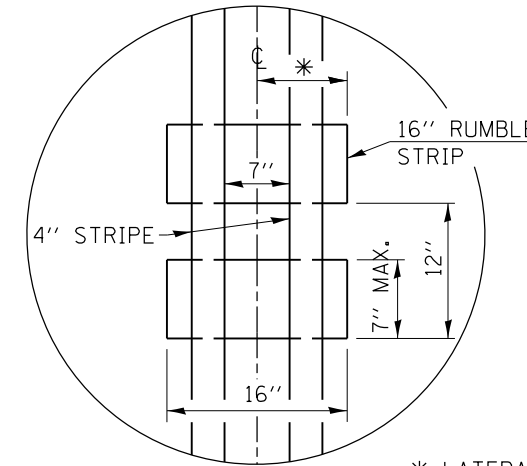
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	23
BD400-05 BD32		CONTRACT NO. 60Y81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A



DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

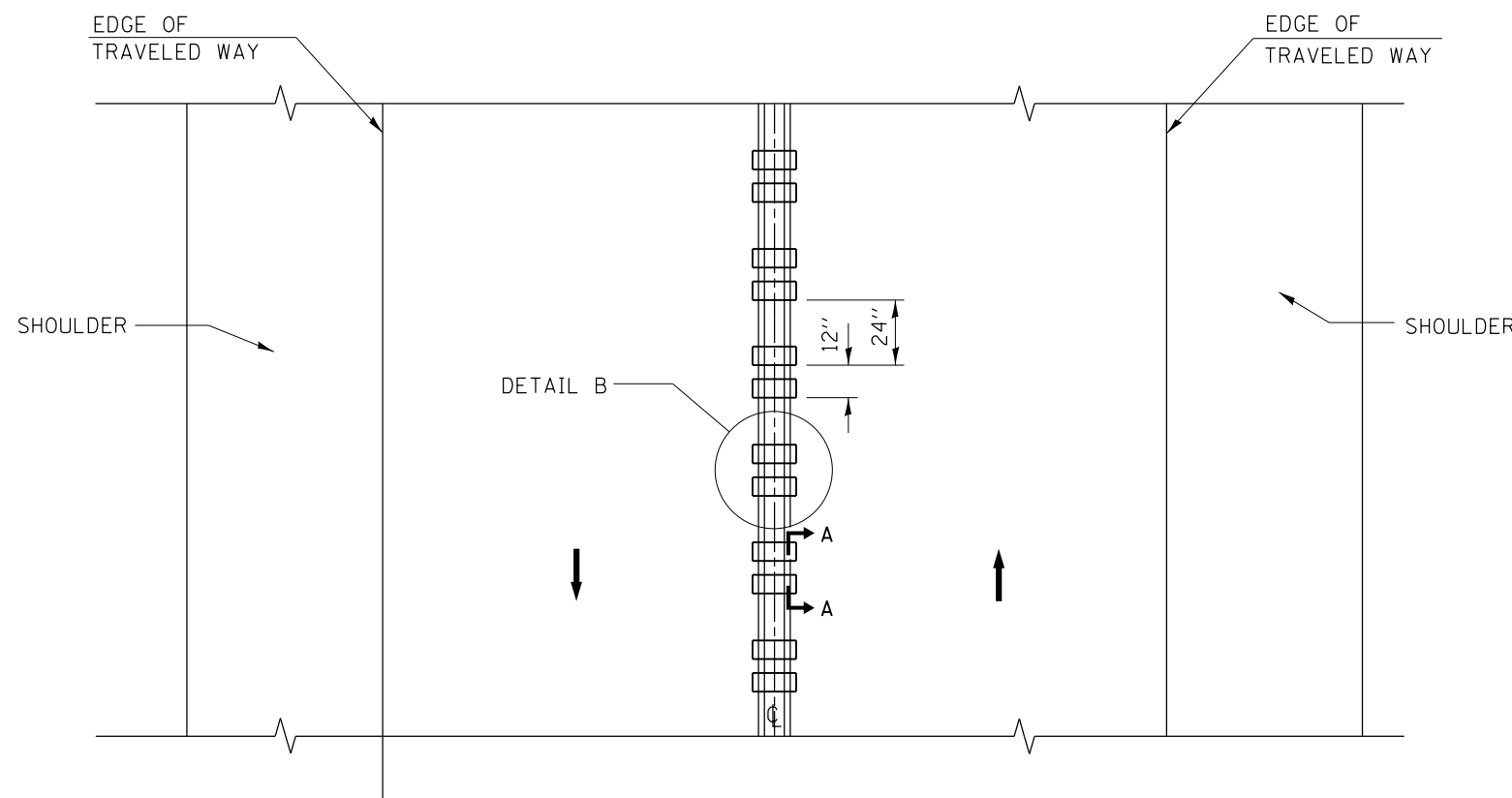
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEP CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

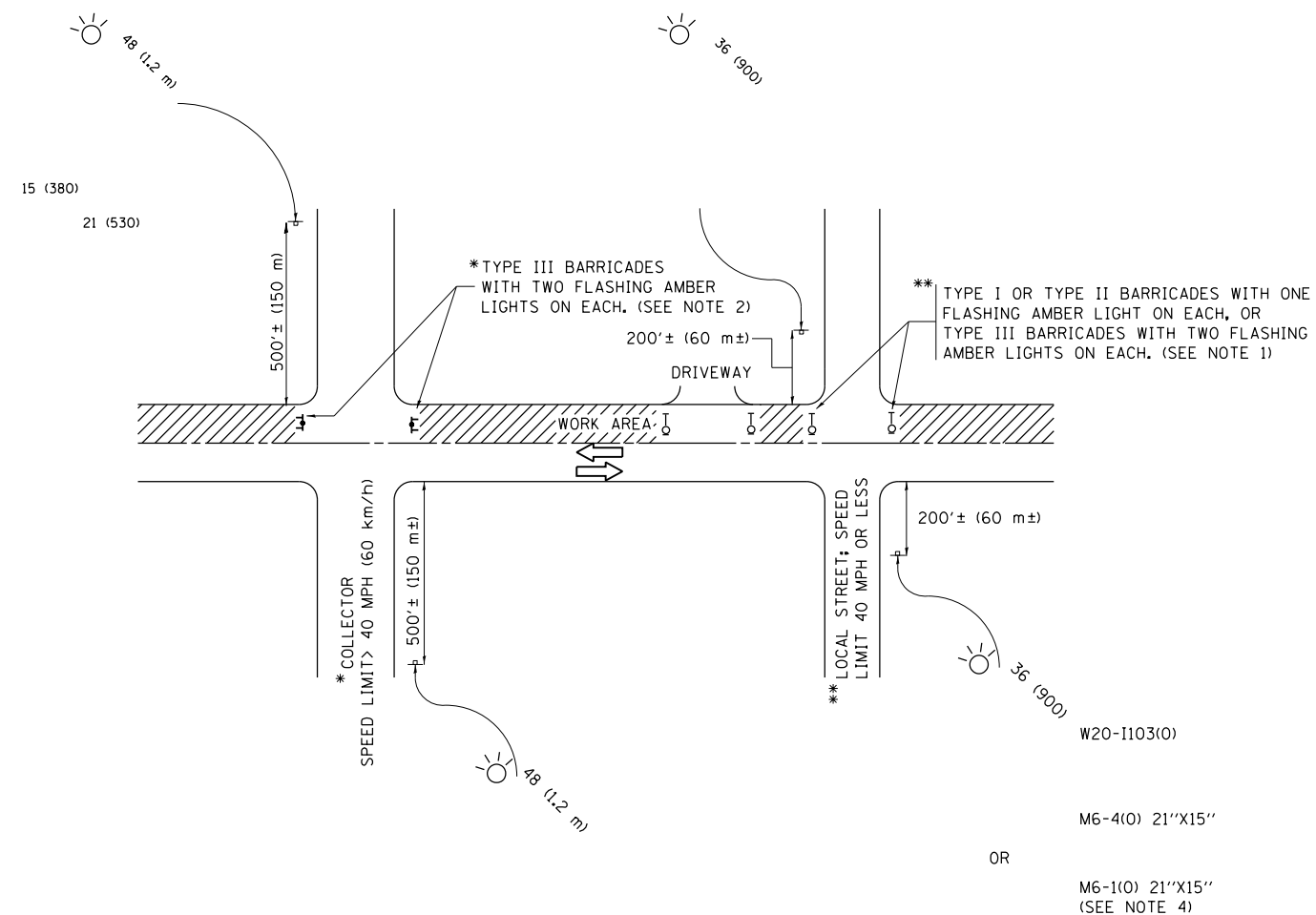
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

FILE NAME =	USER NAME = bartonr	DESIGNED - R. BORO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI025\BROWNS\Browns\Design\DistStd.dgn		CHECKED -	REVISED -					525	12RS&T-12	MCHENRY	31	24
PLOT SCALE = 100.0000' / 1" =		DATE - 08-06-2012	REVISED -		BD 55			CONTRACT NO. 60Y81				
PLOT DATE = 3/23/2017					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



NOTES:

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

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

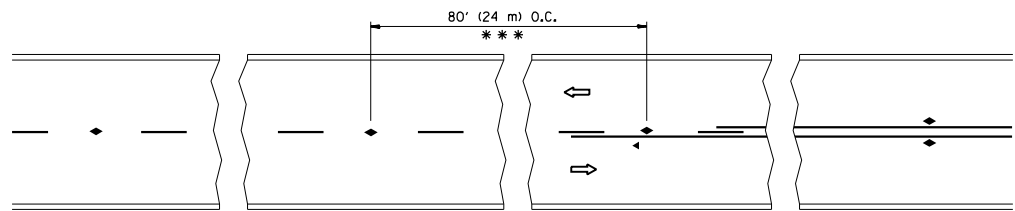
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	PLOT DATE = 3/23/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

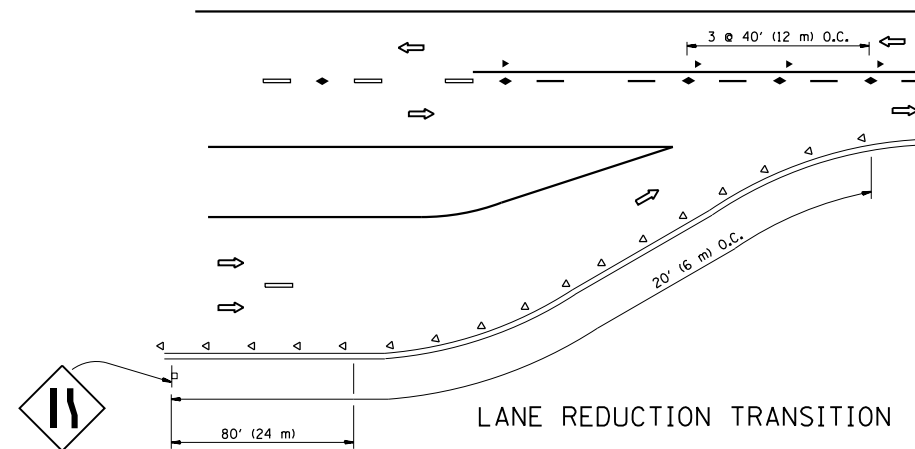
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	25
TC-10			CONTRACT NO. 60Y81	
ILLINOIS FED. AID PROJECT				

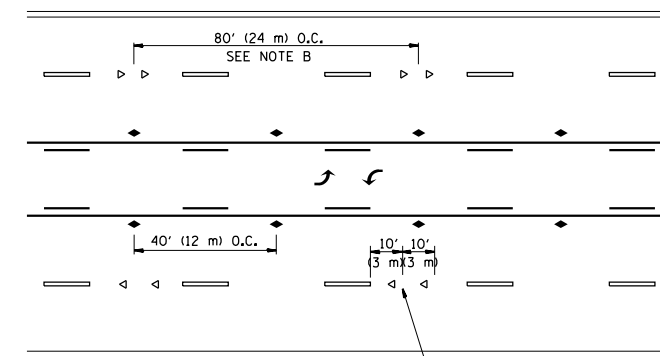


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

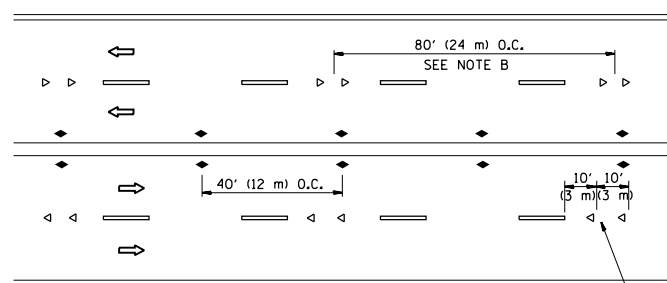
TWO-LANE/TWO-WAY



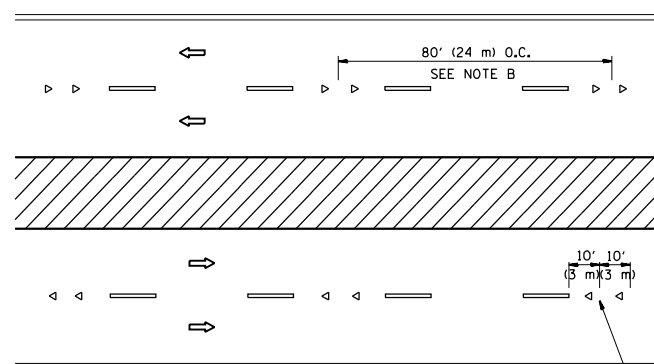
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

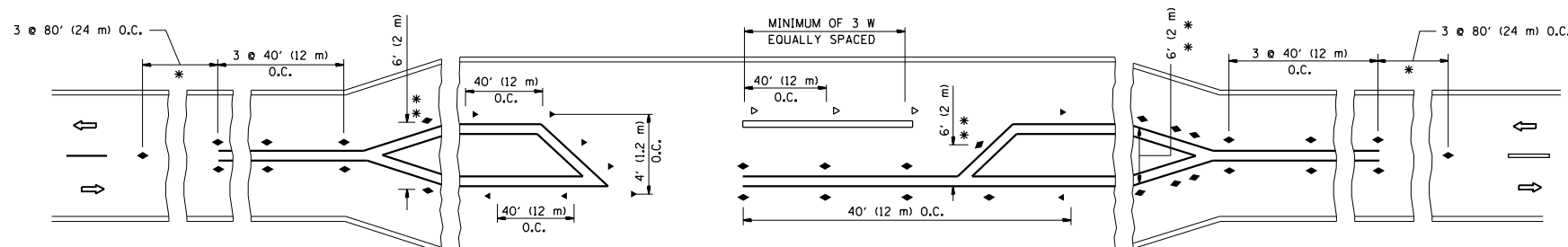
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

LEFT TURN

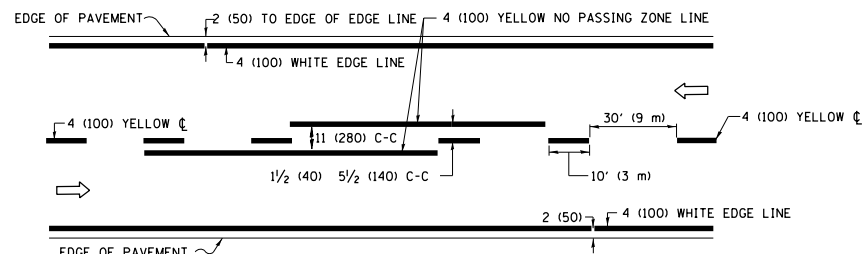
All dimensions are in inches (millimeters) unless otherwise shown.

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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

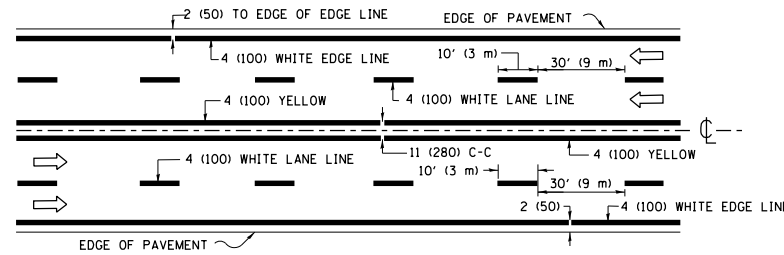
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

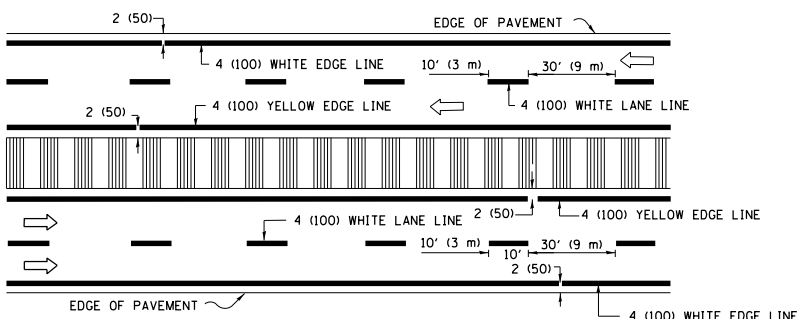
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	26
TC-11		CONTRACT NO. 60Y81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

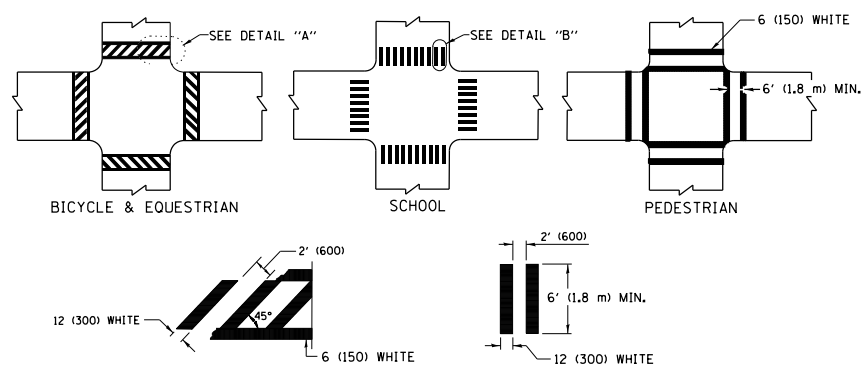


MULTI-LANE UNDIVIDED



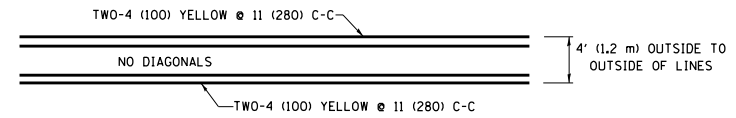
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

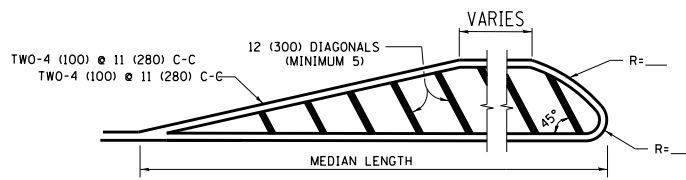


TYPICAL CROSSWALK MARKING

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

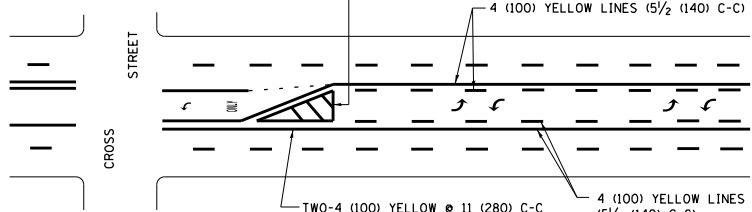


4' (1.2 m) WIDE MEDIANS ONLY

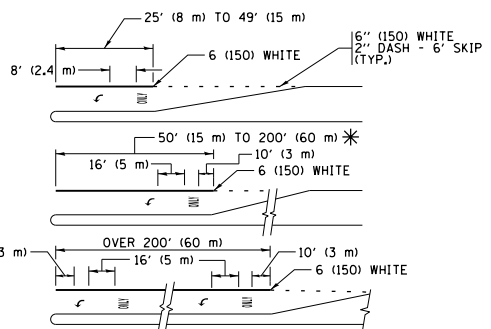


MEDIANS OVER 4' (1.2 m) WIDE

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

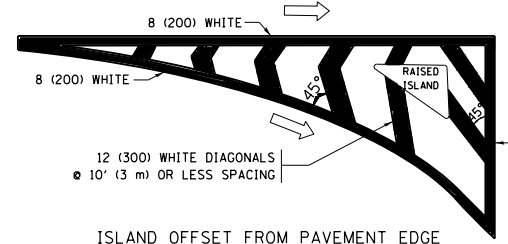


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

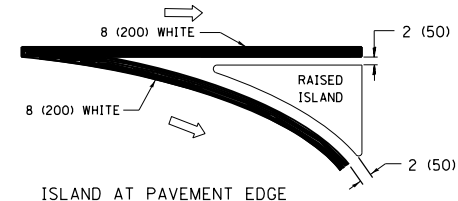


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

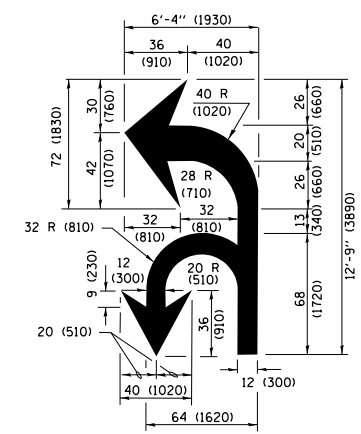
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



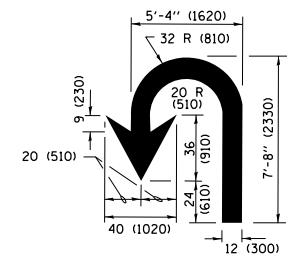
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

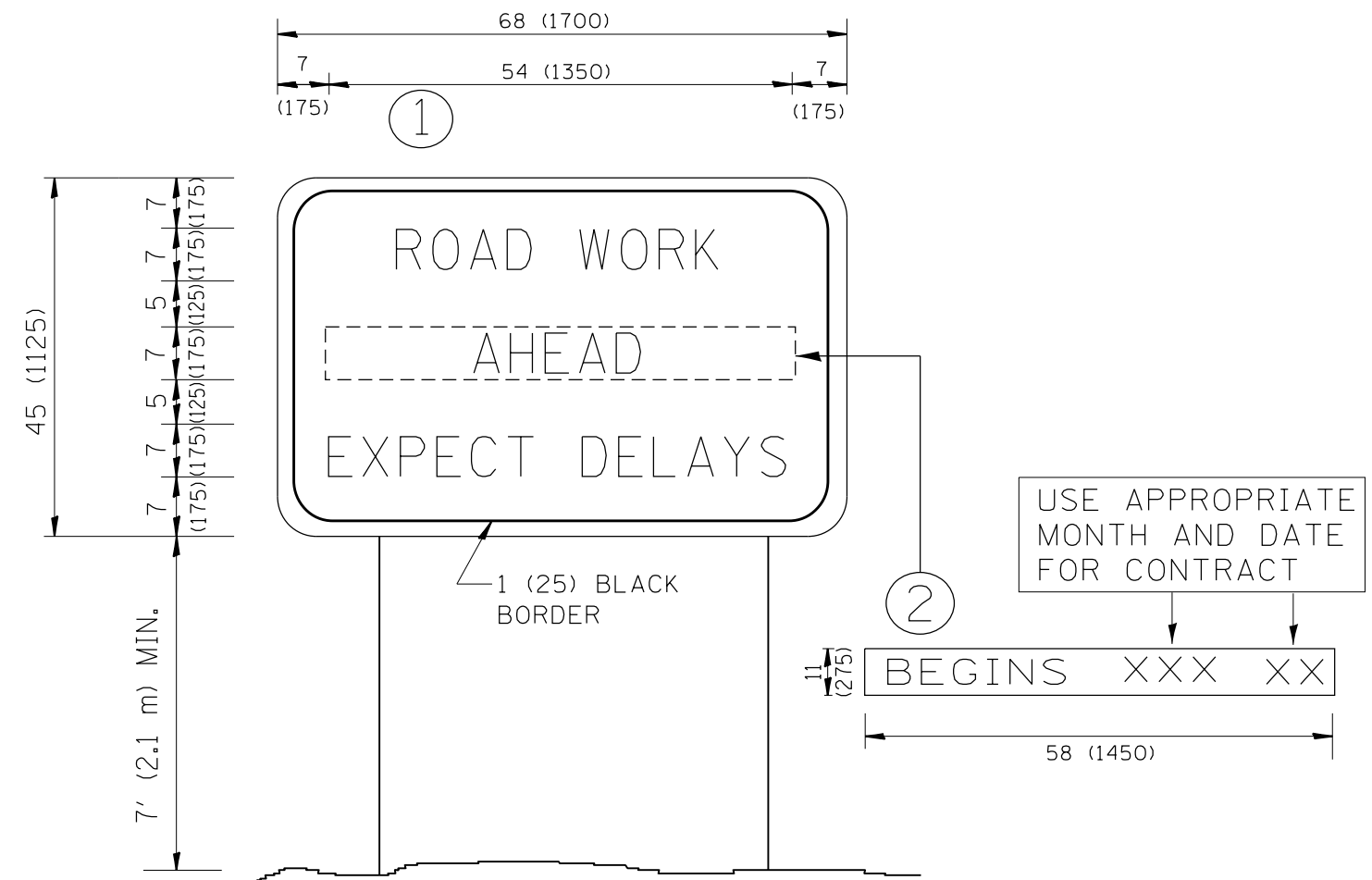
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bartonw	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 3/23/2017		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	27
TC-13		CONTRACT NO. 60Y81		
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 =	USER NAME = bartonw	DESIGNED -	REVISED - R. MIRS 09-15-97
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		PLOT SCALE = 100.0000' / 1in.	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

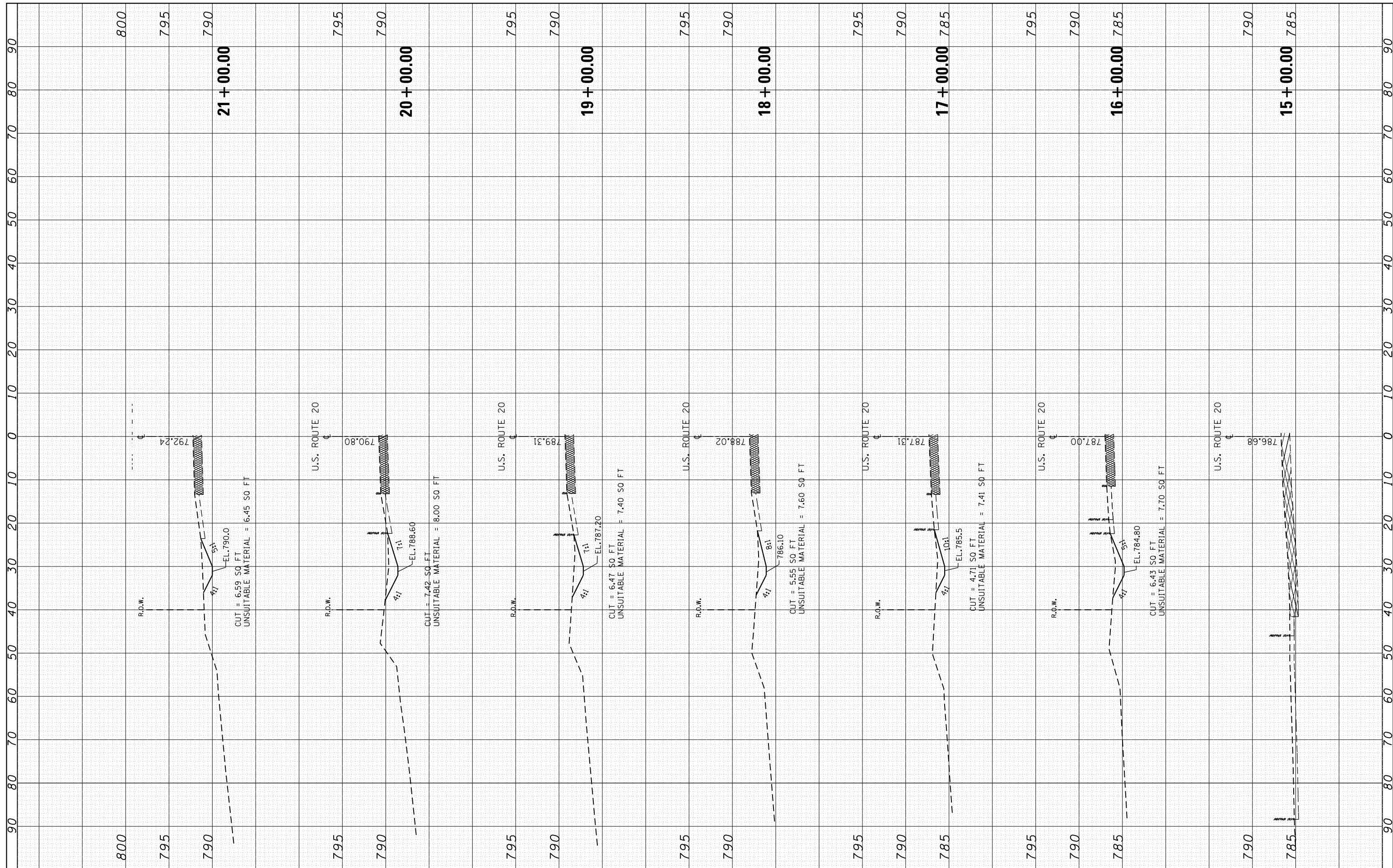
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12R5&T-12	MCHENRY	31	28
TC-22		CONTRACT NO. 60Y81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME =
 USER NAME = bartonrw
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/23/2017

DESIGNED - RWB
 CHECKED -
 DATE - 12/16/2016

REVISED -
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 REVISED -

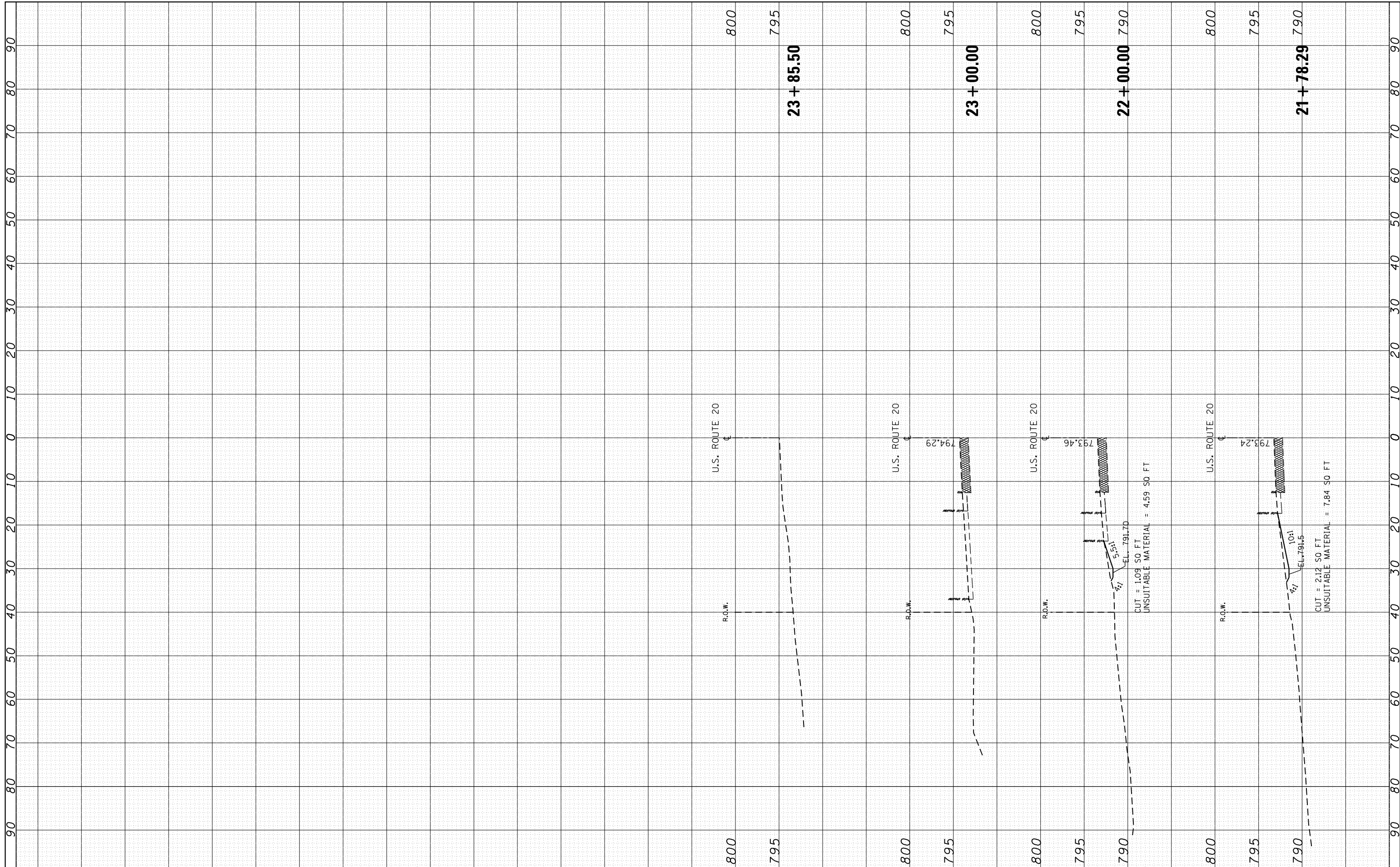
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
 CROSS SECTIONS**
 SCALE: SHEET 1 OF 3 SHEETS STA. 15+00.00 TO STA. 21+00.00

F.A.P. RTE. 525	SECTION 12RS&T-12	COUNTY MCHENRY	TOTAL SHEETS 31	SHEET NO. 29
CONTRACT NO. 60Y81				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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Default	PLOT DATE = 3/23/2017	DATE - 12/16/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

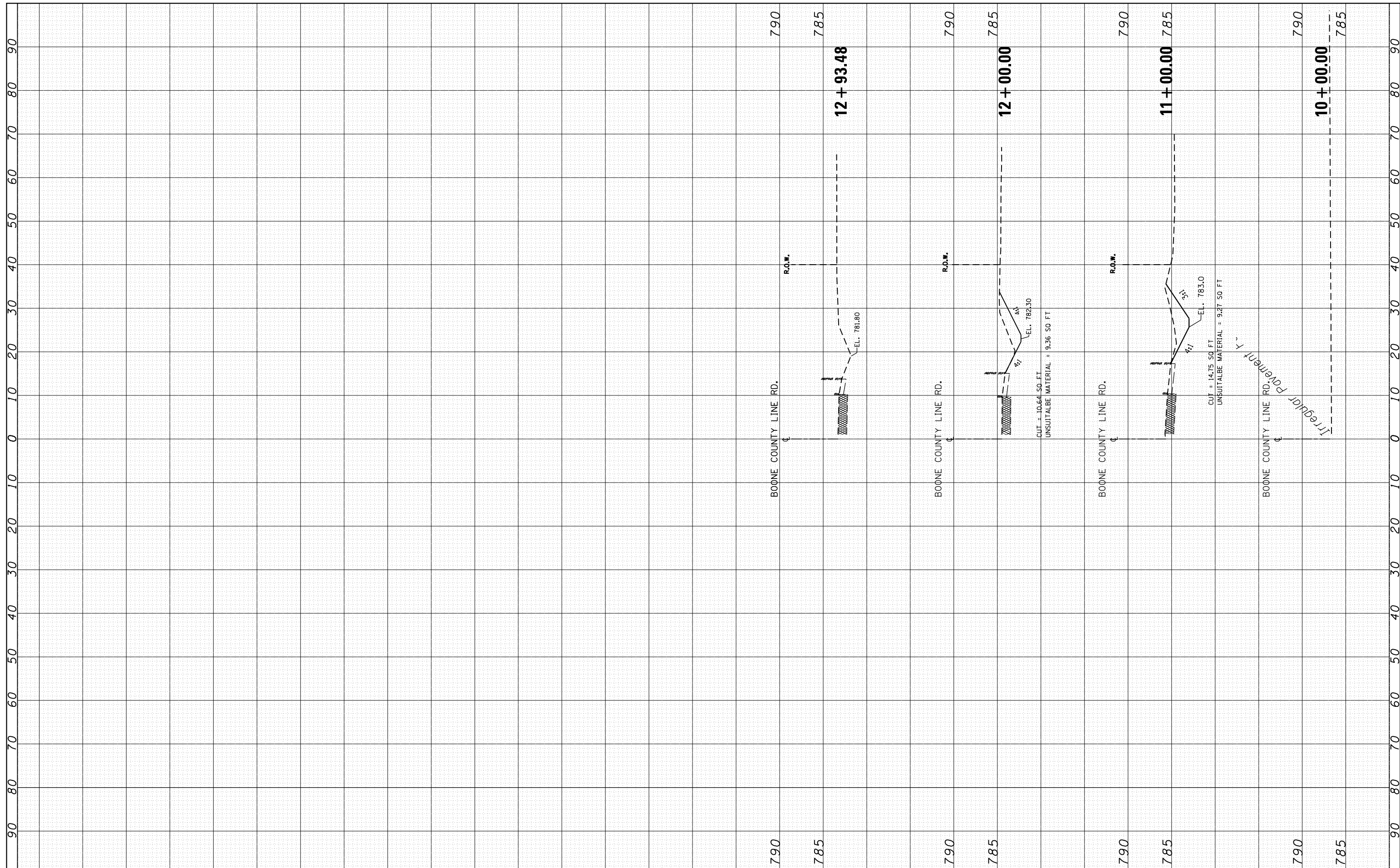
**US 20 FROM COUNTY LINE ROAD TO WEST STREET
CROSS SECTIONS**

SCALE: SHEET 2 OF 3 SHEETS STA. 21+78.29 TO STA. 23+85.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	12RS&T-12	MCHENRY	31	30
CONTRACT NO. 60Y81			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		



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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2017	DATE - 12/16/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20 FROM COUNTY LINE ROAD TO WEST STREET
TYPICAL SECTIONS**

SCALE: SHEET 3 OF 3 SHEETS STA. 10+00.00 TO STA. 12+93.48

F.A.P. RTE. 525	SECTION 12RS&T-12	COUNTY MCHENRY	TOTAL SHEETS 31	SHEET NO. 31
CONTRACT NO. 60Y81				ILLINOIS FED. AID PROJECT