

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNAL	LIGHTING	SEWER		
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE		
Code No.	Item	Unit	Total Quantity	0005	0021	0021	0043			
20200100	EARTH EXCAVATION	CU YD	3065	3065	1					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	5644	5644						
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	10	10						
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	104	104						
35600717	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"	SQ YD	5644	5644						
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	12699	12699						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	25657	25657						
40600370	LONGITUDINAL JOINT SEALANT	FOOT	33037	33037						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	82	82						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	240.8	240.8						
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	9	9						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	5036	5036						
42001300	PROTECTIVE COAT	SQ YD	58	58						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	515	515						
42400800	DETECTABLE WARNINGS	SQ FT	42	42						
44000100	PAVEMENT REMOVAL	SQ YD	1915	1915						
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	54193	54193						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	114	114						
44000600	SIDEWALK REMOVAL	SQ FT	515	515						
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	1000	1000						
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	700	700						
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	350	350						

* = SPECIALTY ITEM

USER NAME = connor.mullane

DESIGNED -

REVISD -

DRAWN -

CHECKED -

DATE = 10/17/2024

REVISD -

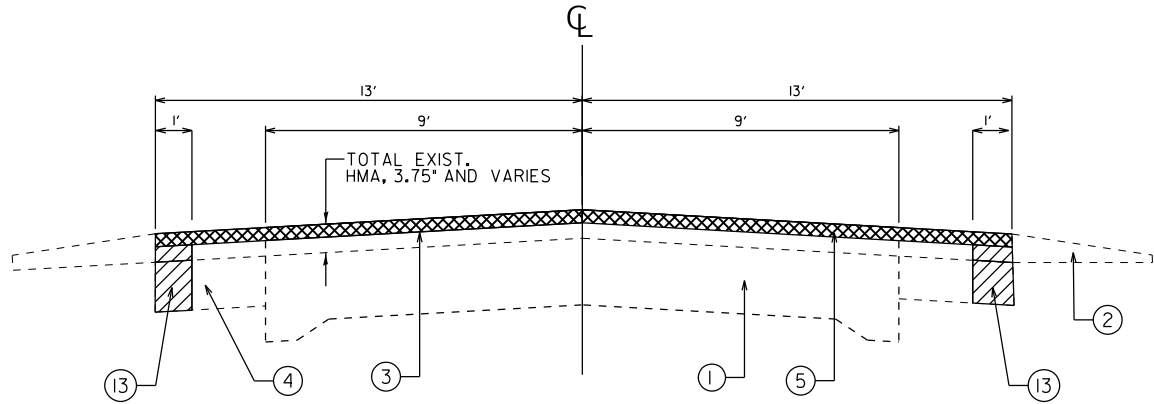
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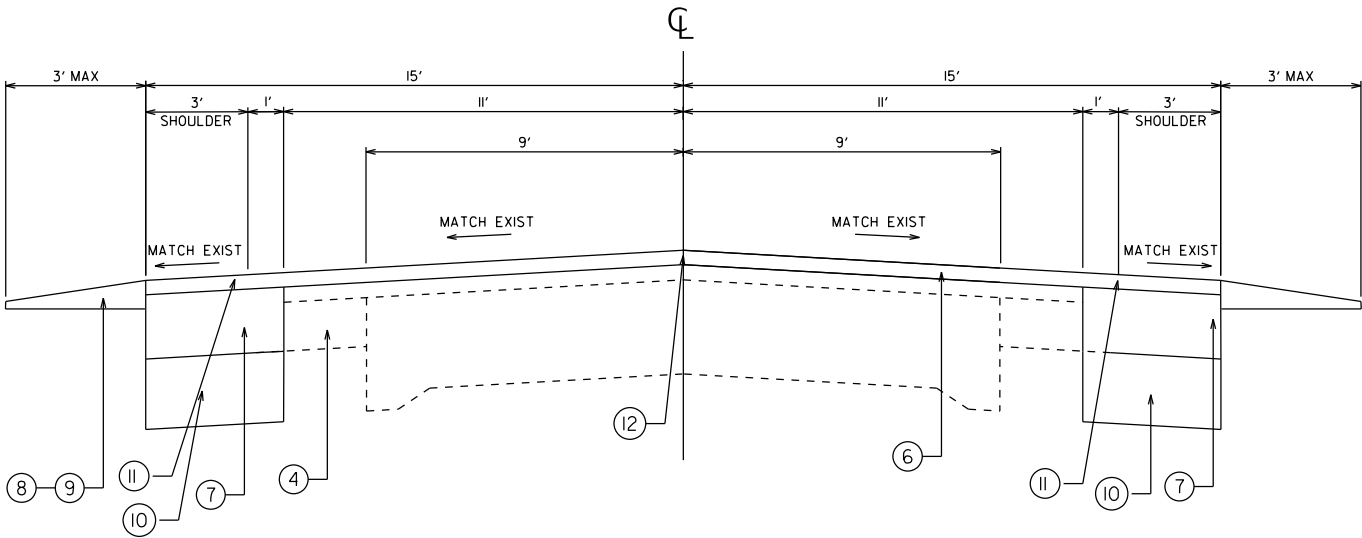
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					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNAL	LIGHTING	SEWER		
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% STATE		
Code No.	Item	Unit	Total Quantity	0005	0021	0021	0043			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	992	992						
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	28748	28748						
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3062	3062						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4						
* 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	20	20						
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						
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1						
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4044	4044						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2022	2022						
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	44046	44046						
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	71	71						
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	62	62						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2022	2022						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	33609	33609						
* = SPECIALTY ITEM										
1 REVISED SHEET 1/3/2024										
SUMMARY OF QUANTITIES IL 173 (BOONE COUNTY LINE TO FLAT IRON RD)				F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
SCALE: SHEET 3 OF 2 SHEETS STA. TO STA.				303	FAP 0303 22 RS		MCHENRY	26	3	
				CONTRACT NO. 62R95						
				ILLINOIS FED. AID PROJECT						

MODEL: TYPICAL-NEW SHOULDER (Sheet)
FILE NAME: c:\p\work\wfd\connor.mullane\illinois.gov\0987243\0121422-shh-typical.dgn



EXISTING TYPICAL SECTION
FROM STA 22+11 TO STA 108+31

PROPOSED RUMBLE STRIP SECTIONS
FROM STA 22+11 TO STA 108+30
FROM STA 117+42 TO STA 120+88
FROM STA 122+40 TO STA 130+20
FROM STA 132+66 TO STA 137+80
FROM STA 163+00 TO STA 205+31



PROPOSED TYPICAL SECTION
FROM STA 22+11 TO STA 108+31

LEGEND

- ① EXISTING PCC BASE COURSE: 9"
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HMA PAVEMENT
- ④ EXISTING WIDENING
- ⑤ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑥ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- ⑦ PROPOSED HMA BASE COURSE WIDENING, 10.25"
- ⑧ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑨ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑩ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑪ PROPOSED SHOULDER RUMBLE STRIP 8"
- ⑫ PROPOSED CENTERLINE RUMBLE STRIP 16"
- ⑬ PROPOSED PAVEMENT REMOVAL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
MIXTURE USES		MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"	4.0% @ 70 GYR	QCP
PATCHING		CLASS D PATCHES (HMA BINDER IL-19.0)	4.0% @ 70 GYR	QC/QA
HMA SHOULDER WIDENING		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"	4.0% @ 50 GYR 4.0% @ 70 GYR	QCP
		HOT MIX ASPHALT BASE COURSE WIDENING, 10 1/4" (HMA BINDER IL-19.0)	4.0% @ 70 GYR	QC/QA
DRIVEWAY	BASE	HOT MIX ASPHALT BASE COURSE 6" AND 8" (HMA BINDER IL-19.0)	4.0% @ 50 GYR	QC/QA
	SURFACE	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4.0% @ 50 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)				

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- NOTE 3: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.
- NOTE 4: THE CONTRACTOR SHALL MILL FIRST THEN PATCH.
- NOTE 5: PROPOSED 4' BASE COURSE WIDENING CUTS INTO EXISTING PAVEMENT 1' CREATING A 3' SHOULDER (TO BE PAID FOR BY PAVEMENT REMOVAL).

REVISD SHEET 1/3/2024

	USER NAME = connor.mullane	DESIGNED -	REVISED - CM 12/23/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS IL 173 (BOONE COUNTY LINE TO FLAT IRON RD)	SCALE:	SHEET OF 2 SHEETS	STA. TO STA.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						303	FAP 0303 22 RS	MCHENRY	26	5
		CHECKED -	REVISED -						CONTRACT NO. 62R95				
	PLOT DATE = 10/17/2024	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				