

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
20200100	EARTH EXCAVATION	CU YD	240	240				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	478	478				
25200110	SODDING, SALT TOLERANT	SO YD	478	478				
25200200	SUPPLEMENTAL WATERING	UNIT	4.8	4.8				
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	20	20				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37244	37244				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	30490	30490				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	83	83				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1257	1257				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	648	648				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2276	2276				
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	110	110				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	5408	5408				
42001300	PROTECTIVE COAT	SO YD	5286	5286				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	565	565				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	18230	18230				
42400800	DETECTABLE WARNINGS	SO FT	1416	1416				
44000100	PAVEMENT REMOVAL	SO YD	966	966				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	52746	52746				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	565	565				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3644	3644				
44000600	SIDEWALK REMOVAL	SO FT	18334	18334				
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SO YD	2892	2892				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	1365	1365				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	559	559				

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)  
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	4
CONTRACT NO. 62N99				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

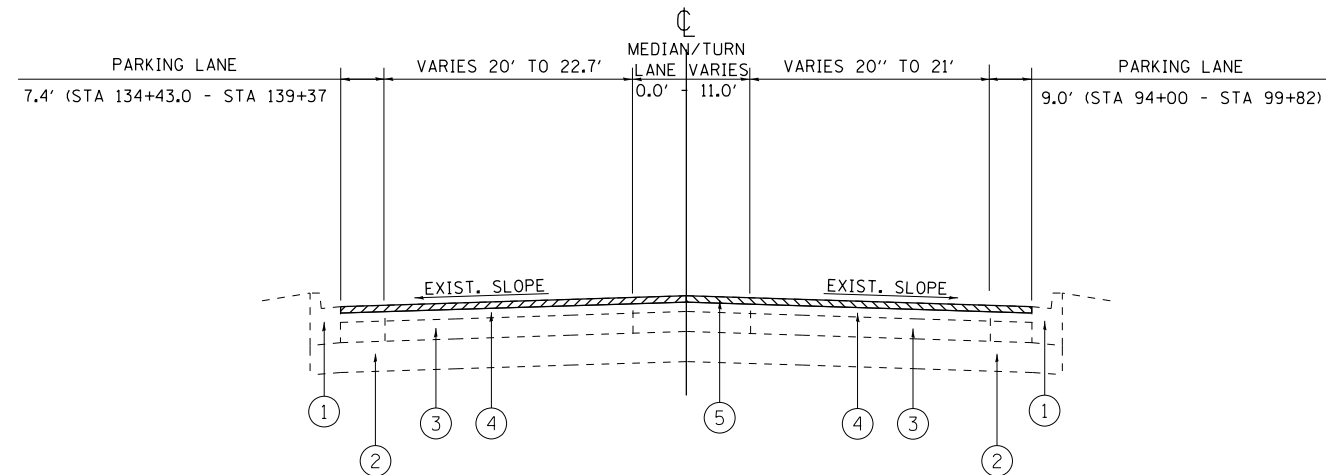
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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE 0005	100% STATE 0005					CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	80% FED 20% STATE 0005	100% STATE 0005				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	19593	19593						* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3481	3481					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	655	655						* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2911	2911					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	24456	24456						* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	919	919					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	3481	3481						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	746	746					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	2911	2911						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	630	630					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	919	919						78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	429	429					
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	6444	6444						* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1553	1553					
* 72000100	SIGN PANEL - TYPE 1	SO FT	33	33						* 89502376	REBUILD EXISTING HANDHOLE	EACH	11	11					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	51	51						X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	655	655						X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	5500	5500					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24456	24456						X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	1.5	1.5					
										X4400501	COMBINATION CONCRETE CURB AND GUTTER REMOVAL OR REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	200	200					
										X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	2429	2429					
	* SPECIALTY ITEMS																		



REVISION SHEET 4/11/2022

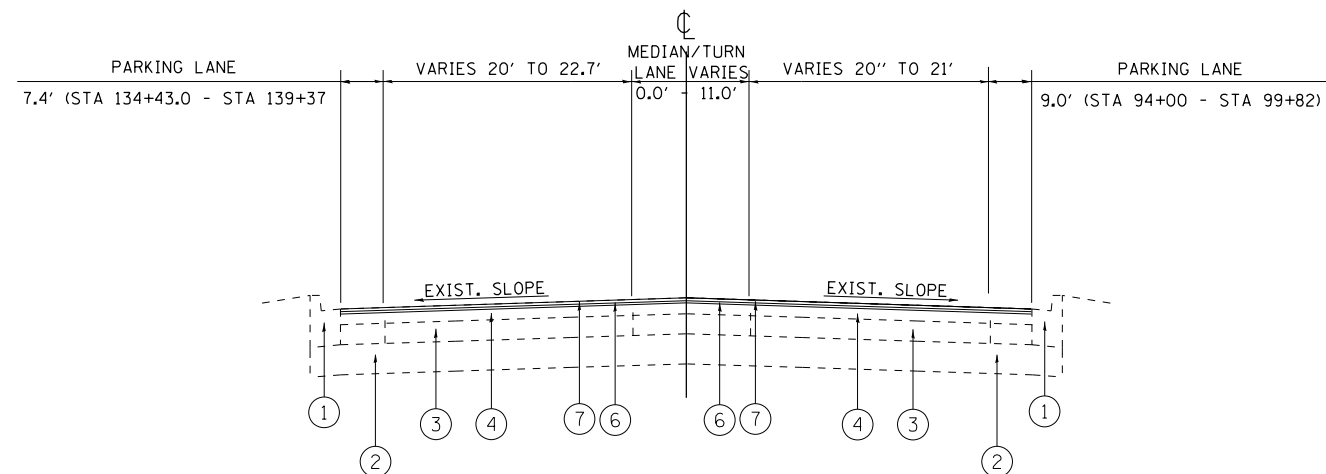




**GRAND AVENUE  
EXISTING TYPICAL SECTION**

STA. 14+57.82 TO STA. 29+35.00  
 \* STA 33+28.77 TO STA 103+94.60  
 STA 123+67.37 TO STA 141+58.79

\* SEE NEXT TYPICAL SECTIONS SHEET FOR THE DETAILS AND LOCATIONS OF THE VARIABLE MILL AT THE EDGE AND HMA WHICH IS INCLUDED WITHIN THESE STATIONS



**GRAND AVENUE  
PROPOSED TYPICAL SECTION**

STA. 14+57.82 TO STA. 29+35.00  
 \* STA 33+28.77 TO STA 103+94.60  
 STA 123+67.37 TO STA 141+58.79

**LEGEND:**

- ① EXISTING COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ② EXISTING AGGREGATE BASE COURSE
- ③ EXISTING PCC PAVEMENT, ± 10"
- ④ EXISTING HMA PAVEMENT, ± 4" (BEFORE SURFACE REMOVAL)
- ⑤ PROPOSED HMA SURFACE REMOVAL, 2 1/2 "
- ⑥ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
- ⑧ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ⑨ COMBINATION CURB AND GUTTER REMOVAL
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

**NOTES:**

- 1. THE CONTRACTOR SHALL PATCH BEFORE MILLING
- 2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70	4.0% @ 70 GYR.	QCP
	POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR.	QCP
PATCHING	CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/OA
	HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/OA
HMA ADJACENT TO THE PROP. ADA SIDEWALK AND BEHIND THE CURB ON THE MAINLINE (VARIOUS LOCATIONS TO BE DETERMINED BY THE RE AS NEEDED)	HMA SURFACE COURSE, MIX "D", IL-9.5, N50	4.0% @ 50 GYR.	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); 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.

REVISOR'S MARK: REVISED SHEET 4/11/2022

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS  
GRAND AVE (ELM ST TO E/O 77TH CT AND 74TH CT TO IL 43)**

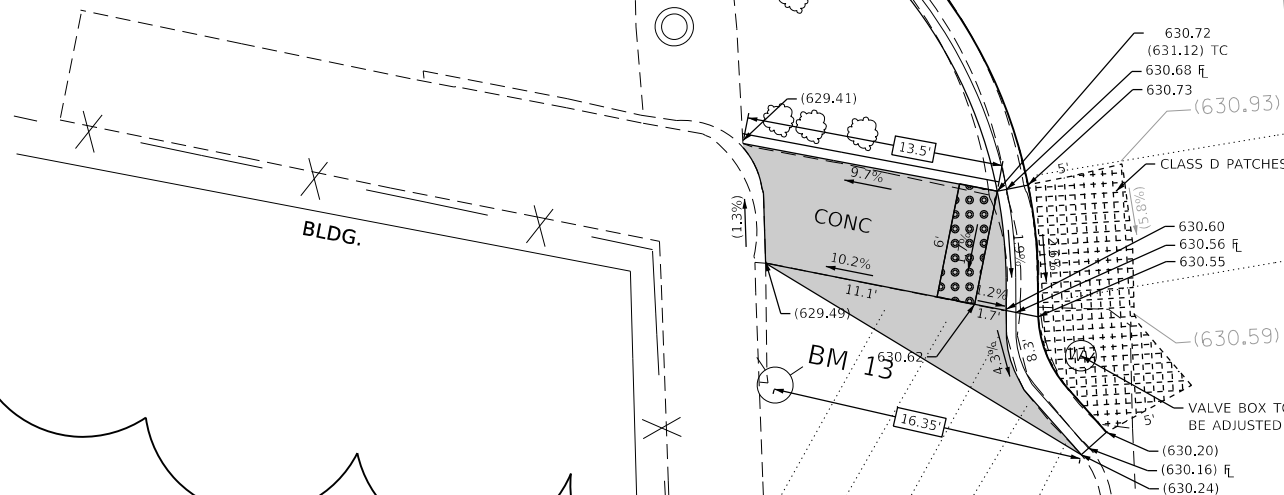
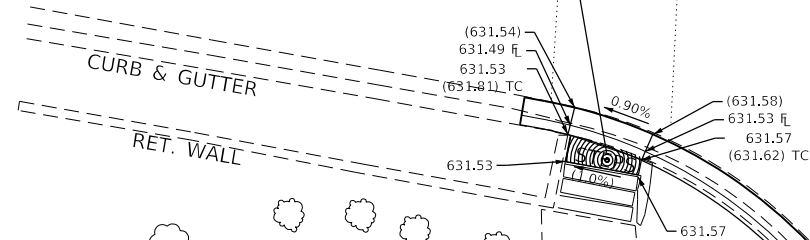
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	8
CONTRACT NO. 62N99				
ILLINOIS		FED. AID PROJECT		

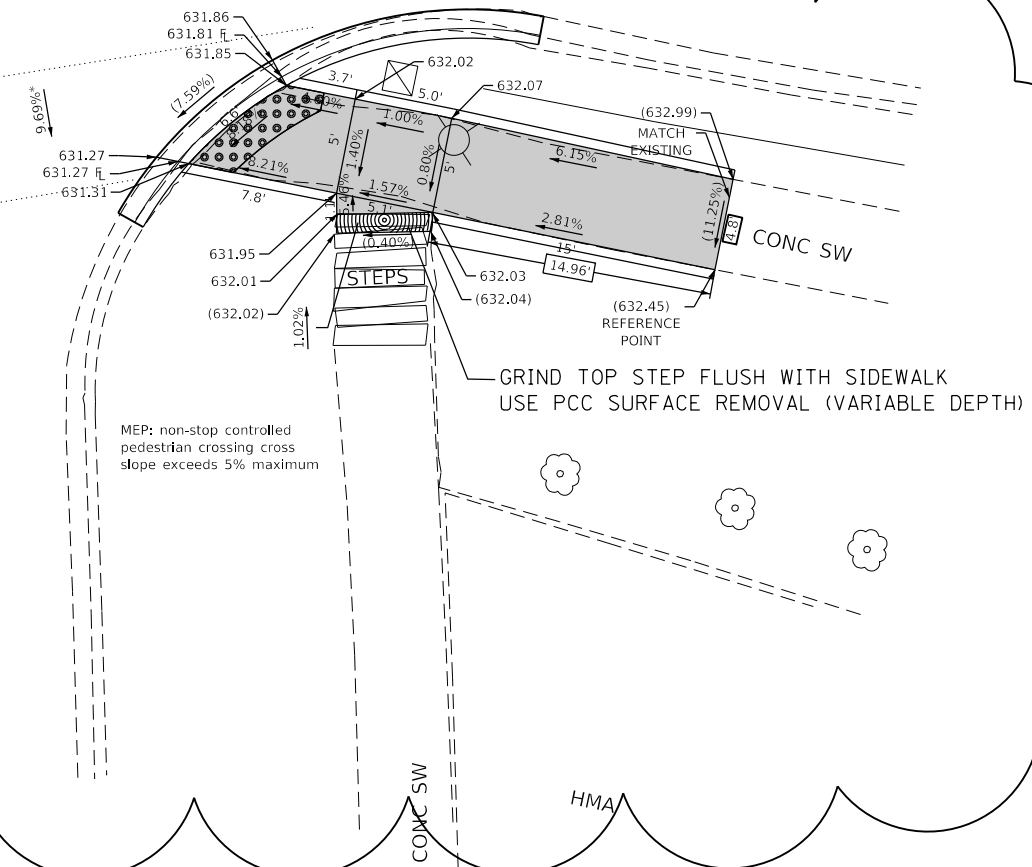
GRAND AVE.



GRIND TOP STEP FLUSH WITH BACK OF DEPRESSED CURB  
USE PCC SURFACE REMOVAL (VARIABLE DEPTH)



N 77th CT.



MEP: non-stop controlled pedestrian crossing cross slope exceeds 5% maximum

NOTE: THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING AROUND EXISTING LANDSCAPE. ANY DAMAGE DONE TO EXISTING LANDSCAPE BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

REFERENCE BENCHMARK ELEV 631.460  
BENCHMARK : TOP OF THE FIRE HYDRANT  
LOCATION : S WEST CORNER OF GRAND AVE AND 77TH CT

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

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	DRAWN -	REVISED -	
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN**  
GRAND AVE (ELM ST TO EO 77TH CT AND 74TH CT TO IL 43)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	2021-083-R5&SW	COOK	79	54
CONTRACT NO. 62N99				
ILLINOIS FED. AID PROJECT				

1 REVISED SHEET 4/11/2022