REVISED ADDENDUM A 10/13/2021 JSER NAME = mornig DESIGNED - DJS BAXTER WOODMAN Consulting Engineers DRAWN - KAR REVISED -LOT SCALE = 80.0000 / in. CHECKED - AKS REVISED FILE - 181171 ss2-sht-SOQ.dgn

F.A.P. RTE. COUNTY SHEETS NO.

McHENRY 121 9 SECTION **SUMMARY OF QUANTITIES** 15-00124-00-PV CONTRACT NO. 61H27 SCALE: NONE SHEET 6 OF 9 SHEETS STA.

MAIN STREET

100% CITY

WATER MAIN

0043 URBAN ROUTE 176

100% CITY LIGHTING/SIGNALS 0021

URBAN

						CONSTRUCTION C	CODE									CONSTRUCTION	CODE
				ROUTE 176 80% FED 10% STATE	MAIN STREET 80% FED 10% STATE	ROUTE 176	MAIN STREET	ROUTE 176						ROUTE 176 80% FED 10% STATE	MAIN STREET 80% FED 10% STATE	ROUTE 176	MAIN
	T	1	1	10% CITY	10% CITY	100% CITY	100% CITY	100% CITY	Г			1	T	10% CITY ROADWAY	10% CITY ROADWAY	100% CITY WATER MAIN	10 WA
CODE	ITEM	UNIT	TOTAL	ROADWAY 0004	ROADWAY 0004	WATER MAIN 0043	WATER MAIN	LIGHTING/SIGNALS		CODE	ITEM	UNIT	TOTAL	0004	0004	0043	VVA
NO.	TIEM	Olvii	QUANTITY	URBAN	URBAN	URBAN	0043 URBAN	0021 URBAN		NO.			QUANTITY	URBAN	URBAN	URBAN	ı
					ONDAN	ONDAN	ONDAN	ONDAN	*	99030030	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	4			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1,091	1,091						00030020	SIGNAL HEAD, EED, THACE, STEETING, MASHARM MOUNTED	EACH		-			_
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,153	1,153					*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4			+
0,301233	ELECTRIC CASE IN CONSON, SOLVE, NO. 2770	1001	1,123	1,133													-
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,230	2,230					*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	91	91					*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	6			
											PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED						
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,086	1,086					,		WITH COUNTDOWN TIMER	EACH		4	******		—
									()		TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10	10			
									*		INDUCTIVE LOOP DETECTOR	EACH			\sim		\sim
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	3						00300100	INDUCTIVE LOOP DETECTOR	EACH		,			_
									}								
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	1					*	88600100	DETECTOR LOOP, TYPE I	FOOT	305	305			
																	_
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	1					•	88700200	LIGHT DETECTOR	EACH	2				_
									ŀ								+
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1					*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				
																	_
* 87702400	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 32 FT.	EACH	1	1					*	88800100	PEDESTRIAN PUSH BUTTON	EACH	4	4			
									-								
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16					*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	538	538			+
											TREE, AESCULUS X CARNE BRIOTTI (BRIOTTI HORSECHESTNUT	,					_
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4						A2012001	2" CALIPER, BALLED AND BURLAPPED	, EACH	2	2			+
										P2000121	TREE, ACER TATARICUM (TATARIAN MAPLE), 2" CALIPER, TREE	EACH	4	4			_
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27	27						82000121	FORM, BALLED AND BURLAPPED	EACH	4	4			_
									}	P2006216	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2"	EACH		3			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28	28						DZUU0216	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2° CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	2			_
										KUU36130	MULCH PLACEMENT 4"	SQ YD	37	11	26		_
* 87900200	DRILL EXISTING HANDHOLE	EACH	1	1						KUU3012U	MODELL FOREMENT 4	JQ TD	37	11	20		
* INDICATES S	SPECIALTY ITEM								*	INDICATES S	PECIALTY ITEM						
	CONSTRUCTION CODE 0042 TRAINEES								\$	INDICATES C	ONSTRUCTION CODE 0042 TRAINEES						

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING LEGEND

EXISTING PAVEMENT (5" TO 6" HMA OVER 5" TO 9" CONCRETE)

COMBINATION CONCRETE CURB AND GUTTER. TYPE B-6.24

(D) COMBINATION CONCRETE CURB AND GUTTER. TYPE B-6.12

EXISTING PAVEMENT (9" HMA)

EXISTING AGGREGATE BASE

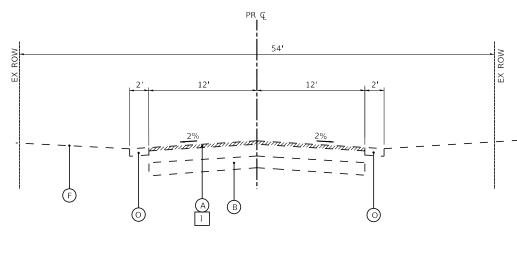
DEPRESSED CURB AND GUTTER

CONCRETE SIDEWALK

EXISTING GROUND

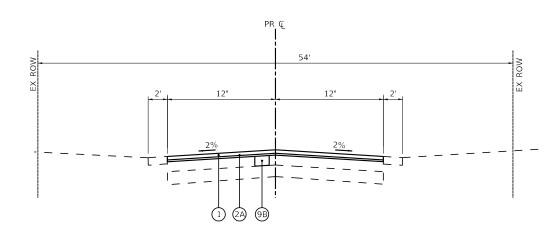
BRICK PAVERS

BAXTER WOODMAN



EXISTING TYPICAL SECTION

MAIN STREET IL 176 TO PROJECT LIMITS STA 30+55 TO STA 31+20



PROPOSED TYPICAL SECTION

MAIN STREET IL 176 TO PROJECT LIMITS STA 30+55 TO STA 31+20

SIDEWALK REMOVAL

PAVEMENT REMOVAL

REMOVE BRICK PAVER

ITEM TO BE REMOVED

AGGREGATE WEDGE SHOULDERS

NOT USED

(o)

DESIGNED - DJS

DRAWN - KAR

CHECKED - AKS

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

COMBINATION CURB AND GUTTER REMOVAL

REVISED

REVISED

REVISED ADDENDUM A 10/13/202

FILE - 181171 ss2-sht-TypSec.dgr

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

CONTRACTOR SHALL MILL BEFORE PATCHING

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING - IL ROUTE 176 (TERRA COTTA AVENUE)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80: 1-3/4"	3.5% @80 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 3/4"	3.5% @50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: VARIABLE DEPTH (2 1/4" MIN.)	4% @70 GYR.
PAVEMENT RESURFACING - MAIN STREET	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70: 1-1/2"	4% @70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 3/4"	3.5% @50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL 9.5, N70: VARIABLE DEPTH (1 1/2" TO 2 1/4")	4% @70 GYR.
PAVEMENT WIDENING - IL ROUTE 176 (TERRA COTTA AVENUE)	<u> </u>
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80: 1-3/4"	3.5% @80 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 3/4"	3.5% @50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 10 1/4" (FOR WIDENING >6')	4% @70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19.0), 10 1/4" (FOR WIDENING ≤6')	4% @70 GYR.
PAVEMENT WIDENING- MAIN STREET	-
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70: 1-1/2"	4% @70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 3/4"	3.5% @50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8 1/2" (FOR WIDENING >6')	4% @70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19.0), 8 1/2" (FOR WIDENING <6')	4% @70 GYR.
HMA DRIVEWAY PAVEMENT 8" PE (10" CE)	•
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm): 1-1/2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 50 Gyr.
PATCHING- IL ROUTE 176 (TERRA COTTA AVENUE)	
CLASS D PATCHES (HMA BINDER IL-19 mm) - 12"	4% @ 70 Gyr.
PATCHING- MAIN STREET	
CLASS D PATCHES (HMA BINDER IL-19 mm) - 10"	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE. IL-19.0. N70: 4"	4% @ 70 Gyr.

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" UNLESS MODIFIED BY SPECIAL PROVISIONS.

THE "AC TYPE" FOR NON-POLYMERIZED HMA SHALL BE "PG 64-22" (OH UNLESS MODIFIED BY SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

* *AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

PROPOSED LEGEND

1	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 - 1 1/2"
2A	POYLMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"
2B)	HOT MIX ASPHALT BINDER COURSE, IL-9.5, N70 - VARIABLE DEPTH (1 1/2" - 2 1/4")
βA	HOT-MIX ASPHALT BASE COURSE - 10 1/4" (FOR WIDENING >6')
ЗВ	HOT-MIX ASPHALT BASE COURSE WIDENING - 10 1/4" (FOR WIDENING \leq 6')
<u>3C</u>	HOT-MIX ASPHALT BASE COURSE - 8 1/2" (FOR WIDENING >6')
3D	HOT-MIX ASPHALT BASE COURSE WIDENING - 8 1/2" (FOR WIDENING \leq 6')
Œ.	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - VARIABLE DEPTH (2 1/4" MIN)
4	AGGREGATE SUBGRADE IMPROVEMENT - 12"
(5A)	COMBINATION CONCRETE CURB AND GUTTER. TYPE B-6.12
(5B)	COMBINATION CONCRETE CURB AND GUTTER. TYPE B-6.24

6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER)
7	TOPSOIL EXCAVATION AND PLACEMENT (6" DEPTH) SODDING, SALT TOLERANT

(8)	PORTLAND	CEMENT	CONCRETE	SIDEWALK	5" (8"	ΑТ	DRIVEWAYS)	
$\overline{}$								

\odot	TORTEAND CEMENT CONCRETE SIDEWALK 5 (6 AT DIREWALS
9 A)	CLASS D PATCHES 12" (AS DETERMINED BY THE ENGINEER)
(P)	CLASS D DATCHES 10" (AS DETERMINED BY THE ENGINEED)

(10)	DEPRESSED	CURB	AND	GUTTER	3

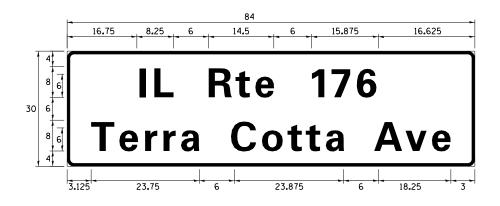
_				
(11)	AGGREGATE	SUBGRADE	IMPROVEMENT	**

\smile				
12)	REINSTALL	BRICK	PAVER	

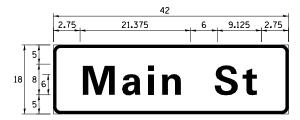
13	AGGREGATE	BASE	COURSE,	TYPE	В	4"

\sim							
(14)	PIPE	UNDER	DRAIN	TYPE	2 -	4"	

CTATE OF HAINOIC			T)/DI/			IONIO		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					335	15-00124-00-PV	McHENRY	121	18			
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 6	1H27	
	SCALE: NONE SHE	T 5	OF	5 SH	FFTS	STA	TO STA		ILLIMOIC CCD .	VID DROJECT		



1	DESIGN	DESIGN AREA		
	SERIES	(SQ FT)		
	D	17.50		



DESIGN	AREA
SERIES	(SQ FT)
D	5, 25

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MASTARM MOUNTED STREET NAME SIGN DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAI QTY.
INDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	793
JNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	70
JNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	271
IANDHOLE	EACH	4
EAVY DUTY HANDHOLE	EACH	2
OUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	3
PAINTNEW MASTARM AND POLE, UNDER 40 FOOT	EACH	3
RANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	607
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	856
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1,091
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1,153
ELECTRIC CABLE IN CONDUIT, LEAD-N, NO. 141 PAIR	FOOT	1,347
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	91
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,086
RAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MASTARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MASTARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
NDUCTIVE LOOP DETECTOR	EACH	5
ETECTOR LOOP, TYPE I	FOOT	305
JGHT DETECTOR	EACH	2
JGHT DETECTOR AMPLIFER	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	4
MERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	222
ED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
ULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
ASTER CONTROLLER (SPECIAL)	EACH	1
JNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PAINTNEW MASTARM ASSEMBLY AND POLE WITH DUAL MASTARMS, UNDER 40 FEET	EACH	1
LECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 143C, TYPE SOOW	FOOT	548

TS XXXX **ECON XX**

COUNTY

DESIGNED - SARAH MAGNUSON DRAWN - KATHLEEN ROBERSON REVISED CHECKED - BOB LENZINI REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES

BAXTER WOODMAN

REVISED ADDENDUM A 10/13/2021 FILE - 181171 ss2-sht-TS-Cable.dgn

IL RTE 176 (TERRA COTTA AVE) AND MAIN ST
SHEET OF SHEETS STA. TO

COUNTY SHEETS NO.

McHENRY 121 80 CONTRACT NO. 61H27

SECTION

15-00124-00-PV