03-08-2024 LETTING ITEM 148

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PROPOSED SAFE ROUTES TO SCHOOL VILLAGE OF LADD

SECTION 22-00023-00-SW PROJECT MW91(566) **BUREAU COUNTY** JOB NO. C-93-093-23

INDEX OF SHEETS

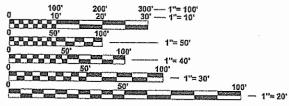
GENERAL NOTES AND DETAILS SUMMARY OF QUANTITIES SCHEDULE OF QUANTITIES PLAN SHEETS

HIGHWAY STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS STANDARD SYMBOLS, ABBREVIATIONS AND PATTER AREAS OF REMPORCHENT BARS DECIMAL OF AN INCH AND OF A FOOT PERPENDICULAR CURB RAMPS FOR SIDEWALKS CURBER PARALLEL CURB RAMPS FOR SIDEWALKS 424011~04 424021-06 DORRESSE CORNER FOR SDEWALKS

ENTRANCE/ALLEY FEDESTRIAN CROSSINGS

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER 424026-03 606001-08 OFF-ROAD CPERATIONS, 2L, 2W, MORE HAN 15 AWAY
OFF-ROAD CPERATIONS, 2L, 2W, MORE HAN 15 AWAY
OFF-ROAD CPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
BIDEWALK CORNER OR CROSSWALK CLOSURE
TRAFFIC CONTROL DEVICES
SION PANEL ROUTING DETAILS
SION PANEL ROUTING DETAILS
FLESCOBLES STELL SUPPORT 701001-02 701801~06 701901~09 729001~01 729006~04 TELESCOPING STEEL SIGN SUPPORT TRAFFIC SIGNAL GROUNDING AND BONDING CONCRETE FOUNDATION DETAILS



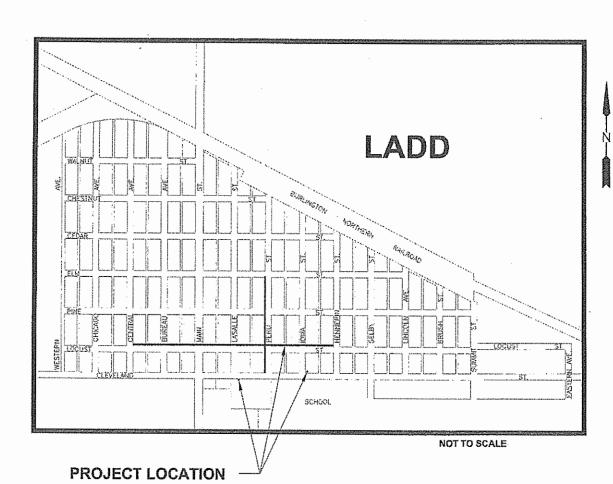
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

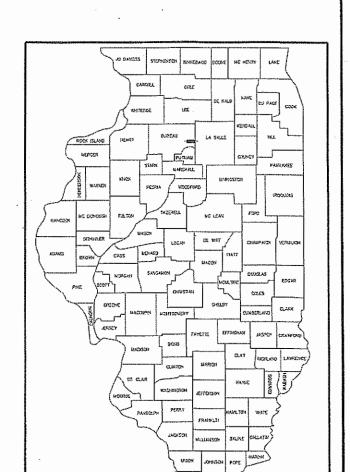
J.U.L.I.E.

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JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

CONTRACT NO. 87842





22-00023-00-SW BUREAU 10 1



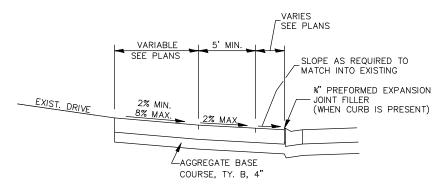
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION APPROVED DECEMBER Culture LOCAL PUBLIC AGENCY December 29, 20 23 DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS December 29, FOR BID BASED ON Immal Hermod SC LIMITED REGION 2 ENGINEER

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROFESSIONAL DESIGN FIRM

TYPICAL DEPRESSED ENTRANCE SECTION A-A



TYPICAL ELEVATED ENTRANCE SECTION A-A

GENERAL NOTES

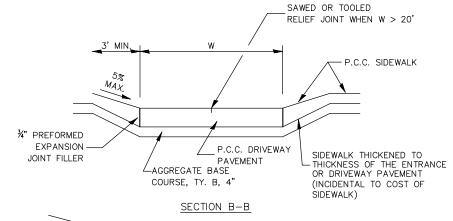
- LIMITS OF SIDEWALK REMOVAL IS GENERALLY INTENDED TO BE AT AN EXISTING JOINT IN THE SIDEWALK. A
 FULL DEPTH SAWCUT WILL BE REQUIRED AT ALL EDGES OF SIDEWALK OR PAVEMENT TO BE REMOVED
 THAT BORDERS OTHER SIDEWALKS OR PAVEMENTS.
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION, LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- 3. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS
- 4. DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARES) OR BLENDED TRAINIONS. SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. THE CONCRETE BORDER SHALL NOT EXCEED 2 INCHES.
- 5. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THE
- 6. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
- 7. THE COST OF GRADING AND COMPACTING SUBBASE FOR SIDEWALK OR DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SIDEWALK REMOVAL OR DRIVEWAY PAVEMENT REMOVAL.
- 8. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE LANDSCAPING, SPECIAL PAY ITEM.
- 9. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES: GRANULAR MATERIALS HMA RESURFACING 112 LBS/SQ YD/IN
- 10. THE COST OF EXCAVATING AND DISPOSING OF MATERIAL BELOW AND/OR OUTSIDE OF EXISTING SIDEWALKS OR CURBS OR DRIVEWAYS AS REQUIRED TO INSTALL THE SPECIFIED AGGREGATE BASE AND AS MAY BE NECESSARY TO INSTALL FORMWORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE SIDEWALK, CURB, AND DRIVEWAY PAY ITEMS.
- 11. THE FINISHED SURFACE OF SIDEWALKS SHALL HAVE A CROSS-SLOPE (MEASURED PERPENDICULAR TO THE TRAVEL DIRECTION) LESS THAN OR EQUAL TO 2%.

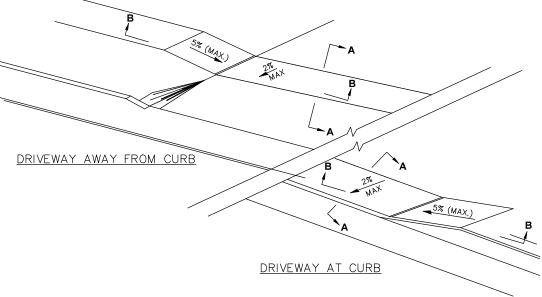
 12. WHERE 4' SIDEWALK WIDTHS ARE USED, ENSURE THAT A MINIMUM 5'x5' PASSING SPACE WITH SLOPE IN
- ANY DIRECTION NO MORE THAN 2% IS PROVIDED AT INTERVALS OF NO MORE THAN 200". SUCH PASSING SPACES MAY BE PROVIDED USING ADJACENT SECTIONS OF 5' WIDE SIDEWALK OR USING DRIVEWAY
- PAVEMENTS.

 13. WHERE EXCAVATIONS ARE MADE OUTSIDE OF CURBS OR CURB AND GUTTER TO ALLOW FOR FORMWORK, SUCH EXCAVATIONS SHALL BE FILLED TO THE BOTTOM OF THE PROPOSED INCIDENTAL HMA USING CONTROLLED LOW STRENGTH MATERIAL OR USING CONCRETE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CURB AND GUTTER PAY ITEM.

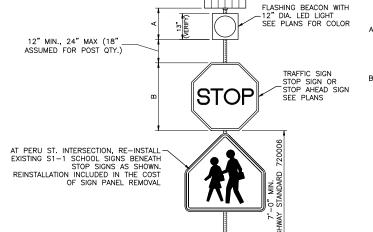
 14. WHERE INCIDENTAL HMA SURFACING IS SPECIFIED, REMOVAL OF EXISTING PAVEMENTS OR AGGREGATES TO A DEPTH AS REQUIRED TO CONSTRUCT THE 4" THICK INCIDENTAL HMA SURFACE ALONG WITH GRADING AND COMPACTION OF THE BASE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE INCIDENTAL HMA SURFACE ALONG WITH GRADING AND COMPACTION OF THE INCIDENTAL HMA SURFACE ALONG WITH GRADING AND COMPACTION OF THE INCIDENTAL HMA SURFACING PAY ITEM.

 15. REMOVED SIGN PANELS AND POSTS SHALL BE DELIVERED TO OWNER AT A LOCATION TO BE NAMED BY OWNER WITHIN THE WILLAGE IMMTS.
- OWNER WITHIN THE VILLAGE LIMITS.
- 16. CONCRETE FOUNDATION, TYPE A SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE ANCHOR BOLTS PER ARTICLE 1077.01(C) OF THE STANDARD SPECIFICATIONS ALONG WITH THE GROUND ROD AND CONDUIT SWEEP ELBOW.



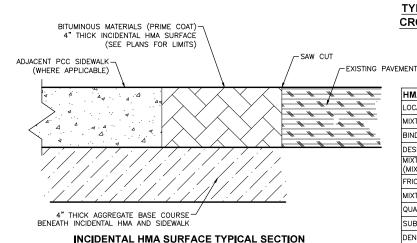


SOLAR PANEL

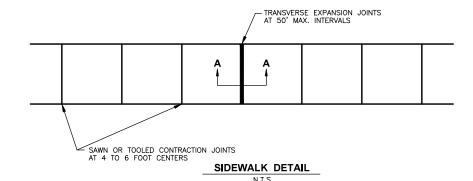




B = 2'-6" FOR STOP SIGN 4'-3" FOR STOP AHEAD SIGN

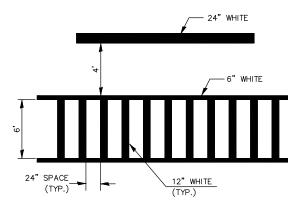


N.T.S.



RECESS JOINT FILLER 1/4"
FILL VOID TO SURFACE WITH POLYURETHANE JOINT SEALER 4" OR 6" THICKNESS 1/2" PREFORMED JOINT FILLER AS SHOWN ON PLANS 4" THICK AGGREGATE BASE COURSE

> SECTION A-A N.T.S.



TYPICAL SPACING DETAIL FOR **CROSSWALKS AND STOP BARS**

HMA MIXTURE REQUIREMENT TABLE LOCATIONS: ENTIRE PROJECT MIXTURE USE(S) INCIDENTAL HMA BINDER GRADE (PG) PG 64-22 DESIGN AIR VOIDS: 4.0% @ N50 MIXTURE COMPOSITION IL 9.5 (MIXTURE GRADATION) FRICTION AGGREGATE: MIXTURE C MIXTURE WEIGHT: 112.0 LB/SY/IN QUALITY MANAGEMENT PROGRAM: QCQA SUBLOT SIZE: DENSITY TEST METHOD: SATISFACTION OF ENGINEER MATERIAL TRANSFER DEVICE (REQUIRED):

CONTRACT NO 87842

RAWN BY: KED HECKED BY: AJO DATE: OCTOBER 2023



PERU MORRIS OTTAWA MENDOTA ILLINOIS

FLASHING BEACON DETAIL

GROUND

LADD SAFE ROUTES TO SCHOOL **SECTION 22 - 00023 - 00 - SW** LADD, ILLINOIS

12" EXTENSION OF TOP POST SECTION INTO BASE SECTION

> **GENERAL NOTES** AND DETAILS

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CURRENT AS OF: 10/3/20	23		
SCALE: AS NOTED	SHEET	2	

10

FILE NO.: 66396.00 Y- OF

SUMMARY OF QUANTITIES

IDOT Pay Item #	Description	Unit	Quantity
35101400	AGGREGATE BASE COURSE, TYPE B	TON	427
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	74
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	328
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	35
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	245
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQFT	10555
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQFT	2506
42400800	DETECTABLE WARNINGS	SQFT	388
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	230
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	92
44000600	SIDEWALK REMOVAL	SQFT	10280
50105220	PIPE CULVERT REMOVAL	FOOT	14
50800105	REINFORCEMENT BARS	POUND	49
542C0213	PIPE CULVERTS, CLASS C, TYPE 1 8"	FOOT	12
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1
60260100	INLETS TO BE ADJUSTED	EACH	2
67100100	MOBILIZATION	LSUM	1
72000100	SIGN PANEL - TYPE 1	SQFT	75
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	77
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	278
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	276
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	38
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	242
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	60
87301145	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 5C	FOOT	80
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	4
X0327618	LANDSCAPING, SPECIAL	L SUM	1
X6060048	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (SPECIAL)	FOOT	34
X6060052	COMBINATION CONCRETE CURB AND GUTTER, TYPE 8-6.24 (SPECIAL)	FOOT	58
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1

* SPECIALTY ITEM

CONTRACT NO. 87842

 DRAWN BY: KED
 REVISIONS

 CHECKED BY: AJIO
 DATE: OCTOBER 2023

PERU MORRIS
OTTAWA MENDOTA
ILLINOIS

LADD SAFE ROUTES TO SCHOOL SECTION 22 - 00023 - 00 - SW LADD, ILLINOIS

SUMMARY OF QUANTITIES

CURRENT AS OF: 12/20/2023 SCALE: AS NOTED SHEET 3
FILE NO.: 66396.00 Y— OF 10

						SI	DEWALK AND DRIVEW	AY SCHEDULE								
424001 PERPENDICULAR				_			COMBINATION	COMBINATION	INCIDENTAL				DOMESTIC			
424011 CORNER PARALLEL	SIDEWALK	PORTLAND CEMENT CONCRETE	PORTLAND CEMENT CONCRETE SIDEWALK, 6	DRIVEWAY PAVEMENT	PORTLAND CEMENT CONCRETE DRIVEWAY	CURB AND GUTTER	CONCRETE CURB	CONCRETE CURB	HOT-MIX	BITUMINOUS MATERIALS,		AGGREGATE SURFACE	WATER SERVICE			PEDESTRIAN CROSSING/ RAMP HIGHWAY STANDARD
424016 MID-BLOCK	REMOVAL	SIDEWALK, 4 INCH	INCH	REMOVAL	PAVEMENT, 6 INCH	REMOVAL	AND GUTTER TYPE B-6.24	AND GUTTER TYPE B-6.18	ASPHALT SURFACING	PRIME COAT	COURSE, TYPE B	COURSE, TYPE B	BOXES TO BE ADJUSTED	WARNINGS	ADJUSTED	NUMBER
424021 DEPRESSED CURB							D-0124	5-0110	CONT AGING				ADUGGIED			
424026 ENTRANCE/ALLEY																
LOCATION	SQ FT	SQ FT	SQ FT	SQ YD	SQ YD	FOOT	FOOT	FOOT	TON	POUND	TON	TON	EACH	SQ FT	EACH	
LOCUST STREET																
CENTRAL AVE. INTERSECTION - NE QUAD	48.3		67.2						0.5	4.5	2.2			10		424001
CENTRAL AVE. INTERSECTION - NW QUAD	173.2		173.2						0.9	8.5	5.3			18		424001
CENTRAL AVE. INTERSECTION - SW QUAD	80.0		80.0						0.5	4.0	2.5			8		424001
CENTRAL AVE. TO BUREAU AVE.	929.3	1317.0		21.1	24.1				0.0		38.9	20.7				
BUREAU AVE. INTERSECTION - NW QUAD	102.4		98.0						0.5	4.7	3.0			10		424001
BUREAU AVE. INTERSECTION - NE QUAD	213.4	152.6	103.3						0.9	8.1	7.3			20		424001
BUREAU AVE. INTERSECTION - SE QUAD	60.5		60.5			8		8	1.6	15.4	3.6			8		424001
BUREAU AVE. TO MAIN AVE.	797.2	1089.1		44.9	45.2				8.4	83.7	46.4	11.3				
MAIN AVE. INTERSECTION - NW QUAD	83.0		158.3						1.5	14.1	5.5			20		424001
MAIN AVE. INTERSECTION - NE QUAD	140.5	58.0	88.0			22	22		1.7	16.6	6.9			20	1	424001
MAIN AVE. INTERSECTION - SW QUAD	83.1		65.5			26		26	1.7	16.8	4.8			10		424001
MAIN AVE. INTERSECTION - SE QUAD	102.8	42.0	52.7			36	36		2.4	23.4	7.2			10	1	424001
MAIN AVE. TO LASALLE AVE.	500.5	650.6		14.1	14.1				0.0		19.7	7.0				
LASALLE AVE. INTERSECTION - NW QUAD	100.0		110.4						0.7	6.4	3.5			16		424001
LASALLE AVE. INTERSECTION - NE QUAD	128.8		101.8						0.7	6.4	3.3			16		424001
LASALLE AVE. INTERSECTION - SW QUAD	60.0		60.0						0.5	4.2	2.0			8		424001
LASALLE AVE. INTERSECTION - SE QUAD	107.0		107.0						0.5	4.3	3.2			8		424001
LASALLE AVE. TO PERU AVE.	583.5	678.0	10110	35.5	35.5				0.0		25.3					12.100
PERU AVE. INTERSECTION - NW QUAD	33.5		45.9						0.7	6.3	1.8			16		424001
PERU AVE. INTERSECTION - NE QUAD	196.0	107.4	119.2						0.7	6.7	6.5			18		424001
PERU AVE. INTERSECTION - SE QUAD	12.0		12.0						0.6	5.7	0.9			8		424001
PERU AVE. TO IOWA AVE.	791.4	1167.8		34.0	40.1				0.0		38.7	23.3				
IOWA AVE. INTERSECTION - NW QUAD	143.4	7,77,72	149.1		1				0.8	7.6	4.6			20		424001
IOWA AVE. INTERSECTION - NE QUAD	244.6	226.5	59.4	7.5	7.5				0.5	4.1	9.4	2.0		10		424001
IOWA AVE. INTERSECTION - SW QUAD	58.0	220.0	58.0	7.0	7.0				0.7	6.1	2.1	2.0		8	-	424001
IOWA AVE. TO HENNEPIN AVE.	902.3	1371.8	00.0	5.1	7.1				0.0	0.1	36.4	4.2				724001
HENNEPIN AVE. INTERSECTION - NW QUAD	131.9		137.5						0.9	8.2	4.4			20		424001
HENNEPIN AVE. INTERSECTION - NE QUAD	77.3		77.3						0.5	4.6	2.5			8		424001
HENNEPIN AVE. INTERSECTION - SW QUAD	29.2		29.2						0.5	4.1	1.2			8		424001
PERU AVENUE																
CLEVELAND ST. INTERSECTION - NW QUAD	53.9	20.7	40.4						0.0	<u> </u>	1.6			10		424001
CLEVELAND ST. TO LOCUST ST.	855.0	1208.5		4.6	5.8				0.4	3.0	32.3	2.9				
LOCUST ST. INTERSECTION - SW QUAD	105.0		70.2						0.5	4.2	2.3			10		424001
LOCUST ST. TO PINE ST.	911.4	1193.1		56.7	58.8				0.0		43.6	3.0	1			
PINE ST. INTERSECTION - SW QUAD	28.5		43.1						0.4	3.3	1.5			10		424001
PINE ST. INTERSECTION - NW QUAD	113.0		117.5						0.7	7.0	3.7			18		424001
PINE ST. INTERSECTION - NE QUAD	46.0		46.0						0.7	6.2	1.8			8		424001
PINE ST. TO ELM ST.	1070.3	1271.8		6.8	6.8				1.4	13.3	35.1					
ELM ST. INTERSECTION - NW QUAD	32.0		32.0						0.5	3.9	1.3			8		424001
ELM ST. INTERSECTION - SE QUAD	28.0		28.0						0.5	4.8	1.2			8		424001
ELM ST. INTERSECTION - SW QUAD	123.8		115.7						0.8	7.4	3.7			18		424001
			1		+	1						+	-			

NOTE: QUANTITIES FOR AGGREGATE BASE COURSE INCLUDE 4" BENEATH ALL DRIVEWAY PAVEMENTS, SIDEWALKS, INCIDENTAL HMA, AND CURBS.

SIGN SCHEDULE									
	SIGN PANEL TY. 1	TELESCOPING STEEL SIGN SUPPORT	REMOVE SIGN PANEL ASSEMBLY	SOLAR POWERED FLASHING BEACON					
LOCATION	SQ FT	FOOT	EACH	EACH					
CLEVELAND ST. & PERU ST NE QUAD	6.25	18.3	1	1					
CLEVELAND ST. & PERU ST SW QUAD	6.25	18.3	1	1					
CLEVELAND ST. & LASALLE ST.	9.0	20.10		1					
CLEVELAND ST. & IOWA ST.	9.0	20.10		1					
LOCUST ST. AND MAIN AVE NW QUAD	22.4	_	2						
LOCUST ST. AND MAIN AVE NE QUAD	22.4	_	2						
TOTALS	75.3	76.8	6	4					

TOTALS 10280

CULVERT SCHEDULE								
	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS C, TYPE 1, 8"						
LOCATION	FOOT	FOOT						
LOCUST ST. & BUREAU AVE. INTERSECTION - NW QUAD	14	12						
TOTALS	14	12						

$\underline{ \text{THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:} \\$

- BITUMINDUS MAT PRIME COAT OVER AGGREGATE SURFACE: 0.25 LB/SQ FT RESIDUAL ASPHALT
 INCIDENTAL HMA: 112 LBS/SQ YD/IN
 AGGREGATE BASE AND SURFACE COURSE: 2.05 TONS/CU YD

PAVEMENT MARKING SCHEDULE									
	PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING LINE, 6"	THERMOPLASTIC PAVEMENT MARKING LINE, 12"	THERMOPLASTIC PAVEMENT MARKING LINE, 24"					
LOCATION	SQ FT	FOOT	FOOT	FOOT					
CLEVELAND ST. & PERU AVE. INTERSECTION	64	166	162	38					
MAIN AVE. AND LOCUST ST. INTERSECTION	178	112	114						
TOTALS	242	278	276	38					

CONTRACT NO. 87842

86. AS	DRAWN BY: KED	LEVEL	BV	DATE	REVISIONS		PERU MORRIS	LADD SAFE ROUTES TO SCHOOL		CURRENT AS OF: 10/3/20)23	
AMLIN.	CHECKED BY: AJO	LEVEL	B' -	DATE	DESCRIPTION		OTTAWA MENDOTA	SECTION 22 - 00023 - 00 - SW	SCHEDULE OF QUANTITIES	SCALE: AS NOTED	SHEET 4	
₹,	DATE: OCTOBER 2023					Chamlin & Associates	ILLINOIS	LADD, ILLINOIS		FILE NO.: 66396.00 Y-	OF 10	<u></u>

