

FUNDING SOURCE					ITEP	
					80% FED 20% LOCAL 0028 ROADWAY	100% LOCAL NON PARTICIPATING
CONSTRUCTION CODE TYPE					QUANTITY	QUANTITY
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9.3	9.3	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,523	1,523	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	265	265	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	22	
*	78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	SQ FT	61.2	61.2	
*	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	444	444	
*	78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"	FOOT	60	60	
*	78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"	FOOT	24	24	
*	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	67.3	67.3	
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	444	444	
*	78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	60	60	
*	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	24	24	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	7	7	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	120	120	
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	1
*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1	
*	81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	2,218	2,218	
*	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	180	180	
*	81400100	HANDHOLE	EACH	4	4	
*	81702417	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	2,758	2,758	1
*	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1	
*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	5	5	
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	5	5	

* SPECIALTY ITEMS

FUNDING SOURCE					ITEP	
					80% FED 20% LOCAL 0028 ROADWAY	100% LOCAL NON PARTICIPATING
CONSTRUCTION CODE TYPE					QUANTITY	QUANTITY
	CODE NO.	ITEM	UNIT	QUANTITY	QUANTITY	QUANTITY
*	X8360110	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	174	174	
	XX003219	UNIT PAVERS	SQ FT	4,452	4,452	
	XX005431	LOCATING UNDERGROUND UTILITY	EACH	25	25	
	XX005735	PLANTER CURB	FOOT	2,015	2,015	
*	XX005967	TOPSOIL PLANTING MIXTURE	CU YD	484	484	
	XX006429	SIDEWALK, SPECIAL	SQ FT	995	995	
*	XX006901	TREE GRATE ASSEMBLY, COMPLETE	EACH	2	2	
	XX007174	CONCRETE HEADER BAND, 6"	FOOT	218	218	
	XX007324	RECYCLING RECEPTACLES	EACH	3		3
*	XX009518	DECORATIVE ROADWAY LIGHTING ASSEMBLY	EACH	29	29	
*	XX009591	LANDSCAPING PLANTER	EACH	8		8
*	Z0001110	GAS VALVE TO BE ADJUSTED	EACH	2	2	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	Z0003850	BENCHES	EACH	7	7	
	Z0003855	BICYCLE RACKS	EACH	5	5	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
	Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	1	1	
	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	90	90	
	Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	451	451	

* SPECIALTY ITEMS

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USER NAME : LeAnne Mazur
FILE NAME : 20166.0301 Plans.dwg
PLOT SCALE : 1:1
PLOT DATE : 4/28/2025 5:05:45 PM

DESIGNED : NAP
DRAWN : LMM
CHECKED : NAP
DATE : 03/28/2025

REVISED : 06/06/2025
REVISED :
REVISED :
REVISED :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

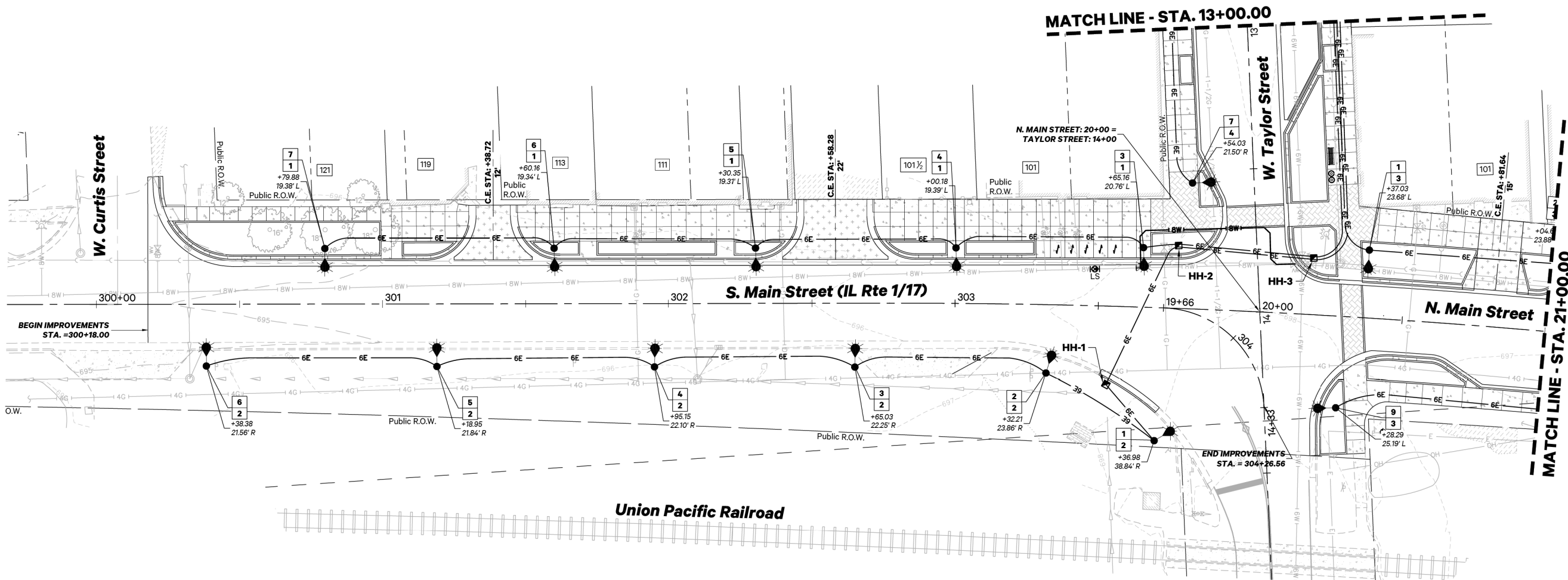
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	21-00017-00-PV	KANKAKEE	62	17
CONTRACT NO. 87874				
ILLINOIS FED. AID PROJECT				

REMOVAL ITEMS													
LOCATION					PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	REMOVING MANHOLES	REMOVING INLETS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
					44000100	44000160	44000200	44000500	44000600	60500040	60500060	78300200	78300202
STATION	OFFSET	TO	STATION	OFFSET	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	EACH	EACH	EACH	SQ FT
SOUTH MAIN STREET													
300+18.00	LT/RT		304+27.12	LT/RT	504	1,087	99	417	3,458			6	26
303+53.76	30.8' RT									1			
NORTH MAIN STREET													
20+00.00	LT/RT		24+14.05	LT/RT	2,216			237	3,647				
20+45.33	15.2' RT										1		
20+47.28	23.8' LT										1		
21+38.25	25.0' RT										1		
22+18.19	25.9' RT										1		
23+73.91	26.84' L										1		
24+13.74	26.84' L										1		
24+18.72	23.09' R									1			
WEST TAYLOR STREET													
10+00.00	LT/RT		14+00.00	LT/RT	1,809		36	636	5,446				94
12+69.70	20.2' RT										1		
13+57.99	21.2' RT										1		
TOTAL					4,529	1,087	135	1,290	12,551	2	8	6	120

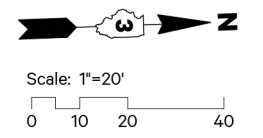
LIGHTING BILL OF MATERIALS			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
80500020	ELECTRIC SERVICE INSTALLATION - POLE MOUNTED	EACH	
81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	2,218
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	180
81400100	HANDHOLE	EACH	4
81702417	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	2,758
82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200 AMP	EACH	1
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	5
84200804	REMOVAL OF POLE FOUNDATION	EACH	5
XX009518	DECORATIVE ROADWAY LIGHTING ASSEMBLY	EACH	29
X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	174

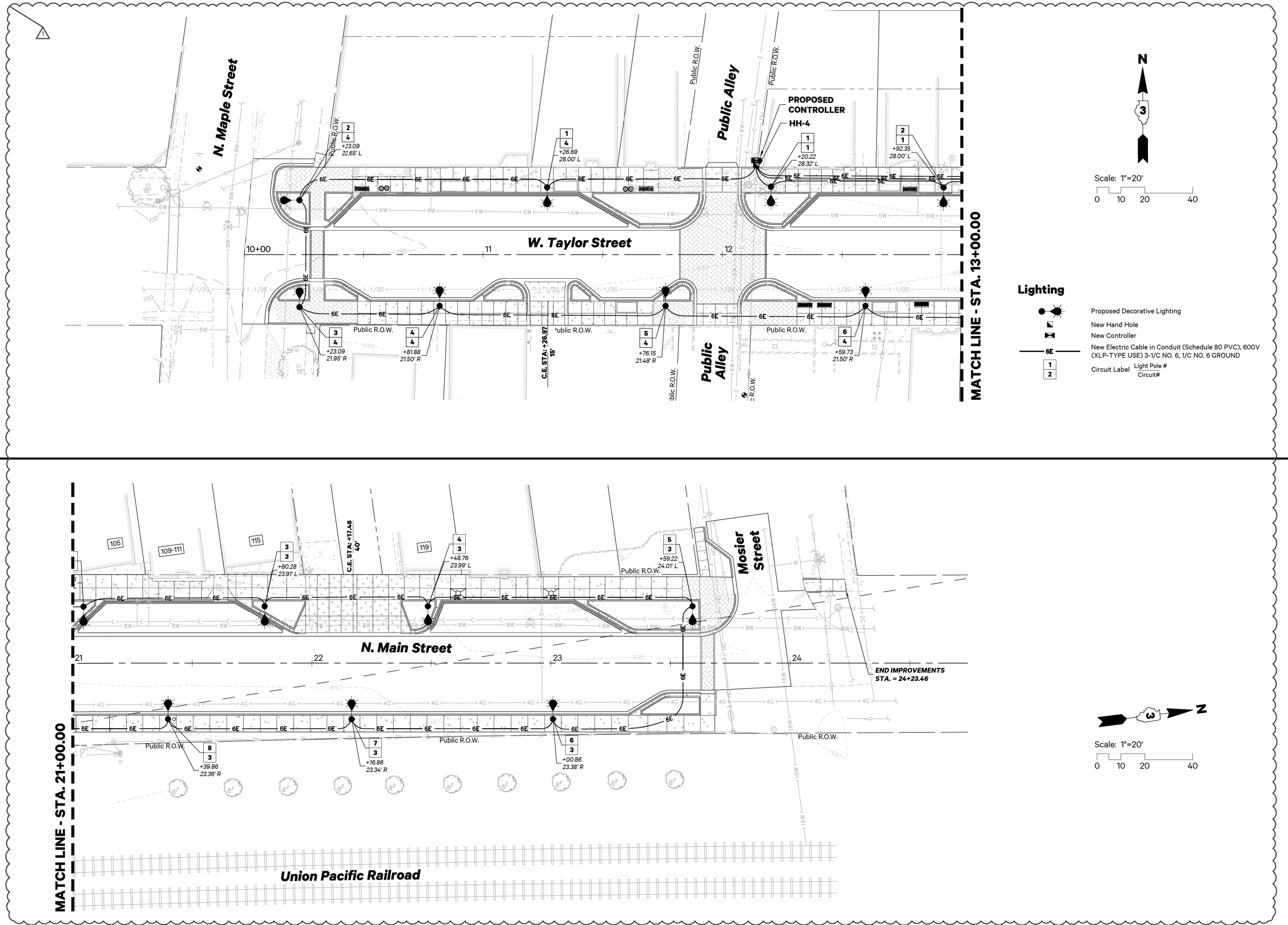
STORM SEWER PIPE & REMOVAL ITEMS												
LOCATION					TRENCH BACKFILL	STORM SEWERS, CLASS A, TYPE 1 12"	STORM SEWERS, CLASS A, TYPE 2 24"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 24"	CONTROLLED LOW STRENGTH MATERIAL	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"
					20800150 CU YD	550A0050 FOOT	550A0410 FOOT	55100500 FOOT	55101200 FOOT	59300100 CU YD	Z0056648 FOOT	Z0056672 FOOT
SOUTH MAIN STREET												
303+45.66	30.69' R		303+53.76	30.77' R	2				8			
303+53.76	30.77' R		303+54.27	38.76' R	2				8			
303+53.76	30.77' R		20+43.05	24.75' R	8					134		89
303+53.76	30.77' R		304+20.91	44.61' L			98			29		
303+53.76	30.77' R		303+81.90	19.85' L						31	55	
303+53.76	30.77' R		303+77.19	40.54' L				76		20		
NORTH MAIN STREET												
20+43.05	24.75' R		20+46.00	11.25' L	45		32					
20+46.00	11.25' L		21+11.22	11.25' L	76							61
20+45.41	15.32' R		20+47.35	26.92' L	6			42				
20+45.41	15.32' R		21+38.25	24.97' R	18			93				
21+38.25	24.97' R		22+18.19	25.92' R	11			80				
21+11.22	11.25' L		21+11.10	20.25' R	15	28						
21+11.22	11.25' L		21+26.18	11.25' L	14							11
21+11.10	20.25' R		21+26.18	20.25' R	2	12						
21+11.10	20.25' R		21+11.07	30.94' R	1	7						
21+26.18	11.25' L		23+28.06	11.25' L	235							197
22+18.19	25.92' R		24+18.72	23.09' R				201				
23+28.06	11.25' L		23+28.06	20.25' R	16	30						
23+28.06	11.25' L		24+18.72	23.09' R	93							93
23+73.91	26.84' L		24+13.74	26.84' L	4			40				
24+18.72	23.09' R		24+23.72	23.09' R					5			
24+18.72	18.09' R		24+18.72	23.09' R	2			5				
24+13.74	26.84' L		23+78.17	25.63' L	3						35	
23+78.17	25.63' L		23+65.60	54.11' L	3	30						
WEST TAYLOR STREET												
303+81.90	19.85' L		13+41.52	18.00' R	10	33						
13+41.52	18.00' R		13+41.52	10.04' L	7	26						
13+41.52	10.04' L		13+26.80	10.00' L	1	12						
13+41.52	18.00' R		13+26.80	18.00' R	3	11						
13+26.80	18.00' R		12+69.87	18.00' R	15	53						
12+68.78	18.00' R		12+69.87	26.68' R	1	8		8				
12+69.87	18.00' R		11+69.06	18.00' R	30	97						
11+69.06	18.00' R		11+77.18	10.00' L	7	27						
11+69.06	18.00' R		10+94.13	18.00' R	12	72						
TOTAL					642	446	32	643	21	214	90	451



LIGHTING LEGEND

- Proposed Decorative Lighting
- New Hand Hole
- New Controller
- New Electric Cable in Conduit (Schedule 80 PVC), 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND
- Circuit Label
- Light Pole #
- Circuit#







Luminaire Performance Table

Project

Date

04/25/25

Contract Number

87474

Section Number

21-00017-00-PV

County

Kankakee

Marked Route Number

FAP 332

Municipality

Village of Grant Park

Roadway

Lane Width (see note 4)

13 feet

Number and Direction of lanes

2L 2W - Both Directions

Median Width

N/A

Surface Classification

R3

Q-Zero Value

0.07

Structure

Mounting Height

20 feet

Arm Length

4 feet

Set-Back (see note 1)

2.8 feet

Number of Luminaries

1

Luminaire

Description

LED, Output Designation C

Transverse Distribution

Type III or IV

Lateral Distribution

Medium

Total Light Loss Factor (LLF)

Refer to Notes 6 and 7

B-U-G Rating

U=0

Shields

Houseside

Dimming Protocol

0-10V

Layout

Spacing

44 feet

Configuration

Staggered

Performance (see notes 5 and 6)

Average Illuminance, E_{AVE} (fc)

> 0.8

Uniformity Ratio, E_{AVE}/E_{MIN}

< 3.0:1

Average Luminance, L_{AVE} (cd/m²)

> 0.6

Uniformity Ratio, L_{AVE}/L_{MIN}

< 3.5:1

Uniformity Ratio, L_{MAX}/L_{MIN}

< 6.0:1

Veiling Luminance Ratio, L_v/L_{AVE}

< 0.3:1

Light Trespass (see notes 5 and 7)

Distance to ROW (behind pole)

N/A

Max. Horizontal Illuminance at ROW, E_H

N/A

Max. Vertical Illuminance at ROW, E_v

N/A

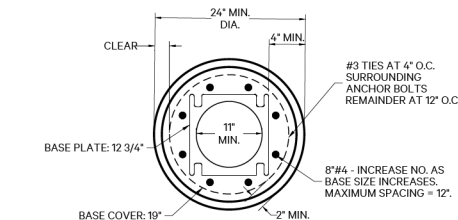
- Notes
- Set-Back is from Edge of Pavement (white line).
 - Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
 - Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.
 - Lane width is the width of each **individual** lane, not to be confused with total roadway width.
 - Compliance with performance criteria shall be held to one significant digit.
 - Photometric calculations for roadways shall be performed with a total light loss factor of 0.7
 - Light trespass calculations shall be performed with a total light loss factor of 1.0 and with horizontal calculations performed at grade and vertical calculations performed with calculation points located three feet above grade.
 - Luminaire performance table is intended to define the luminaire and does not necessarily match any specific roadway geometry, mounting height, setback, or arm length.

Printed 04/25/25

BDE 5630 (Rev. 06/06/24)

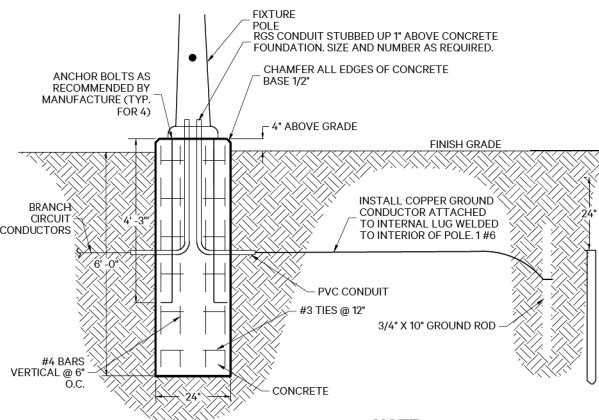
LIGHT POLE FOUNDATION SPECIAL

NOT TO SCALE



PLAN VIEW

NOT TO SCALE

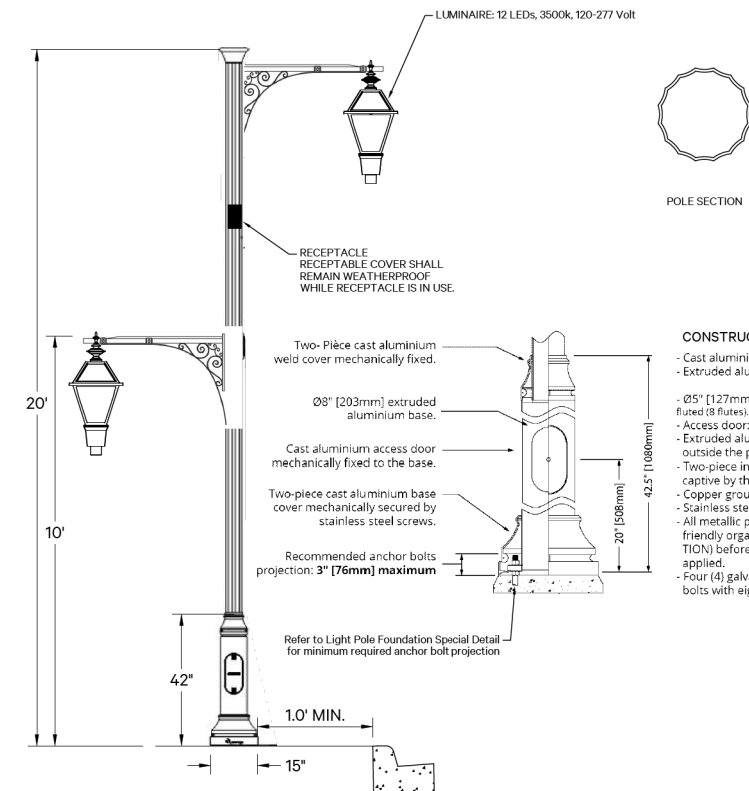


NOTE

LUMINAIRE WIRING IN POLE TO BE COMPLETED IN ACCORDANCE TO IDOT STANDARD 82101-03

DECORATIVE ROADWAY LIGHTING ASSEMBLY

Not to Scale



CONSTRUCTION

- Cast aluminium: 356.1
- Extruded aluminium: 6061-T6
- Ø5" [127mm] extruded aluminium tube. E= straight or D= fluted (8 flutes).
- Access door: 6" [153mm] × 11" [279mm] cast aluminium.
- Extruded aluminium anchor base plate welded inside and outside the perimeter of the tube.
- Two-piece injection molded aluminium base cover held captive by the anchor base plate.
- Copper ground lug.
- Stainless steel hardware.
- All metallic parts are pretreated using an environmentally friendly organic phosphating technology (PLAFORIZATON) before a polyester powder coating is electrostatically applied.
- Four (4) galvanized steel 3/4-10x15" (HD 1-8x30") anchor bolts with eight (8) washers and nuts (9.95 lb [4.52 kg]).

NOTE

LUMINAIRE WIRING IN POLE TO BE COMPLETED IN ACCORDANCE TO IDOT STANDARD 82101-03



USER NAME: LeAnne Mazur
FILE NAME: 20166.0301 Plan.dwg
PLOT SCALE: 1:1
PLOT DATE: 6/6/2025 1:42:06 PM

DESIGNED: NAP
DRAWN: LMM
CHECKED: NAP
DATE: 03/28/2025

REVISED: 06/06/2025
REVISED: _____
REVISED: _____
REVISED: _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LUMINAIRE PERFORMANCE TABLE & POLE DETAILS
LIGHTING PLAN

SCALE: NA SHEET NO. 4 OF 4 SHEETS STA. 10+00.00 TO STA. 14+32.85

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	21-00017-00-PV	KANKAKEE	62	38
CONTRACT NO. 87874				
ILLINOIS FED. AID PROJECT				