

To: Mayor Mulder and Members of the City Council

From: Amee King, Assistant City Manager, and Rich Morrison, Community Development Director

Date: May 21, 2024

Re: Michigan Department of Transportation –Resolution for the Submission of a Shared Streets and Spaces Grant Application for the Enhanced Downtown Street Light Project

The City is preparing to submit an application to the Michigan Department of Transportation's (MDOT) Shared Streets and Spaces Grant (SSSG) for enhancement of the downtown street lights within the Grand Renovations for Downtown Grand Ledge (GRDGL) renovation project. This MDOT SSSG project includes retrofitting 73 existing downtown street light poles with new globe fixtures that will reduce light pollution and utilize LED bulbs, originally a component of GRDGL that was pulled out due to the high project costs and the need to prioritize the street renovations.

The enhanced downtown street light project is estimated to cost \$241,098. The maximum SSSG grant is \$200,000. The City, via the Downtown Development Authority, will need to commit to matching funds of \$41,098. The City will utilize the \$3.4M GRDGL grant and the \$1M grant from the Michigan Economic Development Corporation as leverage for the grant application. The City will be submitting an SSSG grant application for \$200,000.

As an SSSG requirement, the City is required to provide a resolution of support, the MDOT-provided resolution template is attached.

Staff recommends the following next steps to support this project:

- **City Council Meeting, Tuesday, May 28, 2024** – Provide a resolution supporting the submission of the SSSG application and commitment of the matching funds.

SSSG Deadlines

- June 7, 2024 – Grant application is due.
- August 2024 – Grant award notices are issued.

Grand Ledge City Council Resolution # _____ of 2024

**A Resolution Authorizing Application and Implementation of
Michigan Shared Streets and Spaces Grant.**

A resolution adopted by the Grand Ledge City Council, at a regular meeting held on Tuesday, 28 May 2024, in the Council Chambers, City Hall, 310 Greenwood St., Grand Ledge MI 48837, in compliance with the Open Meetings Act, as amended.

Whereas, the City of Grand Ledge, Michigan (“City”) is a municipal corporation organized under the provisions of the Home Rule City Act, Public Act 279 of 1909, as amended, and is governed by the provisions of the Grand Ledge City Charter adopted 07 August 2018, as amended (“Charter”); and

Whereas, Charter §13.1A provides:

“The power to make and to authorize the making of contracts on behalf of the City is vested in the City Council and shall be exercised in accordance with the provisions of law”; and

Whereas, the City is an incorporated municipality of the State of Michigan and therefore an eligible applicant to apply for the one-time appropriation of Shared Streets and Spaces Grant (SSSG) funding through the Michigan Department of Transportation; and

Whereas, the City strives for a more walkable, bikeable, and transit-friendly community, and is submitting an application for funding for enhanced downtown lighting; and

Whereas, the City finds that this project uses innovation and forward-thinking project planning, design, and construction, considers equity and accessibility in the selection of the project, and meets program goals; and

Whereas, the City has worked across municipal departments to gain broader agency support and coordination for ease of implementation as desired by the program goals; and

Whereas, the City has presented the project in a public forum and notified the community at large about this application and exciting opportunity;

Now, Therefore, It Is Resolved:

1. The City hereby submits to the State of Michigan an application for the Shared Streets and Spaces Grant program for the project described herein, and commits to additional funding that may be required over and beyond the grant amount.
2. The City hereby agrees to the implementation and continued maintenance of the resulting Shared Streets and Spaces Grant project.
3. The City authorizes Adam Smith, City Manager, as representative on behalf of the City to sign a contract upon receipt of a grant funding award.

Motion by

Second by

Ayes:

Nays:

Absent:

Approved:

Keith O. Mulder, Mayor

I, Gregory L. Newman, Grand Ledge City Clerk, certify this is Resolution #_____ of 2024, adopted by the Grand Ledge City Council at a regular meeting held on Tuesday, 28 May 2024; in the Council Chambers, City Hall, 310 Greenwood St., Grand Ledge MI 48837, in compliance with the Open Meetings Act, as amended.

Gregory L. Newman, City Clerk



Michigan Shared Streets and Spaces Grant Program (SSSG)

MDOT Fiscal Year 2024 budget includes a one-time appropriation of \$3.5 million intended to support quick-build projects with the purpose of making communities more walkable, bikeable and transit- and micromobility-friendly. The appropriation funds the Shared Streets and Spaces Grant (SSSG) program, which can award grants up to \$200,000. This program is being administered by MDOT with no local match requirement.

The SSSG program is designed to help incorporated cities and transit authorities reconceive their streets not only as thoroughfares for vehicles, but also as civic spaces with a range of uses for all of us, no matter our age, ability or preferred ways of getting around.

MDOT is issuing a call for project application for the SSSG program beginning April 12, 2024. **Applications are due June 7, 2024.** Eligible applicants defined by law include incorporated cities and public transit agencies as defined in section 10c of 1951 PA 51, MCL 247.660c.

Contact

General Inquiries

[MDOT-SSSG-Program@Michigan.gov](#)

Media Inquiries

[Michael Frezell](#) | 517-281-6519
Deputy Communications Director

[Application Portal](#)

Important Dates

Milestone	Date
Issue Notice of Funding Opportunity	April 2024
Informational Webinar	April 2024
Application Deadline	June 2024
Notification of Award	August 2024

Program Guidance

Application Summary

Incorporated cities and transit agencies may submit only one application and will only be awarded one grant. Individual departments within incorporated cities are encouraged to communicate with each other and only submit their highest priority application. Incorporated cities may also work together to propose cross-municipality projects, provided one municipality acts as the lead applicant; however, the single-application maximum still applies. Incorporated cities and transit agencies may also coordinate with each other, seeking funding for different elements of a larger project. School districts, nonprofits, private businesses, and other entities may not apply directly for funding; applications must only be submitted by eligible applicants.

The application is a fillable online form that collects information about the applicant and the proposed project. The applicant must demonstrate how the project relates to the goals of the SSSG program and detail the project's implementation plan, timeline, and measurable outcomes. The applicant must also submit a project budget using the standard MDOT template (noted below in the Project Eligibility section) and any other supplemental information necessary to review the application.

It is essential at the time of application that an applicant understands ownership over the proposed infrastructure and whether any right-of-way acquisitions, easements or licenses/permits are required. Applicants are required to engage the public, adjacent property owners and other stakeholders prior to submitting an application. Applicants should include information related to property ownership and their levels of community engagement and all feedback, positive or negative, associated with the proposed project.

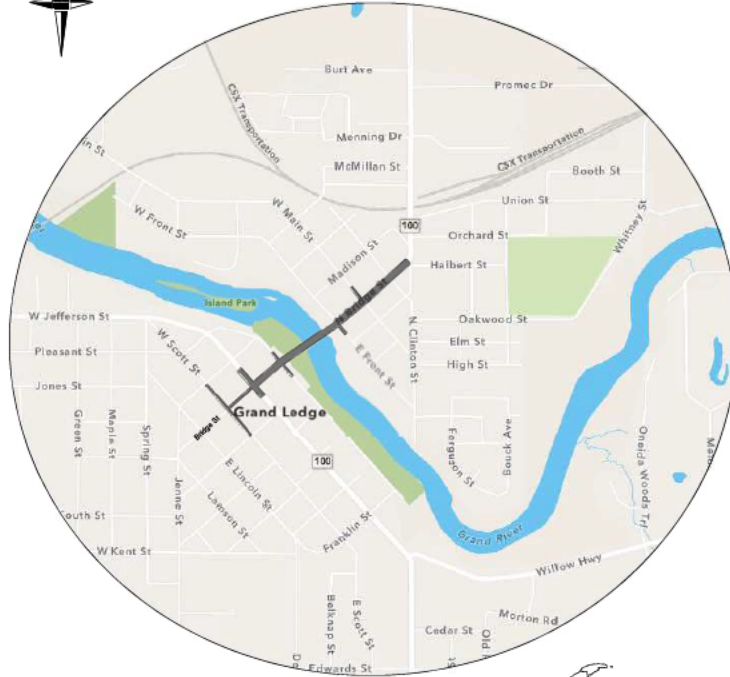
Applications must be submitted online using the Michigan Economic Development Corp. (MEDC) WiseHive platform.

GENERAL PROVISIONS:

1. THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SUPPLEMENTAL SPECIFICATIONS, EXCEPT AS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
2. THE LOCATIONS OF PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE CITY OF GRAND LEDGE WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FOR THE LOCATIONS SHOWN, AS A CONDITION OF THIS CONTRACT AND PURSUANT TO ACT 174 OF THE PA OF 2013, NOTICE SHALL BE GIVEN TO MISS 280 A MINIMUM OF THREE WORKING DAYS PRIOR TO ANY UNDERGROUND WORK BEING PERFORMED. CONTACT (800)482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT GENERALLY SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE CITY.

GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE

CONTRACT NO. 1A: STREETLIGHT IMPROVEMENTS



ELECTRICAL NOTES

1. FINAL CONNECTIONS TO LIGHT FIXTURES SHALL BE MADE WITH FLEXIBLE CONDUIT. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 4'-0".
2. ALL DEVICES, EQUIPMENT, FIXTURES, ETC., MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR.
3. WHERE OPEN WIRING METHODS FOR LOW VOLTAGE SYSTEMS ARE PERMITTED BY THE CONTRACT DOCUMENTS, OWNER AND LOCAL AUTHORITY, THE CABLE/CONDUCTOR INSULATION SHALL BE RATED PER NEC FOR ENVIRONMENT (I.E. PLENUM RATED, ETC.) BEING INSTALLED.
4. BRANCH CIRCUIT CONDUCTOR SIZES (A CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL & THE LOADS DO NOT EXCEED A LIMIT OF 3%.
5. REGARDLESS OF THE TEMPERATURE RATING OF THE CONDUCTOR INSULATION, ALL CONDUCTOR AMPACITY RATINGS FOR THIS PROJECT SHALL BE DETERMINED FROM THE 75°C CONDUCTOR TEMPERATURE RATINGS INDICATED IN THE NEC TABLES, WHERE EQUIPMENT OR DEVICES ARE PROVIDED WITH TERMINALS/RIGS RATED FOR 60°C. THE AMPACITY RATING OF THE 75°C CONDUCTOR SHALL BE LIMITED TO ITS ASSOCIATED 60°C RATING AS INDICATED IN THE NEC TABLES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO INCREASE THE CONDUCTORS AND CONDUIT SIZE AS REQUIRED.
6. ALL 120V AND 277V BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTORS. SHARED NEUTRALS WILL NOT BE PERMITTED FOR MULTI-CIRCUIT INSTALLATIONS. WHERE MULTIPLE CIRCUITS ARE RUN IN A COMMON RACEWAY, THE AMPACITY OF THE CONDUCTORS SHALL BE PROPERLY DERATED & CONDUIT SHALL BE SIZED PER CODE UNDER NO CIRCUMSTANCES SHALL MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
7. ALL CONDUITS SHALL CONTAIN A GROUND CONDUCTOR SIZED PER NEC TABLE #250.122. IN ADDITION, WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED, A SEPARATE GROUND CONDUCTOR WITH GREEN INSULATION SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE. IN NO CASE SHALL THE SYSTEM GROUND (CONDUCTOR & ASSOCIATED OUTLET BOXES, CONDUIT & BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED GROUND (CONDUCTOR & DEVICES), WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR ANY REASON (I.E. VOLTAGE DROP, DERATING, ETC.). THE GROUND CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE # 250.122.
8. THE CONTRACTOR SHALL FURNISH ALL ACCESS PANELS, AS REQUIRED FOR SERVICING AND TESTING, FOR EQUIPMENT AND/OR DEVICES FURNISHED UNDER HIS CONTRACT. THE GENERAL CONTRACTOR SHALL INSTALL ACCESS PANELS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EACH ACCESS PANEL WITH THE ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
9. ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ALL CUTTING, TRENCHING AND PATCHING ASSOCIATED WITH THE ELECTRICAL INSTALLATION.
10. ALL ELECTRICAL EQUIPMENT AND DEVICES FOR THIS PROJECT MUST BE UL LISTED, DEVICES, EQUIPMENT, SYSTEMS SHALL BE INSTALLED PER N.E.C., REQUIREMENTS AND MANUFACTURERS INSTRUCTIONS.
11. ALL CONDUIT AND CABLEING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. FOR EXISTING INSTALLATIONS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLEING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

INDEX OF SHEETS:

TITLE SHEET	1
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ISSUED FOR RE-BIDDING 11.01.2023



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PLANS FOR: THE REMOVAL AND REPLACEMENT OF THE STREETLIGHT FIXTURES ON UP TO 88 STREETLIGHT POLES, INCLUDING THE CLEANING AND COATING OF THE STREETLIGHT POLES AND SUPPORTS FOR THE DECORATIVE CLOCK IN DOWNTOWN GRAND LEDGE.

CITY OF GRAND LEDGE

AMIE KING, ASSISTANT CITY MANAGER DATE

PREPARED UNDER THE SUPERVISION OF:

Justin R. Wellman 50041

JUSTIN R. WELLMAN, PE REGISTRATION NO.

H:\2020\03000356_00 Grand Renovations for Downtown Grand Ledge\Design\CAD\Work Sheets\Grand Ledge Contract #1 Sheets.dwg

ZONE	REV	REVISION HISTORY	CHK BY	DATE	APPROVED

Clamp-On attachment to fit over existing decorative casting

Sentry Powder Coated arm (replaceable due. Welded to use clearly)

4 1/2"

Hanger Hanger Welded to Sentry fixture housing

SECTION A-A

Existing (hatched portion to be cut off)

<p>Sentry Electric LLC 185 Buffalo Avenue, Preppon, New York 11520</p> <p>City of Grand Ledge, MI Project # 2020-0356</p> <p>DATE: 10-20-2023 DRAWN: M.S. ENGINEER: S.B.A.V.</p>	<p>Sentry Electric LLC 185 Buffalo Avenue, Preppon, New York 11520</p> <p>City of Grand Ledge, MI Project # 2020-0356</p> <p>DATE: 10-20-2023 SCALE: 1=10 SHEET: 1 OF 1</p>
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Sentry SBCA6 No Globe Series Tear Drop Luminaire

CONSTRUCTION:
All structural components are made from high strength ASTM 355.1 cast aluminum and heavy gauge spun aluminum. Top casting and base aluminum require large and (1) solid cast mounting the ball opening which allows quick and easy access to the LED driver compartment. Solid cast shell that captures a closed position with slight release.

DIMENSIONS (h x d):
25 1/8" x 39"

WEIGHT (approximate)
17 pounds

OPTICAL:
LED mod-les with individual lenses create IP68 optical chamber.

ELECTRICAL:
Meets UL 1196 and 8750 standards for safety. The system includes surge protection 10kV/10kA per IEEE/ANSI C62.41.2. Luminaire has to be grounded.

FINISH:
All cast aluminum shall be finished with high gloss Super Durable polyester powder coat paint to be applied utilizing multi-stage process that includes phosphoric pretreatment, electrocoat powder application, and conversion coating. Color to be specified.

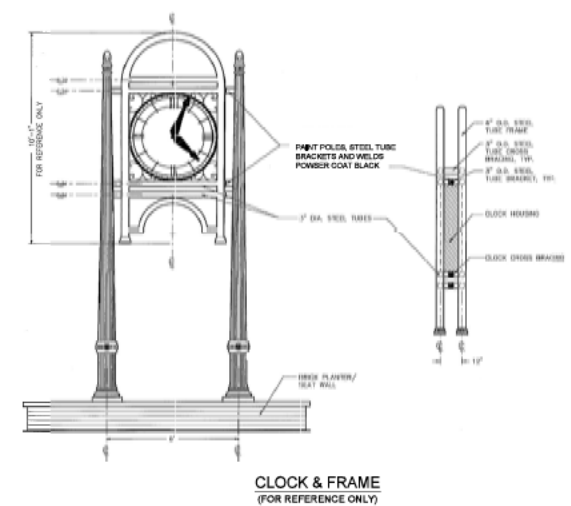
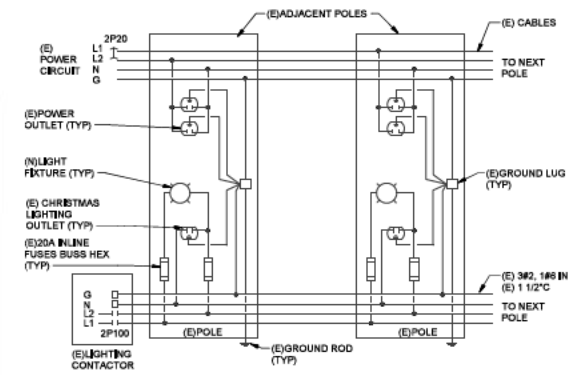
MOUNTING:
Mounts to 4" NPS using a 2" NPS hanger coupling. Hanger assembly allows adjustment of vertical position of the luminaire for 0.5". (1) 1/4" x 2" UNC hex head bolt to be furnished with Hanger to lock 2" NPS thread. (2) 3/8" 18 UNC hex head cap screw on screw top the luminaire from unwanted movement. All hardware shall be stainless steel.

Catalog #: SBCA6-NG-LEDV29B-0.7A-840-KHT2-DD-PLZ-2C
Color: Advise

<p>LED:</p> <p>LUMINAIRE WATTAGE: ■ LEDV29B1.75A 1750mA, 17 Watt ■ LEDV29B1.85A 1850mA, 18 Watt ■ LEDV29B1.75A 1800mA, 18 Watt</p> <p>CHL CCT: ■ 835 8000K 3000K CCT ■ 835 8000K 3500K CCT ■ 840 8000K 4000K CCT</p>	<p>VOLTAGE ■ 120-277V</p> <p>OPTIONS: ■ 835 CCT ■ 840 CCT ■ 835 CCT</p> <p>■ DD Diffuser Lens ■ PLZ-2C Powder Set</p>
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Sentry Electric LLC
185 Buffalo Avenue, Preppon, New York 11520
Tel: 516-378-4660 Fax: 516-378-0024
www.sentrylighting.com Email: info@sentrylighting.com
BRIDGE STREET, GRAND LEDGE, MI



NOTE: STREET LIGHTING FIXTURES TO BE PROVIDED BY CITY OF GRAND LEDGE.

STREET LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER	COLOR TEMP	VOLTAGE	OPTICS	MOUNTING STYLE	FINISH COLOR	LUMENS	LPW	PRE-WIRE LEADS	COMMENTS
A	TBD	4000 K	MVOLT 120-277V	ASYMMETRIC	PROVIDE ADAPTOR TO CONNECT NEW FIXTURE TO EXISTING HOLOPHANE ARM	POWDER COATED BLACK	6,774	134	20 FEET	FIXTURE TO BE DARK SKY COMPLIANT. CONTRACTOR TO PROVIDE CITY A MINIMUM OF THREE OPTIONS FOR SELECTING STYLE OF FIXTURE.
B	TBD	4000 K	MVOLT 120-277V	ASYMMETRIC	PROVIDE ADAPTOR TO CONNECT NEW FIXTURE TO EXISTING HOLOPHANE ARM	POWDER COATED BLACK	4,122	139	20 FEET	FIXTURE TO BE DARK SKY COMPLIANT. CONTRACTOR TO PROVIDE CITY A MINIMUM OF THREE OPTIONS FOR SELECTING STYLE OF FIXTURE.

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Manager: J.R.W.
Designer: J.R.W.
Quality Control: S.J.A.R.
Sector: 11

811
Know what's below.
Call before you dig.

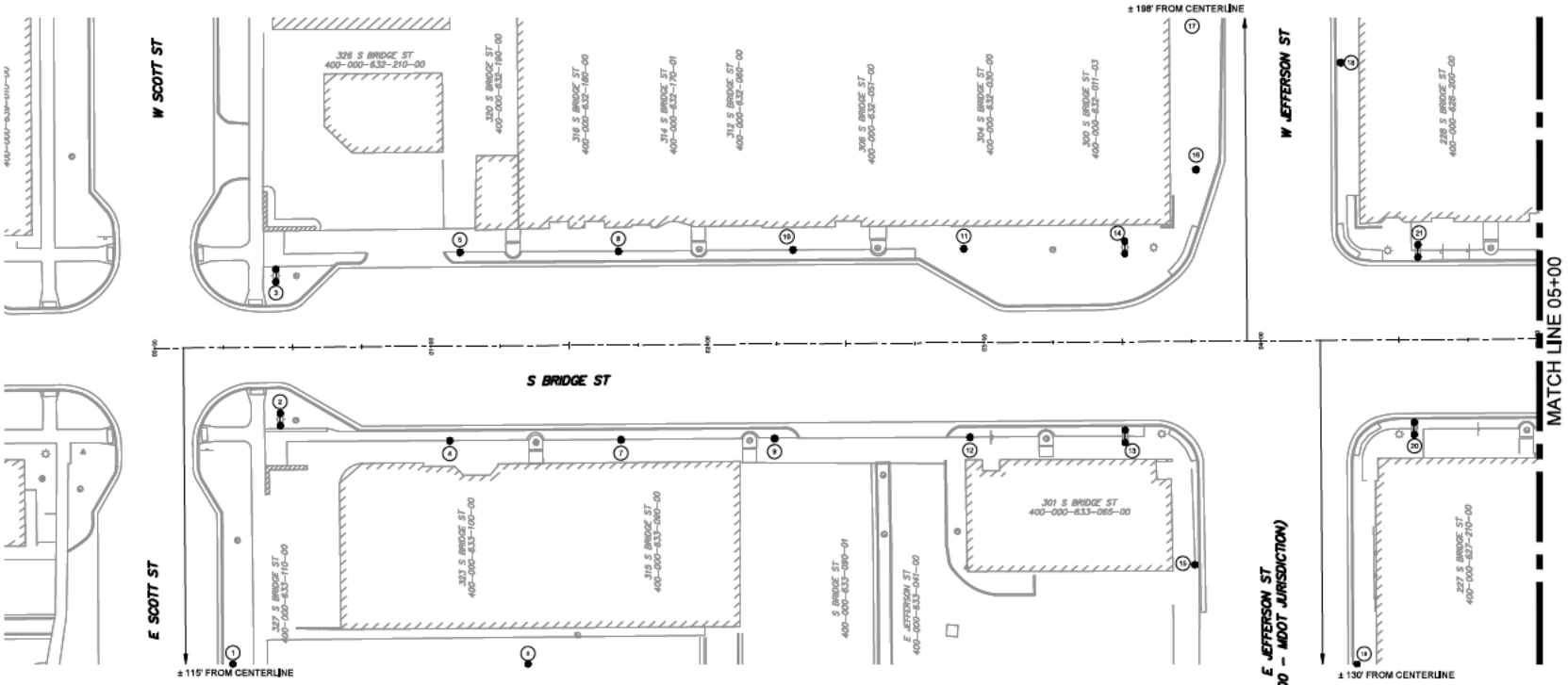
DATE	ISSUE
04/08/2023	ISSUED FOR MEDC REVIEW
06/01/2023	ISSUED FOR BID/ING
11/01/2023	RE-ISSUED FOR BIDDING

Developed For:
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310 GREENWOOD STREET
GRAND LEDGE, MI 48837
(517) 627-2149

GENERAL NOTES

GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
EATON COUNTY
MICHIGAN

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Project: 2020-0356
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BASE #0

ITEM OF WORK	QUANTITY	UNIT
BAND, SIGN	2	EACH
SIGN, TYPE III, REM	1	EACH
SIGN, TYPE III, ERECT, SALV	1	EACH
LUMINAIRE, REM	20	EACH
LUMINAIRE, INSTALLATION, TYPE A	12	EACH
LUMINAIRE, INSTALLATION, TYPE B	8	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	14	EACH
CABLE, ST LTG, REM	320	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	180	FOOT
CABLE, ST LTG, 600 V, 1/0#10	180	FOOT

ADD ALTERNATE #2

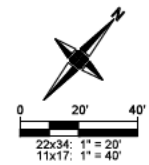
ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	480	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	240	FOOT
CABLE, ST LTG, 600 V, 1/0#10	240	FOOT

ADD ALTERNATE #1

ITEM OF WORK	QUANTITY	UNIT
BAND, SIGN	2	EACH
SIGN, TYPE III, REM	1	EACH
SIGN, TYPE III, ERECT, SALV	1	EACH
LUMINAIRE, REM	8	EACH
LUMINAIRE, INSTALLATION, TYPE B	8	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	8	EACH
CABLE, ST LTG, REM	128	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	84	FOOT
CABLE, ST LTG, 600 V, 1/0#10	84	FOOT

ADD ALTERNATE #3

ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	192	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	96	FOOT
CABLE, ST LTG, 600 V, 1/0#10	96	FOOT



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DATE	ISSUE
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11/01/2023	RE-ISSUED FOR BIDDING

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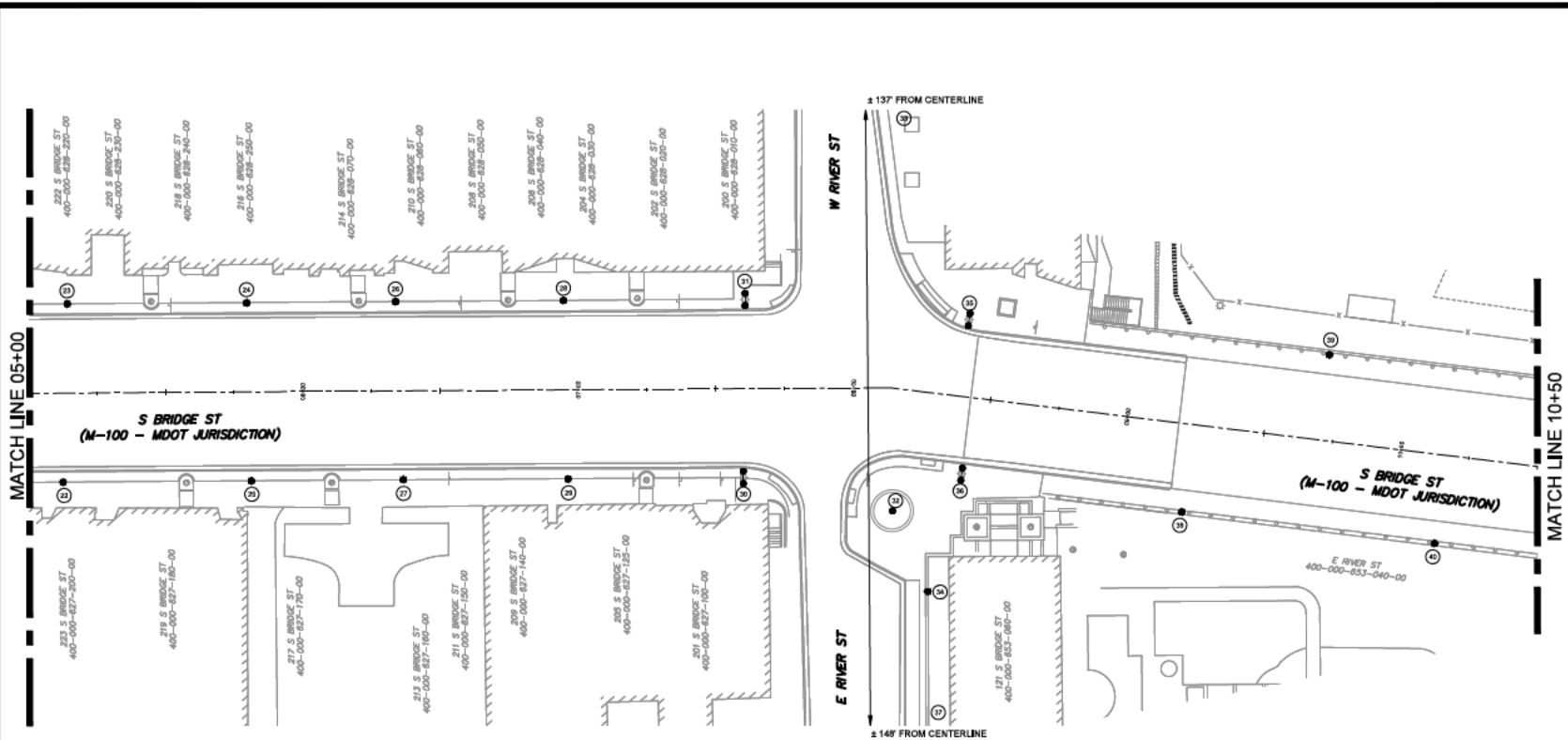
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STREETLIGHT IMPROVEMENT PLAN
(P.O.B. - 05+00)

GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
EATON COUNTY
MICHIGAN

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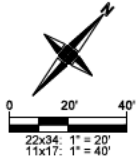


ITEM OF WORK	QUANTITY	UNIT
BAND, SIGN	2	EACH
SIGN, TYPE III, REM	1	EACH
SIGN, TYPE III, ERECT, SALV	1	EACH
LUMINAIRE, REM	20	EACH
LUMINAIRE, INSTALLATION, TYPE A	8	EACH
LUMINAIRE, INSTALLATION, TYPE B	12	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	16	EACH
CLOCK SUPPORT STRUCTURE, CLEAN AND COAT, BLACK	1	EACH
CABLE, ST LTG, REM	320	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	160	FOOT
CABLE, ST LTG, 600 V, 1/0#10	160	FOOT

ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	480	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	240	FOOT
CABLE, ST LTG, 600 V, 1/0#10	240	FOOT

ITEM OF WORK	QUANTITY	UNIT
LUMINAIRE, REM	2	EACH
LUMINAIRE, INSTALLATION, TYPE B	2	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	2	EACH
CABLE, ST LTG, REM	32	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	16	FOOT
CABLE, ST LTG, 600 V, 1/0#10	16	FOOT

ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	48	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	24	FOOT
CABLE, ST LTG, 600 V, 1/0#10	24	FOOT



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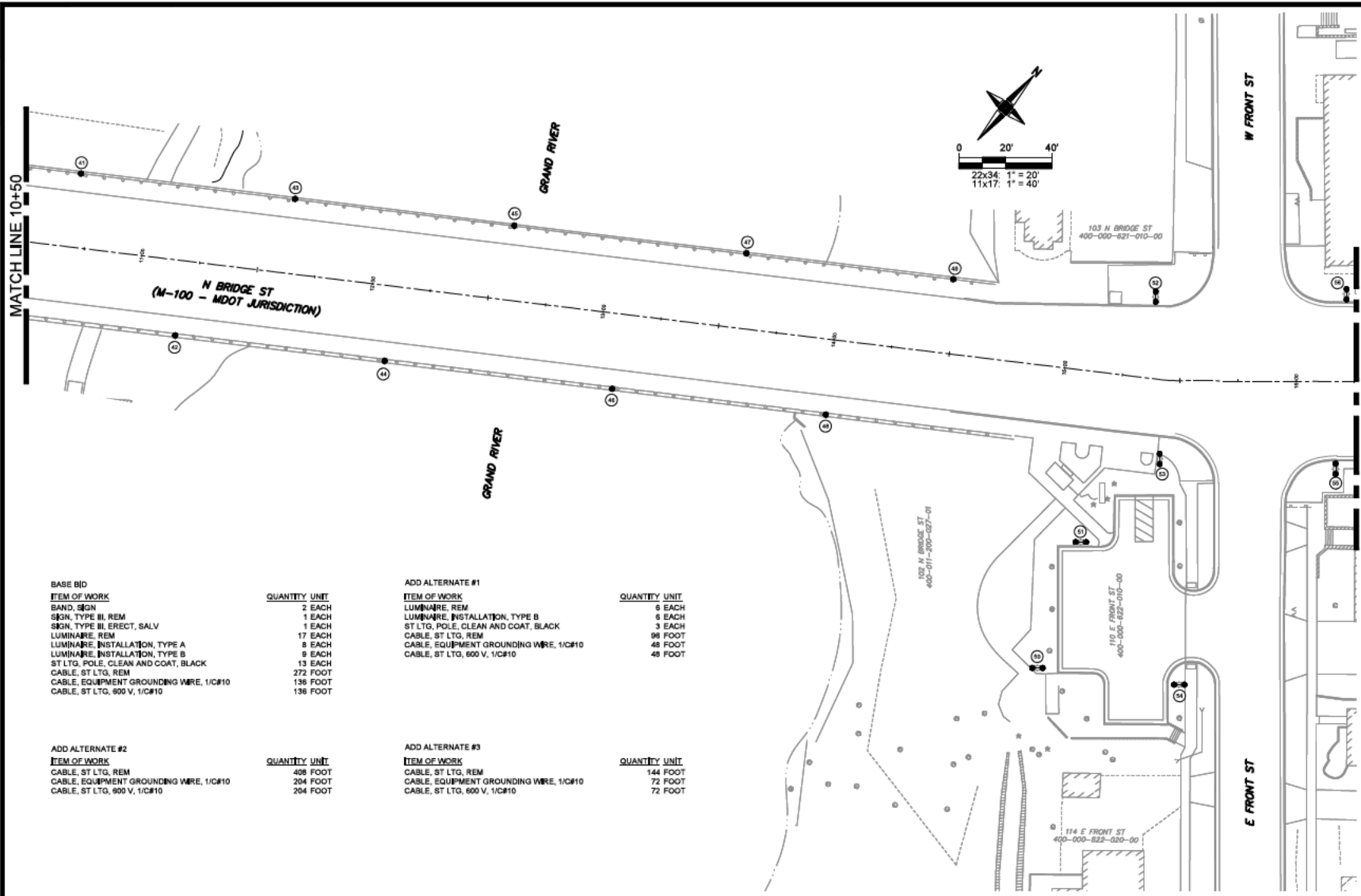
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Developed For:
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310 GREENWOOD STREET
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STREETLIGHT IMPROVEMENT PLAN
(05+00 - 10+50)
GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
EATON COUNTY
MICHIGAN

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GRAND LEDGE, MI 48837
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STREETLIGHT IMPROVEMENT PLAN
(10+50 - 16+25)

GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
EATON COUNTY
MICHIGAN

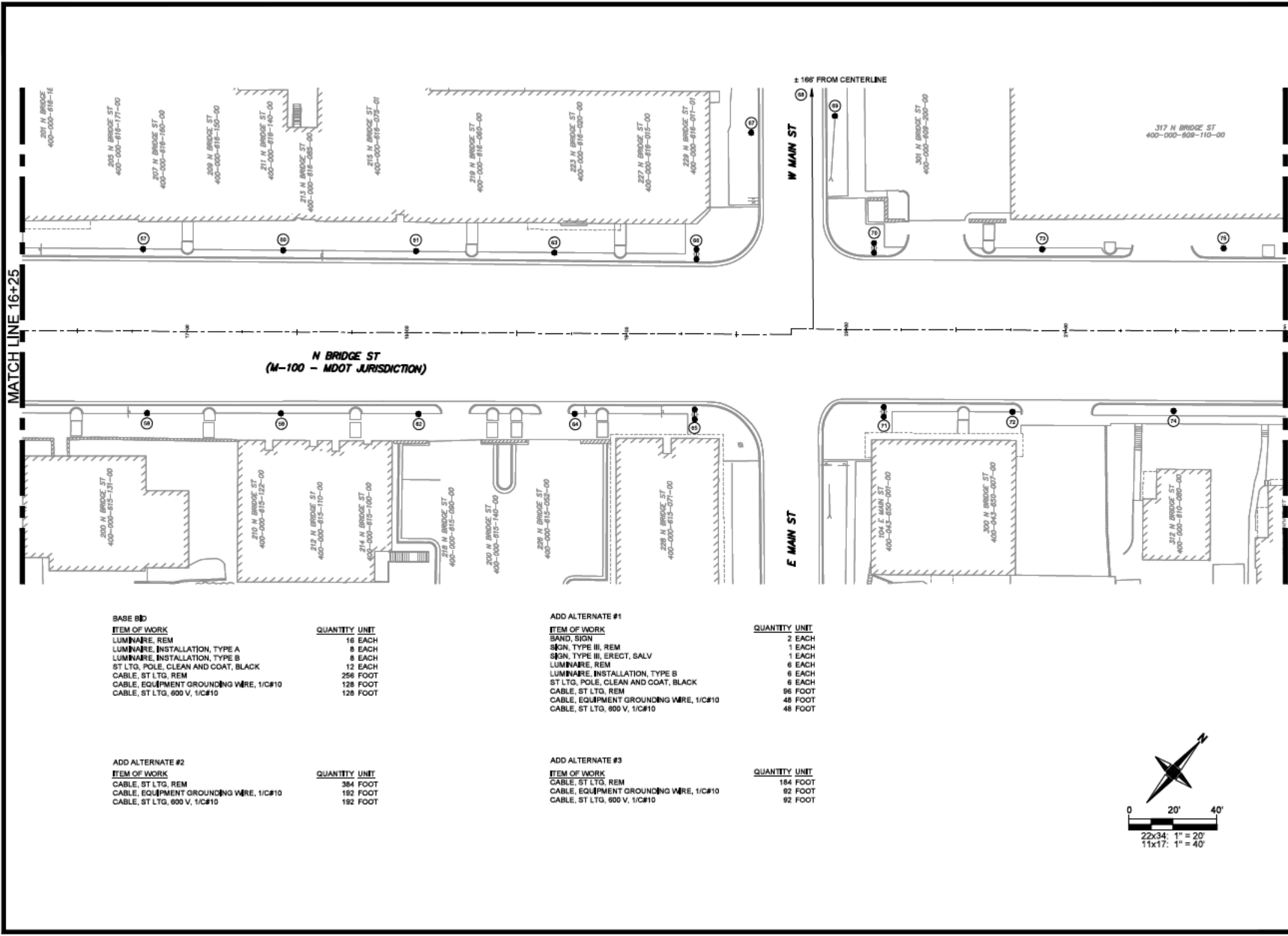
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ITEM OF WORK	QUANTITY	UNIT
BASE BID		
BAND, SIGN	2	EACH
SIGN, TYPE III, REM	1	EACH
SIGN, TYPE III, ERECT, SALV	1	EACH
LUMINAIRE, REM	17	EACH
LUMINAIRE, INSTALLATION, TYPE A	8	EACH
LUMINAIRE, INSTALLATION, TYPE B	9	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	13	EACH
CABLE, ST LTG, REM	272	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	136	FOOT
CABLE, ST LTG, 600 V, 1/0#10	138	FOOT

ITEM OF WORK	QUANTITY	UNIT
ADD ALTERNATE #1		
LUMINAIRE, REM	6	EACH
LUMINAIRE, INSTALLATION, TYPE B	6	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	3	EACH
CABLE, ST LTG, REM	98	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	48	FOOT
CABLE, ST LTG, 600 V, 1/0#10	48	FOOT

ITEM OF WORK	QUANTITY	UNIT
ADD ALTERNATE #2		
CABLE, ST LTG, REM	408	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	204	FOOT
CABLE, ST LTG, 600 V, 1/0#10	204	FOOT

ITEM OF WORK	QUANTITY	UNIT
ADD ALTERNATE #3		
CABLE, ST LTG, REM	144	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/0#10	72	FOOT
CABLE, ST LTG, 600 V, 1/0#10	72	FOOT



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Developed For:
CITY OF GRAND LEDGE
310 GREENWOOD STREET
GRAND LEDGE, MI 48837
(517) 627-2149

STREETLIGHT IMPROVEMENT PLAN
(16+25 - 22+00)
GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
EATON COUNTY
MICHIGAN

Date: 04/25/23
Scale: AS SHOWN
Sheet: 8 of 9
Project: 202356.00
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BASE B/D

ITEM OF WORK	QUANTITY	UNIT
LUMINAIRE, REM	16	EACH
LUMINAIRE, INSTALLATION, TYPE A	8	EACH
LUMINAIRE, INSTALLATION, TYPE B	8	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	12	EACH
CABLE, ST LTG, REM	256	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10	128	FOOT
CABLE, ST LTG, 600 V, 1/C#10	128	FOOT

ADD ALTERNATE #2

ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	384	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10	192	FOOT
CABLE, ST LTG, 600 V, 1/C#10	192	FOOT

ADD ALTERNATE #1

ITEM OF WORK	QUANTITY	UNIT
BAND, SIGN	2	EACH
SIGN, TYPE III, REM	1	EACH
SIGN, TYPE III, ERECT, SALV	1	EACH
LUMINAIRE, REM	6	EACH
LUMINAIRE, INSTALLATION, TYPE B	6	EACH
ST LTG, POLE, CLEAN AND COAT, BLACK	6	EACH
CABLE, ST LTG, REM	96	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10	48	FOOT
CABLE, ST LTG, 600 V, 1/C#10	48	FOOT

ADD ALTERNATE #3

ITEM OF WORK	QUANTITY	UNIT
CABLE, ST LTG, REM	184	FOOT
CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10	92	FOOT
CABLE, ST LTG, 600 V, 1/C#10	92	FOOT

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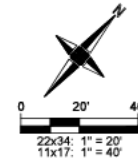


ADD ALTERNATE #1
 ITEM OF WORK
 BAND, SIGN
 SIGN, TYPE III, REM
 SIGN, TYPE III, ERECT, SALV
 LUMINAIRE, REM
 LUMINAIRE, INSTALLATION, TYPE A
 LUMINAIRE, INSTALLATION, TYPE B
 ST LTG, POLE, CLEAN AND COAT, BLACK
 CABLE, ST LTG, REM
 CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10
 CABLE, ST LTG, 800 V, 1/C#10

QUANTITY UNIT
 2 EACH
 1 EACH
 1 EACH
 20 EACH
 12 EACH
 8 EACH
 14 EACH
 320 FOOT
 180 FOOT
 180 FOOT

ADD ALTERNATE #3
 ITEM OF WORK
 CABLE, ST LTG, REM
 CABLE, EQUIPMENT GROUNDING WIRE, 1/C#10
 CABLE, ST LTG, 800 V, 1/C#10

QUANTITY UNIT
 480 FOOT
 240 FOOT
 240 FOOT



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 Designer: J.R.W.
 Quality Control: S.A.R.
 Section: 11



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 Call before you dig.

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**STREETLIGHT
 IMPROVEMENT
 PLAN**

(22+00 - P.O.E.)

GRAND RENOVATIONS
 FOR DOWNTOWN
 GRAND LEDGE
 CITY OF GRAND LEDGE
 EATON COUNTY
 MICHIGAN

Date: 04/25/23
 Scale: AS SHOWN
 Sheet: 7 of 9
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STREET LIGHT POLE CATALOG OF WORK												
NO.	LOCATION		BASE BD	ADD ALTERNATE #1	LUMINAIRE TYPE		NUMBER OF LUMINAIRES		REPLACE ELECTRICAL CABLE (FT)		CLEAN & COATING (EA)	REMARKS
	STA	OFFSET			TYPE A	TYPE B	SINGLE	DOUBLE	ADD ALTERNATE #2	ADD ALTERNATE #3		
1	00+28	115' R		✓						20	✓	
2	00+45	28' R	✓		✓				40		✓	
3	00+45	28' L	✓						40		✓	
4	01+07	34' R	✓						20		✓	
5	01+11	34' L	✓						20		✓	
6	01+34	165' L		✓						20	✓	
7	01+58	34' R	✓		✓				20		✓	
8	01+58	34' L	✓						20		✓	
9	02+24	34' R	✓						20		✓	
10	02+31	34' L	✓						20		✓	
11	02+83	34' L	✓						20		✓	
12	02+95	34' R	✓						20		✓	
13	03+51	34' R	✓		✓				40		✓	
14	03+51	34' L	✓						40		✓	
15	03+78	81' R		✓						20	✓	
16	03+77	62' L		✓						20	✓	
17	03+78	217' L		✓						20	✓	
18	04+29	131' L		✓						20	✓	
19	04+41	131' R		✓						20	✓	SGN REMOVAL
20	04+55	32' R	✓		✓				40		✓	SGN REMOVAL
21	04+57	32' L	✓						40		✓	
22	05+12	33' R	✓						20		✓	
23	05+15	33' L	✓						20		✓	
24	05+20	32' L	✓						20		✓	
25	05+81	33' R	✓						20		✓	
26	06+34	32' L	✓						20		✓	
27	06+36	32' R	✓						20		✓	
28	06+95	32' L	✓						20		✓	
29	06+96	32' R	✓						20		✓	
30	07+59	32' R	✓						40		✓	
31	07+61	32' L	✓						40		✓	
32	08+14	49' R		✓							✓	CLOCK SUPPORTS
33	08+29	137' L	✓						20		✓	
34	08+31	72' R		✓						20	✓	
35	08+39	28' L	✓		✓				40		✓	
36	08+43	28' R	✓						40		✓	
37	08+45	140' R		✓						20	✓	
38	09+23	31' R	✓						20		✓	SGN REMOVAL
39	09+70	31' L	✓						20		✓	
40	10+17	31' R	✓						20		✓	
41	10+70	32' L	✓						20		✓	
42	11+19	33' R	✓						20		✓	
43	11+64	32' L	✓						20		✓	
44	12+12	32' R	✓						20		✓	
45	12+58	32' L	✓						20		✓	
46	13+06	32' R	✓						20		✓	
47	13+58	32' L	✓						20		✓	
48	14+00	32' R	✓						20		✓	
49	14+48	32' L	✓						20		✓	
50	15+04	130' R		✓						40	✓	
51	15+16	74' R		✓						40	✓	
52	15+35	35' L	✓		✓				40		✓	
53	15+45	34' R	✓						40		✓	SGN REMOVAL
54	15+50	131' R		✓						40	✓	
55	16+17	38' R	✓		✓				40		✓	
56	16+21	38' L	✓						40		✓	
57	16+80	37' L	✓						20		✓	
58	16+82	37' R	✓						20		✓	
59	17+43	37' R	✓						20		✓	
60	17+44	37' L	✓						20		✓	
61	18+04	37' L	✓						20		✓	
62	18+06	37' R	✓						20		✓	
63	18+67	37' L	✓						20		✓	
64	18+77	37' R	✓						20		✓	
65	19+31	37' R	✓						40		✓	
66	19+32	36' L	✓						40		✓	
67	19+56	62' L		✓						20	✓	
68	19+93	166' L		✓						20	✓	
69	19+95	87' L		✓						20	✓	
70	20+13	37' L	✓		✓				40		✓	



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CATALOG OF WORK
(1 OF 2)

GRAND RENOVATIONS FOR DOWNTOWN GRAND LEDGE
CITY OF GRAND LEDGE
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STREET LIGHT POLE CATALOG OF WORK (CONTINUED)												
NO.	LOCATION		BASE SD	ADD ALTERNATE #1	LUMINAIRE TYPE		NUMBER OF LUMINAIRES		REW/REPLACE ELECTRICAL CABLE (FT)		CLEAN & COATING (EA)	REMARKS
	STA	OFFSET			TYPE A	TYPE B	SINGLE	DOUBLE	ADD ALTERNATE #2	ADD ALTERNATE #3		
71	20+17	36' R	✓		✓		✓	✓	40		✓	
72	20+78	37' R		✓		✓			20		✓	
73	20+89	37' L		✓		✓			20		✓	
74	21+49	36' R		✓		✓			20		✓	SIGN REMOVAL
75	21+72	38' L		✓		✓			20		✓	
76	22+00	36' R		✓		✓			20		✓	
77	22+42	33' R		✓		✓			20		✓	
78	22+43	40' L		✓		✓			20		✓	
79	23+36	41' L		✓	✓			✓	40		✓	
80	23+37	33' R		✓		✓			40		✓	
81	24+07	30' R		✓	✓			✓	40		✓	
82	24+09	27' L		✓	✓			✓	40		✓	
83	24+54	26' L		✓		✓			20		✓	
84	24+63	30' R		✓		✓			20		✓	
85	25+17	28' L		✓		✓			20		✓	
86	25+45	30' R		✓		✓			20		✓	
87	25+87	26' L		✓		✓			20		✓	
88	26+03	29' R		✓	✓			✓	40		✓	
89	26+81	33' L		✓	✓			✓	40		✓	



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CATALOG OF
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