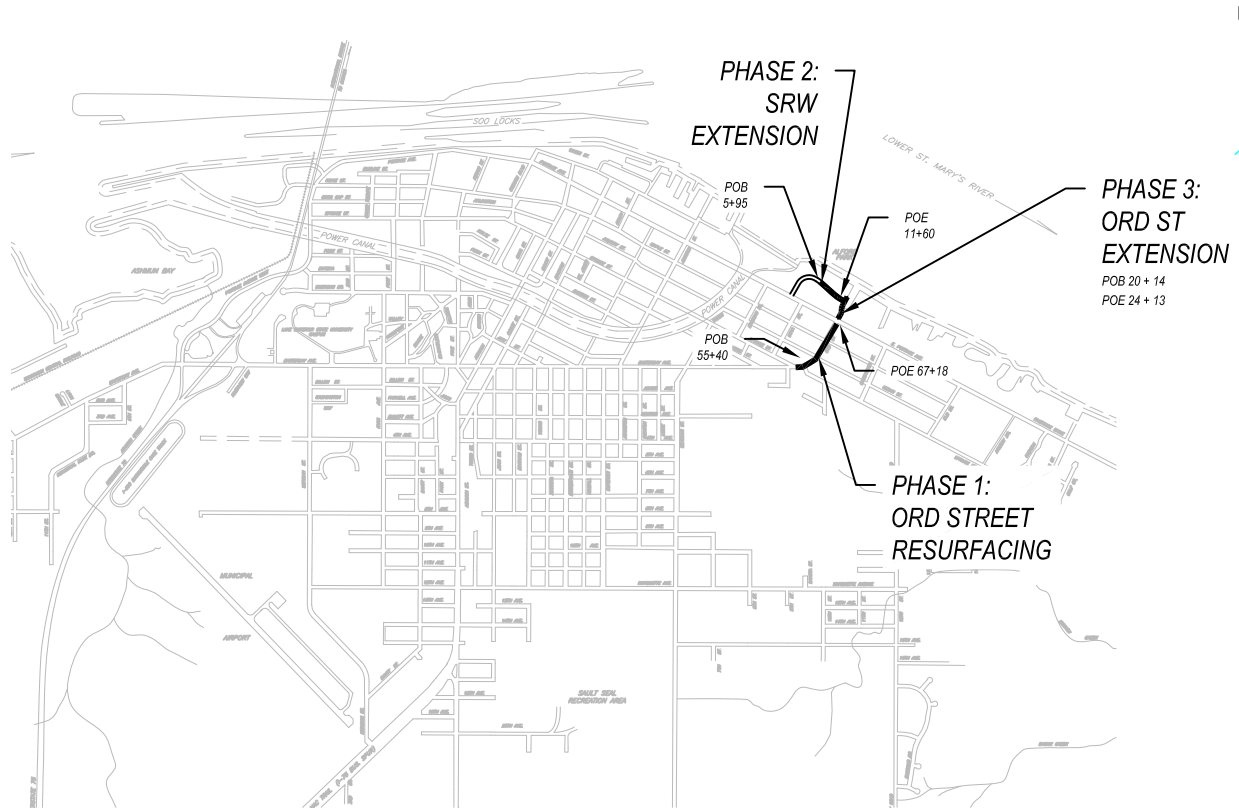


CITY OF SAULT STE. MARIE, MICHIGAN
PLANS FOR IMPROVEMENTS
SALMON RUN WAY / ORD STREET EXTENSION
AND ORD STREET PAVING PROJECT:

B-43-23



THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION. PHYSICAL ROAD NUMBER (PR#) & MILEPOST (MP) DATA ARE FROM MICHIGAN GEOGRAPHIC FRAMEWORK VERSION #17.

CONTRACT FOR:
 COLD MILLING, HMA PAVING, HMA APPROACH PAVING, SIDEWALK AND SIDEWALK RAMP INSTALLATION, CURB AND GUTTER REPLACEMENT, PERMANENT SIGNS AND PAVEMENT MARKING

CITY OF SAULT STE. MARIE
 PREPARED UNDER SUPERVISION OF

DAVID S. BOYLE, PE
 CITY ENGINEER



CITY OF
SAULT STE. MARIE, MI
ENGINEERING DEPARTMENT

225 EAST PORTAGE AVENUE
 SAULT STE. MARIE, MI 49783
 (906) 635-5261 FAX: (906) 635-5606

REVISIONS

NO.	BY	DATE

DRAWN BY: L. MILLER JR

APPROVED: D. BOYLE

SCALE: H: NA V: NA

FILE: COVER.DWG

DATE: 12/11/2023

DRAWER

■

SHEET

SUBJECT:

SALMON RUN WAY / ORD STREET
AND ORD STREET EXTENSION PAVING B-43-23
TITLE SHEET

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

For the protection of underground utilities and in conformance with Public Act 174 of 2013, the Contractor shall contact MISS DIG System, Inc. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 business days prior to excavating, excluding weekends and holidays.

SURVEY

ADJUSTING MONUMENT BOXES

All government corners on this project shall be preserved, whether shown or not. It may be necessary to place or adjust monument boxes, as required.

DETAILED GRADES

GRADES FOR INTERSECTIONS

All intersections are to be considered as complete units and their grades determined before construction is started.

UNSIGNALIZED SIDE ROAD TO TRUNK LINE INTERSECTIONS:

The normal edge of pavement grade of the proposed trunk line adjacent to the side road intersection shall be carried across the intersection. The side road approach grade and crown shall be established to provide for drainage.

EARTHWORK

SOIL EROSION MEASURES

Appropriate soil erosion and sedimentation control measures shall be in place prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer. Critical ditch grades shall be protected with either sod or seed/mulch or mulch blanket as directed by the Engineer.

PAVEMENT

PAVEMENT AND HMA SURFACE REMOVAL QUANTITIES

Pavement and HMA Surface removal as shown on the plans will be at the discretion of the Engineer. If in his/her judgment, areas of pavement may be left in place or additional areas added to provide the proper cross-section and base. Changes will be made in the quantities.

SIGNS

GENERAL

All signs shall be installed, removed and/or salvaged according to the current edition of "Michigan Manual on Uniform Traffic Control Devices" and the current edition of Michigan Department of Transportation (MDOT) "Standard Specifications for Construction."

All signs on the plans or in the log that do not have a recommendation are to be retained.

EXISTING SIGN RELOCATION

Any permanent signs requiring relocation due to Contractor operations shall be salvaged and reset by the Contractor at locations designated by the Engineer. Signs and posts damaged during the removal and storage operations shall be replaced with new signs and posts. The cost of this work shall be borne by the Contractor.

PROJECT SPECIFIC NOTES

PRINTER REQUIREMENT FOR SCALES

Scales utilized for weighing tonnage pay items shall be capable of providing a printed triplicate ticket for each truckload which meets the requirements of Section 109.01.B 6 of the 2020 Standard Specifications for Construction

Utility Contacts

UTILITY COMPANY	CONTACT PERSON(S)	PHONE NO.
CITY OF SAULT STE. MARIE Water & Sewer Department 1200 E. Easterday Avenue Sault Ste. Marie, MI 49783	Kirk Tews 989-631-0285 (cell)	906-632-8981
	Brian Masterson (906) 322-7422 (cell)	906-632-6940 FAX
DTE ENERGY / MICH CON GAS CO. Local Office: 1125 E. Easterday Avenue Sault Ste. Marie, MI 49783	Rich Ackerman 906-630-1066 (cell) richardackerman@dteenergy.com	906-632-3330
	Justin Fisher (906) 630-2133 Justin.fisher@dteenergy.com	906-632-3347 906-632-1378 FAX
	Todd DeWese	
Large Gas Service Requests	Zachary Kerfoot	Work: 231-932-284 Cell: 231-499-7331
Small Gas Service Requests	Jeannine Najmowicz	Work: 989-356-2499 Cell: 734-564-8618
Main Office: (Plan Reviews and Precon Mtgs.) 1250 Mich Con Lane, S.W. PO Box 279 Kalkaska, MI 49646	Matt Logan (public improvement coordinator) 231-463-5860 (cell) matthew.logan@dteenergy.com	231-258-3785 231-258-3786 FAX
CLOVERLAND ELECTRIC COOPERATIVE 2916 W. M-28 Dafter, MI 49724	Paul Warner	906-632-5152 906-632-5168 906-632-5450 FAX
	Johanna Wiltfong Easements & Permits jwiltfong@cloverland.com	906-632-5191 906-440-7571
	John Paquette Distribution jpaquette@cloverland.com	906-440-6196 (cell)
AT&T (SBC Ameritech) 310 W. 7th Avenue Sault Ste. Marie, MI 49783 (pre-con)	Mike Anderson (906) 440-4478 (cell) MA1421@att.com	906-632-9901 906-632-9973 FAX

(Plan Reviews and Precon Mtgs. & Broken Poles)	Jeff Collard (586)764-8260 Jc7632@att.com	
CHARTER COMMUNICATIONS CO. 2682 Ashmun Street Sault Ste. Marie, MI 49783	Matt Claycomb Const. Supervisor Cell (231) 463-1903 matt.claycomb@charter.com	989-671-7255
(Plan Reviews and Precon Mtgs.)	Craig Purple Const. Coord. II 906-440-1005 (cell) craig.purple@charter.com	906-748-8475
Main Office 359 U.S. 41 East Negaunee, MI 49866	Brian Koski Const. Coord. II 906-235-7801 (cell) brian.koski@charter.com	906-401-0639
Peninsula Fiber Network (PFN) 9984 W. State St. Brimley, MI 49715	Ron Deneve (906) 248-3211 rdeneve@jamadots.net	

Owners of Public Utilities will not be required by the City/Department to move additional poles or structures in order to facilitate the operation of construction equipment unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are extraordinarily dangerous to the Contractor's operations.

Refer to Division 1 of the Michigan Department of Transportation 2020 Standard Specifications for Construction related to coordination with existing utilities and their work.

NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the standard plan given below opposite each item unless otherwise indicated.

Title	Plan No.
ROAD	
DRAINAGE COVER K	R-12-E
CURB RAMP AND DETECTABLE WARNING DETAILS	R-28-K *
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-J *
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	R-100-I *
GRADING CROSS SECTIONS	R-105-D
WORK ZONE DEVICES	
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A *
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E *
"B", "D", AND "L" TABLES, CHANNELIZING DEVICE SPACING, SIGN BORDER KEY, AND ROLL-AHEAD SPACING	101-GEN- SPACING- CHARTS
LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY	110-TR-NFW-2L
TRAFFIC AND SAFETY STANDARD PLANS	
STANDARD SIGN INSTALLATION	SIGN-100-G *
STEEL POSTS	SIGN-200-D
PAVEMENT MARKING RECESSING DETAILS	PAVE-901-A
LONGITUDINAL LINE TYPES & PLACEMENT	PAVE-905-E
INTERSECTION, STOP BAR AND CROSSWALK MARKINGS	PAVE-945-C

*** Denotes Special Detail**

Log of Project

Estimated MISC Quantities

Mobilization, Max (10%)	1	LSUM
Contractor Staking	1	LSUM
Erosion Control, Inlet Protection, Fabric Drop	13	Ea
Minor Traf Devices	1	LSUM
Traf Regulator Control	1	LSUM
Watering and Cultivating, First Season, Min	1	LSUM

Log of Project

Project Location (Ord Street)

This project is located on Ord Street in Chippewa County. The point of beginning (POB) is station 55+40, which is the easterly edge of the intersection with East Spruce Street, thence in a northeasterly direction 0.223 miles to the point of ending (POE) at station 67+18, which is approximately the southern edge of the intersection of I-75 Business Spur (East Portage Avenue).

Intersecting Roads

The mile points for the intersecting streets are approximate and were taken from the old plans and the control section mileage log. The mile points for the POB and POE are also approximate and their exact locations will be marked in the field by the Engineer.

<u>Station</u>	<u>Mile Point</u>	<u>Description</u>
55+40	0.0	POB (East Spruce Street)
57+55	0.040	East Spruce Street
60+40	0.094	Cedar Street
63+70	0.157	Maple Street
67+18	0.223	POE (I-75 Business Spur)

Overall Description of Work

Work includes cold milling existing HMA surface in designated areas, HMA surface overlay of the existing HMA surface, concrete curb and gutter replacement in designated areas, sidewalk ramps at intersecting municipal streets will be updated to meet ADA standards, and pavement markings.

Mainline Work

Cold mill the existing HMA surface from curb to curb. Adjust drainage structures to match the new roadway surface and repair by adding extra depth as directed by the Engineer. Place HMA, 4EML according to the typical cross sections. Curb and gutter will remain in areas where it is present. In areas where no curb and gutter are present, place HMA, 4EML according to the typical cross sections. Place HMA, Approach on existing HMA approach intersections in accordance with the miscellaneous details. Sidewalk will be removed and replaced as marked in the field.

Estimated Quantities

Dr Structure Cover, Adj, Case 1	10	Ea
Dr Structure Cover, Type K	6	Ea
Dr Structure, ADA Compliant	3	Ea
Cold Milling HMA Surface	3879	Syd
Hand Patching	20	Ton
HMA Approach	50	Ton
HMA, 4EML	568	Ton
Gate Box, Adj, Case 1	14	Ea
Sidewalk, Conc, 4 Inch	6149	Sft

Sidewalk, Conc, 6 Inch	973	Sft
Sidewalk, Remove	1911	Syd
Pavt, Rem	117	Syd
Approach, CI 1, 6 Inch	117	Syd
Excavation, Earth	100	Cyd
Embankment, CIP	100	Cyd
Subbase, CIP	125	Cyd

Maintaining Traffic and Permanent Traffic Control Devices

Traffic shall be maintained according to the 2020 MDOT Standard Specifications for Construction, the Special Provision for Traffic Control and Pavement Markings, the 2011 Michigan Manual for Uniform Traffic Control Devices, and the Maintaining Traffic Typicals in this proposal. Replace all pavement markings to match existing pavement markings unless otherwise directed by Engineer. Replace all permanent signs in accordance with the pavement markings and signage plan sheet included within this document.

Estimated Permanent Pavement Marking Quantities

Pavt Mrkg, Polyurea, 6 inch, Crosswalk	387	Ft
Pavt Mrkg, Polyurea, 12 inch, Crosswalk	120	Ft
Pavt Mrkg, Polyurea, 24 inch, Stop Bar	63	Ft
Pavt Mrkg, Polyurea, 4 inch, Yellow	2,335	Ft
Recessing Pavt Mrkg, Longit	2,335	Ft
Recessing Pavt Mrkg, Transv	440	Ft
Sign, Type IIIB	88	Sft
Post, Steel, 3 Lb	360	Ft

ADA Sidewalk Ramp & Curb and Gutter Work

American's with Disabilities Act (ADA) compliant sidewalk ramps will be constructed at designated municipal streets in accordance with Standard Plan R-28 Series and the 2020 Standard Specifications for Construction. Construct temporary paths and ramps for channelizing pedestrians around the work areas according to the Special Provisions contained in this proposal and as directed by the Engineer.

Estimated Quantities per Location

Sidewalk Ramp Location (Street - Quadrant)	Pay Item						
	Curb & Gutter, Rem (Ft)	Sidewalk, Rem (Syd)	Sidewalk Ramp, Conc, 6 inch (Sft)	Detectable Warning Surface (Ft)	Curb, Conc, Det F4 (Ft)	Curb Ramp Opening, Conc (Ft)	Hand Patching (Ton)
East Spruce St - SW	20	6	60	6	0	20	2
East Spruce St - SE	50	47	420	12	26	24	3

East Spruce St - NE	14	10	90	6	0	14	2
Cedar St - NE	22	15	132	6	0	22	2
Cedar St - SW	20	16	150	6	0	20	2
Maple St – NE	23	21	193	6	0	23	2
Maple St – SE	20	14	126	6	0	20	2
Maple St - NW	14	9	84	6	0	14	2
Portage Ave	15	9	120	6	0	15	2

Total Estimated ADA Sidewalk Ramp & Curb and Gutter Quantities

Curb and Gutter, Rem	299	Ft
Sidewalk, Rem	150	Syd
Curb and Gutter, Conc, Det F4	80	Ft
Detectable Warning Surface	101	Ft
Curb Ramp Opening, Conc	199	Ft
Curb Ramp Conc, 6 inch	1810	Sft
_Slope Restoration, Modified	3749	Syd

Log of Project

Project Location (Salmon Run Way)

This project is located on Salmon Run Way as proposed to be extended in Chippewa County. The point of beginning (POB) is station 5+95, which is approximately 595' northeast from I-75 Business Spur (East Portage Avenue), which is the eastern terminus of Salmon Run Way that was constructed for Lake Superior State University Center for Freshwater Research and Education, thence in a northeasterly direction 0.107 miles to the point of ending (POE) at station 11+60, which is approximately the western edge of the proposed extension of Ord Street north of East Portage Avenue.

Intersecting Roads

The mile points for the intersecting streets are approximate and were taken from the old plans and the control section mileage log. The mile points for the POB and POE are also approximate and their exact locations will be marked in the field by the Engineer.

<u>Station</u>	<u>Mile Point</u>	<u>Description</u>
5+95	0.000	POB (Existing Terminus Salmon Run Way)
11+60	0.107	POE (Proposed Ord St Extension)

Overall Description of Work

Work includes mainline HMA surface paving, concrete curb and gutter replacement in designated areas, sidewalk installation, sidewalk ramps at intersecting municipal streets will be updated to meet ADA standards, and pavement markings.

Mainline Work

Place HMA, 4EML according to the typical cross sections. Place HMA, Approach to pave the parking lot according to attached plans. Curb and gutter will remain in areas where it is present. Place sidewalk in accordance with plans and as staked.

Estimated Quantities

[illegible]

Maintaining Traffic and Permanent Traffic Control Devices

Traffic shall be maintained according to the 2020 MDOT Standard Specifications for Construction, the Special Provision for Traffic Control and Pavement Markings and the Maintaining Traffic Typical in this proposal. Replace all pavement markings to match existing pavement markings unless otherwise directed by Engineer.

Estimated Permanent Pavement Marking Quantities

Pavt Mrkg, Polyurea, 6 inch, Crosswalk	100	Ft
Recessing Pavt Mrkg, Transv	100	Sft
Pavt Mrkg, Polyurea, 4 inch, White	150	Ft
Recessing Pavt, Mrkg, Longit	150	Ft

ADA Sidewalk Ramp & Curb and Gutter Work

American's with Disabilities Act (ADA) compliant sidewalk ramps will be constructed at designated municipal streets in accordance with Standard Plan R-28 Series and the 2020 Standard Specifications for Construction. Construct temporary paths and ramps for channelizing pedestrians around the work areas according to the Special Provisions contained in this proposal and as directed by the Engineer.

Estimated Quantities per Location

Sidewalk Ramp Location (Street - Quadrant)		Pay Item				
	Curb & Gutter, Rem (Ft)	Sidewalk, Rem (Syd)	Sidewalk Ramp, Conc, 6 inch (Sft)	Detectable Warning Surface (Ft)	Curb, Conc, Det C4 (Ft)	Curb Ramp Opening, Conc (Ft)
STA 5 + 95 - North	0	0	100	10	0	0
STA 5 + 95 - South	0	0	100	10	0	0

Total Estimated ADA Sidewalk Ramp & Curb and Gutter Quantities

Detectable Warning Surface	20	Ft
Sidewalk Ramp, Conc, 6 inch	200	Sft
_Slope Restoration, Modified	1225	Syd

Log of Project

Project Location (Ord Street Extension)

This project is located on Ord Street as proposed to be extended in Chippewa County. The point of beginning (POB) is station 20 + 14, which is the intersection of I-75 Business Spur (East Portage Avenue), thence in a northeasterly direction 0.075 miles to the point of ending (POE) at station 24+13, which is located approximately 399 feet north of I-75 Business Spur (East Portage Avenue).

Intersecting Roads

The mile points for the intersecting streets are approximate and were taken from the old plans and the control section mileage log. The mile points for the POB and POE are also approximate and their exact locations will be marked in the field by the Engineer.

<u>Station</u>	<u>Mile Point</u>	<u>Description</u>
20+14	0.0	POB (I-75 Business Spur)
23+20	0.057	Salmon Run Way
24+13	0.075	POE (399 Ft North of I-75 Business Spur)

Overall Description of Work

Work includes mainline HMA surface paving, concrete curb and gutter replacement in designated areas, sidewalk installation, sidewalk ramps at intersecting municipal streets will be updated to meet ADA standards, and pavement markings.

Mainline Work

Place HMA, 4EML according to the typical cross sections. Curb and gutter will remain in areas where it is present. Place HMA, Approach on proposed HMA drive approaches adjacent to mainline paving in accordance with the miscellaneous details. Place sidewalk in accordance with plans and as staked.

Estimated Quantities

Machine Grading Modified	6	Sta
Sidewalk, Conc, 4 Inch	2410	Ft
Hand Patching	152	Ton
HMA Approach	75	Ton
HMA, 4EML	408	Ton
Gate Box, Adj, Case 1	2	Ea
Driveway Opening, Conc, Det M	46	Ft
Curb and Gutter, Conc, Det C6	20	Ft

Maintaining Traffic and Permanent Traffic Control Devices

Traffic shall be maintained according to the 2020 Standard Specifications for Construction, the Special Provision for Traffic Control and Pavement Markings and the Maintaining Traffic Typicals in this

proposal. Replace all pavement markings to match existing pavement markings unless otherwise directed by Engineer.

Estimated Permanent Pavement Marking Quantities

Pavt Mrkg, Polyurea, 6 inch, Crosswalk	164	Ft
Pavt Mrkg, Polyurea, 24 inch, Stop Bar	100	Ft
Recessing Pavt Mrkg, Transv	282	Sft
Sign, Type IIIA	9	Sft
Sign, Type IIIB	7	Sft
Post, Steel, 3 lb	46	Ft

ADA Sidewalk Ramp & Curb and Gutter Work

American's with Disabilities Act (ADA) compliant sidewalk ramps will be constructed at designated municipal streets in accordance with Standard Plan R-28 Series and the 2020 Standard Specifications for Construction. Construct temporary paths and ramps for channelizing pedestrians around the work areas according to the Special Provisions contained in this proposal and as directed by the Engineer.

Estimated Quantities per Location

Sidewalk Ramp Location (Street - Quadrant)	Pay Item					
	Curb & Gutter, Rem (Ft)	Sidewalk, Rem (Syd)	Curb Ramp, Conc, 6 inch (Sft)	Detectable Warning Surface (Ft)	Curb, Conc, Det C4 (Ft)	Curb Ramp Opening, Conc (Ft)
East Portage Ave - NW	0	0	210	16	0	0
East Portage Ave - NE	0	0	210	16	0	0
East Portage Ave - NW	15	9	120	6	0	15

Total Estimated ADA Sidewalk Ramp & Curb and Gutter Quantities

Detectable Warning Surface	38	Ft
Sidewalk Ramp, Conc, 6 inch	540	Sft
_Slope Restoration, Modified	1225	Syd
Curb & Gutter, Rem	15	Ft
Sidewalk, Rem	9	Syd
Curb Ramp Conc, 6 Inch	550	Syd