

LAKE HURON

 = Phase I Project Locations
 = Phase II Project Locations

OSCODA TOWNSHIP
AU SABLE TOWNSHIP

OSCODA

CONCEPTUAL ESTIMATE OF COST

**EAST SIDE WATER MAIN EXTENSIONS
OSCODA CHARTER TOWNSHIP
IOSCO COUNTY, MICHIGAN**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
<u>Oscoda Street West - Cedar Lake Rd to Cul-de-Sac</u>					
1.	890	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$117,480.00
<i>Sub-Total - Oscoda St. West</i>					\$117,480.00
<u>Van Ettan Drive - Cul-de-Sac to Cul-de-Sac</u>					
2.	760	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$100,320.00
Note: Contingent upon Oscoda Street West connection to Cedar Lake Rd, otherwise add 750 Lin. Ft.					
<i>Sub-Total - Van Ettan Dr.</i>					\$100,320.00
<u>Oak Lane - Cedar Lake Rd to Cul-de-Sac</u>					
3.	2,700	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$356,400.00
4.	1	LS	Railroad Crossing	\$12,000.00	\$12,000.00
<i>Sub-Total - Oak Ln.</i>					\$368,400.00
<u>Oscoda Street East - Cedar Lake Rd to N. Huron Rd/US-23</u>					
5.	830	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$109,560.00
6.	1	LS	US-23 Connection, Tapping Sleeve & Valve	\$8,000.00	\$8,000.00
<i>Sub-Total - Oscoda St. East</i>					\$117,560.00
<u>Valley Dr. - Oscoda St. East to End</u>					
7.	275	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$36,300.00
<i>Sub-Total - Valley Dr.</i>					\$36,300.00
Note: Contingent upon Oscoda Street East connection to Cedar Lake Rd, otherwise add 375 Lin. Ft.					
<u>Beech Street - Cedar Lake Rd to N. Huron Rd/US-23</u>					
8.	790	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$104,280.00
9.	1	LS	US-23 Connection, Tapping Sleeve & Valve	\$8,000.00	\$8,000.00
<i>Sub-Total - Beech St.</i>					\$112,280.00
<u>Green Street - Oscoda St. to Beech St.</u>					
10.	375	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$49,500.00
Note: Contingent upon Beech or Oscoda connection to Cedar Lake Rd, otherwise add 250 Lin. Ft.					
<i>Sub-Total - Green St.</i>					\$49,500.00
<u>Lake Road - N. Huron Rd/US-23 to Cul-de-Sac</u>					
11.	1,960	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$258,720.00
12.	1	LS	US-23 Crossing	\$15,000.00	\$15,000.00
13.	1	LS	US-23 Connection, Tapping Sleeve & Valve	\$8,000.00	\$8,000.00
<i>Sub-Total - Lake Rd.</i>					\$281,720.00

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
<u>Elk Lane - N. Huron Rd/US-23 to Cul-de-Sac</u>					
14.	800	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$105,600.00
15.	1	LS	US-23 Crossing	\$15,000.00	\$15,000.00
16.	1	LS	US-23 Connection, Tapping Sleeve & Valve	\$8,000.00	\$8,000.00
<i>Sub-Total - Elk Ln.</i>					<u>\$128,600.00</u>
<u>Norway St./Ridge Rd./Interlake Dr. Loop - from/to N. Huron Rd/US-23</u>					
17.	3,710	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$489,720.00
18.	2	LS	US-23 Crossing	\$15,000.00	\$30,000.00
19.	2	LS	US-23 Connection, Tapping Sleeve & Valve	\$8,000.00	\$16,000.00
<i>Sub-Total - Norway/Ridge/Interlake Loop</i>					<u>\$535,720.00</u>
<u>Hickory Road - Cedar Lake Rd to Interlake Dr.</u>					
20.	950	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$125,400.00
<i>Sub-Total - Hickory Rd.</i>					<u>\$125,400.00</u>
<u>Interlake Drive - Cedar Lake Rd to Loud Dr.</u>					
21.	1,370	Lin. Ft.	12" P.V.C. Water Main	\$175.00	\$239,750.00
22.	1	LS	Railroad Crossing	\$12,000.00	\$12,000.00
<i>Sub-Total - Interlake Dr.</i>					<u>\$251,750.00</u>
<u>Loud Drive - Cedar Lake Rd to South Side of Phelan Creek</u>					
23.	3,600	Lin. Ft.	12" P.V.C. Water Main, north of Interlake	\$175.00	\$630,000.00
24.	2,300	Lin. Ft.	8" P.V.C. Water Main, south of Interlake	\$132.00	\$303,600.00
25.	1	LS	Railroad Crossing	\$12,000.00	\$12,000.00
<i>Sub-Total - Loud Dr.</i>					<u>\$945,600.00</u>
<u>Woodland Drive - Loud Dr to Cul-de-Sac</u>					
26.	1,580	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$208,560.00
<i>Sub-Total - Woodland Dr.</i>					<u>\$208,560.00</u>
<u>Washington Avenue to Fullerton Street extension</u>					
27.	370	Lin. Ft.	8" P.V.C. Water Main	\$132.00	\$48,840.00
<i>Sub-Total - Washington Ave./Fullerton St. Extension</i>					<u>\$48,840.00</u>

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
SUB-TOTAL CONSTRUCTION COSTS					\$3,428,030.00
Contingencies of Construction Only, 10%					<u>\$343,970.00</u>
TOTAL CONSTRUCTION COSTS					\$3,772,000.00
Planning/Financial Assistance					\$30,000.00
Design/Bidding/Construction Admin/Inspection					\$679,000.00
Legal and Bond Counsel					\$57,000.00
Legal Fees for Easement Preparation, Title Company Fees, Easement Recording Fees					\$50,000.00
Township Administration					\$151,000.00
Inflation					\$151,000.00
Environmental Management - AKT Peerless					\$50,000.00
CONCEPTUAL ESTIMATE OF COST					\$4,940,000.00
<u>Assumptions:</u>					
This estimate assumes typical construction of individual copper water service leads to the right-of-way of each customer.					
This estimate assumes a 12" water main on Loud Drive to provide fire flow protection.					
<u>Not Included:</u>					
Easement Purchases					\$0.00
Survey of Private Roads/Parcels for Easement Purposes					\$0.00
Authority/Permit Fees					\$0.00
Soil Borings					\$0.00
Meters or Master Meter Structures					\$0.00
Work outside the Right of Way					\$0.00

Spicer
group
October 2017

Phase I Water Main Extension Project Update

(Rose Lane, Forest Drive, Van Etten Dam Road)

- Project Area: Rose Lane, Forest Drive, Van Etten Dam Road
- Funding Source: USDA EWAG Grant
- Amount: \$500,000

Status:

- The project is now in the final easement acquisition phase
- Forest/Rose Lane 10 of the 12 easements needed are secured
- Van Etten Dam Road 2 of the 12 easements needed are secured
- Bidding will occur when permit and easements are in place
- Construction- As soon as Spring of 2018 depending on legal status of easements

Phase II Water Main Extension for the expanded area of alternate water as defined by the State Health Department and DEQ in August 2016

- A conceptual cost estimate has been completed for the expanded area. The project is estimated at \$4.9 million.
- In an effort to secure funding for area defined in Phase II of the water main extension a pre-application with the USDA Water & Waste Loans/Grants Program has been submitted by the Township. The maximum amount of grant that **can be** awarded from this program is 75% of project costs, the Township is currently trying to secure sources to provide the funds to cover the part of the project that will not be covered by the grant award.
- It is estimated that easements will be necessary for this project.
- Construction- Unknown at this time