

September 13, 2019
 2150046

Mr. Rod Weersing
 Georgetown Charter Township
 PO Box 769
 Jenison, MI 49429

RE: Port Sheldon Street Non-Motorized Path/Sidewalk (48th Avenue to 40th Avenue)
 Georgetown Charter Township

Dear Rod:

Below are project estimates for the construction of either an 8' wide bituminous path on the south side of Port Sheldon Street, or 5' wide concrete sidewalk on both the north and south side of Port Sheldon Township. It is our understanding that this project would be completed with road improvements proposed for 2020 which include reconstructing the road to three lanes. In addition, the Township has requested that we include storm sewer costs that would pick up drainage for the road, sidewalk, and adjacent properties that drain to the road currently. The storm sewer would be a Chapter 20 County drain.

Non-Motorized Path Option

Description	Quantity	Unit	Unit Price	Amount
8' Wide Bituminous NMP	4800	l.f.	\$ 40	\$ 192,000
Grading	4800	l.f.	\$ 35	\$ 168,000
Storm Sewer	4500	l.f.	\$ 100	\$ 450,000
10' Wide Boardwalk	500	l.f.	\$ 700	\$ 350,000
Retaining Wall	5000	s.f.	\$ 50	\$ 250,000
Fence	700	l.f.	\$ 50	\$ 35,000
Estimated Construction Cost				\$ 1,445,000
Engineering and Contingency				\$ 370,500
Estimated Project Cost				\$ 1,815,500

Storm sewer leads and structures were not added for the north side of the road.

Concrete Sidewalk Option

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
5' Wide Concrete SW	9400	l.f.	\$ 27	\$ 253,800
Grading	9400	l.f.	\$ 25	\$ 235,000
Storm Sewer	5700	l.f.	\$ 100	\$ 570,000
7' Wide Boardwalk	1200	l.f.	\$ 550	\$ 660,000
Retaining Wall	7000	s.f.	\$ 50	\$ 350,000
Fence	800	l.f.	\$ 50	\$ 40,000
Estimated Construction Cost				\$ 2,108,800
Engineering and Contingency				\$ 527,200
Estimated Project Cost				\$ 2,636,000

Assumes main storm on south side and some leads to north side of road.

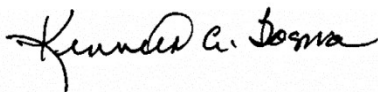
Following are some of the comments we have with regard to the project the Township should consider:

- The above costs do not include any costs for easement acquisition, if needed.
- It should be noted that reviewing the County GIS and available construction records from the Township, it appears that the west portion of Port Sheldon Street is offset to the north possibly leaving little room to construct on the north side of the road if it stays in the same location.
- For this cost estimate, it was assumed that the storm sewer would be constructed on the south side of the road under the path/sidewalk. Normally the location of the storm sewer is in the center of the right-of-way. We did not include any road removal or replacement for construction of the storm sewer.
- We believe there are several locations that may be considered wetlands or floodplains; therefore, some boardwalk was included. This will need to be reviewed at time of design.

If you have questions or comments regarding the above, please feel free to call me.

Sincerely,

Prein&Newhof



Kenneth A. Bosma, P.E.

KAB/kab