



Real People. Real Solutions.

7533 Sunwood Drive NW
Suite 206
Ramsey, MN 55303-5119

Ph: (763) 433-2851
Fax: (763) 427-0833
Bolton-Menk.com

September 26, 2022

Mr. Bruce Westby, P.E.
City Engineer/Interim Public Works Director
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: City of Ramsey - The COR – Public Infrastructure Analysis

Dear Mr. Westby:

In response to our recent meeting related to The COR, we have prepared a scope of services and fee estimate for analysis associated with public infrastructure for the following improvements:

- Ramsey Parkway from Willemite Street to Sunwood Drive (Roundabout),
- Zeolite Street from Sunwood Drive to Bunker Lake Boulevard,
- Yolite Street from Sunwood Drive to Ramsey Parkway,
- Center Street Realignment,
- Veterans Drive between Rhinestone Street and Ramsey Boulevard,
- The Waterfront Pond and Park Area,
- Filling of stormwater ponds in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection, and
- Filling of a wetland in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection.

We will draw from the initial concepts and strategies that were detailed in the Center Street report and The COR report. Our proposal is based upon carrying these concepts and principals forward into the new analysis, with an updated project cost estimate for the work. Each street segment analyzed will include public utilities (sanitary sewer and water main), along with storm sewer, trails and sidewalks.

The material generated from the regional storm water retention pond can be used as fill for the remaining undeveloped portion of The COR. We will analyze the amounts of fill required for each lot and will make estimates for how much material will be generated from excavation of the Waterfront.

See attached figure for the general area of the analysis.

CONSTRUCTION COST ESTIMATES

Previous analyses presented project costs associated with the street and public utility related improvements. Those amounts were based on 2018 construction costs, and included a 30 percent allowance for contingencies and project development. No costs were included in The COR report for the Waterfront. Based on conversations with the City, the work will most likely consist of the following:

- Clear and grub the area of The COR bounded by Sunwood Drive, Bunker Lake Boulevard, Armstrong Boulevard and Center Street,
- Strip off topsoil for the above area and stockpile the material,
- Dewater the area to allow for deep excavations to occur,
- Excavate the pond, placing the material in locations identified within The COR,
- Place a 2 ft thick clay liner in the pond from the bottom up to the normal water level,
- Fine grade the area of the regional stormwater retention pond, and
- Revegetate all areas disturbed by construction.

We will provide construction cost estimates associated with the improvements.

SCOPE OF SERVICES

Our anticipated scope of services will be as follows:

- Complete a drone flight of the area to provide a current aerial image of the area. The drone flight will provide a level of accuracy of 0.1 ft horizontal and 0.3 ft vertical. This will allow for accurate estimations of excavations and fill volumes required to construct the Waterfront and move the material to adjacent lots within The COR area.
- Update the stormwater model to analyze elevations within the Waterfront and impacts associated with filling existing stormwater ponds across The COR.
- Analyze the potential for filling the wetland that was created in the southeast quadrant of Bunker Lake Boulevard and Armstrong Boulevard. This will be completed under a separate contract and the results will be discussed in the updated report.
- Analyze previous report assumptions and update proposed horizontal and vertical elevations associated with the roadways and public utilities within The COR area. Develop current construction cost estimates based on the analysis.
- Prepare a report detailing the findings of our analyses. This will likely be in the form of an update to previously prepared reports.

No geotechnical analysis will be performed for the project, although previous soil borings completed for the area will be reviewed.

SUMMARY OF FEES

We have prepared preliminary fee estimates based on our understanding of the work to be performed. We estimate fees will be as presented below:

<u>Task</u>	<u>Fees</u>
Drone Flight	\$ 2,880.00
Stormwater Analysis	\$ 7,200.00
Roadway and Public Utility Analysis	\$ 9,680.00
<u>Report preparation, Including Figures</u>	<u>\$ 4,420.00</u>
Not-To-Exceed Fees	\$24,180.00

The fees in the above table represent not-to-exceed costs based on the scope present above.

Mr. Bruce Westby, P.E.
September 26, 2022
Page 3 of 3

If there are any questions or concerns, please call me at (651) 968-7760.

Sincerely,

Bolton & Menk, Inc.

A handwritten signature in blue ink that reads "Kevin P. Kielb". The signature is written in a cursive style with a long horizontal stroke at the end.

Kevin P. Kielb, P.E.
Project Manager

Attachment: Area of Analysis

