



Real People. Real Solutions.

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June 20, 2017

Mr. Bruce Westby, P.E.
City Engineer
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: Proposal for Engineering Services
Bunker Lake Boulevard and Puma Street Improvement Project

Dear Mr. Westby:

We appreciate the opportunity to present this scope of services for the Bunker Lake Boulevard and Puma Street Improvement project. Our scope and fees were prepared based on our understanding of the project and our previous experience in delivering State Aid projects.

SCOPE

The improvements will be generally as described in our December 3, 2015 report for the Future Business Park. The phasing will be as generally described in our March 2017 Update Report. The improvements will consist of the following items as presented in the above reports and depicted on the attached figure:

- Bunker Lake Boulevard construction will begin at the easterly limits of Phase 1A, with pavement and striping tapers to the east.
- Bunker Lake Boulevard sanitary sewer and watermain trunk utilities are not included in this scope, as they are being completed by the City under a separate contract.
- Puma Street construction will include the Phase 1B area only, with a taper transition north of Phase 1B.
- No trail will be constructed along the east side of Puma Street at this time, avoiding the need for right of way acquisition from parcels along the east side of the roadway.
- Puma Street utility construction will include extending sanitary sewer and watermain from Bunker Lake Boulevard to the northerly Phase 1B limits. A sanitary sewer lift station will be installed at the low area of Puma Street.
- The Bunker Lake Boulevard and Puma Street intersection will most likely be constructed as a Tee intersection, with the third leg being an access to the property to the west.
- A site plan is being developed for the property west of Puma Street. We have assumed we will receive AutoCAD files of the site plan for incorporation into our design.

Construction costs associated with the improvements described above are estimated at approximately \$2,500,000, which includes a 10 percent contingency.

CONSTRUCTION SEQUENCE

To facilitate construction of the public utilities in 2017, the project will be split into two bid packages. Generally, the first bid package will include:

- Construction of trunk water main and sanitary sewer along Puma Street,
- Construction of the sanitary sewer lift station, and
- Temporary gravel resurfacing of Puma Street.

This bid package will be prepared, bid, awarded and constructed in 2017.

The second bid package will include roadway improvements. The preliminary design will be completed along with the first bid package to ensure the utilities are constructed to match future roadway grades. The remaining design, permitting, and State Aid approvals will then occur through the winter of 2017/2018. Bidding and award will occur early 2018, followed by construction in the spring and summer.

SCHEDULE

We understand the importance of delivering this project to allow for public utility construction to be completed in the fall of 2017. Our understanding of the proposed schedule is as follows:

<u>Task</u>	<u>Date</u>
City Council Action (Authorize Plans)	June 27, 2017
Authorization to Begin Surveying and Design Services	June 28, 2017
Survey Complete	July 7, 2017
Design of Bid Package 1 Complete	August 18, 2017
City Council Approves Plans and Orders Bids – Bid Package 1	August 22, 2017
Public Bid Opening – Bid Package 1	September 19, 2017
City Council Accepts Bids / Awards Contracts – Bid Package 1	September 26, 2017
Begin Construction – Bid Package 1	October 2, 2017
Substantial Completion – Bid Package 1	November 17, 2017
City Council Approves Plans and Orders Bids – Bid Package 2	January 23, 2018
Public Bid Opening – Bid Package 2	February 20, 2018
City Council Accepts Bids / Awards Contracts – Bid Package 2	February 27, 2018
Begin Construction – Bid Package 2	May 14, 2018
Substantial Completion – Bid Package 2	June 29, 2018
Final Completion – All Bid Packages	July 27, 2018

PERMITTING AND APPROVALS

Bid Package 1 work will require permits as follows:

- Minnesota Department of Health (Water Main Installation)
- Minnesota Pollution Control Agency (Sanitary Sewer Extension)
- MPCA (NPDES – Construction Stormwater General Permit)

Bid Package 2 work will require the following permits:

- State Aid Approvals
- Lower Rum River Watershed Management Organization (Stormwater and Erosion Control)
- MPCA (NPDES – Construction Stormwater General Permit)

In addition to the above permitting, easements will most likely be required from adjacent landowners for ponding and siting of the sanitary sewer lift station.

FEES

We have attached a fee spreadsheet depicting hours, rates, and total compensation on a per task basis. We are proposing to enlist Northern Technologies for geotechnical services and Barr Engineering for electrical and control work related to the lift station.

Our proposed fees for the work are as follows:

<u>Task</u>	<u>Fees</u>
Topographical Surveys (all improvements)	\$ 16,680
Bid Package 1	\$ 88,100
Bid Package 2	\$121,732
Total all Bid Packages	\$226,512

If there are any questions related to the scope and/or fee portion of this submittal, please call me at (651) 968-7760.

Sincerely,

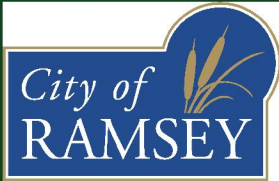
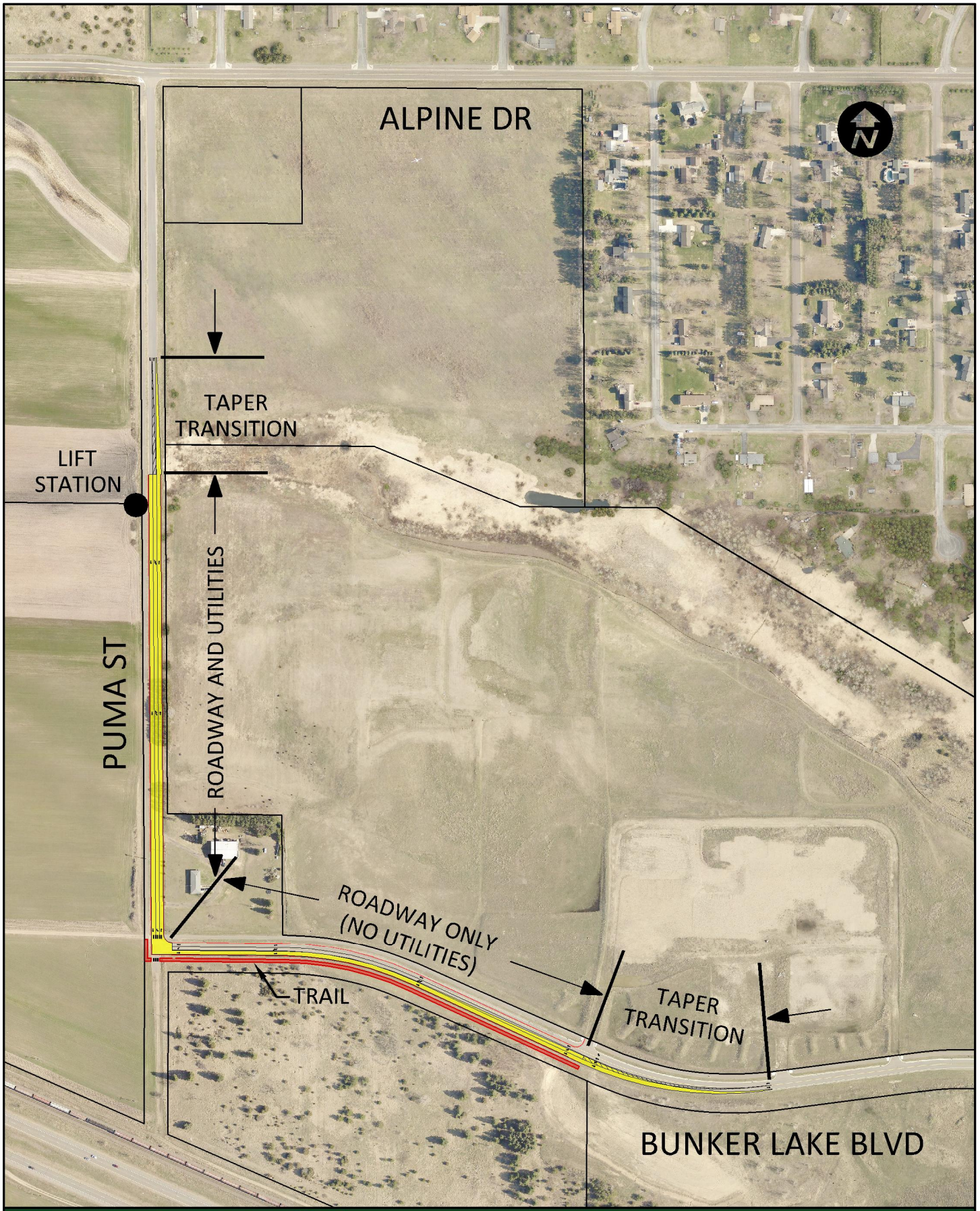
Bolton & Menk, Inc.



Kevin P. Kielb, P.E.
Project Manager

ATTACHMENTS

Improvements Exhibit
Fee Spreadsheet



FUTURE BUSINESS PARK
CITY OF RAMSEY, MINNESOTA

FIGURE 1
MAY, 2017



Fee Proposal

CLIENT: City of Ramsey								BOLTON & MENK, INC.	
PROJECT: Bunker Lake Boulevard and Puma Street									

WORK TASK DESCRIPTION	Project Manager	Senior Designer	Designer	Traffic Engineer	Technician	Surveyor	Clerical	Total Hours	Cost
<i>Average Hourly Rate</i>	\$168	\$136	\$115	\$150	\$120	\$130	\$70		

Topographical Surveys										
0.1	Topographical Surveys (Roadway)	1	2	2	0	20	40	1	66	\$8,340
0.2	Topographical Surveys (Public Utilities)	1	2	2	0	20	40	1	66	\$8,340
TOTAL Preliminary Surveys		1	2	2	0	20	40	1	66	\$16,680

Bid Package 1										
1.1	Preliminary Roadway Design	16	40	16	8	0	0	2	82	\$11,308
1.2	Preliminary Stormwater Design and Analysis	2	4	8	0	4	0	2	20	\$2,420
1.3	Trunk Utility Design (Sanitary Sewer and Water)	24	60	24	0	20	0	6	134	\$17,772
1.4	Sanitary Sewer Lift Station and Forcemain	8	32	40	0	40	0	8	128	\$15,656
1.5	Permitting	2	20	12	0	4	0	12	50	\$5,756
1.6	Bidding Services	4	16	8	0	0	0	8	36	\$4,328
1.7	Construction Staking	4	8	8	0	16	40	8	84	\$10,360
TOTAL Bid Package 1 - Bolton & Menk		60	180	116	8	84	40	46	534	\$67,600
									SUBCONSULTANT - Northern Technologies	\$4,000
									SUBCONSULTANT - Northern Technologies	\$4,000
									SUBCONSULTANT - Barr Engineering	\$12,500
TOTAL for Bid Package 1									\$88,100	

Bid Package 2										
2.1	Final Roadway Design	30	136	204	32	0	0	4	406	\$52,076
2.2	Storm Water Management and Design	8	32	80	0	8	0	8	136	\$16,416
2.3	Street Lighting	0	0	0	0	0	0	0	0	\$0
2.4	Reviews and Approvals	4	20	12	0	16	0	8	60	\$7,252
2.5	Permitting	2	20	12	0	4	0	12	50	\$5,756
2.6	Bidding Services	4	16	8	0	0	0	8	36	\$4,328
2.7	Construction Staking	12	8	16	0	32	200	16	284	\$35,904
TOTAL for Bid Package 2		60	232	332	32	60	200	56	972	\$121,732

TOTAL FEES - ALL BID PACKAGES - SURVEYING, DESIGN, CONSTRUCTION STAKING	\$226,512
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Represents Roadway Related Costs
 Represents Utility Related Costs