



City of Grand Forks Staff Report (UPDATED FEBRUARY 19, 2019)

APPROVED & ACCEPTED
by City Council
02/19/2019
Maureen Storstad
Maureen Storstad
City Auditor

Committee of the Whole – February 11, 2019
City Council – February 19, 2019

Agenda Item: ~~Plans, Specifications and~~ Engineer's Report for City Project No. 8019, District No. 736 – Paving and Street Lights for Cherry St (11th Ave S to 17th Ave S)

Submitted by: Engineering Department, David J. Kuharenko, PE (Principal Civil Engineer)

Staff Recommended Action: Approve Engineer's Report direct Engineering Department to prepare Plans & Specifications and advertise for construction bids for City Project No. 8019, District No. 736 – Paving and Street Lights for Cherry St (11th Ave S to 17th Ave S)

Committee Recommended Action:

Council Action: Approve Engineering report and direct Engineering to prepare Plans and Specs.

BACKGROUND:

Initially this project was proposed to reconstruct the existing asphalt overlaid concrete road; however, after further investigation, it was determined that a more cost effective approach would be to reconstruct the better portion of roadway in the poorest condition, and rehabilitate the portion to extend the life of the remaining pavement. This project is now proposed to reconstruct Cherry St from 14th Ave S to 17th Ave S, and to mill and overlay Cherry St from 11th Ave S to 14th Ave S, and install of street lighting on Cherry St from 11th Ave S to 17th Ave S.

This existing concrete roadway was constructed in approximately 1950 with 6 inches of concrete on a clay base. The concrete surface received a 1 ½ inch asphalt overlay in 2000 and that was seal coated in 2008. The current pavement surface is in poor condition with severe cracking, broken and potholed sections, and heaved sections affecting the quality of ride. In the area of the proposed reconstruction, the curb and gutters are very flat with some negative drainage that often exhibits standing water. In the area of the proposed rehabilitation, the asphalt has reached the end of its life expectancy, and it would be a cost effective method to mill and overlay the existing asphalt surface. There are only a limited number of street lights in this section of the street therefore lighting is poor.

The reconstruction portion of the project will consist of removal and replacement of pavement, curb and gutter, driveway approaches, alley approaches, sidewalk approaches and street lights. Sanitary sewer and water manholes and gate valve boxes will be adjusted to new pavement elevations. Storm sewer manholes and catch basins will be adjusted or replaced to meet new elevations also. Storm sewer leads will be replaced as needed based on the inspection by the City Utility Departments.

City Council approved the creation of the assessment district and the engineering agreement with CPS Engineering at the December 3, 2018 meeting.

ANALYSIS AND FINDINGS OF FACT:

- The work of this project is currently proposed to consist of reconstructing the paving on Cherry Street from 14th Avenue S to 17th Avenue S., milling and overlaying the existing asphalt street on Cherry St from 11th Ave S to 14th Ave S, and installing street lighting on Cherry St from 11th Ave S to 17th Ave S.
- CPS Engineering is currently under contract for design and bidding services for this project with a not to exceed contract amount of \$238,618.
- It is anticipated that the construction engineering services will be added with a future engineering amendment.
- The estimated cost of construction engineering services from CPS Engineering is \$286,000.
- The Engineer's Estimate for the reconstruction portion of the project is \$1,265,000.
- The Engineer's Estimate for the mill & overlay portion of the project is \$121,000.
- The Engineer's Estimate for the street lighting portion of the project is \$145,000.
- The total project cost, including construction, engineering, and a 10% contingency, is estimated at approximately \$2,056,000.
- Cherry Street is a classified street with the assessment district including half way to the next classified street. However, since South Washington St is typically not special assessed, the district extends to South Washington St.
- This project is protestable as per State law and the protest period is scheduled to expire on March 28, 2019.
- A portion of this project is to be funded with a City share as current City policy is to fund the 80% cost of Classified Street Reconstruction.
- Funding for the 20% property owner share will be from a special assessment of the benefiting property owners.
- Funding for this project will come from Fund 4815: Street & Infrastructure Fund – Street Maintenance Program.
- Approval of the Plans & Specifications is currently scheduled for the February 25, 2019 Committee of the Whole and the March 4, 2019 Council.
- The project is scheduled to be bid on March 18, 2019.
- Approval of the Bids is currently scheduled for the March 25, 2019 Committee of the Whole and the April 1, 2019 Council.
- Construction is anticipated to take place during the 2019 construction season and be completed by the end of the 2019 construction season.

SUPPORT MATERIALS:

- Timetable For Special Assessment Project (1 page)
- Engineer's Report for Project (3 pages)
- Project Location Map (1 page)
- Page 320 of the 2019 City Budget indicating funding source for this project (1 page)

TIMETABLE FOR SPECIAL ASSESSMENT PROJECTS

Project Name Paving and Street Lighting for Cherry St (11th Ave S to 17th Ave S)
 Project Number 8019 District No. 736

- Paving
- Street Lighting
- Street Improvement
- Other _____

This timetable prepared by DJK
 Revised by DJK

Date 11-16-18
 Date 2-19-19

| Action | Date of Action | | | Approved |
|---|--------------------|-----------|---------|-------------|
| | Other | Committee | Council | |
| Resolution creating assessment district. | | 11/26/18 | 12/3/18 | |
| *Notices sent to property owners. | Week of 2/25/19 | | | |
| *Special Assessment Commission to meet to determine preliminary distribution of benefits. | Week of 1/21/19 | | | |
| Approval of Engineers Report including estimate. Direct engineering to prepare plans & specifications, and advertise for construction bids. | | 2/11/19 | 2/19/19 | We are Here |
| Approval of plans & specs/set bid date. | | 2/25/19 | 3/4/19 | |
| Resolution of Necessity published. | 2/26/19 | | | |
| **Advertisement for bids prepared. | 2/27/19 | | | |
| *Advertisement for bids published. | 3/2/19 | | | |
| Discuss Project. (Optional) | | | | |
| ***Bids received, opened & tabulated. | 3/18/19 | | | |
| #Recommend award of contract. | | 3/25/19 | | |
| Expiration of protest period. | 3/28/19 | | | |
| ***Certificate as to sufficiency. | 4/1/19 | | | |
| Resolution as to protest and awarding contract. | | | 4/1/19 | |

*Responsibility of Finance & Administrative Services Office

**Responsibility of Engineering Department.

***Responsibility of Finance & Administrative Service Office & Engineering Department.

#If bids are more than 25% higher than engineers estimate, Finance & Administrative Services Office will notify property owners and protest period will be extended 2 weeks.

ENGINEER'S REPORT

District No. 736.1 (Project No. 8019.1)

The following report is submitted to the City Council of Grand Forks regarding the proposed Project No. 8019.1 benefiting

District No. 736.1

1. Purpose and general nature:

Improvement of the municipal system serving the district by:
Reconstruction of pavement, curb & gutter, driveway and alley approaches, sidewalks, and maintenance improvements of public utilities.

2. Location:

Described as follows:
Cherry Street from 14th Avenue S. to 17th Avenue S.

3. Feasibility and cost:

In the opinion of the undersigned, the improvement is feasible and the probable assessed cost thereof is estimated to be approximately \$700,000, including construction, engineering, financing, contingencies, and other incidental costs.

4. A map of the district is attached.

Date

Allen R. Grasser, PE – City Engineer

| | |
|---|-----------------|
| Construction Cost | \$1,265,000 |
| Less City Share | \$1,012,000 |
| <hr/> Assessed Construction Cost | <hr/> \$253,000 |
| Project Related Expenses | |
| City Engineering (5%) | \$12,600 |
| Advertising, Legal & Miscellaneous (4%) | \$10,100 |
| Administration (8%) | \$20,200 |
| Interim Financing (4%) | \$10,100 |
| Consultant Cost | \$394,000 |
| <hr/> Total Assessment Amount | <hr/> \$700,000 |

ENGINEER'S REPORT

District No. 736.2 (Project No. 8019.2)

The following report is submitted to the City Council of Grand Forks regarding the proposed Project No. 8019.2 benefiting

District No. 736.2

1. Purpose and general nature:

Improvement of the municipal system serving the district by:
Milling and overlaying the existing asphalt pavement, and maintenance improvements of public utilities.

2. Location:

Described as follows:
Cherry Street from 11th Avenue S. to 14th Avenue S.

3. Feasibility and cost:

In the opinion of the undersigned, the improvement is feasible and the probable assessed cost thereof is estimated to be approximately \$82,000, including construction, engineering, financing, contingencies, and other incidental costs.

4. A map of the district is attached.

Date

Allen R. Grasser, PE – City Engineer

| | |
|---|----------------|
| Construction Cost | \$121,000 |
| Less City Share | \$97,000 |
| <hr/> Assessed Construction Cost | <hr/> \$24,000 |
| Project Related Expenses | |
| City Engineering (5%) | \$1,000 |
| Advertising, Legal & Miscellaneous (4%) | \$1,000 |
| Administration (8%) | \$2,000 |
| Interim Financing (4%) | \$1,000 |
| Consultant Cost | \$53,000 |
| <hr/> Total Assessment Amount | <hr/> \$82,000 |

ENGINEER'S REPORT

District No. 736.3 (Project No. 8019.3)

The following report is submitted to the City Council of Grand Forks regarding the proposed Project No. 8019.3 benefiting

District No. 736.3

1. Purpose and general nature:

Improvement of the municipal system serving the district by:
Street lighting.

2. Location:

Described as follows:
Cherry Street from 11th Avenue S. to 17th Avenue S.

3. Feasibility and cost:

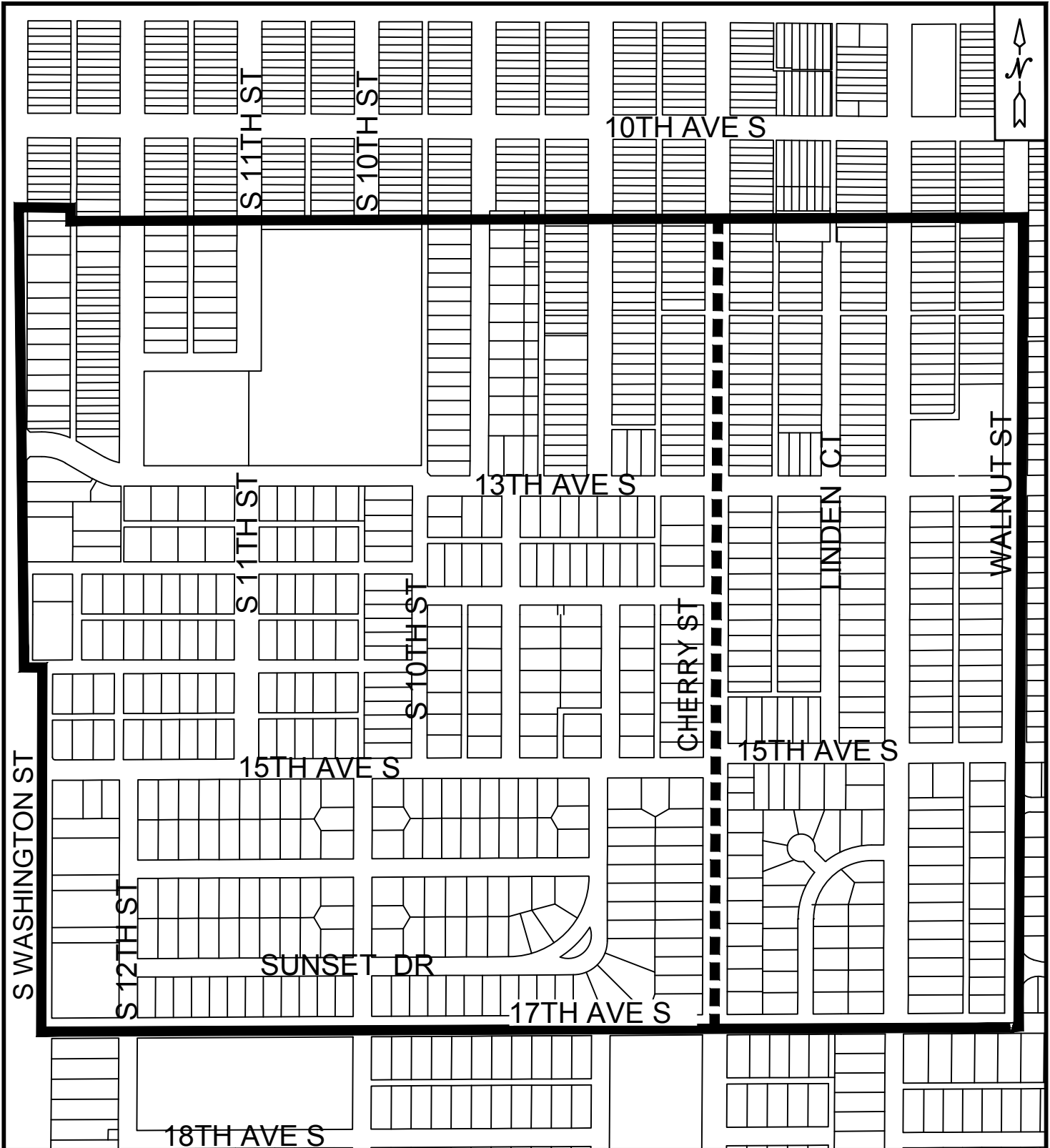
In the opinion of the undersigned, the improvement is feasible and the probable assessed cost thereof is estimated to be approximately \$114,000, including construction, engineering, financing, contingencies, and other incidental costs.

4. A map of the district is attached.

Date

Allen R. Grasser, PE – City Engineer

| | |
|---|-----------|
| Construction Cost | \$145,000 |
| Less City Share | \$116,000 |
| <hr/> | |
| Assessed Construction Cost | \$29,000 |
| Project Related Expenses | |
| City Engineering (5%) | \$1,500 |
| Advertising, Legal & Miscellaneous (4%) | \$1,100 |
| Administration (8%) | \$2,300 |
| Interim Financing (4%) | \$1,100 |
| Consultant Cost | \$79,000 |
| <hr/> | |
| Total Assessment Amount | \$114,000 |



PAVING & STREET LIGHTS FOR CHERRY STREET (11TH AVE S TO 17TH AVE S)

LEGEND

PROJECT # 8019
DISTRICT # 736

- ASSESSMENT DISTRICT BOUNDARY
- PROJECT LIMITS



Street & Infrastructure

Budget Year 2019

| G/L Account | Account Description | 2016 Amended Budget | 2016 Actual Amount | 2017 Amended Budget | 2017 Actual Amount | 2018 Adopted Budget | 2019 Adopted Budget |
|--|---|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|
| Fund 4815 - Street/Infrastructure Fund | | | | | | | |
| | Adopted Budget | | | | | 1.0000 | 300,000.00 |
| | Minor Street Repair | | | | | | 300,000.00 |
| | Adopted Budget | | | | | 1.0000 | 2,385,000.00 |
| | Street Mtce Program (3% Increase per Year) | | | | | | 2,385,000.00 |
| | Adopted Budget | | | | | 1.0000 | 80,000.00 |
| | Intelligent Transportation System | | | | | | 80,000.00 |
| | Adopted Budget | | | | | 1.0000 | 60,000.00 |
| | LED Street Light Replacement Program | | | | | | 60,000.00 |
| | Adopted Budget | | | | | 1.0000 | 20,000.00 |
| | Diamond Grade Reflectivity of Signs | | | | | | 20,000.00 |
| | Adopted Budget | | | | | 1.0000 | 200,000.00 |
| | N Washington CPR & Grind (8th Ave N to Gateway Dr) | | | | | | 200,000.00 |
| | Adopted Budget | | | | | 1.0000 | 11,000.00 |
| | Advanced Ped Walk 42nd St. and Columbia Rd Corridors | | | | | | 11,000.00 |
| | Adopted Budget | | | | | 1.0000 | 50,000.00 |
| | US Hwy 2 & N 55th St Traffic Signal | | | | | | 50,000.00 |
| | Adopted Budget | | | | | 1.0000 | 255.00 |
| | Red Light Confirmation Indicators on Gateway | | | | | | 255.00 |
| | Adopted Budget | | | | | 1.0000 | 744,000.00 |
| | N 62nd (10th to Gateway) (SIG Econ Devel) | | | | | | 744,000.00 |
| | Adopted Budget | | | | | 1.0000 | 100,000.00 |
| | ADA/MPO/Other Consulting Services | | | | | | 100,000.00 |
| | Adopted Budget | | | | | 1.0000 | 369,000.00 |
| | 32nd Ave S Turn Lanes (Corridor Improvements) | | | | | | 369,000.00 |
| | Adopted Budget | | | | | 1.0000 | 20,000.00 |
| | Washington Street Underpass Evaluation | | | | | | 20,000.00 |
| | Adopted Budget | | | | | 1.0000 | 47,600.00 |
| | Washington St (Hammerling to 8th Ave N) ADA Ramps | | | | | | 47,600.00 |
| | Adopted Budget | | | | | 1.0000 | 150,000.00 |
| | Point Bridge Rehabilitation (Portion from Bridge Reserve) | | | | | | 150,000.00 |
| | Adopted Budget | | | | | 1.0000 | 381,600.00 |
| | S 42nd St (34th to 40th Ave S; Rural Section) | | | | | | 381,600.00 |
| | Adopted Budget | | | | | 1.0000 | 616,000.00 |
| | Cherry St (60th to 62nd Ave S) | | | | | | 616,000.00 |
| | Adopted Budget | | | | | 1.0000 | 111,000.00 |
| | N 5th St (Gateway to Demers-Mill & Overlay) | | | | | | 111,000.00 |
| | Adopted Budget | | | | | 1.0000 | 715,001.00 |
| | Business US 2 Reconstruction (Demers to Red River) | | | | | | 715,001.00 |
| | Adopted Budget | | | | | 1.0000 | 60,000.00 |
| | Demers Ave Traffic Signal | | | | | | 60,000.00 |
| | Adopted Budget | | | | | 1.0000 | 100,000.00 |
| | Large Project Update/Continuation | | | | | | 100,000.00 |
| | Adopted Budget | | | | | 1.0000 | 80,000.00 |
| | Bikepath Maintenance | | | | | | 80,000.00 |
| | Adopted Budget | | | | | 1.0000 | 232,408.00 |
| | Bikepath Development (New) | | | | | | 232,408.00 |
| | Adopted Budget | | | | | 1.0000 | 50,000.00 |
| | Quiet Zone Redundancy | | | | | | 50,000.00 |
| | Adopted Budget | | | | | 1.0000 | 100,000.00 |
| | Maintenance of Street Lights | | | | | | 100,000.00 |
| | Adopted Budget | | | | | 1.0000 | 100,000.00 |
| | Minor Intersection Improvement | | | | | | 100,000.00 |
| | Adopted Budget | | | | | 1.0000 | 80,000.00 |
| | Transportation Studies | | | | | | 80,000.00 |
| | Adopted Budget | | | | | 1.0000 | 60,000.00 |
| | Pavement Management | | | | | | 60,000.00 |
| | Adopted Budget | | | | | 1.0000 | 445,600.00 |
| | S 34th St (45th to 47th Ave S) | | | | | | 445,600.00 |
| | Adopted Budget | | | | | 1.0000 | 50,000.00 |
| | Consulting Assistance for Specifications Revisions | | | | | | 50,000.00 |
| | Adopted Budget | | | | | 1.0000 | 728,800.00 |
| | N 36th St (20th to 24th Ave N) (SIG Econ Devel) | | | | | | 728,800.00 |