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## **Engineer's Report**

(Pursuant to N.D.C.C. 40-22-10)

### **Project No.**

Traffic Signal – Veterans Boulevard and 37<sup>th</sup> Avenue

### **General Nature (Scope)**

This project will install a full traffic signal system adjacent to Sheyenne High School at the intersection of Veterans Boulevard and 37<sup>th</sup> Avenue. Improvements will consist of the installation of a 4-way traffic signal system, connections into existing fiber and roadway networks, and surface reconstruction to reconfigure crosswalks and the geometry of the left turn lanes on Veterans Boulevard to ensure safe and adequate operation of the new signal system. The project is being designed, bid and constructed by the City of Fargo. The signal system will be maintained by West Fargo per original agreements established when Veterans Boulevard was initially constructed.

### **Purpose**

Sheyenne High school administration and local neighborhoods have expressed traffic safety concerns for this intersection and pedestrians crossing Veterans Boulevard. This project will help with school caused congestion and will create crosswalks at this intersection for students. A minor geometric adjustment will also increase safety for left turning vehicles at this intersection. All improvements will increase safety for the traveling public and any pedestrians along the corridor.

### **Feasibility**

This project is feasible and will improve the overall safety of the intersection. It is anticipated to be a 50/50 cost share between the cities of West Fargo and Fargo. The City of West Fargo intends to fund its share through a cost-share agreement with the West Fargo School District, or create a special assessment district encompassing the property of Sheyenne High School.

**Estimate of Probable Cost**

Construction		\$646,825.73
Bid Proposal Items	\$616,024.50	
Contingency (5%)	\$30,801.23	
Engineering (Design/Construction)		\$61,602.45
Legal		\$18,480.74
Administration		\$24,640.98
Land Acquisition		\$0
Utility Relocation		\$0
Bonding/Interest		\$24,640.98
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Total Estimated Cost		\$776,190.88

**Source of Funds**

City of Fargo Share		\$388,095.44
Special Assessments (WFPS Share)		\$194,047.72
City Funds		\$194,047.72
Capital Impr. Sales Tax	\$194,047.72	
Water/Sewer Revenue	\$0	
Water/Sewer Bond	\$0	
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Total		\$776,190.88

**Supporting Documents (available upon request)**

- A. Itemized Estimate of Probable Cost from City of Fargo
- B. Map of Intersection

*The proposed improvements are cost effective and will adhere to city policies as well as applicable state and/or federal regulations.*



Andrew Wrucke, P.E.  
ND Registration No. PE-9821





**ENGINEER'S REPORT**  
**TRAFFIC SIGNAL IMPROVEMENTS**  
**PROJECT NO. TN-22-B**  
**VETERANS BLVD AND 37TH AVE S**

**Nature & Scope**

Installing a new traffic signal system at the intersection of Veterans Blvd and 37th Ave S.

**Purpose**

Making the this intersection safer for pedestrian crossing, and turning and crossing vehicle traffic.

**Feasibility**

The estimated cost of construction is \$616,024.50. The cost breakdown is as follows:

<b>50% West Fargo &amp; Fargo Split</b>		
<b>Construction Cost</b>		<b>\$616,024.50</b>
<b>Fees</b>		
Engineering	10%	\$61,602.45
Admin	4%	\$24,640.98
Legal	3%	\$18,480.74
Interest	4%	\$24,640.98
Contingency	5%	\$30,801.23
<b>Total Estimated Cost</b>		<b>\$776,190.88</b>
<b>Funding</b>		
City of West Fargo Funds	50.00%	\$388,095.44
Utility Funds - Street Lights - 528	50.00%	\$388,095.44

**Project Funding Summary**

City of West Fargo Funds	50.00%	\$388,095.44
Utility Funds - Street Lights - 528	50.00%	\$388,095.44

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**Total Estimated Project Cost** **\$776,190.88**

**This project does not have any alternate or optional containers.**

We believe this project to be cost effective.

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Jacob Rick  
Project Manager