



City of Grand Forks Staff Report



Committee of the Whole – March 25, 2019
City Council – April 1, 2019

Agenda Item: Plans and Specifications for City Project No. 7953 - Traffic Signals and Turn Lanes at Gateway Drive & N 55th Street

Submitted by: Engineering Department, Mark S. Walker, PE (Assistant City Engineer)
Mike Yavarow, PE (Civil Engineer Principal)

Staff Recommended Action: **Approve Plans and Specifications for City Project No. 7953 – Traffic Signals and Turn Lanes at Gateway Drive & N 55th Street**

Committee Recommended Action: Refer to City Council with the recommendation to approve.

Council Action:

BACKGROUND:

This project is being proposed by the North Dakota Department of Transportation (NDDOT) and is intended to install a new traffic signal system and turn lanes at the intersection of Gateway Drive (US Highway No. 2) and North 55th Street. Left turn lanes will be installed on all approaches with positive/zero offsets and new right turn lanes will be installed for northbound and westbound traffic. A right turn lane currently exists for eastbound traffic. Intersection lighting will be installed that will light the full width of turn bay lengths on all approaches. The signal will be interconnected with the city traffic control system by installing a fiber optic cable from the signal at 47th Street/Gateway westward to the new signal location.

The concrete portion of Gateway Drive was constructed in 1995 and was rehabilitated in 2014. 55th Street southward of Gateway was constructed in 1999 and the concrete section of 55th Street northward of Gateway Drive was constructed in 2014.

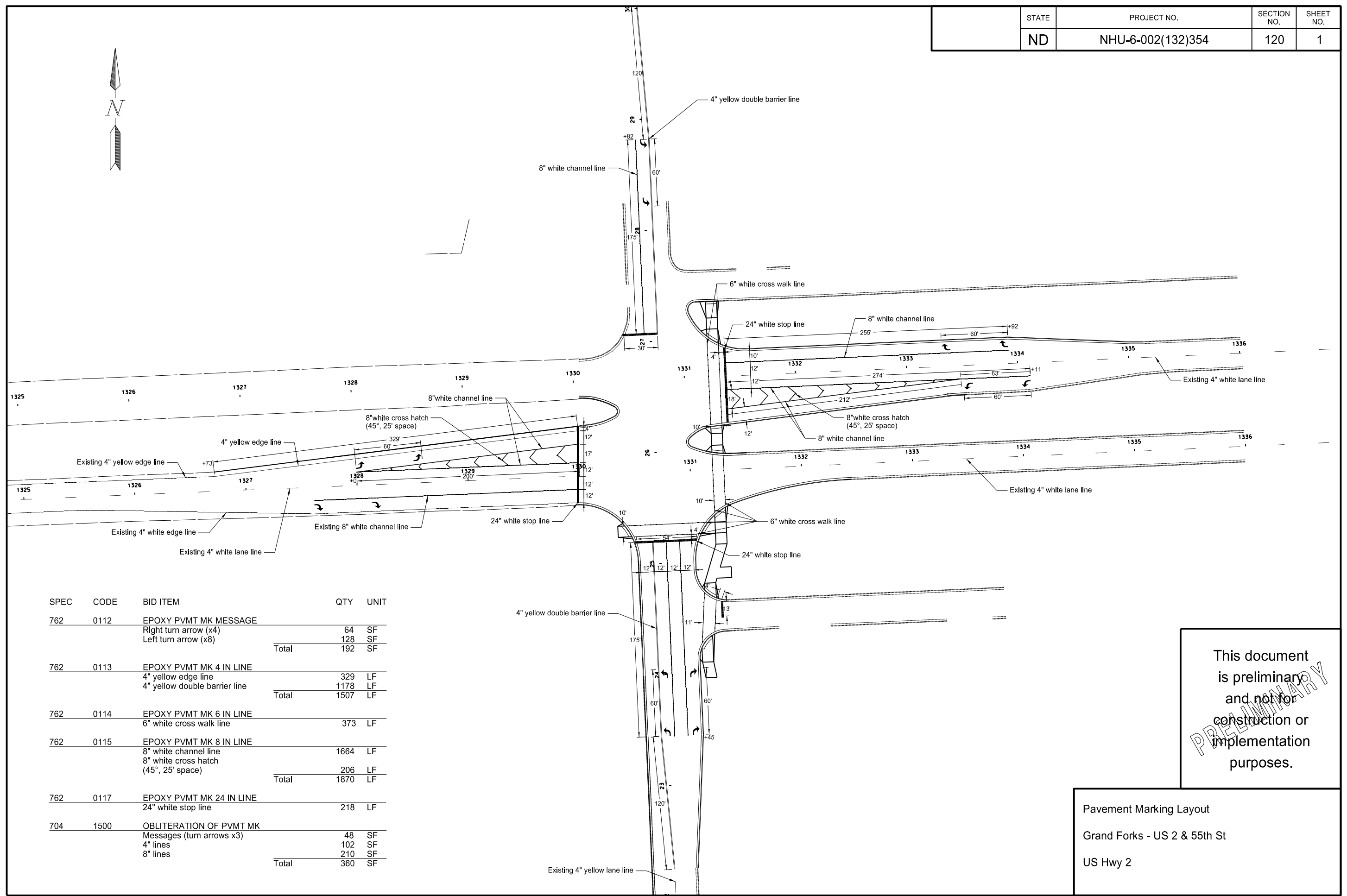
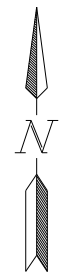
On September 4, 2018, Council approved a Preliminary Engineering Reimbursement Agreement with the NDDOT for this project. On November 5, 2018, Council approved the Categorical Exclusion Document, concurred with the project concepts as proposed, and selected to construct the traffic signals and turn lanes at Gateway Drive & N 55th Street. On March 4, 2019, the Council approved the Cost Participation and Maintenance agreement with the NDDOT.

ANALYSIS AND FINDINGS OF FACT:

- The Federal/State funding participation rates for this project are 80/20% respectively with no City share.
- The total project cost is currently estimated at \$1.026m.
- Bids are planned to be opened on April 12, 2019 at the NDDOT in Bismarck.
- It is expected that this project will again be placed on the April 8th Committee of the Whole and April 15th Council agendas for concurrence of bid award.
- Construction is currently anticipated to take place during the 2019 construction season.

SUPPORT MATERIALS:

- Project Location Map showing proposed lane configuration (1 page)



SPEC	CODE	BID ITEM	QTY	UNIT
762	0112	EPOXY PVMT MK MESSAGE		
		Right turn arrow (x4)	64	SF
		Left turn arrow (x8)	128	SF
		Total	192	SF
762	0113	EPOXY PVMT MK 4 IN LINE		
		4" yellow edge line	329	LF
		4" yellow double barrier line	1178	LF
		Total	1507	LF
762	0114	EPOXY PVMT MK 6 IN LINE		
		6" white cross walk line	373	LF
762	0115	EPOXY PVMT MK 8 IN LINE		
		8" white channel line	1664	LF
		8" white cross hatch (45°, 25' space)	206	LF
		Total	1870	LF
762	0117	EPOXY PVMT MK 24 IN LINE		
		24" white stop line	218	LF
704	1500	OBLITERATION OF PVMT MK		
		Messages (turn arrows x3)	48	SF
		4" lines	102	SF
		8" lines	210	SF
		Total	360	SF

This document
is preliminary
and not for
construction or
implementation
purposes.

Pavement Marking Layout
Grand Forks - US 2 & 55th St
US Hwy 2