



## **ENGINEERING DEPARTMENT**

**DATE:** May 15, 2018  
**FROM:** Gabe Schell, PE | City Engineer  
**ITEM:** ND Moves Active Transportation & Transit Plan – Demonstration Project

### **REQUEST**

Provide Update on North Dakota Department of Transportation (NDDOT) ND Moves Active Transportation & Transit Plan and Demonstration Project

Please place this item on the May 22, 2018 City Commission meeting agenda.

### **BACKGROUND INFORMATION**

As part of the NDDOT Active Transportation & Transit Plan, the City of Bismarck participated in a workshop to plan a small scale demonstration project that would incorporate pedestrian-friendly elements on a short term basis. Workshop participants included Bismarck Departments of Engineering, Community Development, Police, and Public Health; agency partners NDDOT, Bismarck Parks and Rec, Metropolitan Planning Organization and Bis-Man Transit; as well as community stakeholders of Bismarck Mandan Chamber of Commerce, GO! Bismarck Mandan and Bismarck Downtown Business Association.

This group developed a project on Main Avenue between 4<sup>th</sup> Street and 5<sup>th</sup> Street that would incorporate pedestrian curb extensions and high visibility cross walks as well as parklets that would reassign parking spots as pedestrian areas to create a more activated space (see exhibit for draft plan layout). The timeframe for demonstration would be the week after July 4 through mid-August.

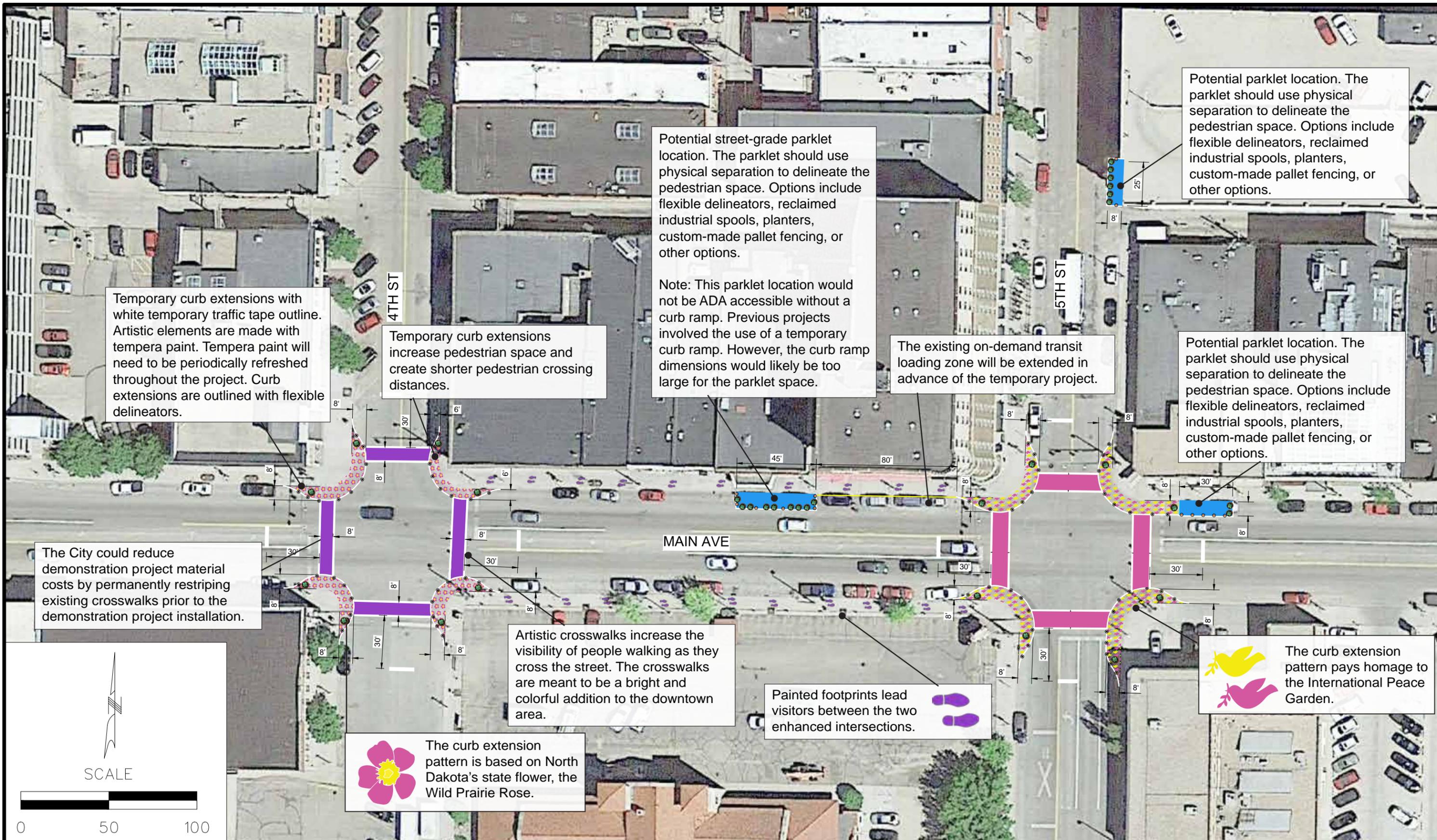
The goal of this project is to demonstrate recommendations from previous planning efforts into a low cost package where feedback can be received from the public prior to investing significant resources. Initial material cost estimates for deployment range between \$10,000 to \$20,000 depending on the scale of the project and the availability of materials that can be donated. I am actively seeking additional funding sources to lessen the City of Bismarck's financial commitment and would anticipate coming back to Commission in June for approval of the final plan.

## **RECOMMENDED CITY COMMISSION ACTION**

Receive update on Demonstration Project and provide feedback.

## **STAFF CONTACT INFORMATION**

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Potential parklet location. The parklet should use physical separation to delineate the pedestrian space. Options include flexible delineators, reclaimed industrial spools, planters, custom-made pallet fencing, or other options.

Potential street-grade parklet location. The parklet should use physical separation to delineate the pedestrian space. Options include flexible delineators, reclaimed industrial spools, planters, custom-made pallet fencing, or other options.

Note: This parklet location would not be ADA accessible without a curb ramp. Previous projects involved the use of a temporary curb ramp. However, the curb ramp dimensions would likely be too large for the parklet space.

The existing on-demand transit loading zone will be extended in advance of the temporary project.

Potential parklet location. The parklet should use physical separation to delineate the pedestrian space. Options include flexible delineators, reclaimed industrial spools, planters, custom-made pallet fencing, or other options.

Temporary curb extensions with white temporary traffic tape outline. Artistic elements are made with tempera paint. Tempera paint will need to be periodically refreshed throughout the project. Curb extensions are outlined with flexible delineators.

Temporary curb extensions increase pedestrian space and create shorter pedestrian crossing distances.

The City could reduce demonstration project material costs by permanently restriping existing crosswalks prior to the demonstration project installation.

Artistic crosswalks increase the visibility of people walking as they cross the street. The crosswalks are meant to be a bright and colorful addition to the downtown area.

Painted footprints lead visitors between the two enhanced intersections.

The curb extension pattern pays homage to the International Peace Garden.

The curb extension pattern is based on North Dakota's state flower, the Wild Prairie Rose.

