

## **Nixon Road Corridor Transportation Study**

October 8, 2015

In response to the direction given to City Staff in Resolution R-15-294, the following information is being submitted to Council in regards to the Nixon Road Corridor Transportation Study, which is currently in the Capital Improvement Plan (CIP) for FY2018 (TR-OT-16-05).

### **Scope of Work**

Based on the current and anticipated workload of City traffic engineering staff, it is anticipated that this study will need to be performed by a consultant.

This study would be conducted to determine the near and long term transportation needs of the Nixon Road corridor. Study limits will begin at Plymouth Road and end at City limits (approximately M-14). The study will include, at a minimum, analysis at the following intersections:

- Plymouth Road at:
  - Nixon Road
  - Huron Parkway
- Nixon at:
  - Aurora Street/Sandalwood Circle
  - Sandalwood Circle, north approach
  - Bluett Road/Meade Court
  - Clague shared Driveway
  - Traver Boulevard
  - Dhu Varren Road/Green Road, as proposed
  - Private Road approaches, existing and proposed, as required.

Multi-modal analyses of the entire corridor will be performed. The selected consultant will be required to evaluate the corridor for vehicular, non-motorized, and transit access and performance. City staff will work with the selected consulting team to determine the measures of effectiveness (MOEs) for each travel mode. Traditional MOEs, such as delay and level of service, will be used for vehicular travel, but other MOEs may be developed for the other modes of travel (such as using distance to a crossing as a measure for pedestrian travel).

This corridor experiences several surges of travel demand based on the nature of adjacent land uses. The consulting team will be expected to review travel patterns at various times of day and develop an appropriate analysis scheme for the project.

### **Community Engagement Plan**

The project will require a robust engagement plan based on the City's P3 process. The selected consulting team will be required to develop an engagement plan consistent with the City's process. City

staff will review and comment upon the proposed engagement plan. The plan will include, at a minimum, the following elements:

- Presentations to specific stakeholder groups
- Planning and facilitation of general public meetings (2 anticipated; one to occur prior to the beginning of the work to inform the consultant of the issues perceived by the community; and one near the end to review the results of the study)
- Standard advertising and targeted advertising to interested groups (e.g. AAPS, neighborhood associations, etc.) for all public meetings
- Electronic communications through a project website and social media

## **Deliverables**

The selected consulting team will be required to provide the following deliverables:

- Materials to support the public outreach meetings.
- Memorandum explaining the proposed analysis methodology for the transportation study.
- Complete evaluation of alternatives for improving the corridor for all users, including cost estimates for each alternative
- Draft report of transportation study findings for staff review
- Final report

## **CIP Prioritization**

Staff completed a prioritization ranking for the proposed corridor study project within the “Other Transportation” category, which is where similar studies are located. Based on this analysis, the Nixon Road Corridor Study ranked third out of the thirteen projects in its category.

## **Estimated Cost and Funding Source**

Based on experience with similar types of projects, staff estimates that the cost to complete the Nixon Road Corridor Study will be approximately \$200,000. As similar such studies have been budgeted for through the General Fund in the past, this would be the most appropriate funding source for this project.

## **Timeline**

Provided funding for this study is allocated in late 2015, work could begin as soon as the first quarter of 2016. It is anticipated that the study would be completed by the end of the calendar year in 2016.