

# Memorandum

## Public Works Department



**To:** Community & Economic Development Director  
**Subject:** Proposed Fareway Store Street Conditions and Estimated Traffic Volume  
**Date:** June 18, 2013  
**Number:** 2013-123

---

The Public Works Department was asked by the Community and Economic Development (CED) to review the conditions of the streets around the proposed Fareway Store site (Audubon School). In addition, a traffic analysis was conducted to estimate the traffic patterns for the proposed store.

### **Street Condition Recent Maintenance**

The Public Works Department utilizes a Pavement Inventory Condition Survey to evaluate the condition of the City's streets and assigns them a pavement condition index (PCI) value between 0 and 100. A street's PCI value helps determine if there is a need for maintenance, resurfaced or reconstructed. Streets rated above 55 are considered good to excellent (maintenance), a rating of 40-54 is fair to good (resurfacing) and below 40 is failed to poor (reconstruction). The survey was last updated in 2008.

According to the latest update, streets in this area had the following PCI ratings (see attached):

- 18<sup>th</sup> Avenue; 25<sup>th</sup> Street to 27<sup>th</sup> Street: 87
- 18<sup>th</sup> Avenue; 27<sup>th</sup> Street to 29<sup>th</sup> Street: 84
- 17<sup>th</sup> Avenue; 25<sup>th</sup> Street to 27<sup>th</sup> Street: 14
- 17<sup>th</sup> Avenue; 27<sup>th</sup> Street to 29<sup>th</sup> Street: 71
- 16<sup>th</sup> Avenue; 25<sup>th</sup> Street to 28<sup>th</sup> Street: 6
- 16<sup>th</sup> Avenue; 28<sup>th</sup> Street to 29<sup>th</sup> Street: 23
- 25<sup>th</sup> Street: 16<sup>th</sup> Avenue to 18<sup>th</sup> Avenue: 73
- 26<sup>th</sup> Street: 16<sup>th</sup> Avenue to 18<sup>th</sup> Avenue: 23
- 28<sup>th</sup> Street: 16<sup>th</sup> Avenue to 18<sup>th</sup> Avenue: 87
- 29<sup>th</sup> Street: 16<sup>th</sup> Avenue to 18<sup>th</sup> Avenue: 58

### **Recent & Proposed Maintenance**

The City has selected various pavement sections within the vicinity of the proposed store to be included into its Asphalt Milling and Patching Program (See attached diagram). Under this program, various locations are selected throughout the City. The existing asphalt driving surface is removed by milling and the driving surface is replaced with a new asphalt driving surface.

The following locations in the vicinity of the proposed Fareway store have been completed as part of this year's program:

- 16<sup>th</sup> Avenue at the alley between 25<sup>th</sup> and 26<sup>th</sup> Streets,
- 16<sup>th</sup> Avenue at the intersection of 27-½ Street,
- 16<sup>th</sup> Avenue at the alley between 28<sup>th</sup> and 29<sup>th</sup> Streets,
- 16<sup>th</sup> Avenue at the alley between 29<sup>th</sup> and 30<sup>th</sup> Streets.

Following construction of the Fareway store, the following locations in this area are scheduled to be repaired:

- 16<sup>th</sup> Avenue at the intersection of 26<sup>th</sup> Street,
- 17<sup>th</sup> Avenue; four locations between 26<sup>th</sup> Street and 28<sup>th</sup> Street
- The north bound land of 26<sup>th</sup> Street between 17<sup>th</sup> and 18<sup>th</sup> Avenues.

### **Anticipated Traffic**

Based upon existing traffic counts and projected site visits for similar types of facilities, the stores main entrance off of 18<sup>th</sup> Avenue is expected to see about 2502 annual average daily traffic (AADT).

Traffic along 17<sup>th</sup> Avenue is summarized below:

	Westbound traffic (AADT)	Eastbound Traffic (AADT)
Traffic Prior to Audubon School Closing	417	524
Existing Traffic Today	233	251
Projected Traffic After Fareway Opens	499	529

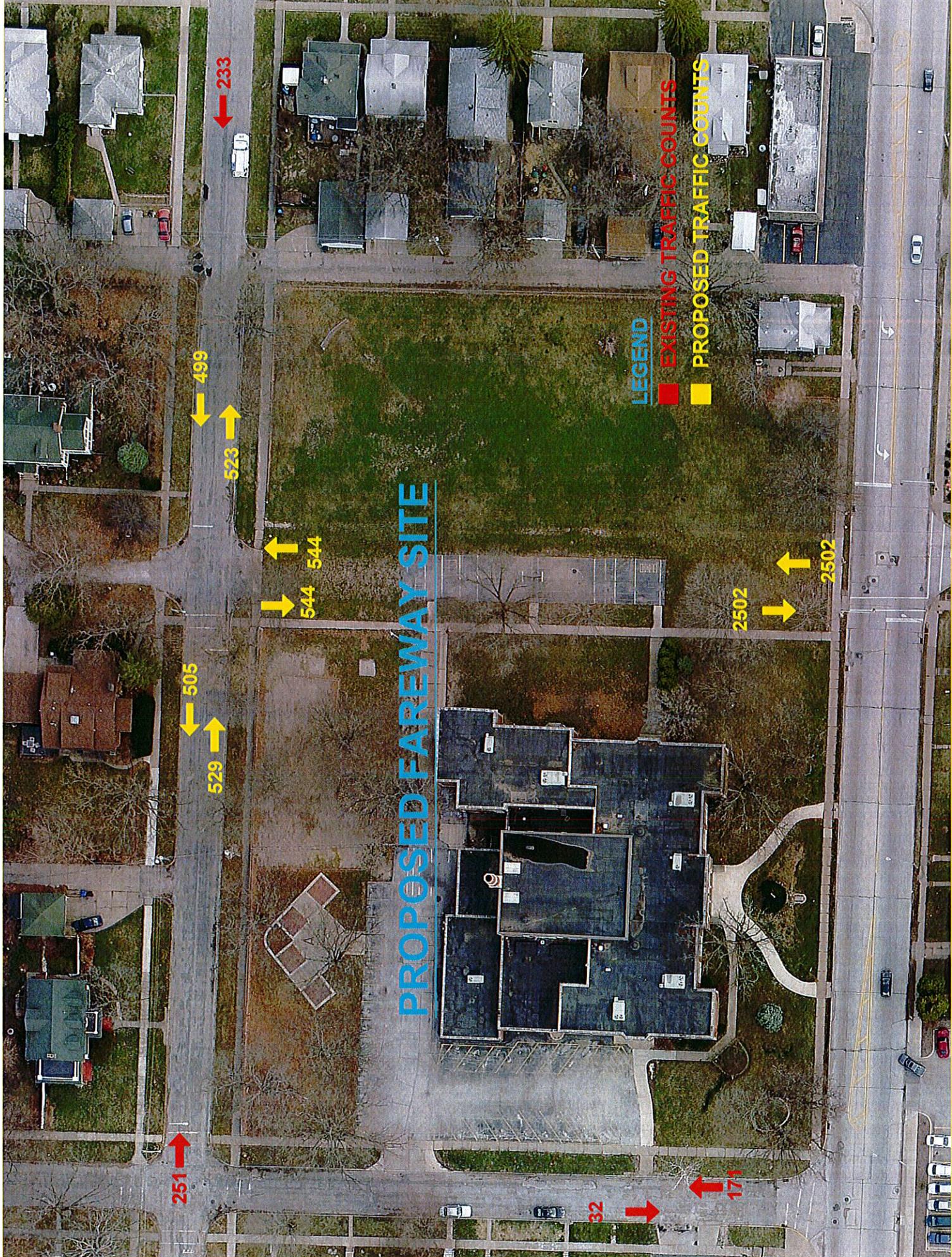
The preliminary traffic analysis indicates that the amount of traffic on 17<sup>th</sup> Avenue could be similar to what existed prior to the closing of Audubon School. Of the projected traffic after the store opens, 544 vehicles are projected to use the secondary entrance into Fareway from 17<sup>th</sup> Avenue.

**Submitted by:** Randall D. Tweet, Public Works Director  
Michael J. Kane, P.E., City Engineer

---

**Approved by:**





**PROPOSED FAREWAY SITE**

**LEGEND**

EXISTING TRAFFIC COUNTS

PROPOSED TRAFFIC COUNTS

251

32

171

233

499

523

544

544

505

529

2502

2502