

Transportation Plan Workshop

August 24, 2021

HMH
engineering

DALTON GARDENS
Idaho

Agenda

1. Transportation Plan Purpose and Objective
2. Road Classification
3. Roadway Condition Assessment
4. Roadway Maintenance
5. Sign Condition Inventory
6. Traffic Counts
7. Speed Data
8. Transportation Plan Questionnaire Results

Transportation Plan Purpose and Objective

- Provides a planning tool for the City to manage future maintenance of the roadway network.
- Facilitates identification of current infrastructure and maintenance needs, addresses anticipated problem areas.
- Identifies opportunities to improve existing roadway and multi-modal facilities
- Categorizes future construction improvements.

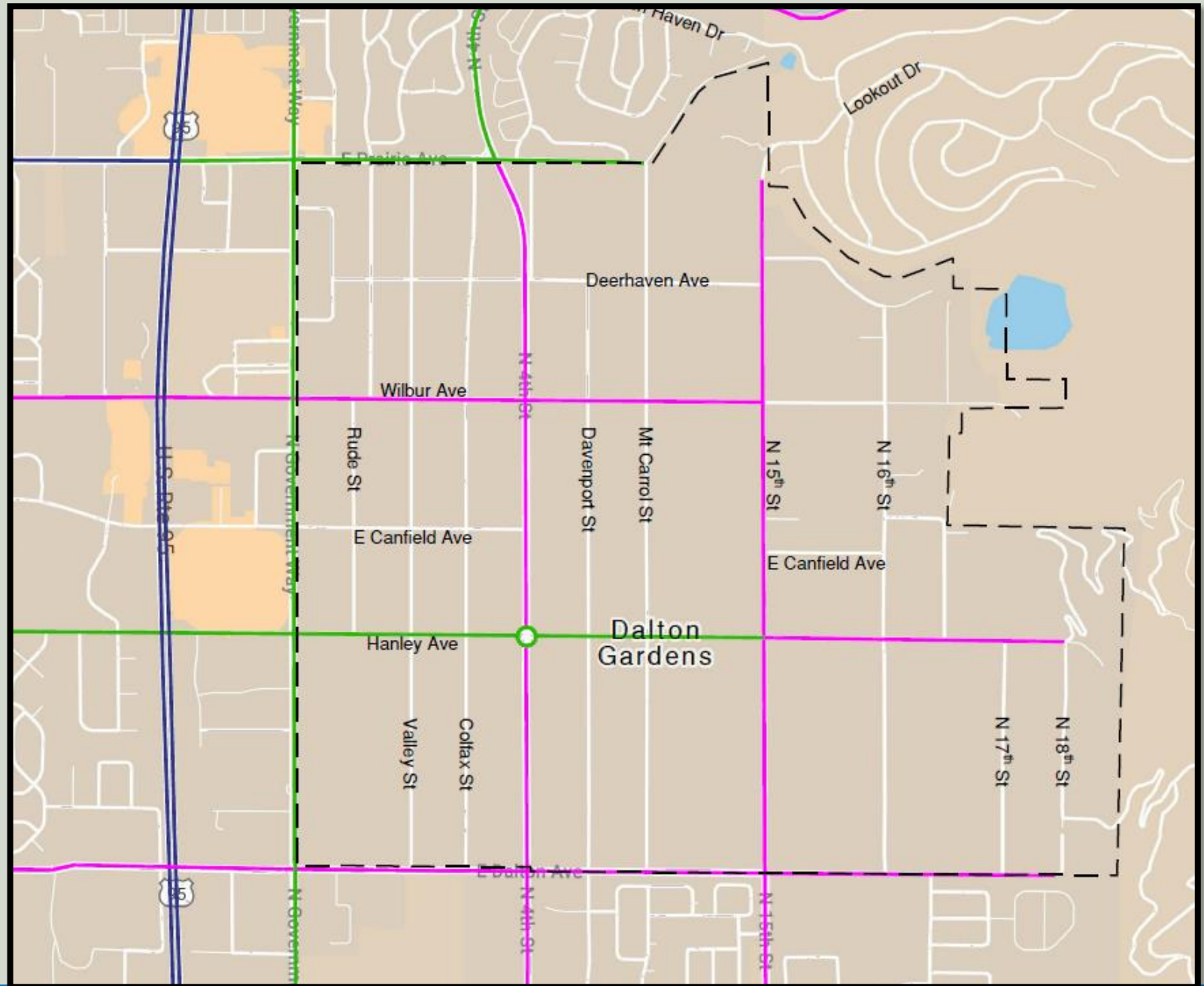
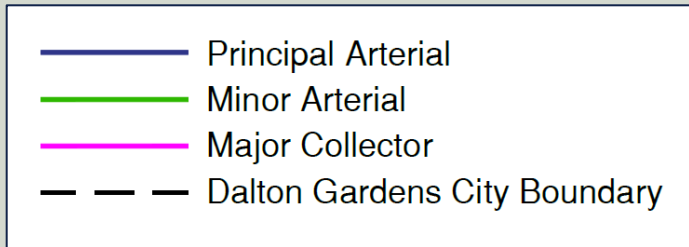
Federal Functional Classification

Functional street classification is the process by which streets and highways are grouped into classes or systems according to the character of service they are intended to provide. The guidelines used for classifying roadways follows the Federal Highway Administration (FHWA) recommendations for percentage of each type of classification.

Minor Arterial – Designed for relatively uninterrupted traffic movement. This system distributes travel to geographic areas smaller than those identified with higher systems. These roads may carry local bus routes and provide intracommunity continuity.

Major Collector – This system provides both land access and traffic circulation within residential neighborhoods and commercial areas. The collectors also collect traffic from local streets in residential neighborhoods and channels it into the arterial system.

Federal Functional Classification



Roadway Condition Assessment

Evaluated based on:

- Fatigue Cracks
- Transverse Cracks
- Longitudinal Cracks
- Edge Cracks
- Rutting
- Roughness
- Potholes
- Patching



Roadway Condition Assessment

Ranked Roads – Most Defects

- 1. Rude St. (Deerhaven to Wilbur)
- 2. Aqua Circle
- 3. Baillie St. (Deerhaven to Prairie)
- 4. Colfax St. (Wilbur to Prairie)
- 5. Colfax St. (Dalton to Hanley)
- 6. Valley St. (Wilbur to Deerhaven)
- 7. Rude St. (Wilbur to Canfield)



Aqua Circle



Valley



Baillie St

Roadway Maintenance

Dalton Gardens contains approximately 21 miles of roads varying in width.

- Chip sealing recommended cycle: Every 7 years
- Per year, Dalton Gardens must chip seal 3 miles (Est. 25' width)
- Routine crack sealing to be done each year



2021 Chip Seal Project Includes:

- Dalton Ave. – 4th St. to 17th St.
- Hanley Ave. – 15th St. to 18th St.
- 17th St. – Dalton Ave. to Hanley Ave.
- Aqua Circle
- Canfield Ave. – Government Way to Rude St.
- Canfield Ave. – 15th to 16th St.
- 16th St. – Hanley Ave. to Woodland Ave.
- 16th St. – Dalton Ave. to Hanley Ave.

FY 2022	\$325,000.00
FY 2023	\$357,500.00
FY 2024	\$338,250.00
FY 2025	\$372,075.00
FY 2026	\$409,280.00
FY 2027	\$450,210.00
FY 2028	\$490,230.00
FY 2029	\$544,755.00
FY 2030	\$599,230.00
FY 2031	\$659,150.00

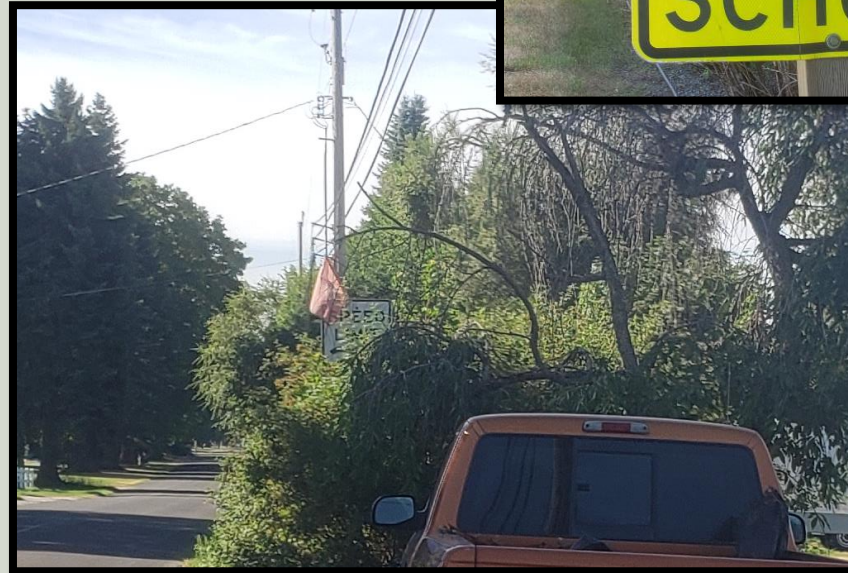
*10% Inflation added per year

Sign Inventory

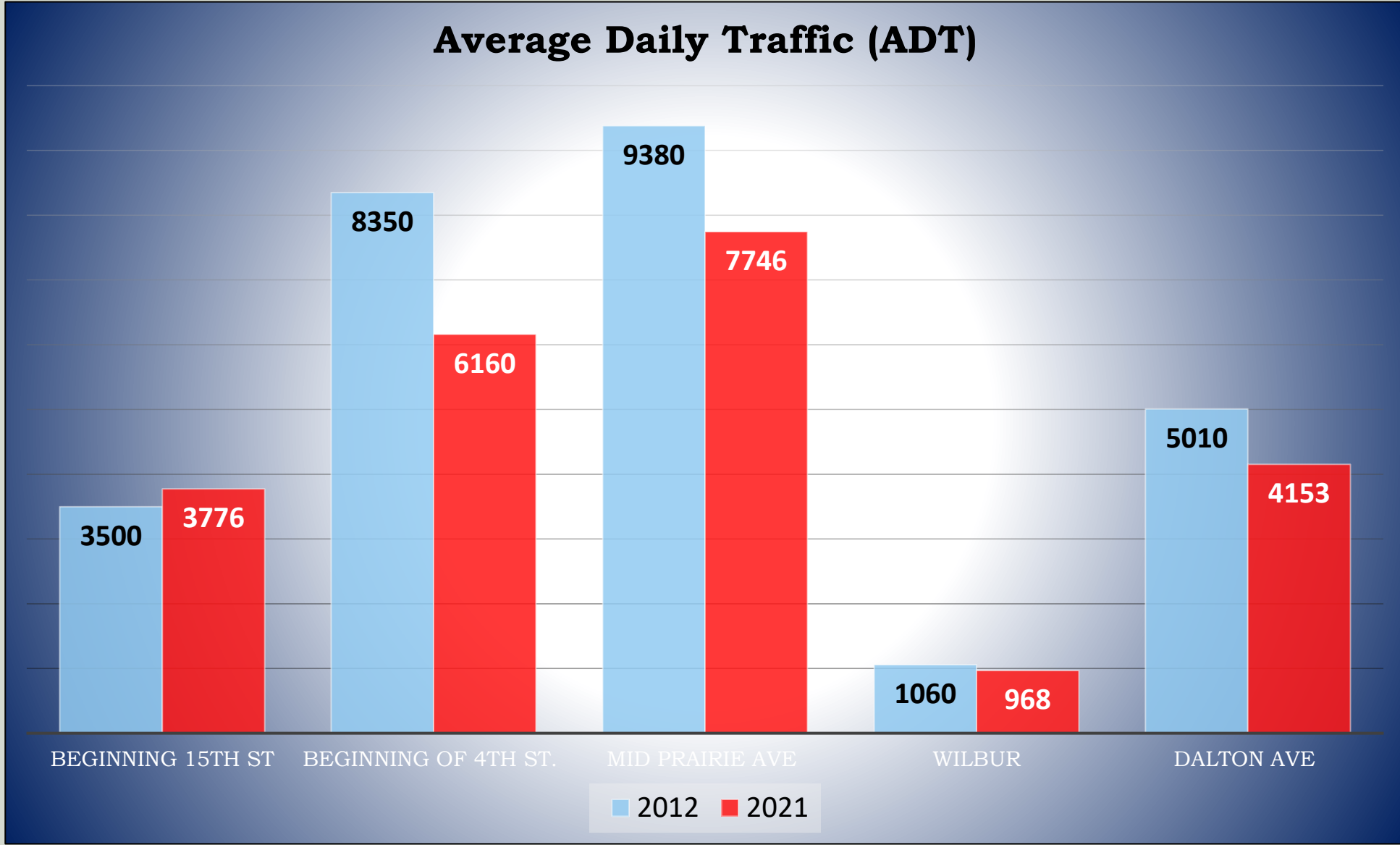
Total signs in Dalton Gardens: 491

Signs that need to be replaced: 39

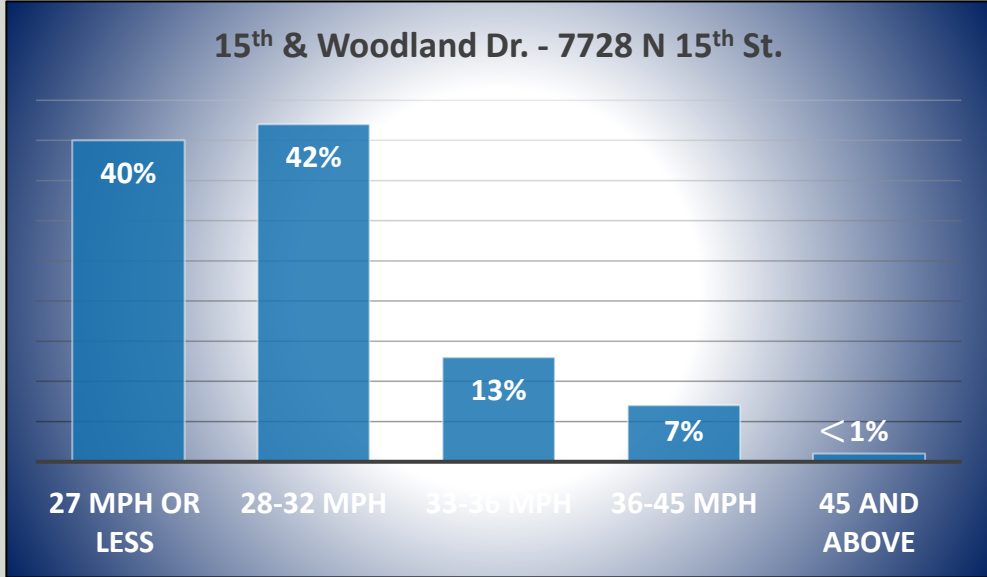
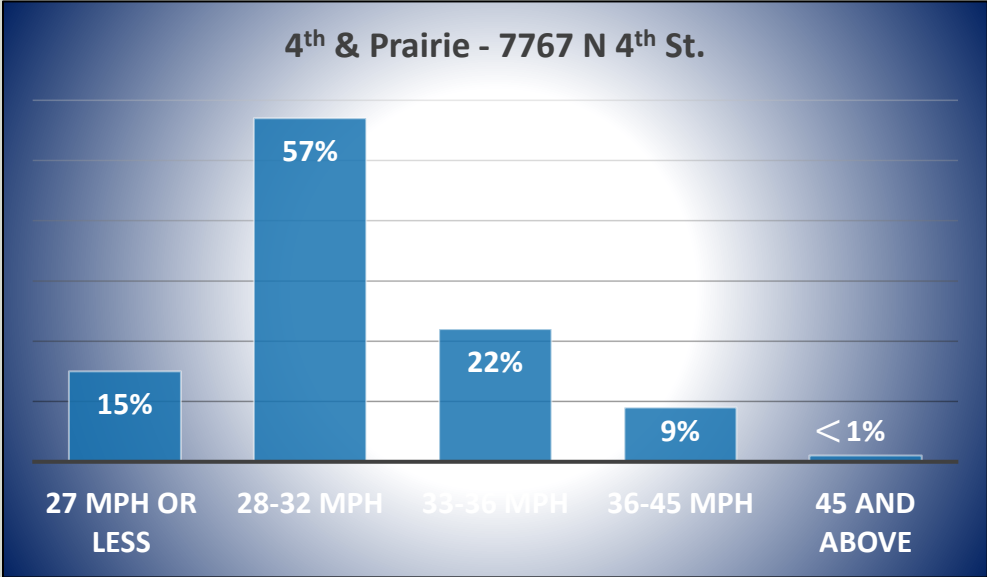
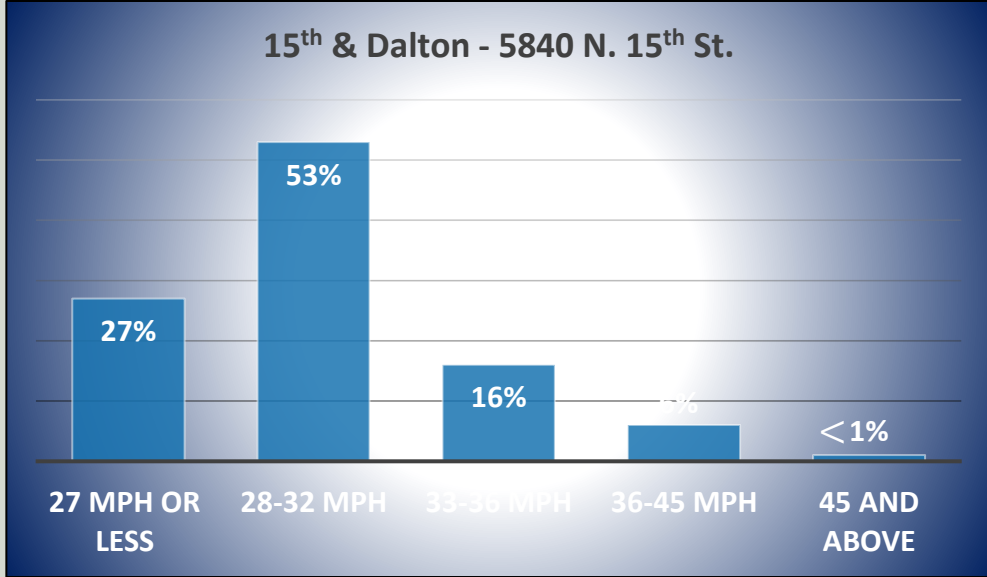
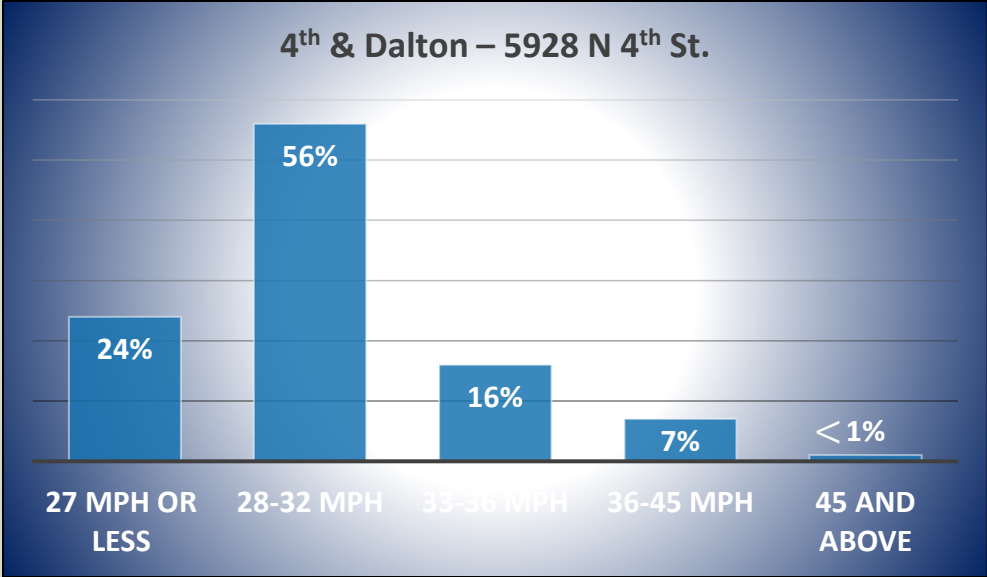
Signs/Posts that need maintenance: 4 (Post falling over, loose sign..)



Traffic Counts

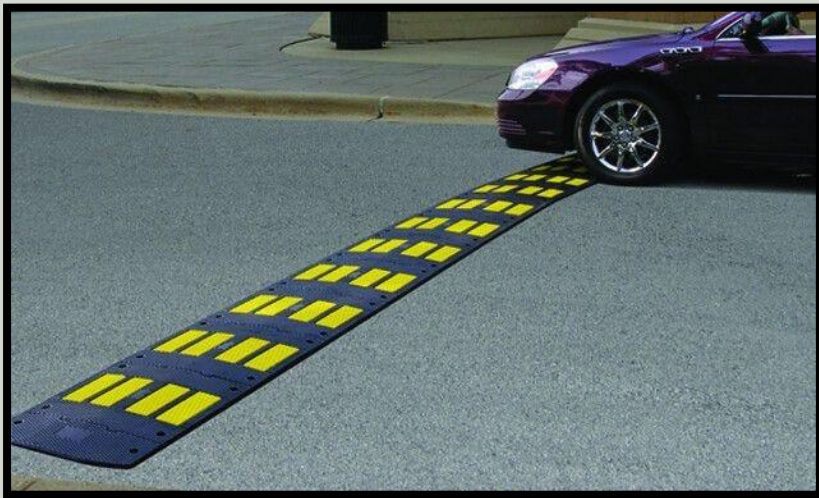


Speed Data

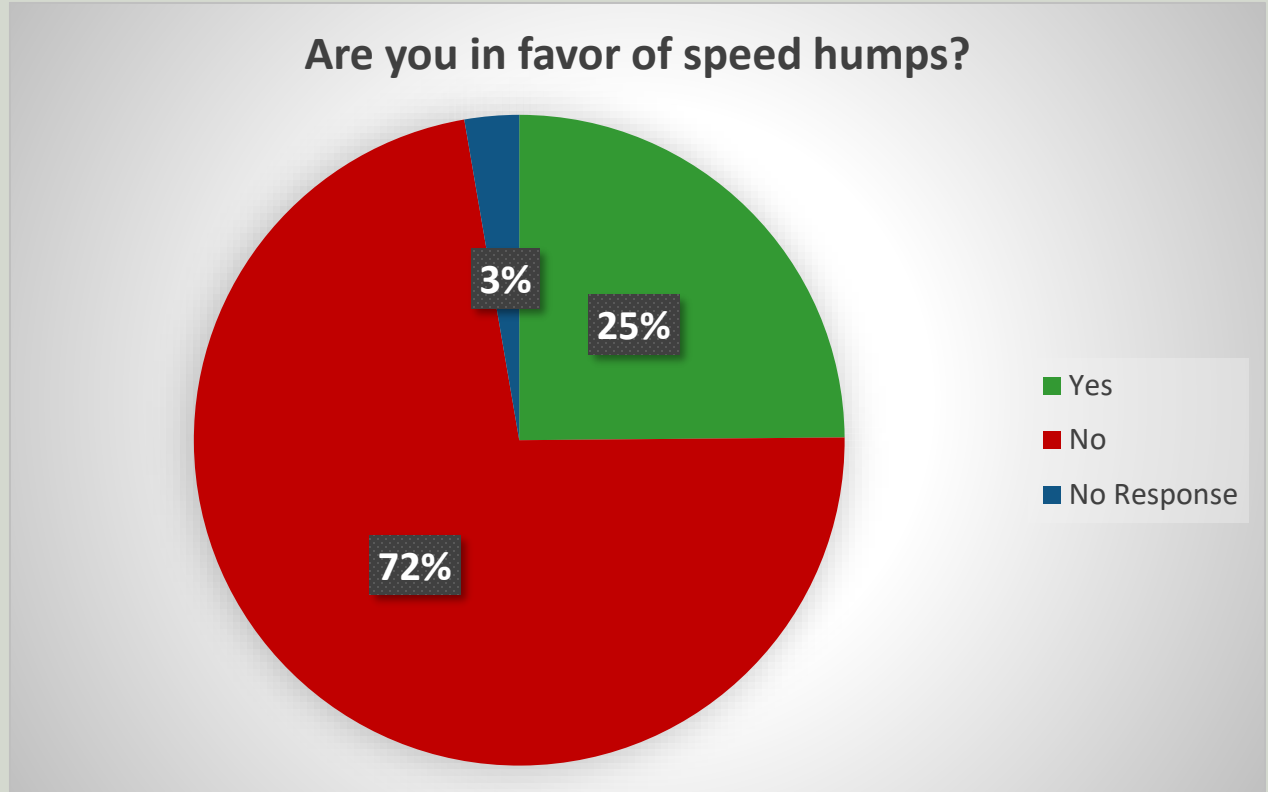


Transportation Plan Questionnaire Results

Speed Humps

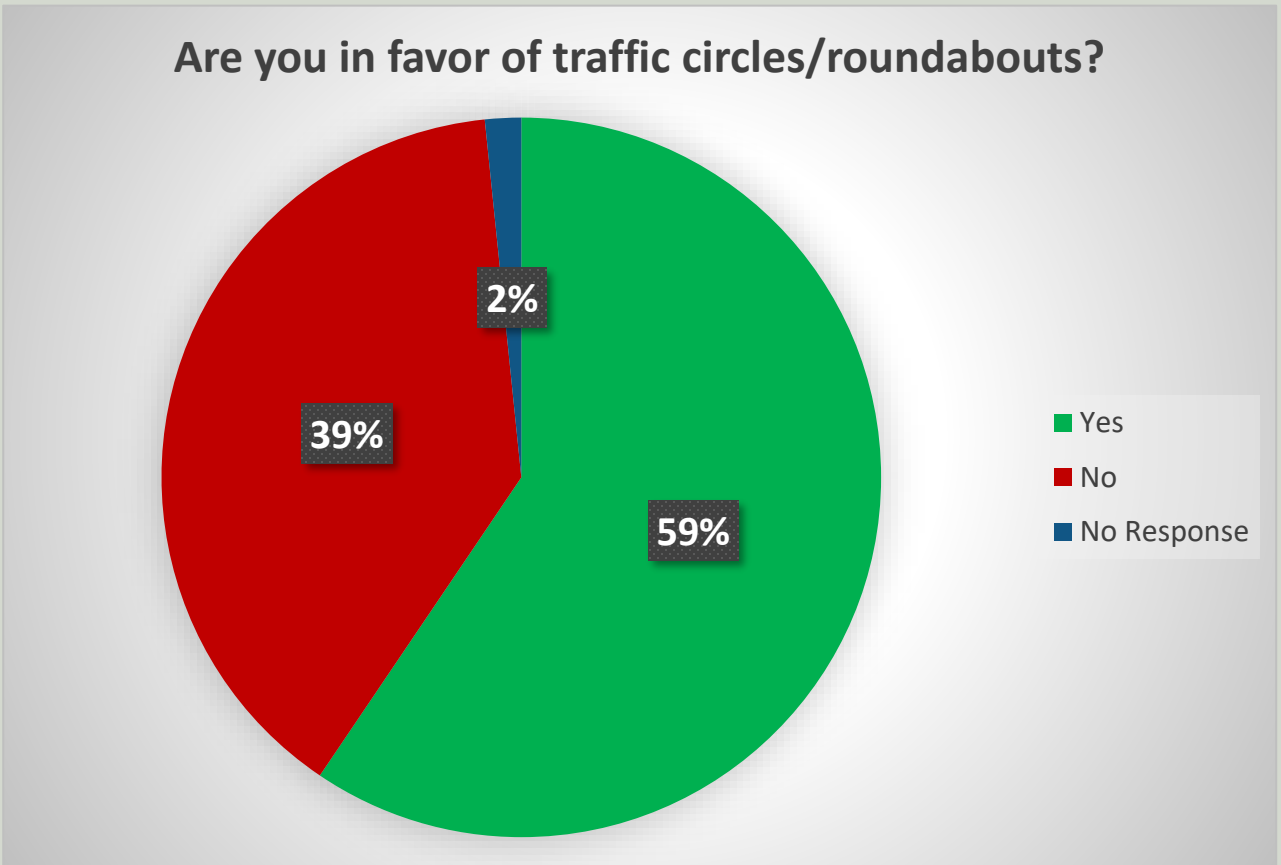


Height: 1 ¼"
Width: 23.5"



Transportation Plan Questionnaire Results

Traffic Circles/Roundabouts



If this requires the purchase of right-of-way, are you still in favor of them?

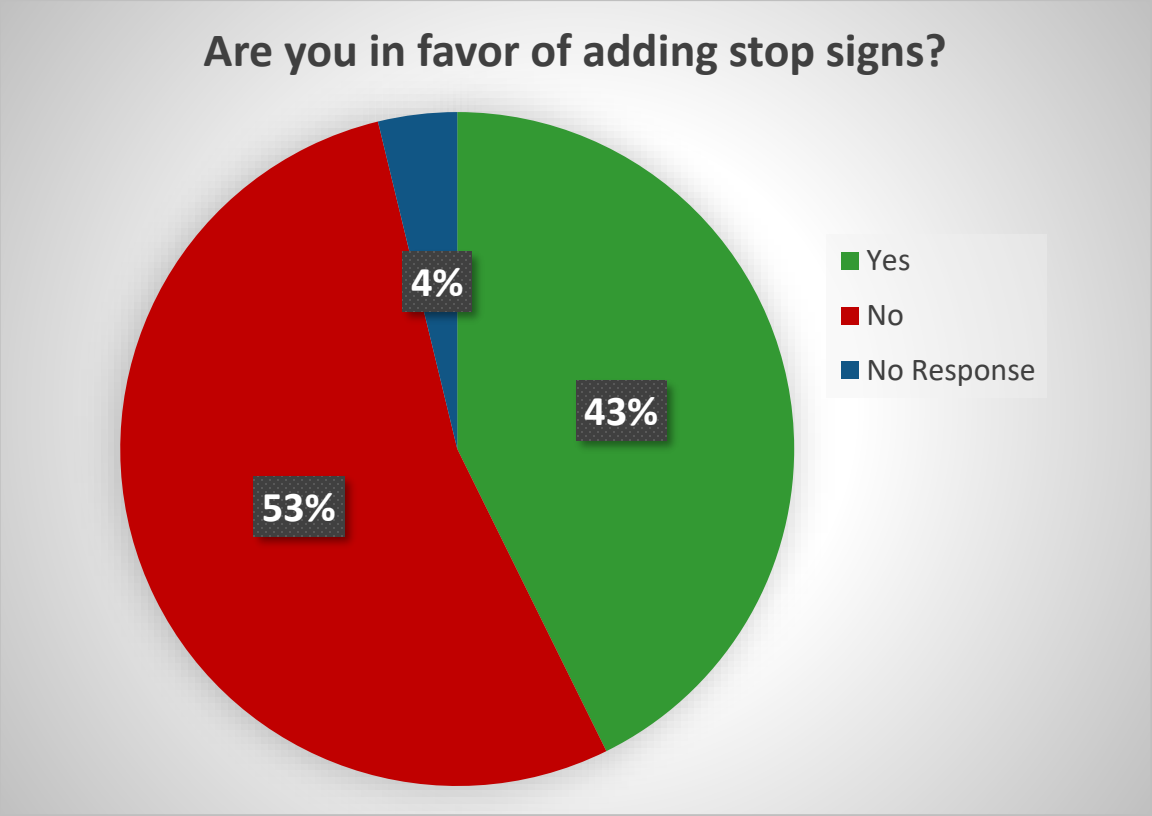
Yes – 76%

Frequently requested locations:

- 4th & Prairie
- 4th & Dalton
- 4th & Wilbur

Transportation Plan Questionnaire Results

Stop Signs

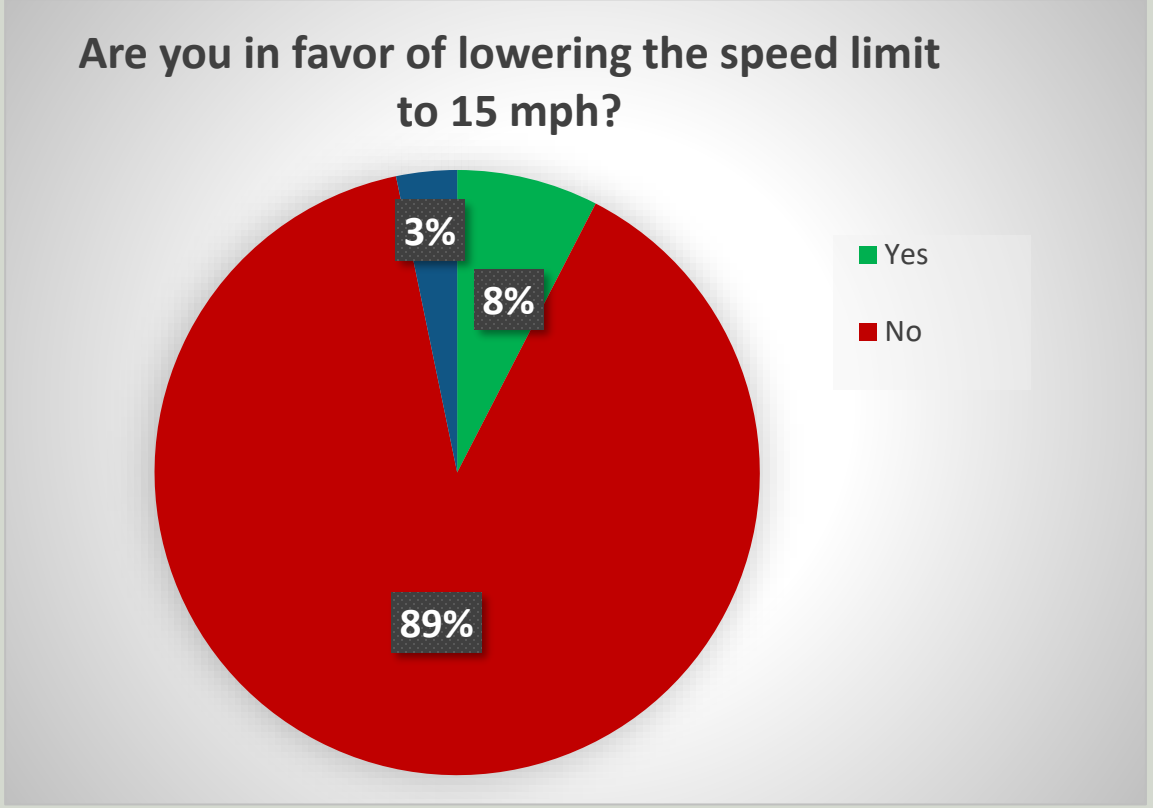


- Frequently requested locations:
- 4th & Wilbur
 - 4th & Deerhaven



Transportation Plan Questionnaire Results

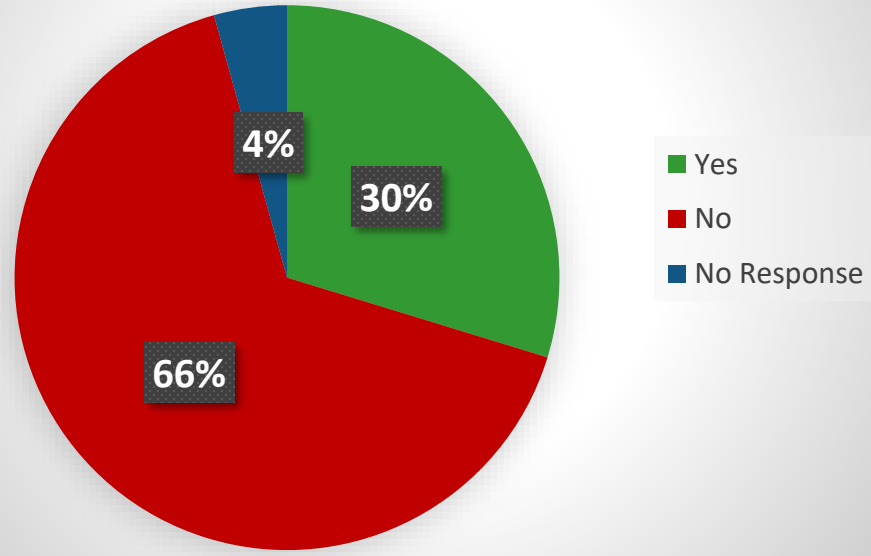
Speed Limit Changes



Transportation Plan Questionnaire Results

Pedestrian & Bike Paths

Are you in favor of developing additional pedestrian and bike paths in Dalton Gardens?



If this requires the widening of roads to accommodate the width of new pedestrian and bike paths, are you still in favor of them?

Yes – 78%

Which roads?

- Dalton
- 4th
- 15th
- Wilbur
- Hanley

Transportation Plan Questionnaire Results

Other Concerns

- Request for law enforcement presence – Enforce existing 25 mph speed limit
- Request for added Rectangular Rapid Flashing Beacon pedestrian signs at crosswalks
- Request for stop bars to be painted at stop sign locations
- More flashing mph signs
- Clearing right-of-way of all obstructions, trimming trees for height clearance





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