



TOWN BOARD WORK SESSION

January 13, 2020 - 5:30 PM

1st Floor Conference Room, 301 Walnut Street, Windsor, CO 80550

GOAL of this Work Session is to have the Town Board receive information on topics of Town business from the Town Manager, Town Attorney and Town staff in order to exchange ideas and opinions regarding these topics.

Members of the Public in attendance are asked to be recognized by the Mayor before participating in any discussions of the Town Board

AGENDA

1. Board/Manager/Attorney Monthly Meeting
2. Transportation Master Plan Discussion - S. Ballstadt
3. Future Meetings Agenda

The Town of Windsor will make reasonable accommodations for access to Town services, programs, and activities and will make special communication arrangements for persons with disabilities. Please call (970) 674-2400 by noon on the Thursday prior to the meeting to make arrangements.



MEMORANDUM

Date: January 13, 2020
To: Mayor and Town Board
Via: Shane Hale, Town Manager
From:
Re:
Item #: 1.



MEMORANDUM

Date: January 13, 2020
To: Mayor and Town Board
Via: Shane Hale, Town Manager
From: Scott Ballstadt, Director of Planning
Re: Transportation Master Plan Discussion
Item #: 2.

Background / Discussion:

This work session is intended to provide Town Board with an overview of the planned direction of the Transportation Master Plan (TMP) recommendations so that the Board can provide staff and the consultant team direction prior to review of a final draft document. Fehr & Peers and staff will walk through the attached presentation slides and allow time for Town Board feedback. This feedback will then be incorporated into the draft TMP document for review at the February 24th Town Board work session prior to scheduling for consideration in March.

ATTACHMENTS:

- ▢ TMP Presentation Slides



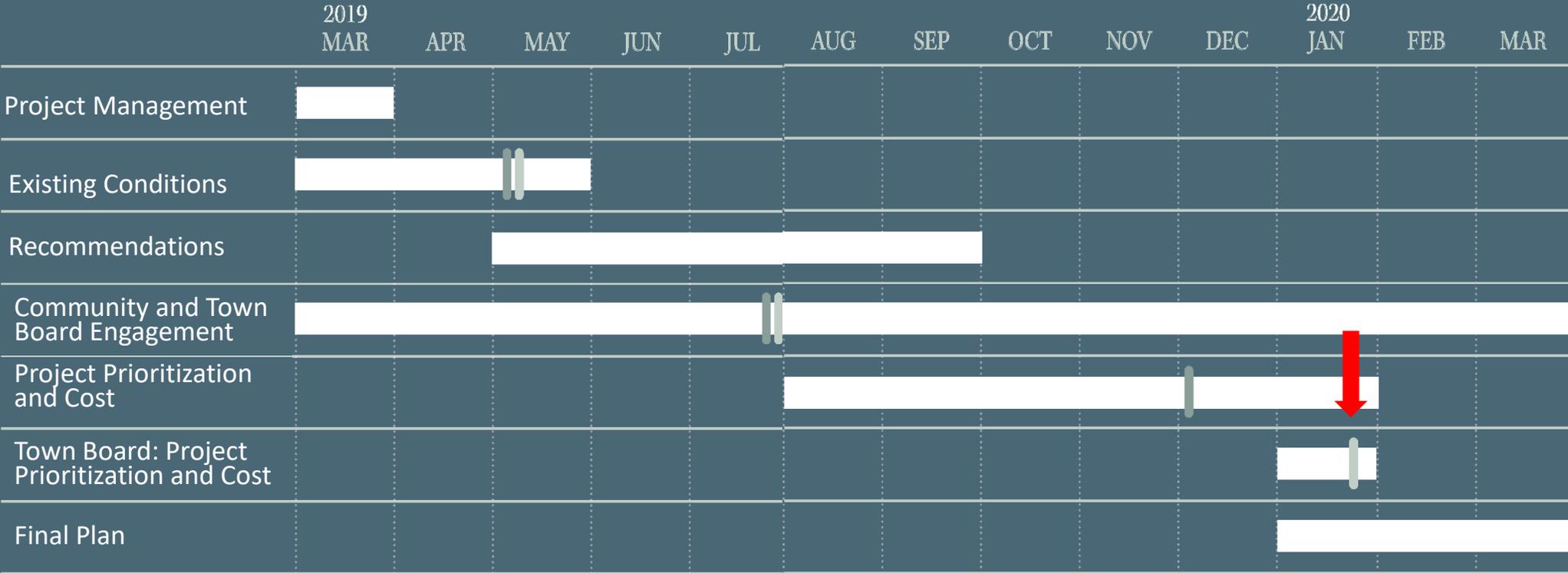
TOWN OF WINDSOR

TRANSPORTATION MASTER PLAN

AGENDA

- Review of Transportation Master Plan Content
- Project Prioritization

Timeline



TOWN BOARD PRESENTATION

TRADITIONAL OPEN HOUSE

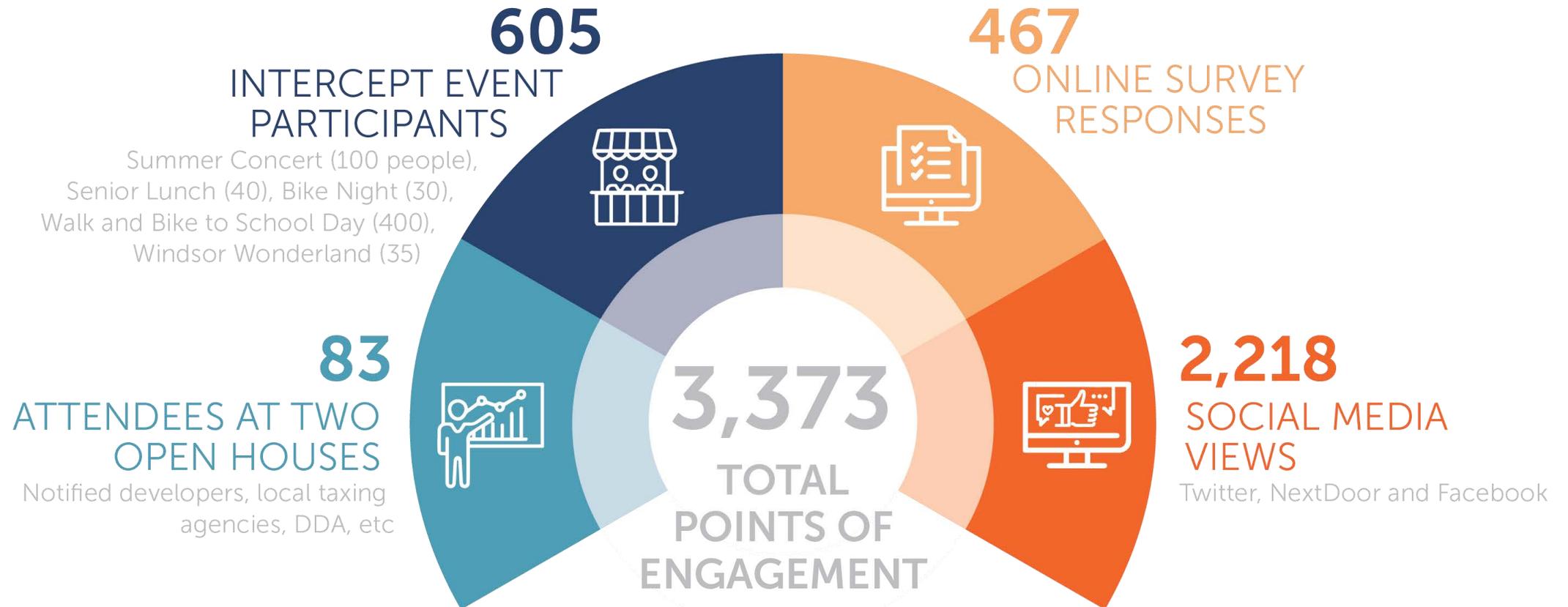
TMP OUTLINE

- Existing Conditions
- Public Outreach Results
- Vision and Goals
- Updates to the Roadway Improvement Plan
- Biking and Walking Recommendations
- Transit Recommendations
- Safety
- Programs and Policies
- Emerging Mobility/Innovation
- Implementation Roadmap

PUBLIC OUTREACH



WHO DID WE HEAR FROM?



VISION, GOALS, AND PERFORMANCE MEASURES



VISION



Windsor's transportation system will serve all ages and abilities through a connected, multimodal network that is safe, efficient, equitable, comfortable, and intuitive.

GOALS

1. SAFETY



A safe multimodal transportation system that reduces stress, injury, and conflict

2. EFFICIENCY



A multimodal network that efficiently moves people and goods.

3. PUBLIC HEALTH



Build a multimodal transportation system that improves public health, environmental sustainability and quality of life for everyone.

4. TRANSPORTATION OPTIONS



A multimodal network of connected complete streets and routes that expand transportation options.

5. REGIONAL COLLABORATION



A regionally connected multimodal network developed through collaboration with regional partners .

6. FISCAL RESPONSIBILITY



Ensure transportation investments are cost-effective and fiscally responsible for all modes of travel.

7. MAINTENANCE



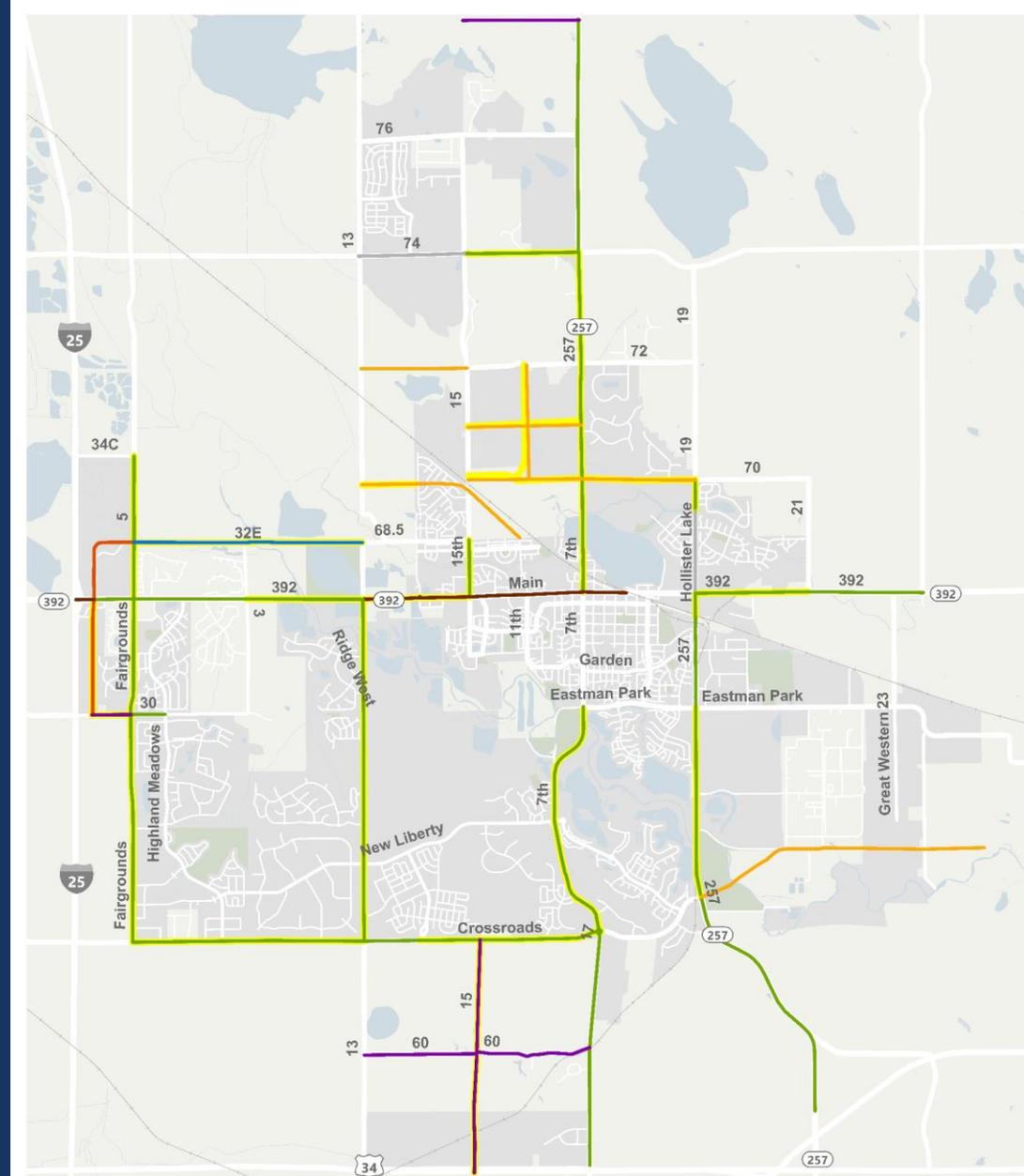
Provide continued maintenance of transportation infrastructure to minimize capital costs.

UPDATES TO ROADWAY IMPROVEMENT PLAN



ROADWAY PROJECTS

- Update the Roadway Improvement Plan with:
 - Completed projects
 - Projects to remove
 - Modifications to extents
 - Adding multi-modal projects with bikeway component
 - Updates to Street Classification



Roadway Projects

- Widen Two to Four Lanes
- Pave
- New Road

- Monitor for Needs
- New Road and Monitor
- Study to Determine
- Completed Since 2017 Plan
- Multimodal Projects

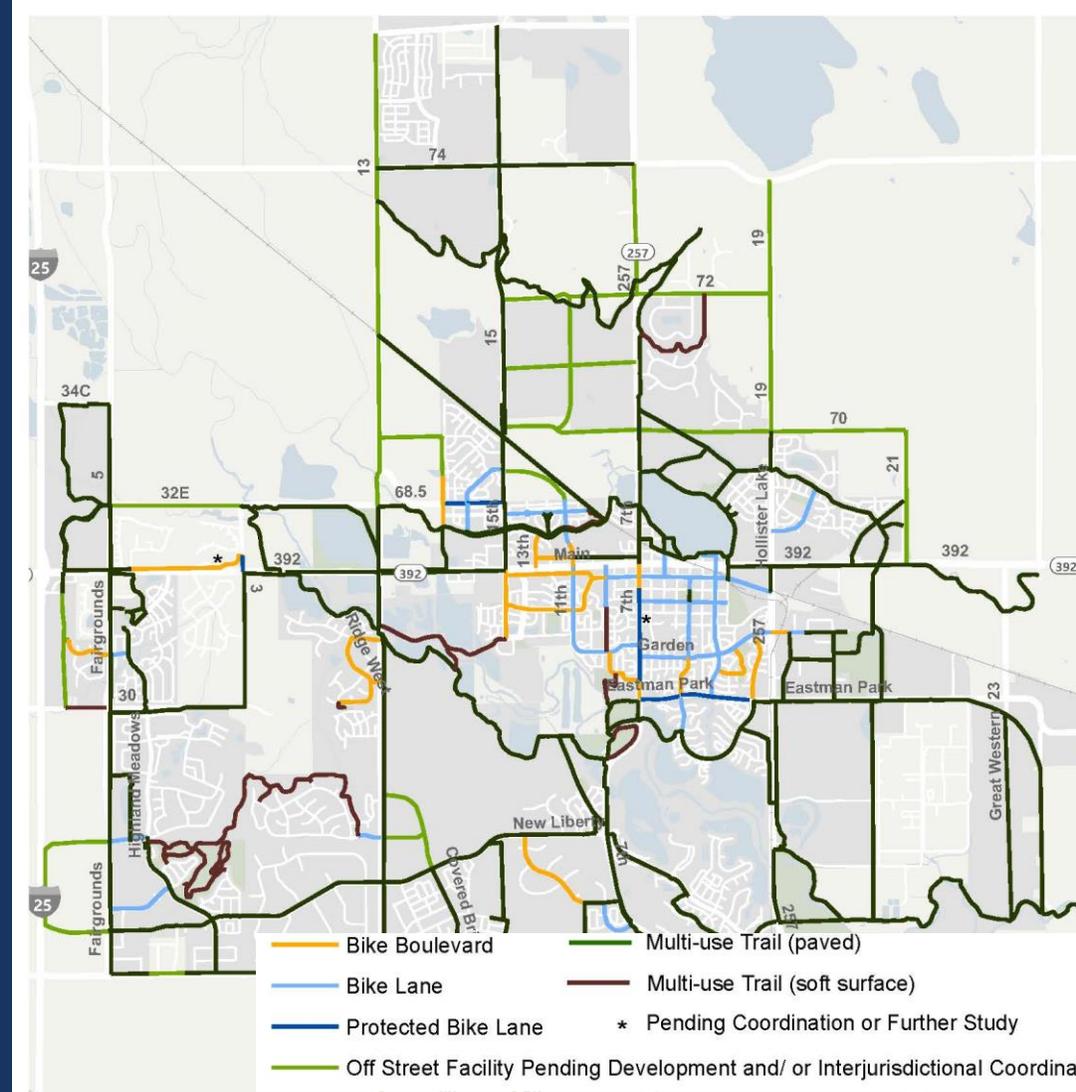
Windsor Roadway Projects

BIKE NETWORK



LOW-STRESS BIKE NETWORK

- Created a connected network of low-stress bicycle facilities based on Level of Traffic Stress methodology
- Provides access to key destinations: parks, schools, trail access points
- Identifies crossing treatment types based on bikeway and roadway characteristics

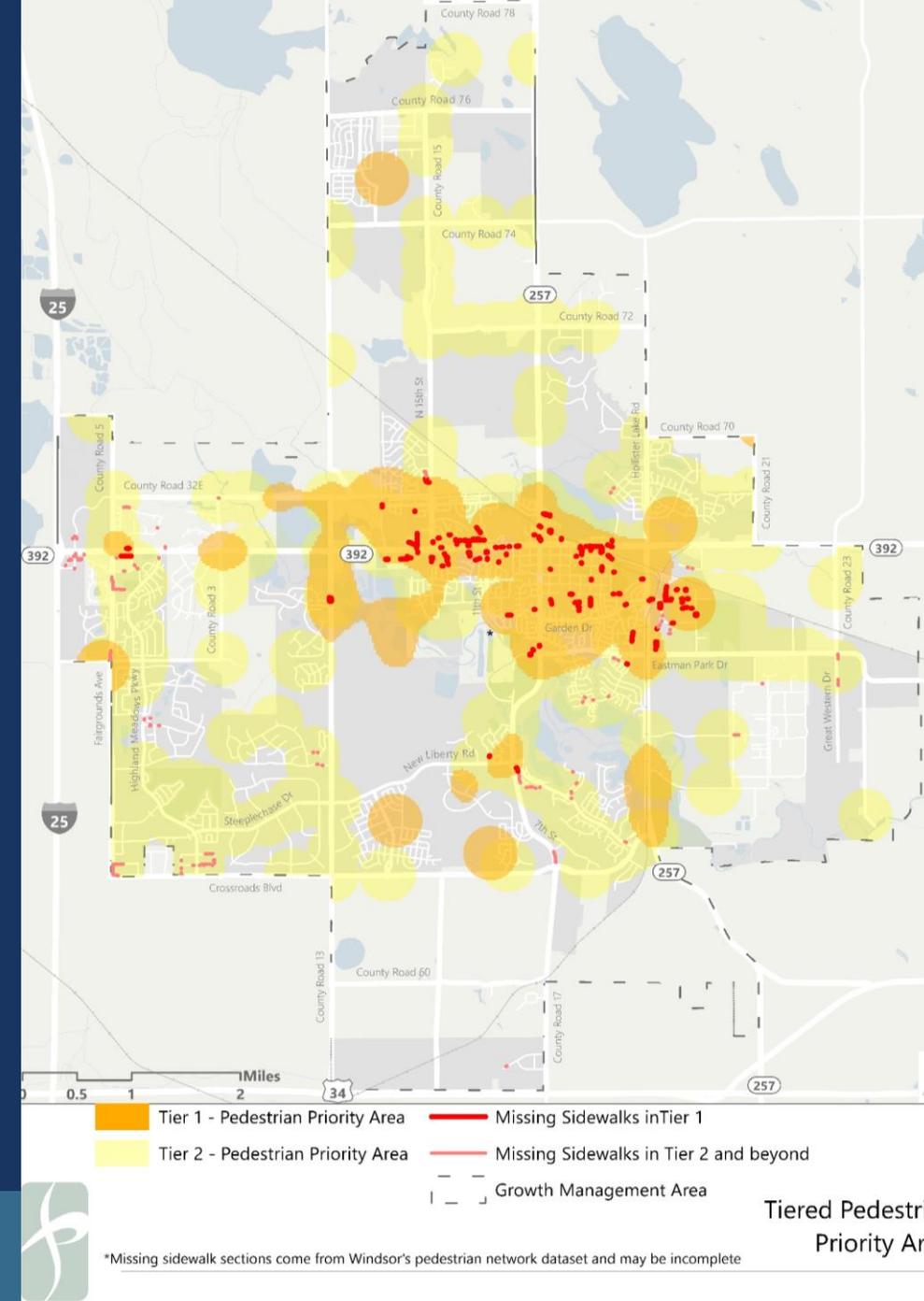


PEDESTRIAN PROGRAM



SIDEWALK GAPS AND UPGRADES

- Identified 3 tiers for prioritizing the completion of sidewalk gaps and then the upgrade of insufficient sidewalks
- Tiers were developed based on high crash locations, schools, trails access points and parks
- Crossing treatment types build off Windsor's Pedestrian Crossing Guidelines



TRANSIT



GET REGIONAL TRANSIT

Greeley >> UNC >> Windsor >> Fort Collins >> CSU						
Greeley Regional Transportation Center	10th Ave & 20th St UNC Central Resident Halls	10th St & 69th Ave McDonald's	Eastman Park Dr & Highway 257 To/mar	Main St & 13th St King Soopers	Harmony Transportation Center	CSU Transit Center
1	2	3	4	5	6	7
5:00 AM	5:10 AM	5:22 AM	5:36 AM	5:44 AM	5:58 AM	6:18 AM
5:25 AM	5:35 AM	5:47 AM	6:01 AM	6:09 AM	6:23 AM	6:43 AM
6:25 AM	6:35 AM	6:47 AM	7:01 AM	7:09 AM	7:23 AM	7:43 AM
7:35 AM	7:45 AM	7:57 AM	8:11 AM	8:19 AM	8:33 AM	8:53 AM
2:35 PM	2:45 PM	2:57 PM	3:11 PM	3:19 PM	3:33 PM	3:53 PM
3:35 PM	3:45 PM	3:57 PM	4:11 PM	4:19 PM	4:33 PM	4:53 PM
5:15 PM	5:25 PM	5:37 PM	5:51 PM	5:59 PM	6:13 PM	6:33 PM

CSU >> Fort Collins >> Windsor >> UNC >> Greeley						
CSU Transit Center	Harmony Transportation Center	Main St & 15th St Safeway	Eastman Park Dr & Highway 257 To/mar	10th St & 69th Ave King Soopers	10th Ave & 20th St UNC Central Resident Halls	Greeley Regional Transportation Center
8	9	10	11	12	13	14
6:40 AM	7:00 AM	7:14 AM	7:22 AM	7:36 AM	7:45 AM	7:58 AM
7:05 AM	7:25 AM	7:39 AM	7:47 AM	8:01 AM	8:10 AM	8:23 AM
8:05 AM	8:25 AM	8:39 AM	8:47 AM	9:01 AM	9:10 AM	9:23 AM
9:15 AM	9:35 AM	9:49 AM	9:57 AM	10:11 AM	10:20 AM	10:33 AM
4:15 PM	4:35 PM	4:49 PM	4:57 PM	5:11 PM	5:20 PM	5:33 PM
5:15 PM	5:35 PM	5:49 PM	5:57 PM	6:11 PM	6:20 PM	6:33 PM
6:55 PM	7:15 PM	7:29 PM	7:37 PM	7:51 PM	8:00 PM	8:13 PM

GET
970-350-9287
www.greeleyevantransit.com

FORT COLLINS ENLARGEMENT

WINDSOR ENLARGEMENT

GREELEY ENLARGEMENT



Bus stop amenities will be based on Ft. Collins' Transfort bus stop standards

FIRST LAST MILE GAP



- Prioritize bicycle and pedestrian infrastructure near bus stops
- Transportation Demand Management strategies such as education, marketing campaigns transit passes, and trip planning apps



- Potential local on-demand service

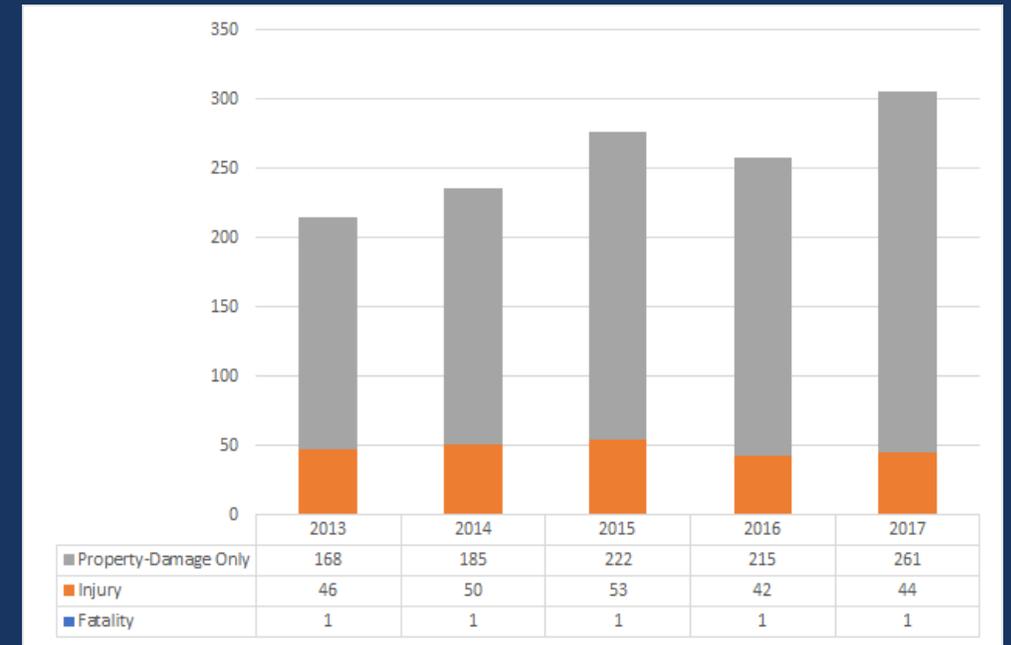
SAFETY



CRASH REDUCTION PROGRAM

Recommendations to:

- Institute an Annual Road Safety Program
- Adopt and Promote a Town-wide Toward Vision Zero Initiative
- Develop a Downtown Bicycle and Pedestrian Safety Plan



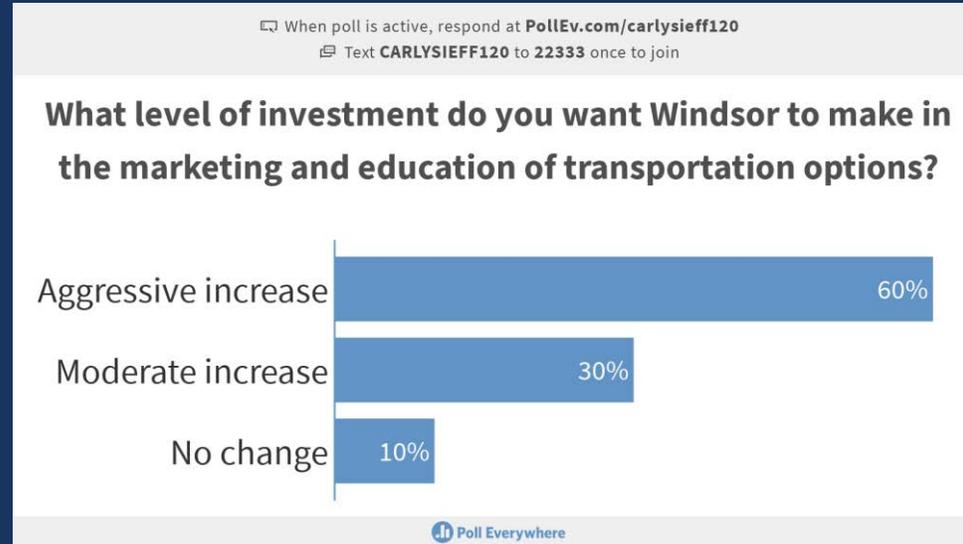
PROGRAMS AND POLICIES



PROGRAMS AND POLICIES



Safe Routes to School



Transportation Demand Management strategies such as education, marketing campaigns transit passes, and trip planning apps

THANK YOU, WINDSOR!

Snowstorm Data from Nov. 25-Dec. 1, 2019

- 22** number of town staff assigned to snow shifts from the Public Works and Parks Departments during a snowstorm.
- 201** center lane miles of Windsor-maintained streets.
- 12** trucks assigned to various areas throughout town per snow shift.
- The town contracted an additional **7 loaders and 4 dump trucks** to help remove snow during the storm.
- 779** approximate hours of manpower used during the holiday week (not including police).
- \$105k** is the initial cost estimate for town-wide snow removal during the storm. The amount is expected to increase over the next few days.
- 311 tons** of Ice-Buster applied.
- 5997** approximate miles driven by snow crews.

Not a single snowman was injured during the plowing of Windsor's roads.

Estimated Population Comparison:
Windsor: 32,000
Greeley: 110,000
Fort Collins: 160,000

⚠️ **Roadside assistance given to over a dozen semis and vehicles during the storm.**

Did you know?
Each of Windsor's snow plows are outfitted with GPS tracking so supervisors can monitor which streets were plowed and which were not.

Check out the snow removal plan at [Windsorgov.com/SnowPlan](https://www.windsorgov.com/SnowPlan).

Maintenance

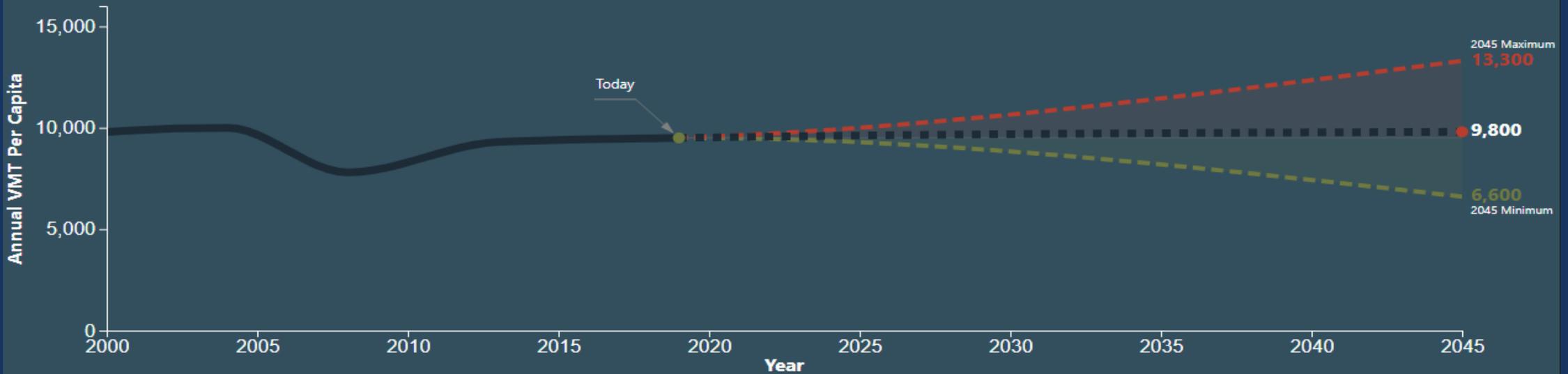
EMERGING MOBILITY & INNOVATION



2045 Forecast

It looks like your land use context has about **9,500** annual VMT per capita, which we'll use as a baseline when considering the effects of your future trend predictions. You can see the direction and magnitude of each trend's impact on VMT through selecting future trend options. Your trend predictions are recorded below, with arrows indicating the direction of change of the trend itself.

Based on your predictions, we think future VMT per capita in your land use context will be about **9,800**. The potential range of change between 2019 and 2045 is from **6,600** to **13,300** VMT per capita and is shown by the zones shaded in green and red.



Land Use Patterns: ↑↑

Vehicle Technology and Ownership Model: ↑↑↑

Bicycle and Pedestrian Environment: ↑

Transit Service: ↑

First/Last Mile, Bikeshare, Shared Micromobility: ↑

Transportation Demand Management: ↑

Labor Force Participation: •

Driving Age Population: ↑

Household Income: ↑

Goods and Services Delivery: ↑↑

Telecommuting and Social Networking: ↑

EMERGING MOBILITY



Car Share



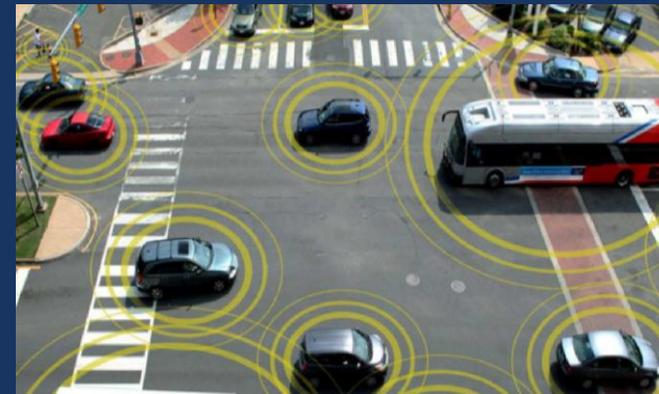
Ride-hailing



Bike/Scooter Share



Electric Vehicles



Autonomous and Connected Vehicles

IMPLEMENTATION ROADMAP



IMPLEMENTATION ROADMAP

- Project prioritization and phasing
- Funding sources
- Implementation considerations
 - Land use
 - Development
 - Connectivity
- Performance measures and monitoring



PROJECT PRIORITIZATION



CIP QUICK WIN PROJECTS

Identified 6 quick win projects. Larger projects will need to be completed in multiple phases, with partial funding in the next CIP.

- CR 15 Multi-Use Path near King Soopers
- CR 17 and Riverplace Drive Pedestrian Crossing Treatment Study
- Colorado Blvd and SH 392 Left Turn Treatment Analysis
- SH 392 AND 7th Street Intersection Multimodal Safety Improvements
- 7th Street: Multimodal Corridor Improvements
- Walnut Street Bikeway

PRIORITIZATION APPROACH

- A community-based, data-driven approach was used to prioritize all projects (roadway and active transportation)
- Identified performance measures tied to the previously established goals:
 - Safety
 - Efficiency
 - Increase transportation options
 - Improve public health
- Using spatial analyses, scored each project (0 to 5) for each of the 5 categories, normalized by project length
- Sum the subscores to determine a final score. Ranked projects by final score.
- Projects were ranked within project type categories.

FUNDING

2019 Town of Windsor Transportation Improvement Projects = \$12.7 million*



78%



11%



11%

**Transportation reserves and TMP cost not included in \$14M total*

Future Town of Windsor and External Grant Funding Goals



33%

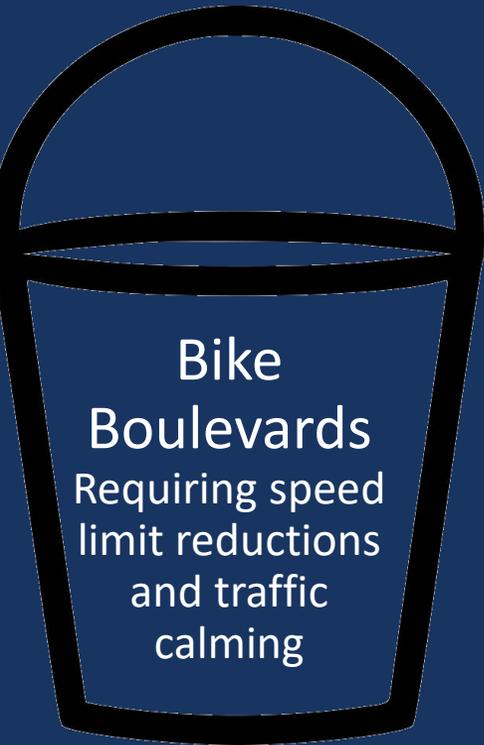


33%



33%

5 CATEGORIES OF PROJECT TYPES



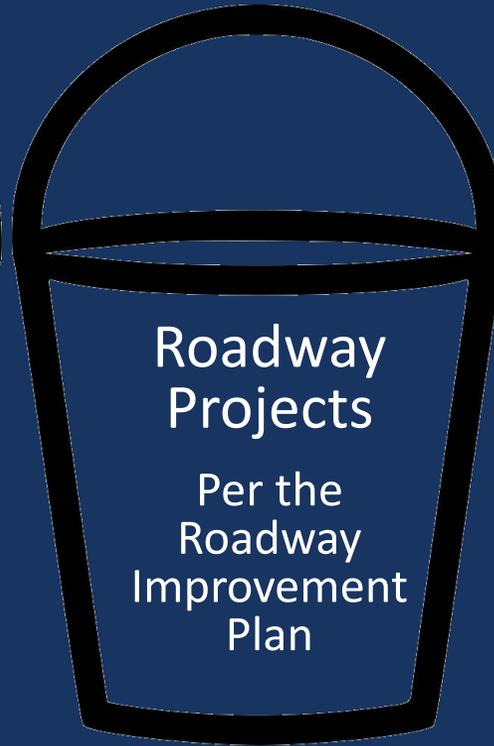
**Bike
Boulevards**
Requiring speed
limit reductions
and traffic
calming



**On-Street
Bicycle
Facilities**
Bike lanes and
protected bike
lanes



**Multi-use
Paths**



**Roadway
Projects**
Per the
Roadway
Improvement
Plan

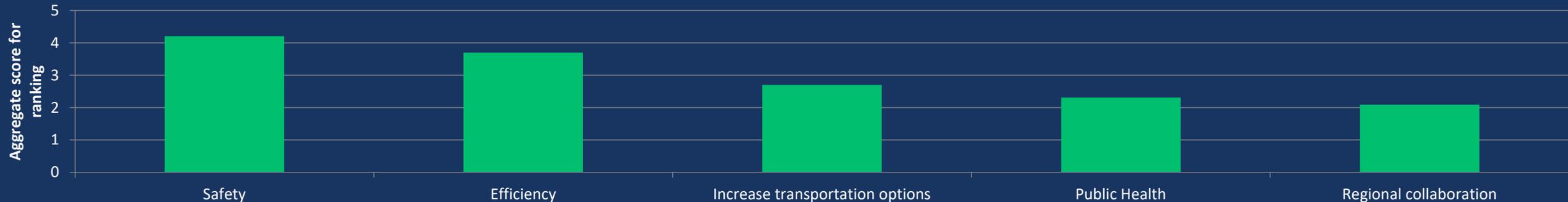
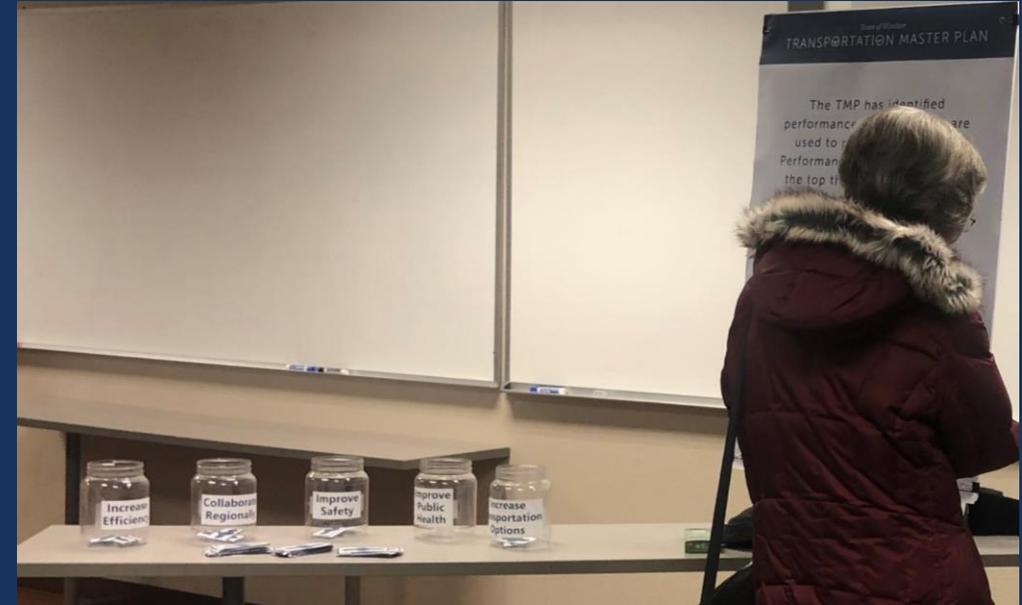


**Multimodal
Projects**
Roadway +
bicycle project

WEIGHTS

The four performance measure inputs were weighted based on public feedback, best practices, and national experience:

- **Safety:** Weight of 3
- **Efficiency:** Weight of 2
- **Increase transportation options:** Weight of 2
- **Improve public health:** Weight of 1



PRIORTIZATION PERFORMANCE MEASURES

Quantitative Factors

- Safety
- Efficiency
- Improve Public Health
- Increase Transportation Options

Qualitative Factors

- Implementing agencies
- Cost

EXAMPLE: BIKE BOULEVARD

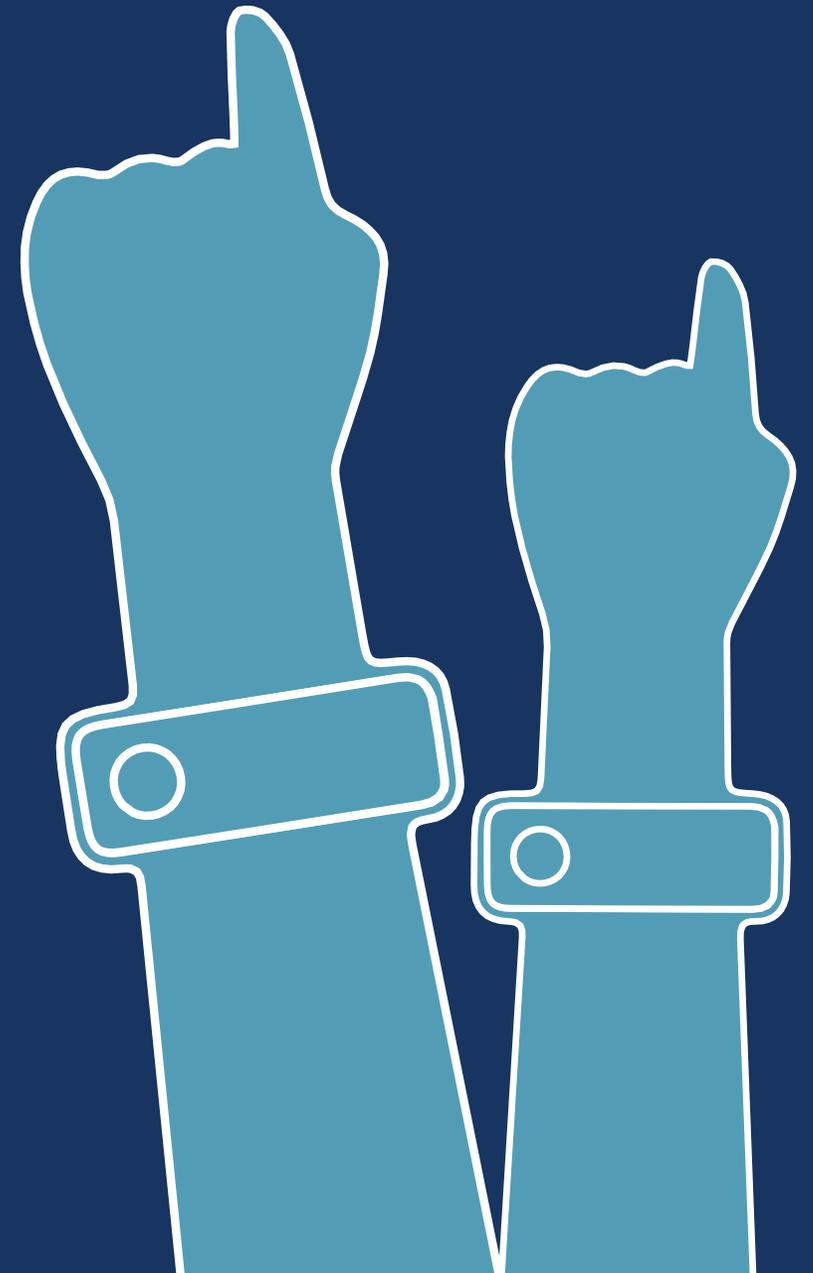
Performance Measures					Safety	Efficiency	Increase transportation options	Improves public health	Sum	Project Type Rank	Regional Collaboration	Cost	Cost/Mi
Weight					3	2	2	1					
Project Street/ Trail	Extent 1	Extent 2	Project 1	Bike Facility	Weight	Weight	Weight	Weight	Sum	Rank	Collaboration	Cost	Cost/Mi
14th St	SH 392	Community Rec Center	Bike	Bike Boulevard	5	1	5	3	30	1	Windsor	\$ 48,000	\$ 260,000
15th St	Fernwood Dr	SH 392	Bike	Bike Boulevard	4	1	4	4	26	2	Windsor	\$ 134,000	\$ 260,000
13th St	SH 392	No. 2 Ditch Trail	Bike	Bike Boulevard	3	1	4	5	24	3	Windsor	\$ 68,000	\$ 260,000
14th St	Hemlock Dr	Eastman Park Dr	Bike	Bike Boulevard	4	1	3	4	24	3	Windsor	\$ 50,000	\$ 260,000
14th St	Main St	Elm St	Bike	Bike Boulevard	5	1	0	5	22	5	Windsor	\$ 49,000	\$ 260,000
Cornerstone Dr	Eastman Park Dr	Garden Dr	Bike	Bike Boulevard	3	1	3	4	21	6	Windsor	\$ 133,000	\$ 260,000
Hemlock-Larch St	7th St	Stone Mountain Dr	Bike	Bike Boulevard	3	1	2	4	19	7	Windsor	\$ 101,700	\$ 260,000
Walnut St	15th St	10th St	Bike	Bike Boulevard	2	1	3	4	18	8	Windsor	\$ 411,700	\$ 260,000
West Ash St	13th St	11th St	Bike	Bike Boulevard	4	1	0	4	18	8	Windsor	\$ 71,400	\$ 260,000
Rochester St	Columbine Dr	1st St	Bike	Bike Boulevard	1	1	3	5	16	10	Windsor	\$ 53,000	\$ 260,000
Columbine Dr	Rochester St	Garden Dr	Bike	Bike Boulevard	1	1	3	5	16	10	Windsor	\$ 56,000	\$ 260,000
Garden Dr	SH 257	Automation Dr	Bike	Bike Boulevard	3	1	0	5	16	10	Windsor	\$ 33,800	\$ 260,000
Windshire Dr	15th St	No. 2 Ditch Trail	Bike	Bike Boulevard	1	1	3	4	15	13	Windsor	\$ 160,200	\$ 260,000
7th St	Dartford Dr	No. 2 Ditch Trail	Bike	Bike Boulevard	1	1	2	4	13	14	Windsor	\$ 105,600	\$ 260,000
Country Farms Dr	End of Road	Fairgrounds Ave	Bike	Bike Boulevard	2	1	0	4	12	15	Windsor	\$ 98,700	\$ 260,000
Ridge West Dr	CR 13	Bison Ridge Park Conn	Bike	Bike Boulevard	1	1	2	3	12	15	Windsor	\$ 259,300	\$ 260,000
Hilltop Dr	Kestrel Dr	New Liberty Rd	Bike	Bike Boulevard	2	1	0	2	10	17	Windsor	\$ 228,500	\$ 260,000
14th St	Garden Dr	Eastman Park Dr	Bike	Bike Boulevard	1	1	0	4	9	18	Windsor	\$ 80,000	\$ 260,000
Ridge West	CR 13 Trail	Ridge West Dr	Bike	Bike Boulevard	1	1	0	4	9	18	Windsor	\$ 25,600	\$ 260,000
Gordon Way	Rea Pkwy	CR 3	Bike	Bike Boulevard	2	1	0	1	9	18	Windsor	\$ 227,100	\$ 260,000

NEXT STEPS

- February 19th – Receive draft TMP in packets
- February 24th – Presentation of draft Plan to Town Board
- March 9th or 23rd – Adoption of TMP, pending comments



QUESTIONS?





MEMORANDUM

Date: January 13, 2020

To: Mayor and Town Board

Via: Shane Hale, Town Manager

From:

Re:

Item #: 3.

ATTACHMENTS:

- Future Meetings Agenda



FUTURE TOWN BOARD MEETINGS

January 20, 2020 6:00 p.m.	Town Board Work Session Land Use Code Update Oil and Gas Location Requirements
January 27, 2020 6:00 p.m.	Town Board Work Session Air Quality Discussion Continued
January 27, 2020 7:00 p.m.	Town Board Regular Meeting
February 3, 2020 6:00 p.m.	Town Board Work Session Investment Process Overview Entertainment District Review
February 10, 2020 5:30 p.m.	Town Board Work Session - Board/Manager/Attorney Monthly Meeting Youth Access to Nicotine Presentation with Larimer County Health and Environment Blue-Green Algee High School Presentation
February 10, 2020 7:00 p.m.	Town Board Regular Meeting
February 17, 2020 6:00 p.m.	Town Board Work Session – CANCELLED due to President’s Day
February 24, 2020 6:00 p.m.	Town Board Work Session Transportation Master Plan
February 24, 2020 7:00 p.m.	Town Board Regular Meeting
March 2, 2020 6:00 p.m.	Town Board Work Session Parks, Recreation and Culture Strategic Plan Draft Presentation
March 9, 2020 5:30 p.m.	Town Board Work Session - Board/Manager/Attorney Monthly Meeting
March 9, 2020 7:00 p.m.	Town Board Regular Meeting Kern Board
March 16, 2020 6:00 p.m.	Town Board Work Session

Additional Events

- | | |
|------------------|--|
| January 18, 2020 | Coffee with the Mayor, Coffee House 29, 1039 Main Street, Windsor, CO
7:30-9:00 a.m. – attending: Melendez, Baker, Rennemeyer, Wilson |
| January 22, 2020 | BizWest Economic Forecast, Double Tree by Hilton, 919 7 th Street,
Greeley, CO 11:00 a.m. – 1:30 p.m. – attending: Bennett, Sislowksi,
Melendez |

Future Work Session Topics

- Land Use Code Update meeting with Planning Commission (next code section in series) – Planning
- Economic development/retail needs at 60,000 population
- Parks and Recreation Strategic Plan