

INTRODUCTION

active transportation plan

- The Active Transportation Plan is a comprehensive guide outlining the vision for active transportation in the City
- Strives to improve the accessibility and connectivity of the bicycle and pedestrian network for all residents



INTRODUCTION

purpose of the active transportation plan

- Update the 2010 Bicycle, Pedestrian & Trails Master Plan
- Provide guidance and prioritization for the development of bicycle and pedestrian networks to better connect people to their destinations



INTRODUCTION

items of discussion

- Project Background and Goals
- Community Outreach & Participation
- Pedestrian and Bicycle Networks
- Plan Implementation
- General Plan Amendment & Environmental Assessment



ACTIVE TRANSPORTATION PROJECT

Prioritization Tool

- The tool was developed at the request of several community organizations. Variables were based on criteria included in the plan and typical grant funding and project considerations.
- Comment letters regarding adjustments to categorical scoring were received and evaluated.
- Overall, scores were impacted minimally by the alternatives proposed.



ACTIVE TRANSPORTATION PROJECT

Prioritization Tool

- Projects ranking in the top three included the same three projects.
- The recommendation to provide points to areas with 'no connectivity to key destinations within one mile' had no impact to any of the projects, and is counter to grant requirements.
- Removing feasibility and engineering considerations from the tool as suggested is symbolic in the sense that it does not remove these considerations as a variable to overall project feasibility. Due to finite funding and grant requirements that cap infrastructure costs, these variables will need to be evaluated fully when selecting projects.

Original Ranking					
Rank	Project	Score			
1	Midtown Trail	85			
2	Butler Bike lane	84			
3	School Area Signals	83			
4	Ashlan Sidewalk	71			
5	L Street Signals	73			
6	McKinley Sidewalk	61			
7	Herndon Trail	59			
8	Copper Trail	51			
8	Woodward Sidewalk	51			

Alternative Ranking					
Rank Project		Score			
1	Butler Bike lane	84			
2	Midtown Trail	81			
3	School Area Signals	77			
4	McKinley Sidewalk	74			
5	L Street Signals	68			
6	Herndon Trail	55			
7	Ashlan Sidewalk	54			
8	Copper Trail	41			
9	Woodward Sidewalk	40			





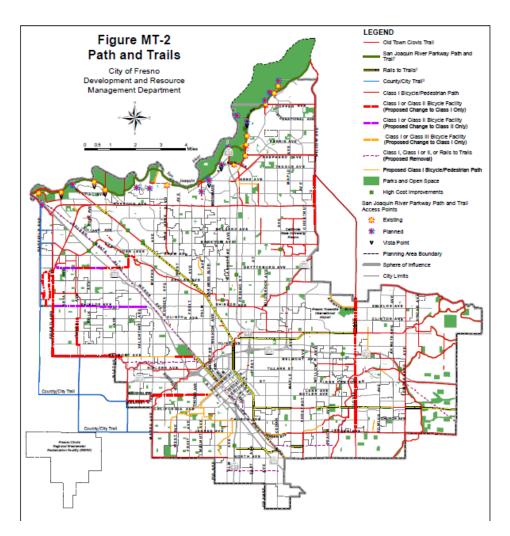


GENERAL PLAN AMENDMENT & ENVIRONMENTAL CLEARANCE

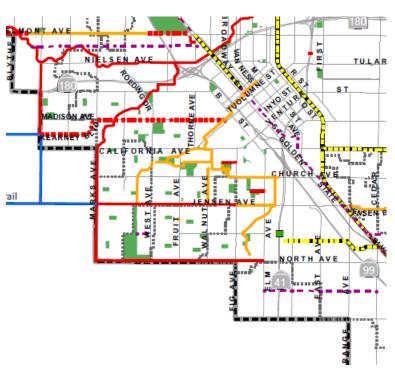












LEGEND

Old Town Clovis Trail

San Joaquin River Parkway Path and
Trail¹

Rails to Trails2

County/City Trail³

Class I Bicycle/Pedestrian Path

Class I or Class II Bicycle Facility
(Proposed Change to Class I Only)

Class I or Class II Bicycle Facility
(Proposed Change to Class II Only)

Class I or Class III Bicycle Facility
(Proposed Change to Class I Only)

Class I, Class I or II, or Rails to Trails (Proposed Removal)

Proposed Class I Bicycle/Pedestrian Path

Parks and Open Space

High Cost Improvements



public comment A-15-016

- Council District Project Review Committees
 - Districts 2 and 4: Recommended approval
 - District 3: Reviewed
 - Tower /Fulton Districts: Recommended Approval
 - Districts 1, 5, and 6: Lacked quorum, but informally supportive
- Airport Land Use Commission made finding of consistency



environmental analysis

- Mitigated Negative Declaration was prepared for the project.
- Project specific mitigation measures apply to:
 - Any sites with hazardous materials
 - Protecting the operation and maintenance of canals



staff recommendation

active transportation plan

- ➤ ADOPT Environmental Assessment No. A-16-015 a Mitigated Negative Declaration dated November 17, 2016;
- RESOLUTION Adopting the Active Transportation Plan and Approving Plan Amendment Application No. A-16-015, to amend the Fresno General Plan Map (Figure MT-2: Paths and Trails) and related text, as described in Exhibit B;



NEXT **STEPS**

what's next?

- Coordinate with Parks Master Plan
- Pursue grant funding for ATP projects on priority network
- Update plan every five years



THANK YOU



QUESTIONS?



FEHR & PEERS





BACK-UP SLIDES



FEHR & PEERS





DEVELOPING THE ACTIVE TRANSPORTATION PLAN



FEHR PEERS

PROJECT BACKGROUND

what is an active transportation plan



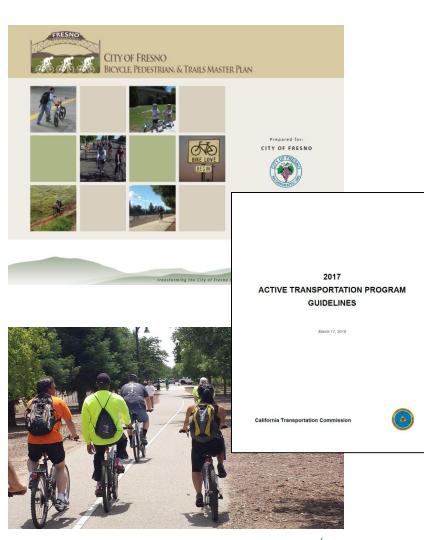


PROJECT BACKGROUND

purposeof the plan

- Update Bicycle Master Plan
- Create a vision for walking and biking in Fresno
- Meet funding requirements
- Prioritize City funds for highest and best use





PROJECT **GOALS**

objectives for active transportation plan

- Equitably improve safety and perceived safety of walking and bicycling
- Increase walking and bicycling trips by creating user-friendly facilities
- Improve geographic equity of access to walking and bicycling facilities
- >> Fill key gaps in walking & bicycling network



PLAN **DEVELOPMENT**

planning process

Gather Existing
Data and Conduct
Initial Outreach

March – May

Develop
Draft Bike &
Walk Network

June – August

Develop Draft Active Transp. Plan

September-October Final Plan for Public Hearing & Adoption

November – December







Community & Stakeholder Outreach







FEHR PEERS

hearing_{from the} community

- Stakeholder Meetings:
 - Apr 2016: Develop goals
 - July 2016: Feedback on draft networks
 - Oct 2016: Feedback on draft plan
- Public Workshops
 - May 2016: Desires for the plan
 - Aug 2016: Feedback on draft networks

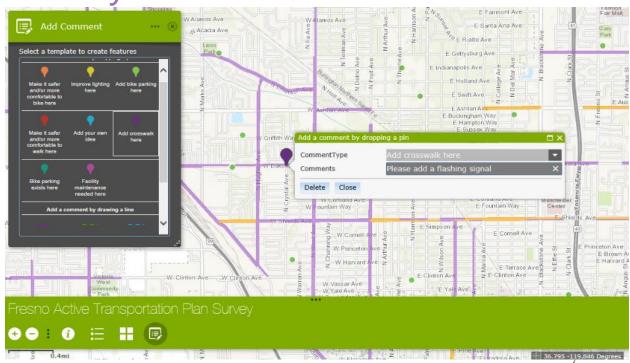






hearing_{from the} community

Online Map Survey





FEHR PEERS

Summary of community input

- Add facilities to major streets/complete planned network
- Add protected bike lanes
- Improve lighting
- Disparities between North & South Fresno
- Maintenance Issues



Summary of community input

- Concerns with stray dogs
- Improve narrow sidewalks
- Make it safer to cross streets, especially near schools
- Add bicycle parking
- Add landscaping



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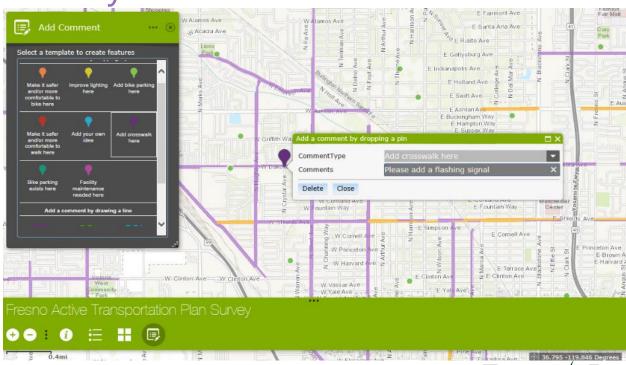






hearing_{from the} community

Online Map Survey





stakeholder advisory committee

- BPAC
- Caltrans
- Central, Clovis & Fresno Unified
- Centro La Familia
- Community Medical Center
- CSU Fresno
- Cultiva La Salud
- DARM, FAX, PARCS, Police
- Downtown Fresno Foundation
- Fresno Cycling Club



- Fresno Center for New Americans
- Fresno Council of Governments
- Fresno Co. Dept. of Public Health
- Fresno Irrigation District
- Fresno Metro Ministry
- Peds and Pedals
- SJV Air Pollution Control District
- SEFCEDA
- Maddy Institute
- Tree Fresno
- United Learning Foundation
- West Fresno Family Resource Center



Summary of community input

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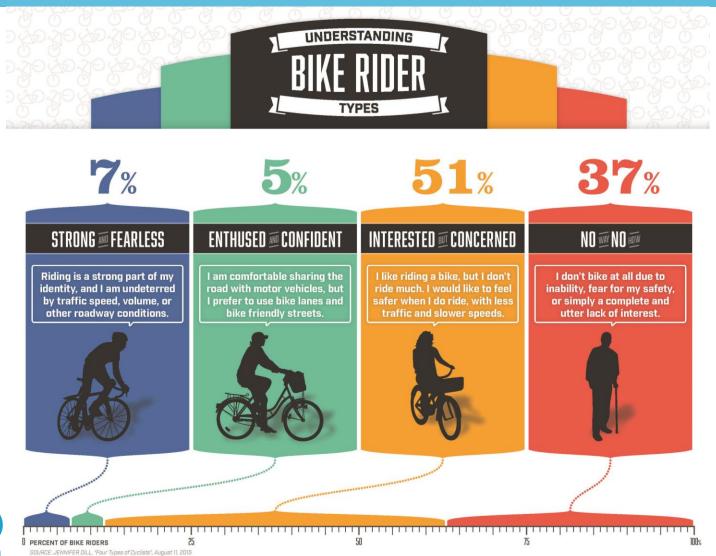


BICYCLE NETWORK

FRESH STATES

FEHR PEERS

BICYCLE **USERS**





BICYCLE **FACILITIES**

Class III



Class II Buffered

Class IV

Class I











Least Separation

➤ Most Separation



PLAN City of active transporta

PLANNED **NETWORKS**

bicycle build out network

Туре	Existing	Proposed	Total
Class I Bike Paths	38	166	204
Class II Bike Lanes	431	691	1,122
Class III Bike Routes	22	69	91
Class IV Separated Bikeways	0	21	21
Total miles	491	947	1,438



PLANNED **NETWORKS**

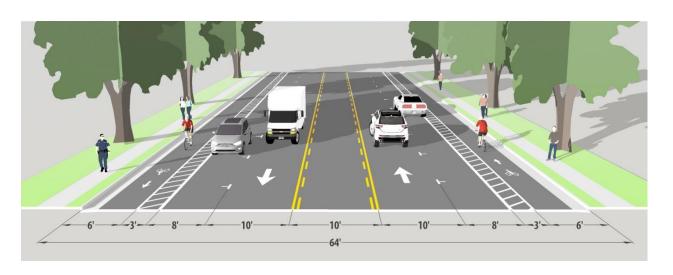
bicycle priority network

- >> Focus on connecting city & key destinations
- Create a backbone network of lower-stress facilities that attract more bicycle riders



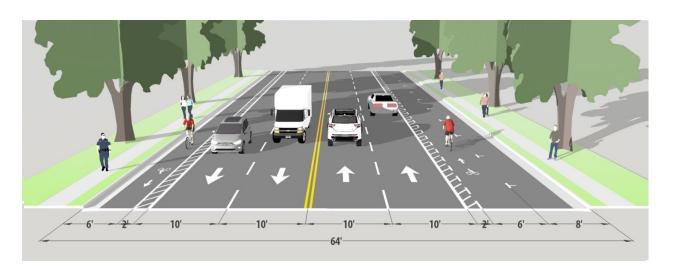
PLANNED bicycl FRESNO active transportation plan

conceptual implementation





conceptual implementation





developing the planned networks

- Reflect public input received through workshops, online map survey
- Reviewed existing bike and pedestrian networks



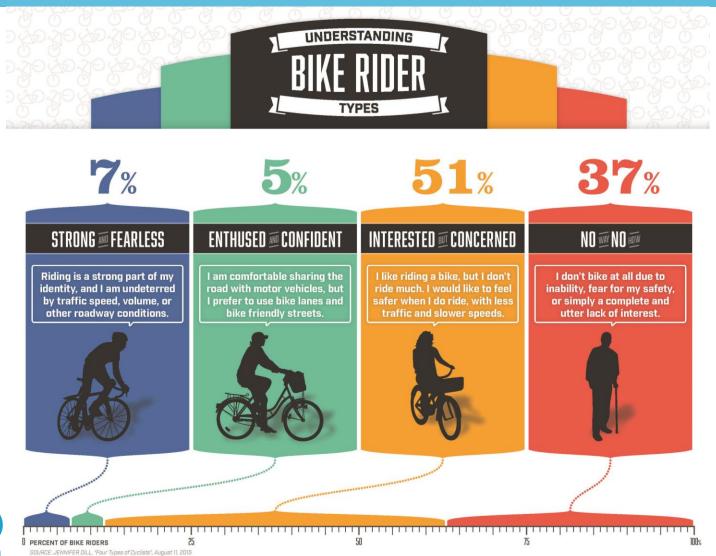
developing the planned networks

- Considered community characteristics, including:
 - Access to transit, schools, parks, and other destinations
 - Community demographics, such as auto ownership, income, employment and population density



City of

BICYCLE **USERS**



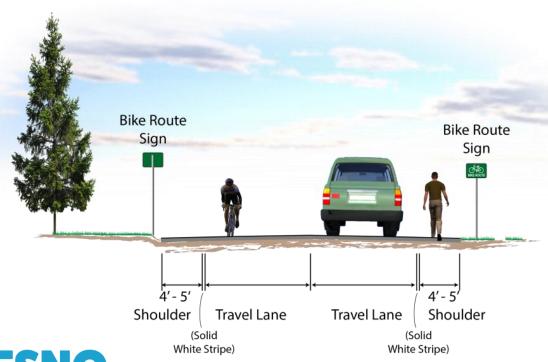


BICYCLE **USERS**





class III bike routes



CLASS III - Bike Route

Provides a shared use with pedestrians or motor vehicle traffic, typically on lower volume roadways.



MUTCD D11-1



MUTCD R4-11



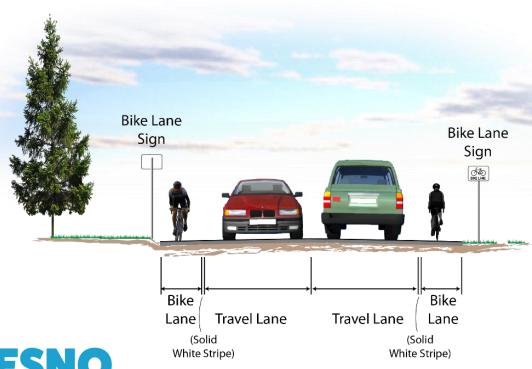
class III bike routes

- Designated route for bicyclists
- Share travel lanes with autos
- Fills in gaps in network where other bike lanes or paths may not be feasible or appropriate





class II bike lanes



CLASS II - Bike Lane

Provides a striped lane for one-way bike travel on a street or highway.



MUTCD R81 (CA)



class II bike lanes

- Dedicated on-street space for bicyclists
- Denoted by white stripe, markings, signage





class I buffered bike lanes







Bike Lane

Sign

Bike

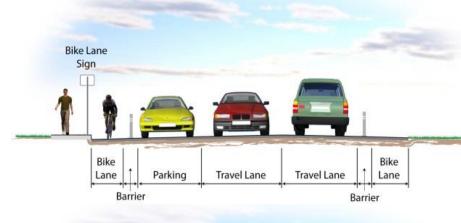
Lane

Bike

Lane

Barrier

class IV separated bikeways



Travel Lane

Travel Lane

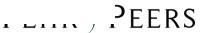
CLASS IV - Separated Bikeway (One-Way Cycle Track)

Provides a protected lane for one-way bike travel on a street or highway.



Parking





class IV separated bikeways

- Fully protected on-street space for bicyclists; protected via raised/vertical element
 - Parked cars
 - Planter boxes
 - Raised curb
 - Flexible posts







class IV separated bikeways







class I bike paths



CLASS I - Multi-Use Path

Provides a completely separated right-of-way for exclusive use of bicycles and pedestrians with crossflow minimized.



MUTCD R44A (CA)



class I bike paths

Off-street pathway that allows bicyclists and pedestrians, no autos





bicycle build out network

- Highly connected network that will take many years to fully implement
 - Class I bike paths along canals, waterways, rail
 - Class II bike lanes on most arterial & collector streets (half-mile grid)
 - Class III bike routes to fill-in gaps; parallel to high speed, high traffic corridors



bicycle priority network

- >> Focus on connecting city & key destinations
- Create a backbone network of lower-stress facilities that attract more bicycle riders





WALKING NETWORK

FRESH STATES

FEHR PEERS

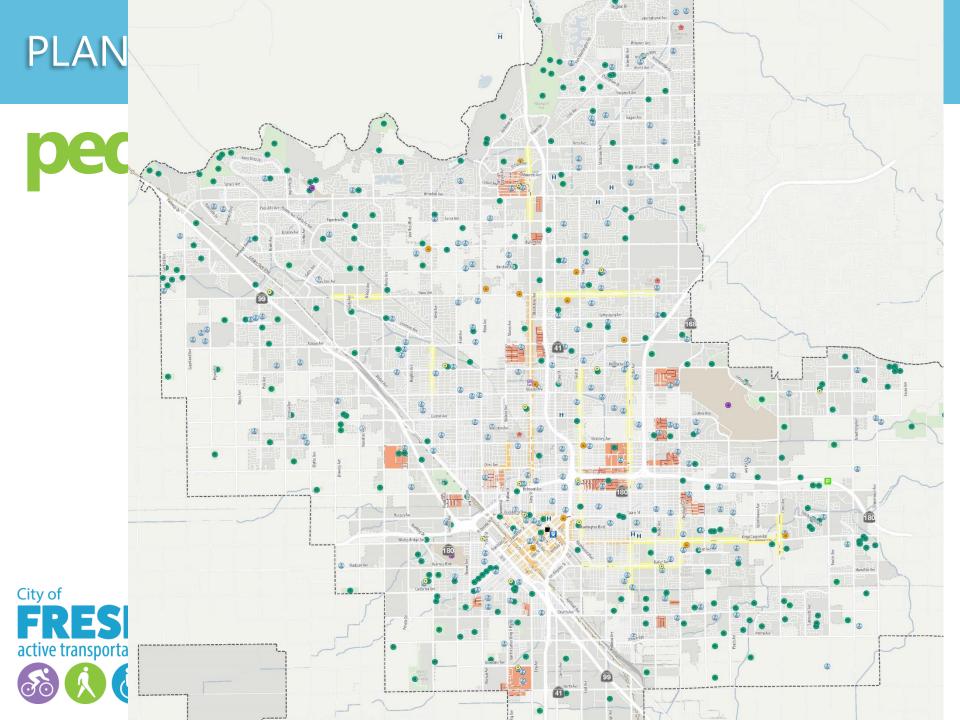
developing the pedestrian network

Identify missing sidewalks & pedestrian needs based on input from public workshops and

online map survey

Prioritize areas for pedestrian infrastructure improvements





pedestrian improvements











pedestrian improvements



pedestrian improvements



Dáliota Avel

developing the pedestrian network

Identify missing sidewalks & pedestrian needs based on input from public workshops and

online map survey

Prioritize areas for pedestrian infrastructure improvements



pedestrian improvements











pedestrian improvements



pedestrian improvements



Dáliota Avel



pedestrian treatments







pedestrian treatments







bicycle treatments







bicycle treatments







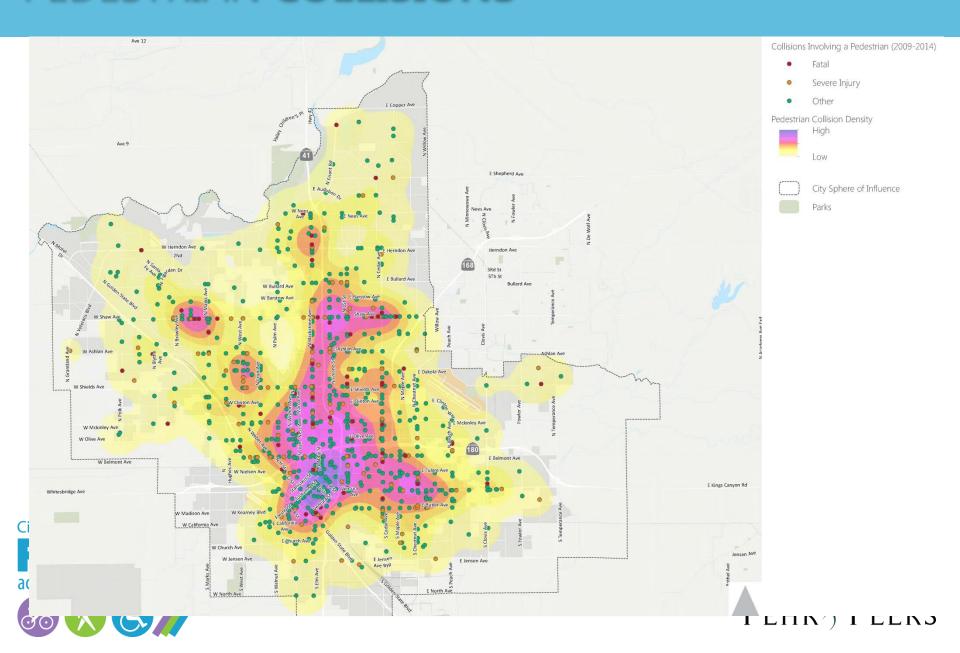
ACTIVE TRANSPORTATION PLAN

differences with bicycle master plan

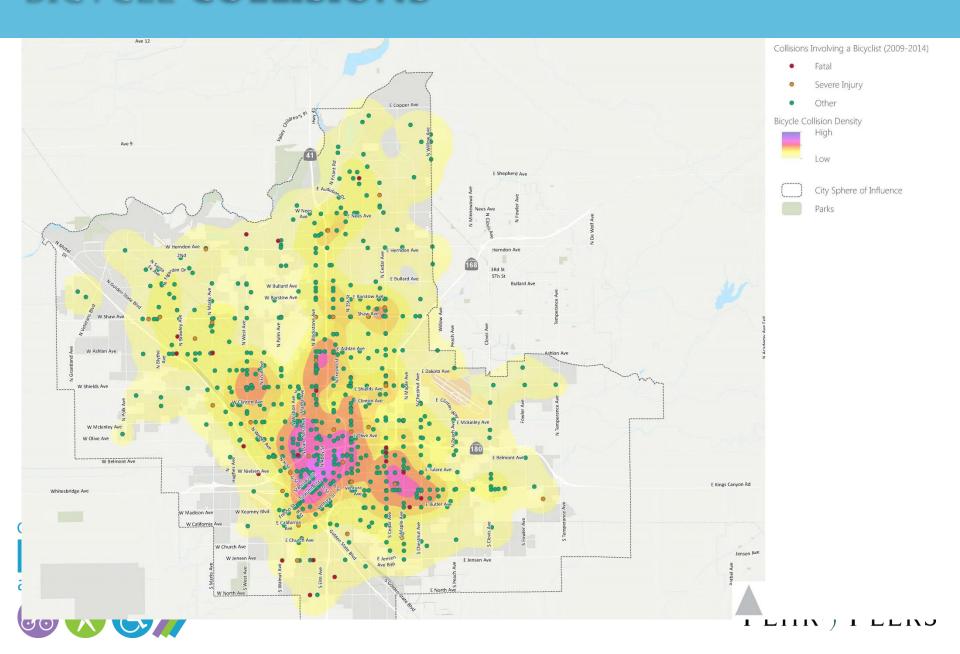
- >> Focuses on near term priority network
- Pedestrian network
- >> Equity is a driving factor



PEDESTRIAN COLLISIONS



BICYCLE COLLISIONS





PLAN IMPLEMENTATION



FEHR PEERS

PLAN **IMPLEMENTATION**

implementing the planned networks

- As part of development on adjacent properties through development code & city standards
- In conjunction with maintenance and roadway projects
- Specific active transportation projects, such as Midtown Trail



PLAN IMPLEMENTATION

estimating the COSt

"Planning-level" cost estimate; not necessarily direct cost to City as some may be constructed by development

Type	High Priority	Medium Priority	Low Priority	Total
Bikeways (incl. trails)	\$89.8 million	\$264 million	\$602 million	\$955.8 M
Sidewalks	\$24.9 million	\$94 million	\$247 million	\$365.9 M
Total	\$114.7 M	\$358 M	\$849 M	\$1,321.7 M

