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12/21/2018



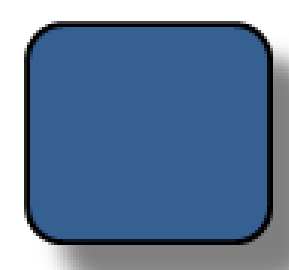
### Oak Street Bicycle Corridor Study Site Map

- Existing Bikeways
- BRT
- Oak St Bicycle Corridor
- Planned Bikeways
- Streets
- Freeways
- Parcels
- Parks, Desert Preserve, Golf
- ★ Project Location

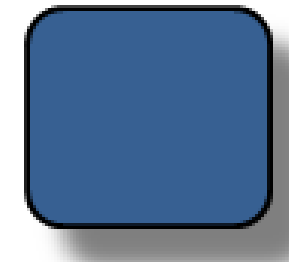




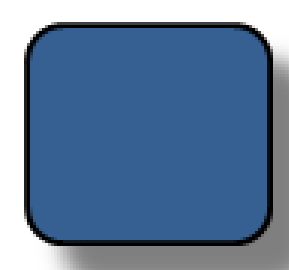
# Oak Street Improvements Project - Improvement Types



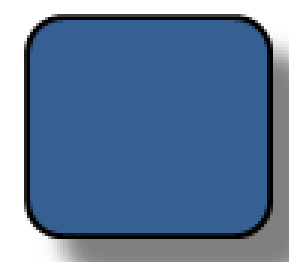
**Bike Lanes**



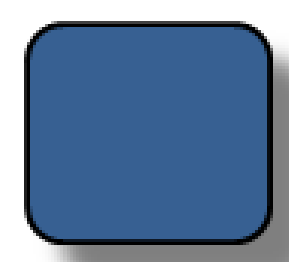
**Two-Way Cycle Track**



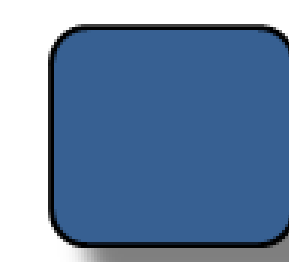
**Sidewalks**



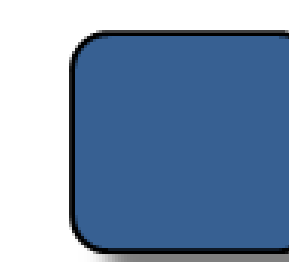
**Intersection Pavement  
Markings and Improvements**



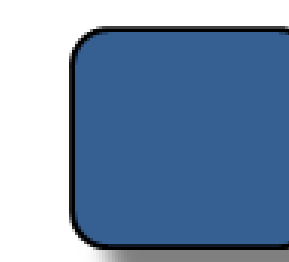
**Signage**



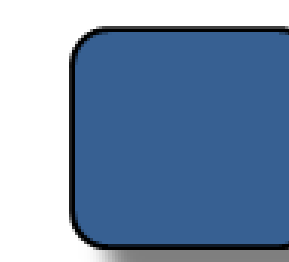
**Street Lighting**



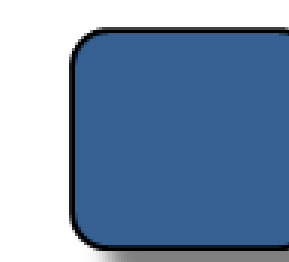
**Traffic Calming**



**Improved Drainage**



**Improved Crossings of 7th Street,  
16th Street and Thomas Road**



**Improved Connectivity to Grand Canal and Future  
20th Street Improvements**

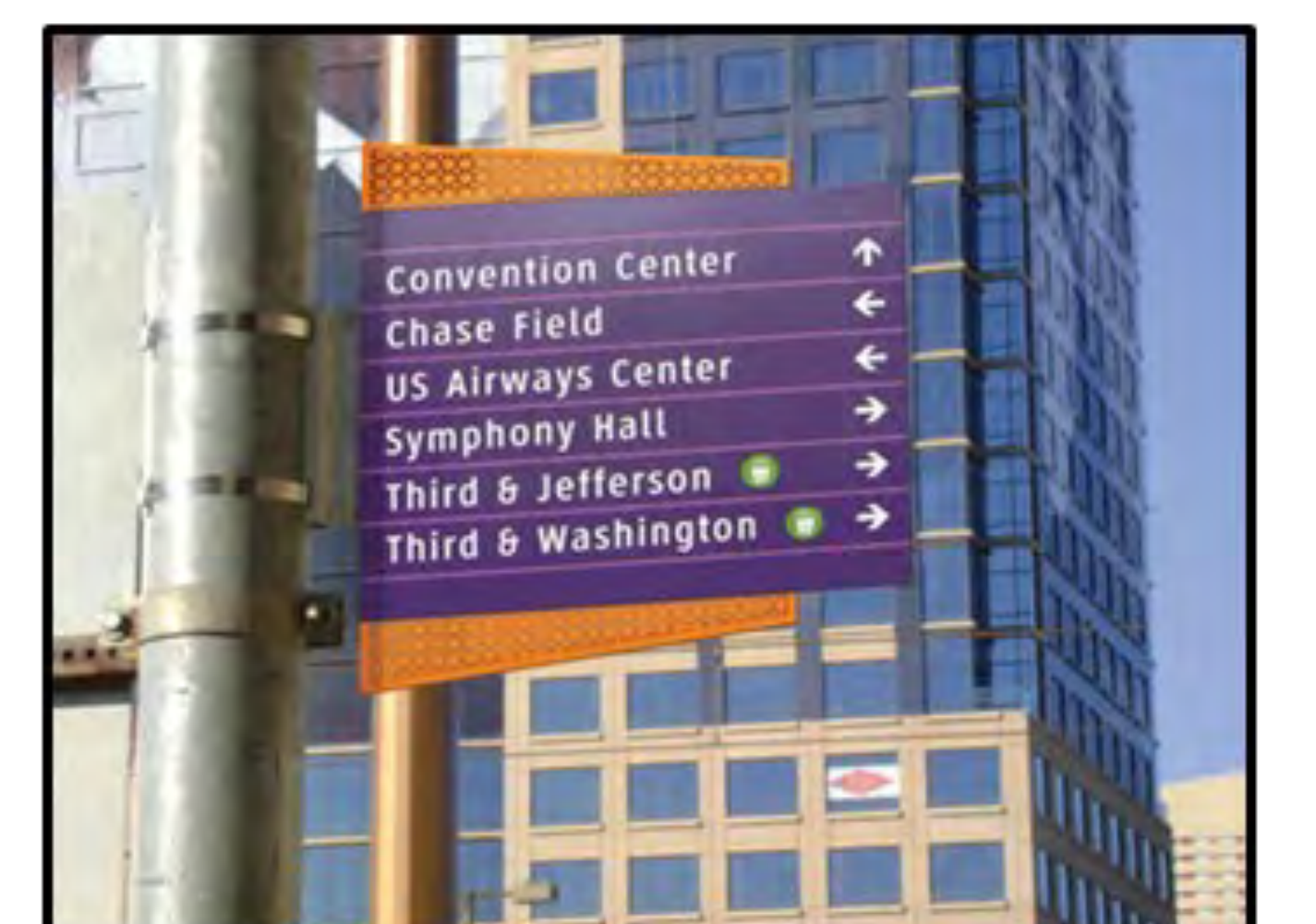
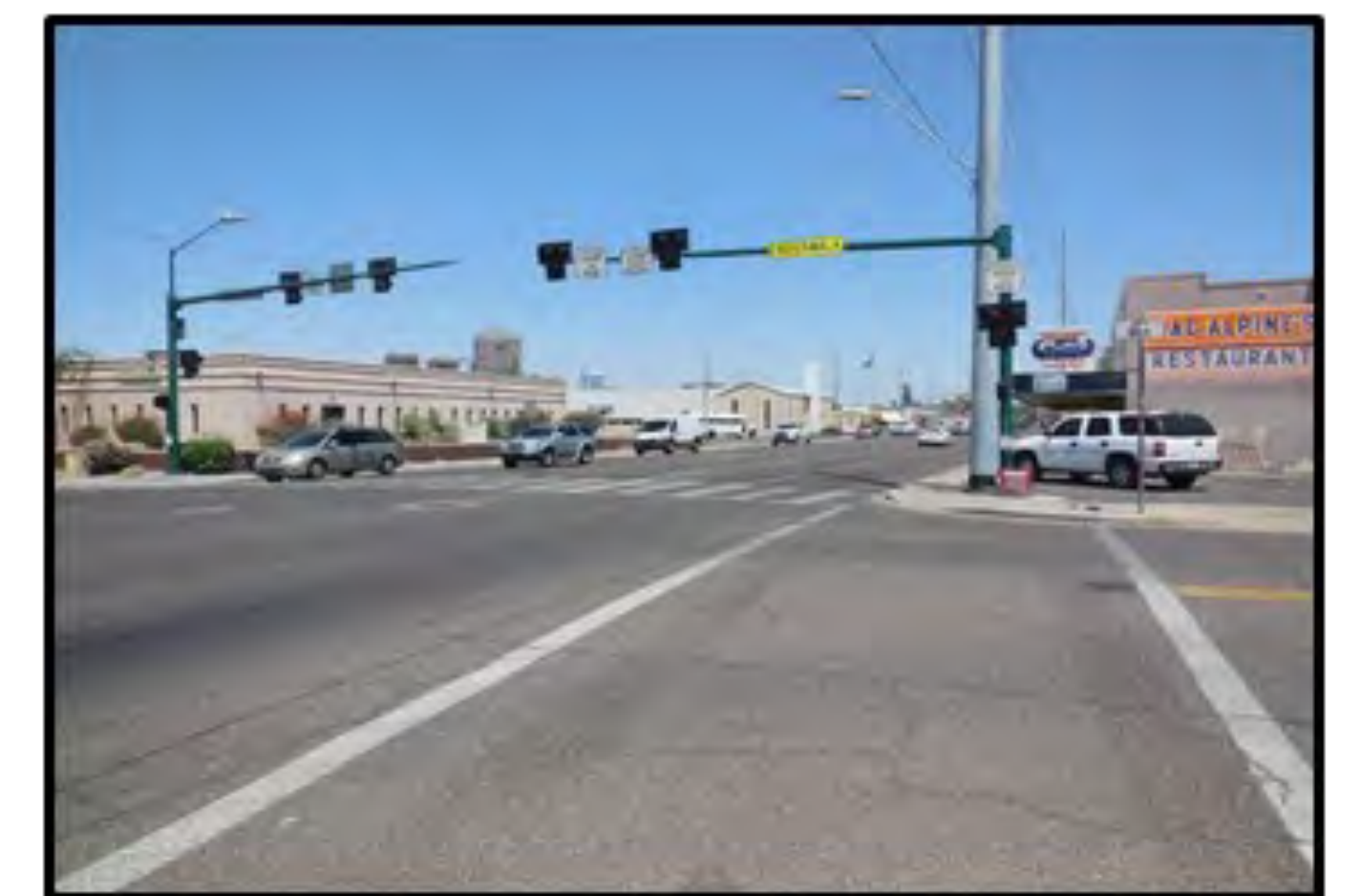




# Oak Street Improvements - *Bicycle and Pedestrian Facilities*

How can we create an improved “low-stress” bicycle and pedestrian facilities along Oak Street?

- The Plan calls for two-way protected cycle track, bi-directional bike lanes, green paint at conflict points, and new sidewalks/sidewalk improvements throughout;
- Existing crossings of major roadways will be utilized and enhanced for safe crossings;
- Roadway geometry at intersections, and textured asphalt applications will be applied at key locations to slow traffic and alert drivers to cyclists and pedestrians;
- Consistent roadway geometry will be created by widening asphalt in a few key locations, eliminates “scalloped” roadways;
- Additional wayfinding signs, lighting and drought tolerant landscaping will be installed at select locations;
- More detailed work and community input on the specifics of the project would occur in the final phases of the project.





# Oak Street Improvements Project (Recommended Plan)

## Process

- Completed plans and identified “preferred alternatives” utilizing the MAG Design Assistance program.
- One public meeting in the corridor to gather final input from the community on the Recommended Plan before it goes to Transportation and Infrastructure Subcommittee for final approval.
- This project aligns closely with:
  - Comprehensive Bicycle Master Plan\*\**
  - Plan Phoenix\*\**
  - Complete Streets Ordinances \*\**
  - Downtown Comprehensive Transportation Plan 3<sup>rd</sup> Street Improvements\*\**
  - Reinvent PHX Midtown Corridor and 3<sup>rd</sup> Street\*\**
  - Grand Canal TIGER Grant Improvements\*\**

*\*\* Adopted by Phoenix City Council*



- More detailed work and community input on the specifics of the project would occur in the final design phase of the project.

### Tentative Schedule

Recommended Concept – (March - April 2017)

Final Design – (Late 2017 and 2018)

Construction – (Late 2018 – Early 2019)



# Oak Street Improvements Project - Public Feedback

## Project Website:

<https://www.phoenix.gov/streetssite/Pages/Oak-Street-Improvement-Project.aspx>

## Project Email:

OakStreetProject@phoenix.gov

## On-Line Survey

- Located on project webpage
- Live February 23rd, 2017
- Closes March 17th, 2017

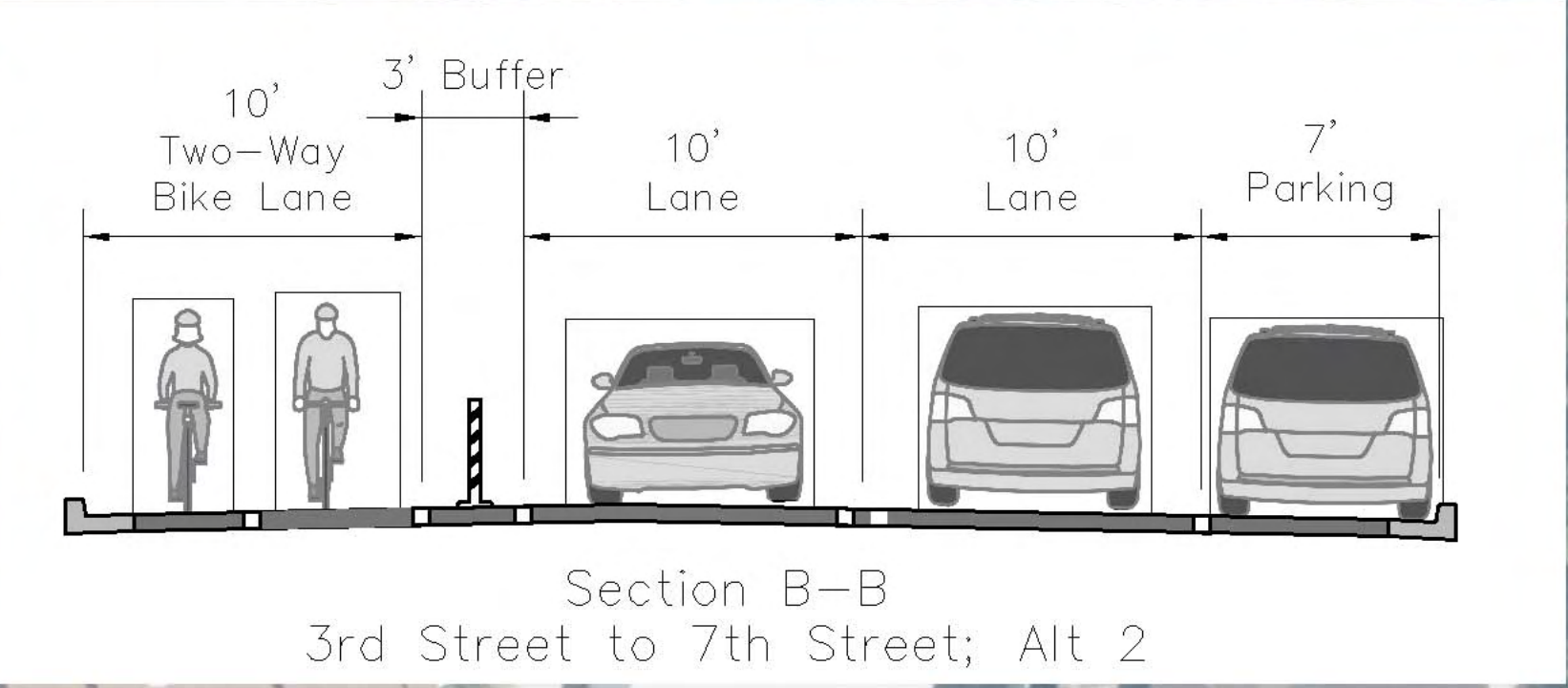






**Oak Street: 3rd Street to 7th Street Alternative #2:**

- Provide a separated two-way cycle track on north side;
- On-street parking will be allowed on the south side of the road;
- Include green pavement markings in selected high conflict locations;
- Install new low maintenance landscaping on the south side;
- Install new roadway lighting, including new conduit and conductors.



**12th Street to 14th Street Alternative 1:**

- Stripe bicycle lanes in both the eastbound and westbound Directions;
- On-street parking will be allowed on the north side of the road, and restricted completely on the south side of the road;
- Include green pavement marking in high conflict locations;
- Install new roadway lighting.

**Oak Street and 14th Street Intersection Alternative 1:**

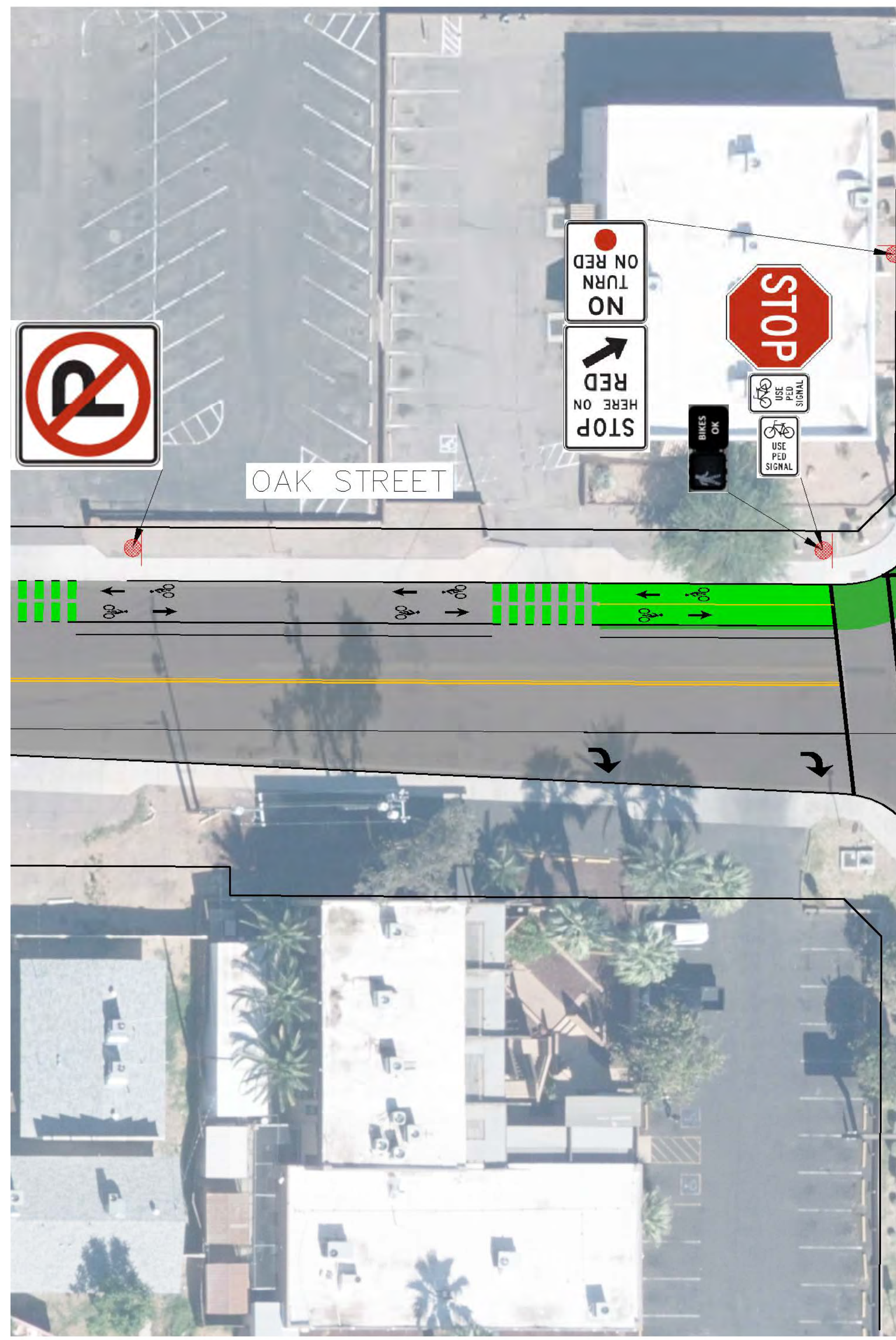
- Install a speed table at the Oak Street/14th Street intersection;
- Reconstruct existing curb ramps;
- Install stop signs at the intersection to provide a 4-way stop controlled intersection.
- Provide stamped asphalt crosswalks across 14th Street.

**Oak Street 14th Street to 15th Street Alternative 2A:**

- Install a stamped asphalt pattern in the center of Oak Street;
- Install shared lane markings;
- On-street parking will be restricted on both sides of the street;
- Utilize low impact drainage improvements, such as bio-swales;
- Install new low maintenance landscaping on both sides of Oak Street;
- Install new roadway lighting.

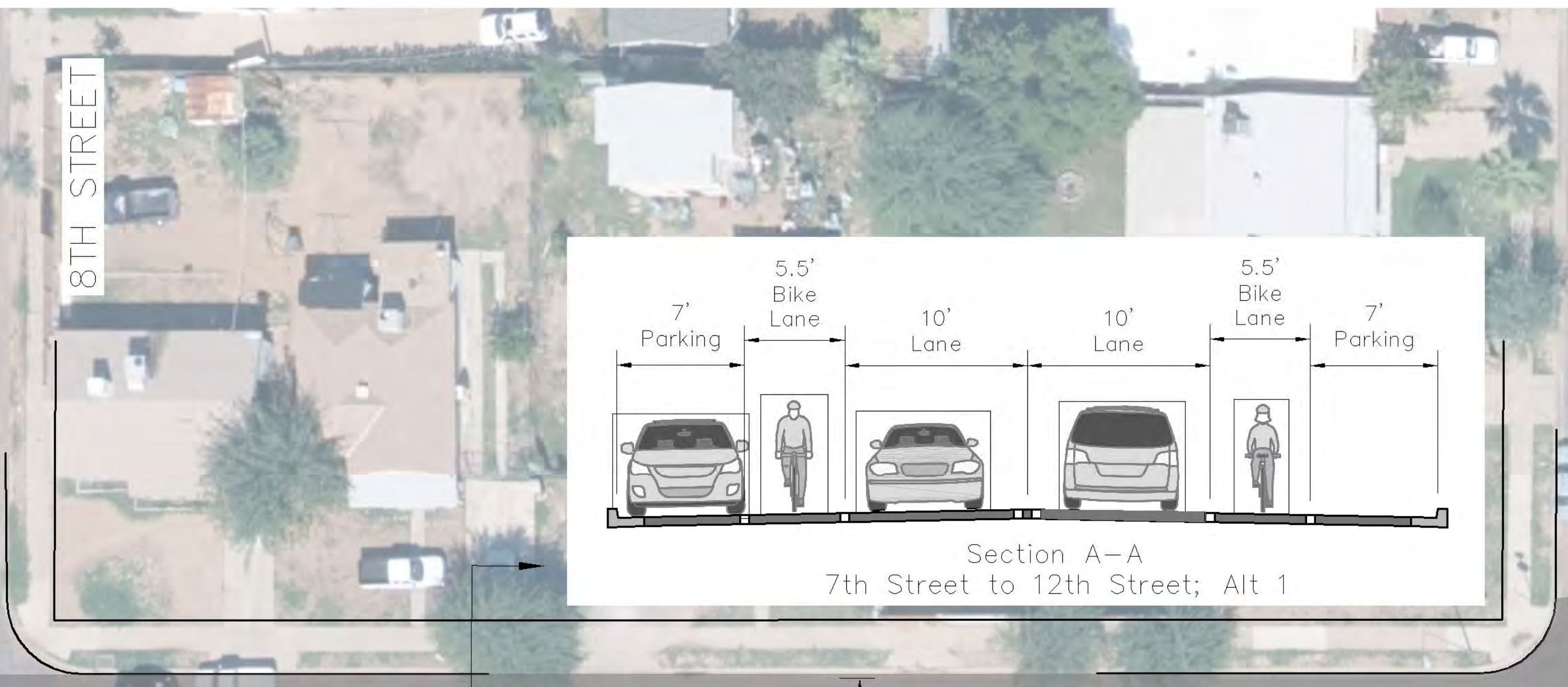
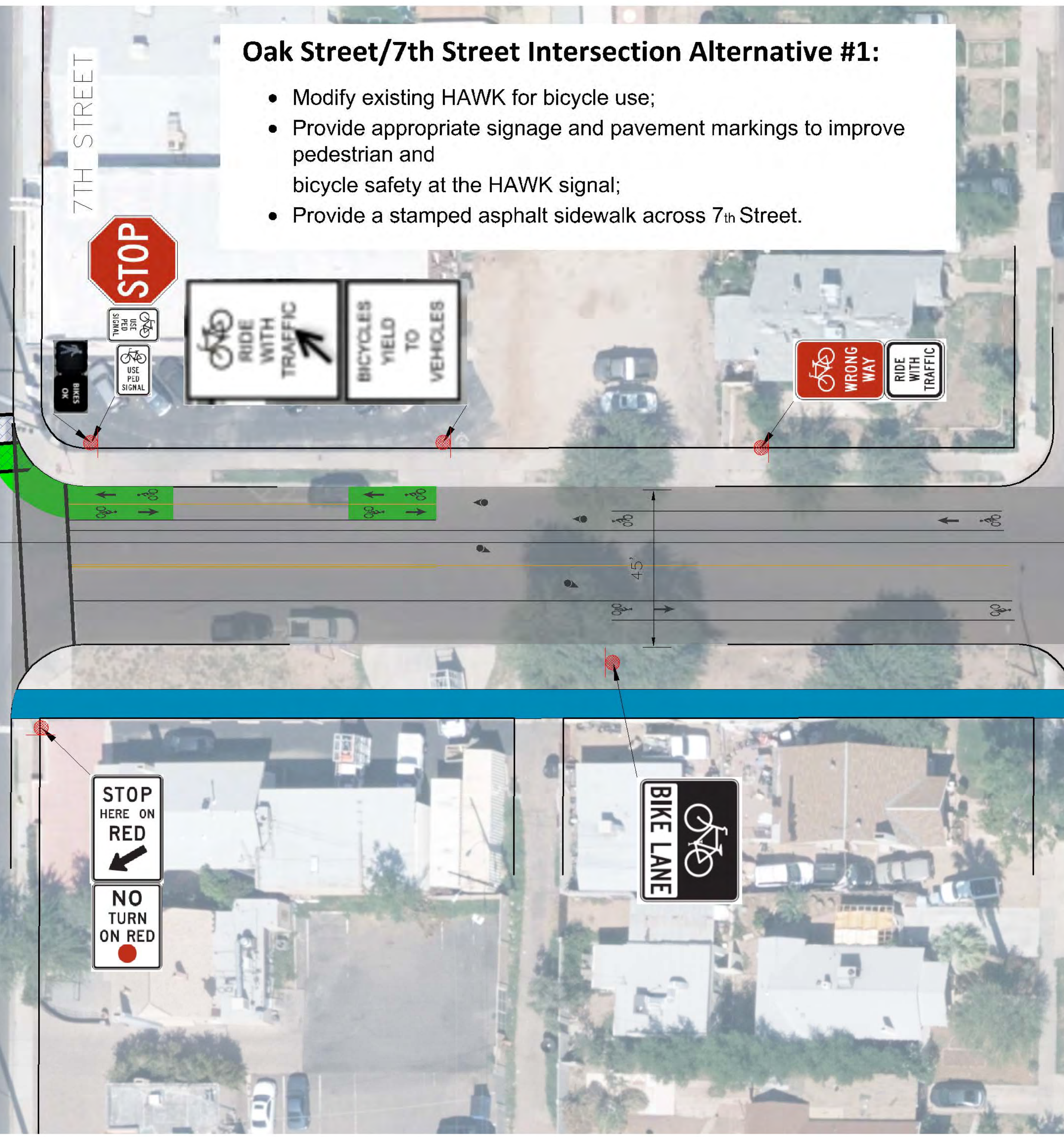
MATCH LINE A





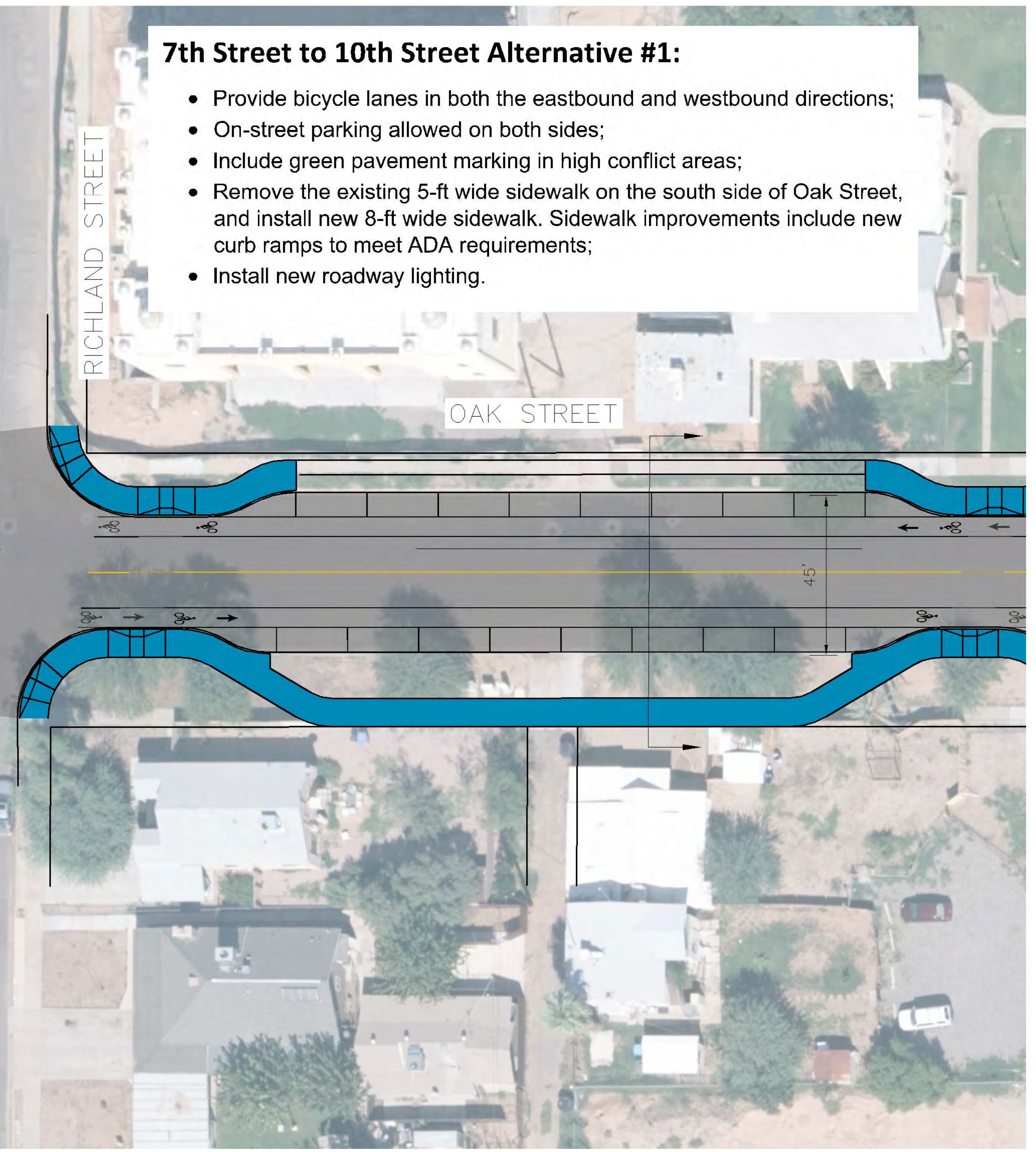
**Oak Street/7th Street Intersection Alternative #1:**

- Modify existing HAWK for bicycle use;
- Provide appropriate signage and pavement markings to improve pedestrian and bicycle safety at the HAWK signal;
- Provide a stamped asphalt sidewalk across 7th Street.



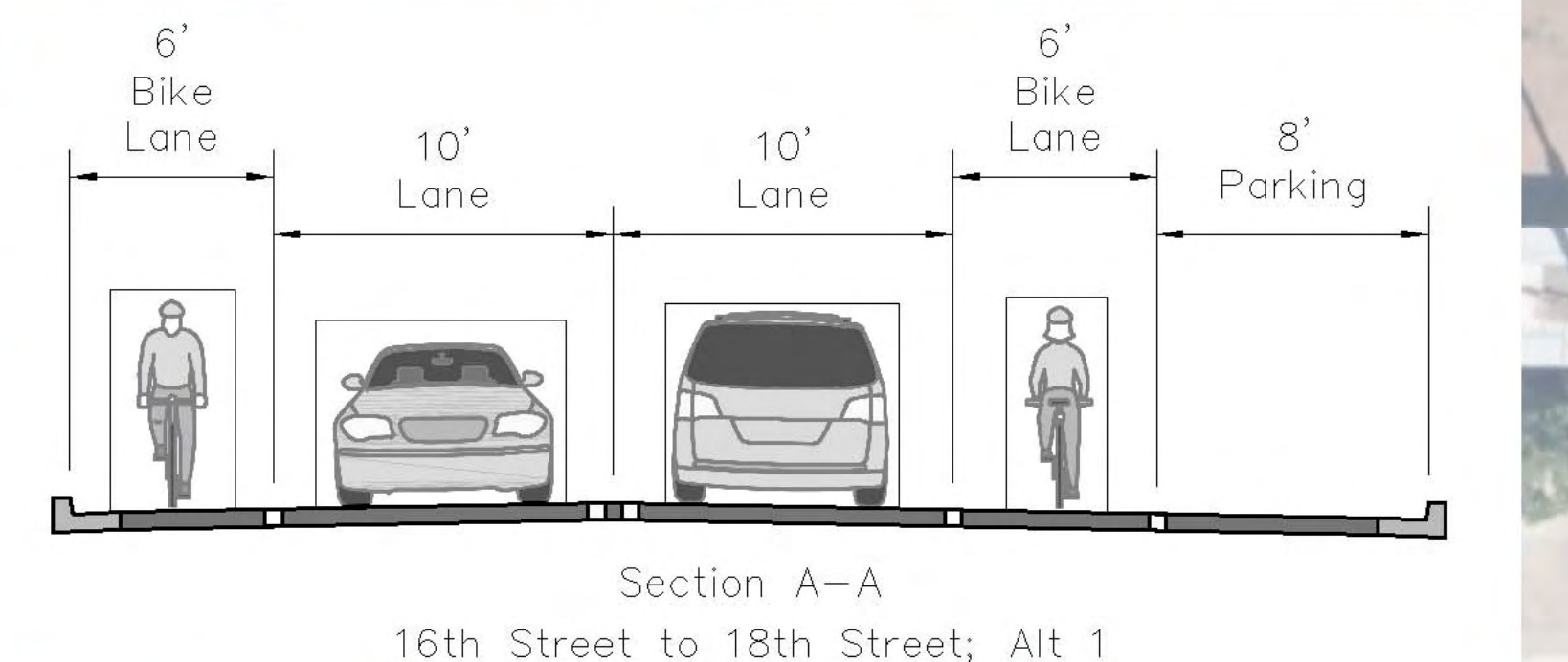
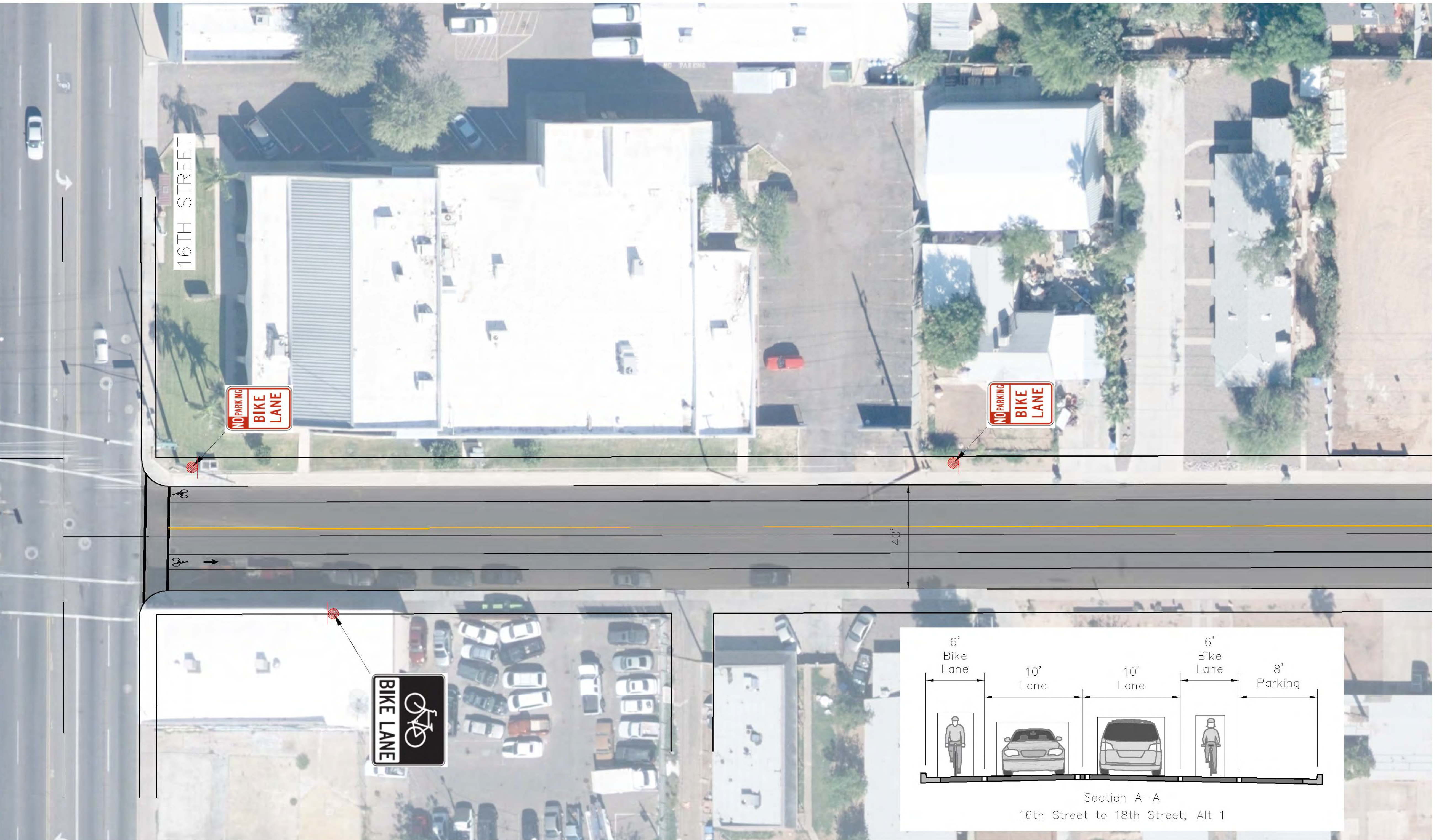
**7th Street to 10th Street Alternative #1:**

- Provide bicycle lanes in both the eastbound and westbound directions;
- On-street parking allowed on both sides;
- Include green pavement marking in high conflict areas;
- Remove the existing 5-ft wide sidewalk on the south side of Oak Street, and install new 8-ft wide sidewalk. Sidewalk improvements include new curb ramps to meet ADA requirements;
- Install new roadway lighting.

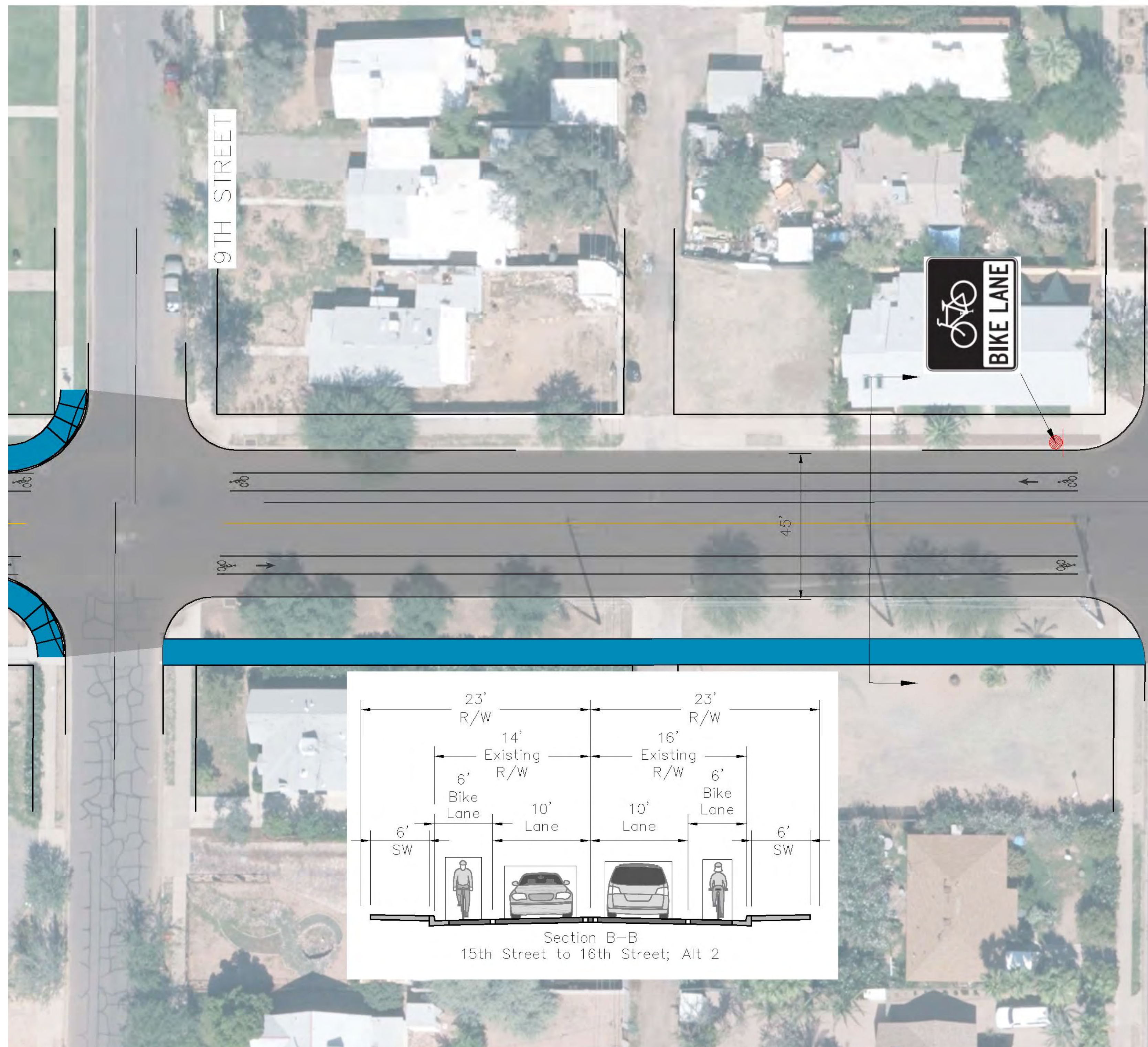


**Oak Street 15th street to 16th Street Alternative 2A:**

- Mill pavement to install a new asphalt pavement overlay;
- Include a stamped asphalt pattern in the center of street;
- Provide shared use lanes in each direction;
- No parking on either side of street;
- Utilize low impact drainage improvements such as bio-swales;
- Reconstruct the existing curb ramps at 16th Street to meet ADA requirements.

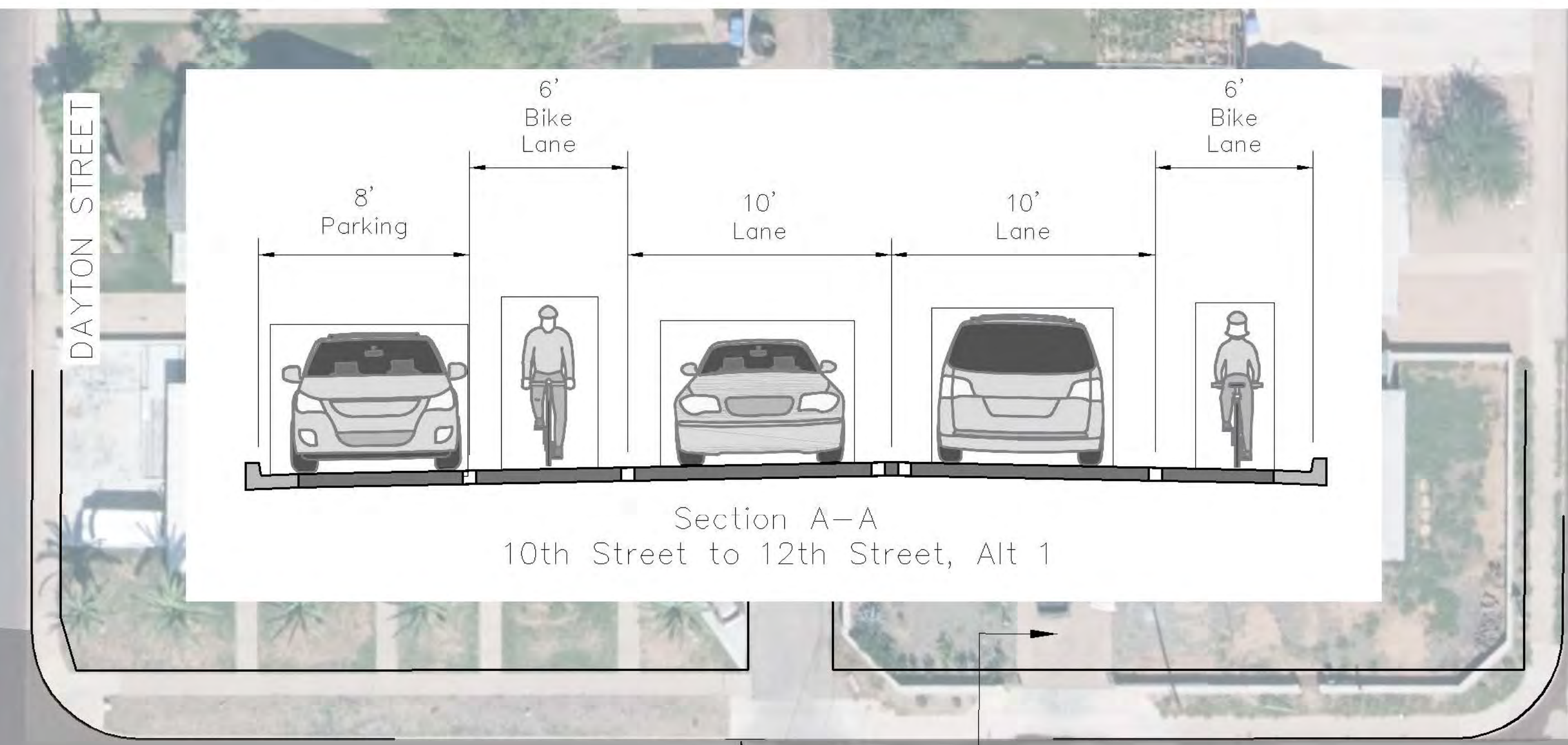
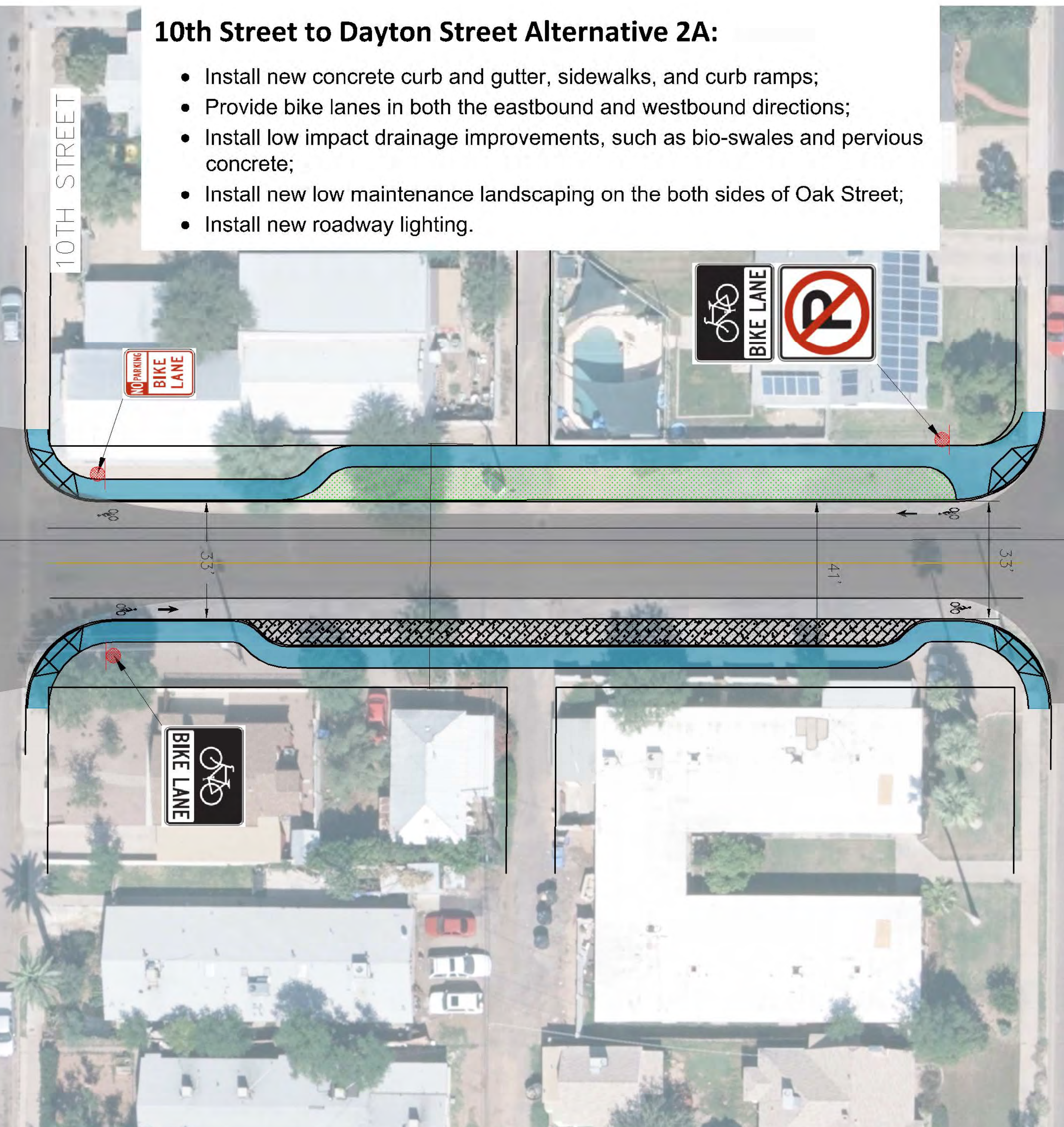






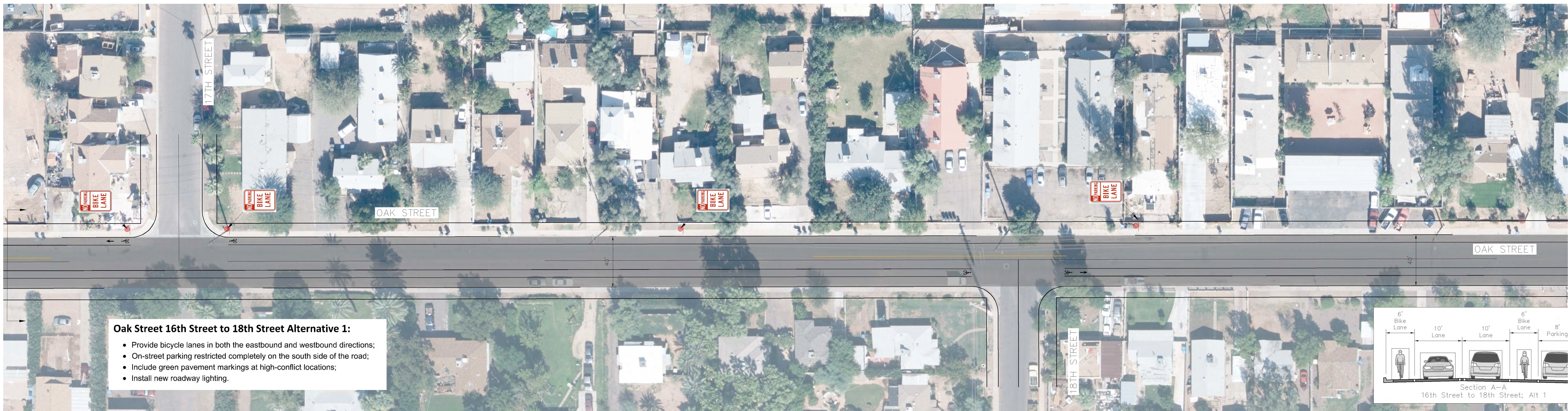
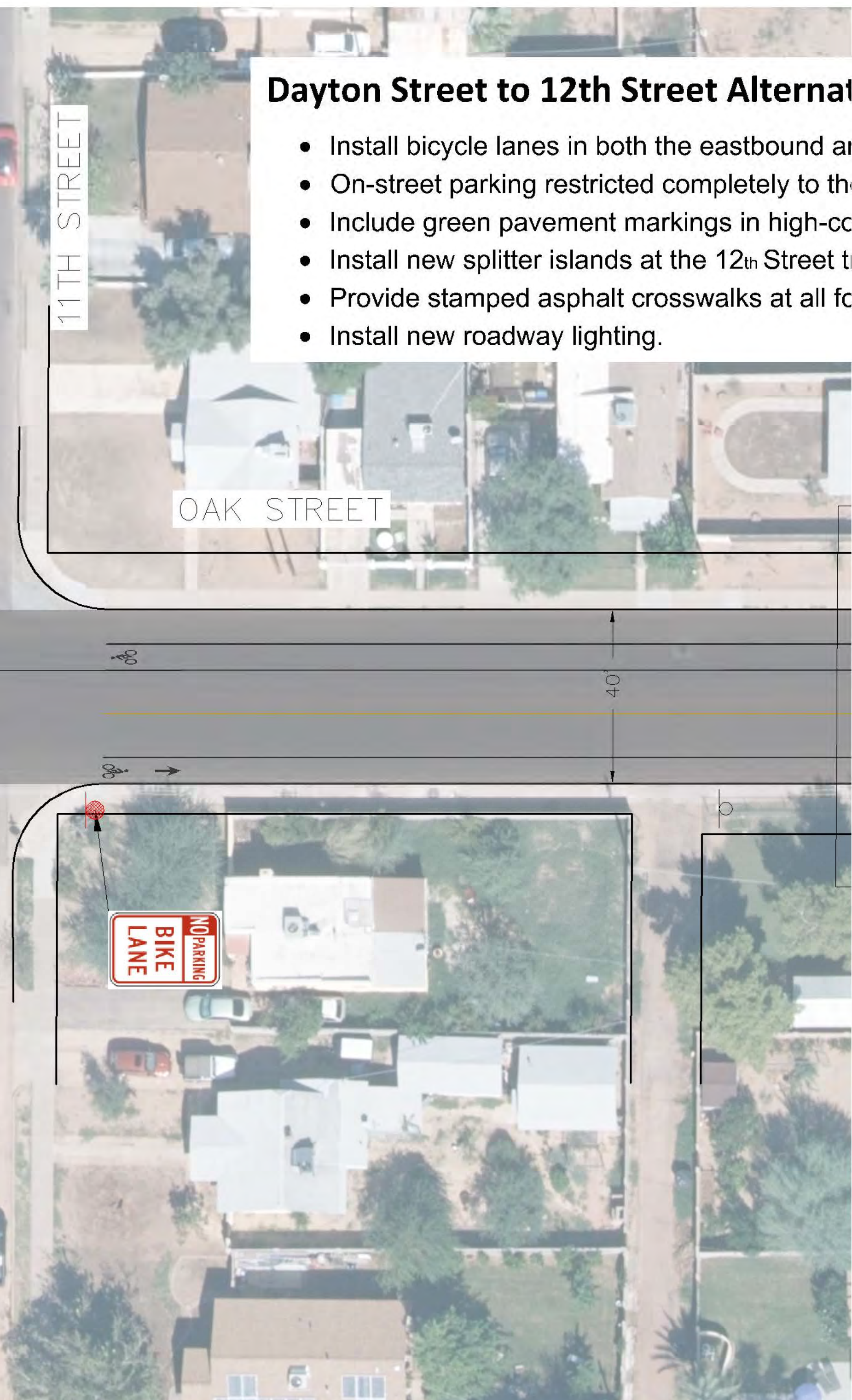
**10th Street to Dayton Street Alternative 2A:**

- Install new concrete curb and gutter, sidewalks, and curb ramps;
- Provide bike lanes in both the eastbound and westbound directions;
- Install low impact drainage improvements, such as bio-swales and pervious concrete;
- Install new low maintenance landscaping on the both sides of Oak Street;
- Install new roadway lighting.

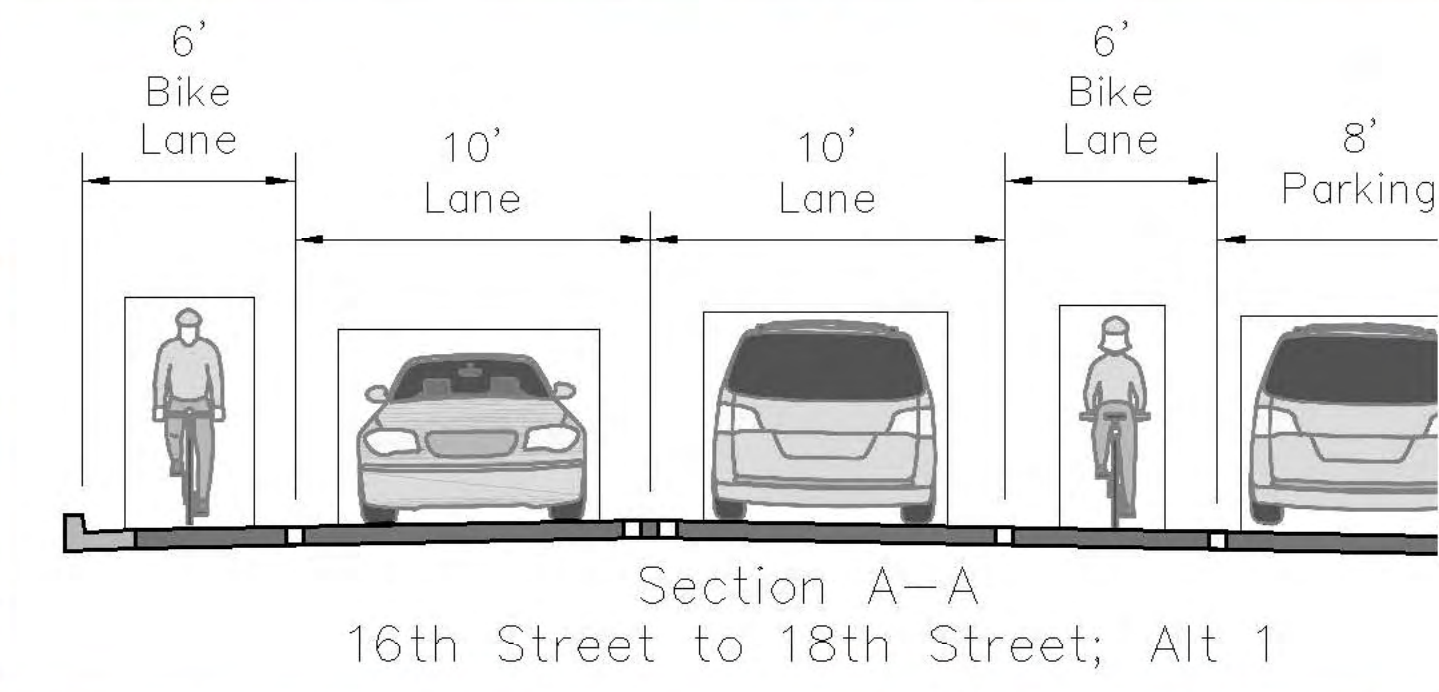


**Dayton Street to 12th Street Alternat**

- Install bicycle lanes in both the eastbound and westbound directions;
- On-street parking restricted completely to the north side of the road;
- Include green pavement markings in high-conflict locations;
- Install new splitter islands at the 12th Street intersection;
- Provide stamped asphalt crosswalks at all intersections;
- Install new roadway lighting.

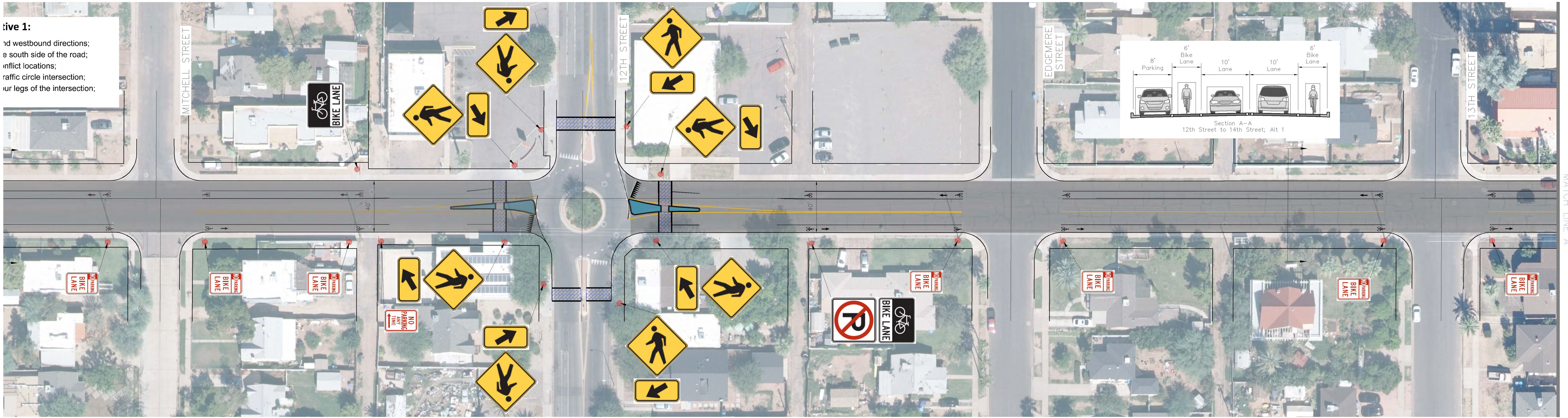


- Oak Street 16th Street to 18th Street Alternative 1:**
- Provide bicycle lanes in both the eastbound and westbound directions;
  - On-street parking restricted completely on the south side of the road;
  - Include green pavement markings at high-conflict locations;
  - Install new roadway lighting.





**Alternative 1:**  
 and westbound directions;  
 e south side of the road;  
 nflict locations;  
 raffic circle intersection;  
 ur legs of the intersection;



**Oak Street 18th Street to 20th Street Alternative 1:**

- Stripe bicycle lanes in both the eastbound and westbound directions;
- On-street parking restricted completely on the south side of the road;
- Include green pavement markings in selected high conflict locations;
- Install new roadway lighting.

**Oak and 20th Street Intersection Alternative 1**

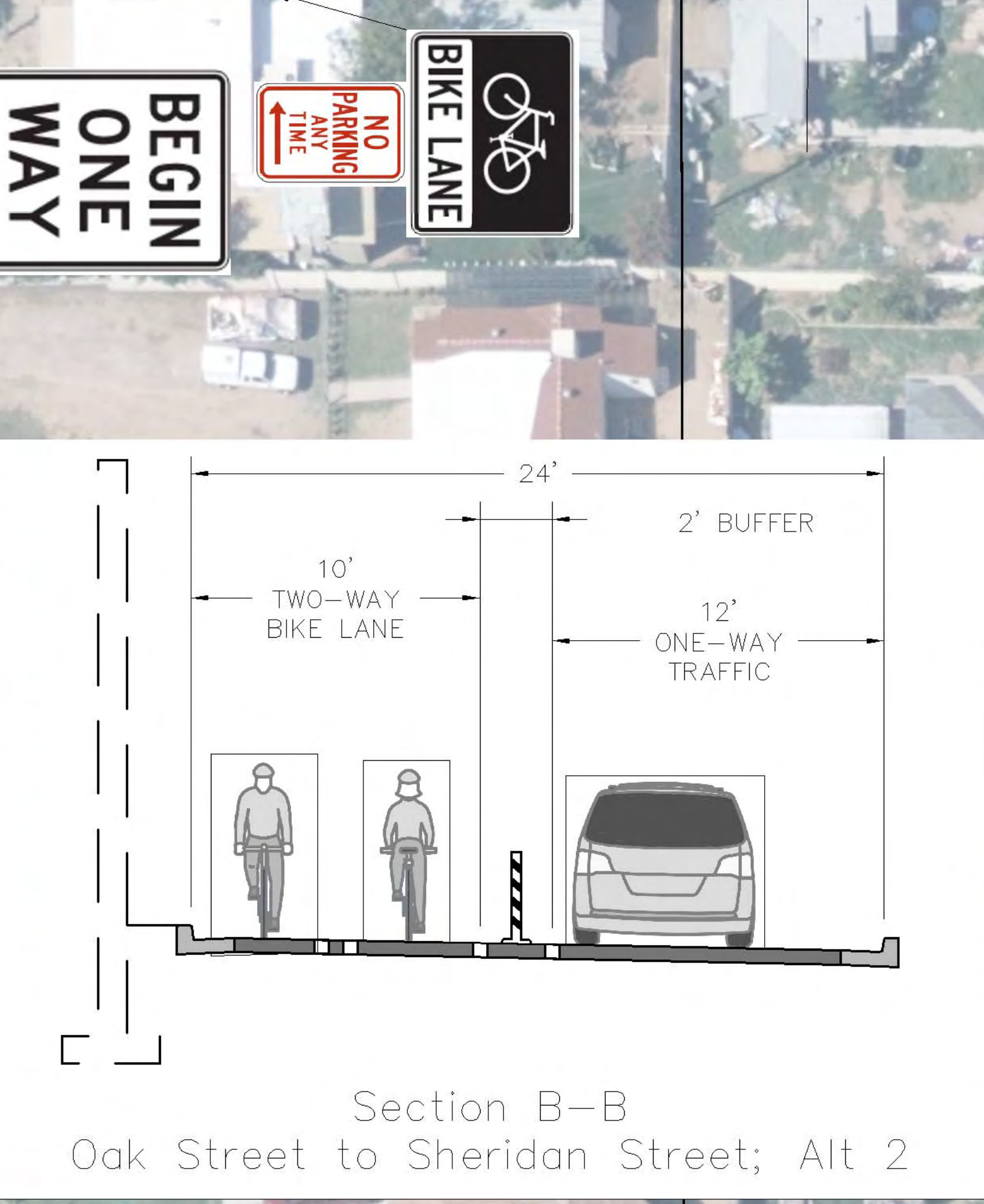
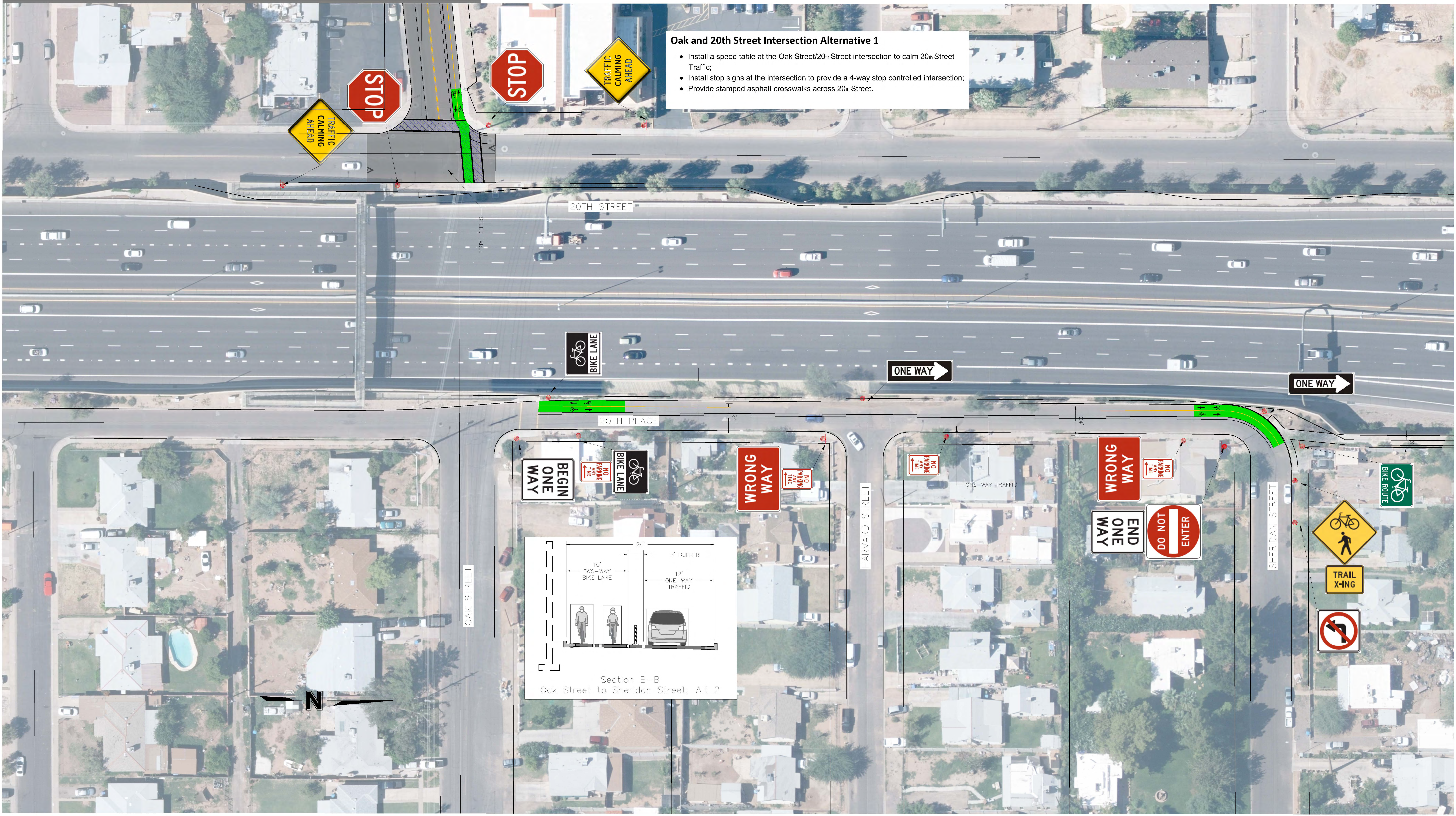
- Install a speed table at the Oak Street/20th Street intersection to calm 20th Street Traffic;
- Install stop signs at the intersection to provide a 4-way stop controlled intersection;
- Provide stamped asphalt crosswalks across 20th Street.



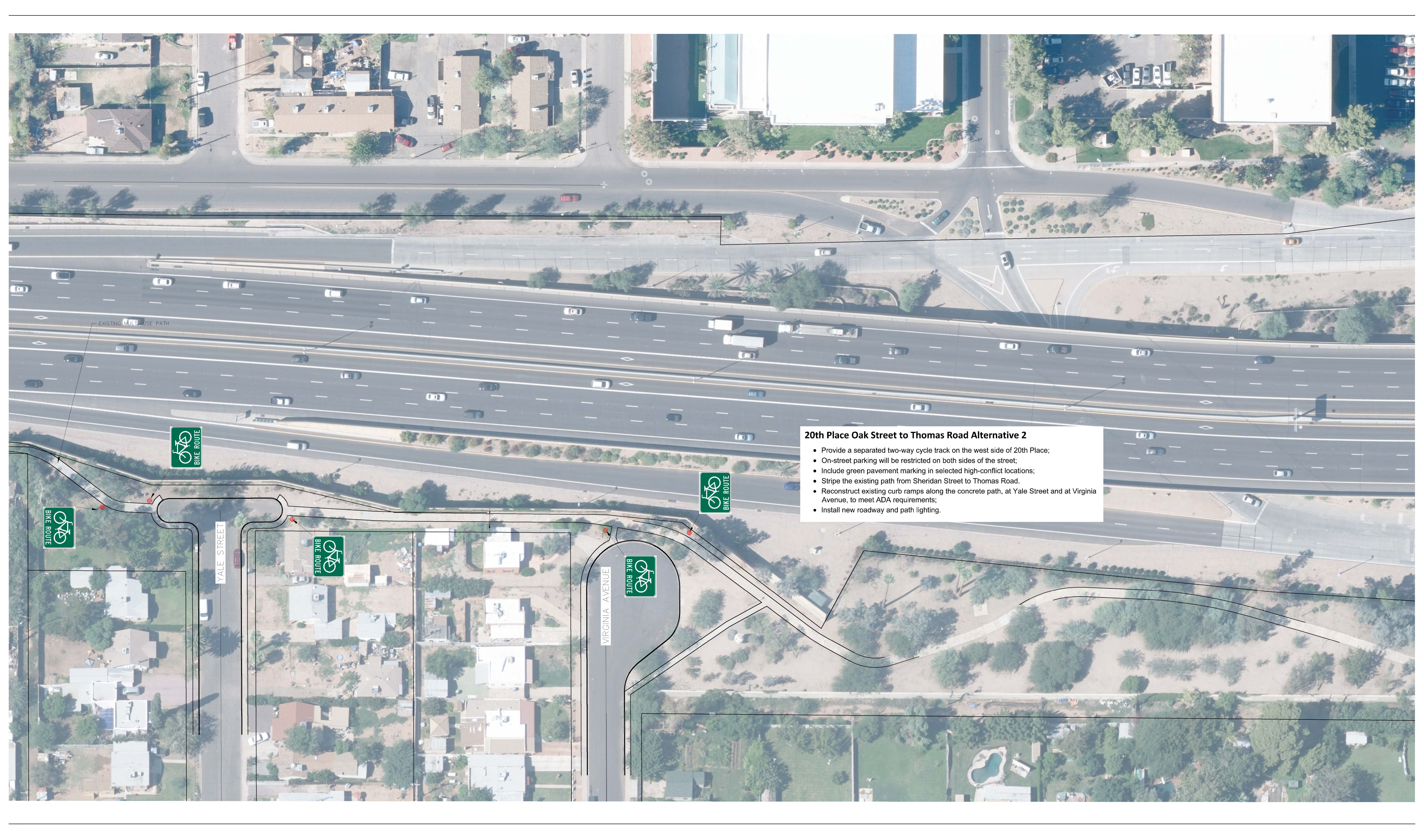


### Oak and 20th Street Intersection Alternative 1

- Install a speed table at the Oak Street/20th Street intersection to calm 20th Street Traffic;
- Install stop signs at the intersection to provide a 4-way stop controlled intersection;
- Provide stamped asphalt crosswalks across 20th Street.







**20th Place Oak Street to Thomas Road Alternative 2**

- Provide a separated two-way cycle track on the west side of 20th Place;
- On-street parking will be restricted on both sides of the street;
- Include green pavement marking in selected high-conflict locations;
- Stripe the existing path from Sheridan Street to Thomas Road.
- Reconstruct existing curb ramps along the concrete path, at Yale Street and at Virginia Avenue, to meet ADA requirements;
- Install new roadway and path lighting.



YALE STREET

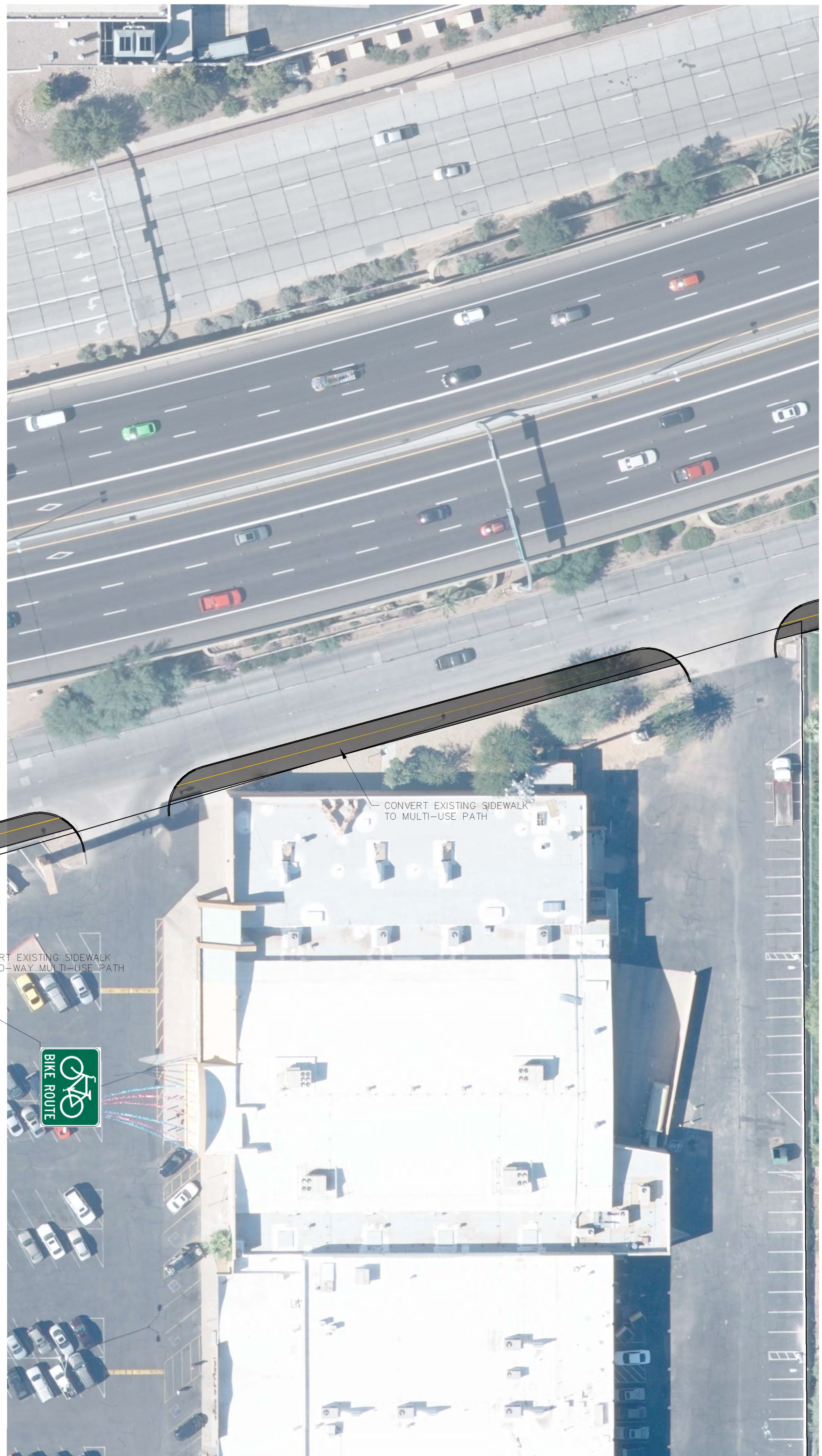
VIRGINIA AVENUE

EXISTING MULTI-USE PATH



### 20th Street and Thomas Road Intersection Alternative 1

- Restripe the existing free right turn on the southeast corner of the intersection to provide one free right turn lane rather than two;
- Install painted crosswalks at the free right turns on the southeast corner and northeast corner of the intersection;
- Install rapid rectangular flashing beacons at the proposed crosswalks;
- Provide advanced warning signage on the northbound frontage road/20th Street;
- Provide advanced warning signage on westbound Thomas Road.





- 20th Street Thomas Road to Grand Canal Alternative 1**
- Stripe the existing concrete sidewalk between Thomas Road and Greenfield Road with a 4-inch broken yellow line to create a two-way multi-use path;
  - Stripe 20th Street to provide a separated two-way cycle track;
  - Include green pavement marking in selected high-conflict locations;
  - Provide a stamped asphalt crosswalk across Greenfield Road, and two stamped asphalt crosswalks across 20th Street on both sides of the Grand Canal;
  - Install curb ramps on each side of 20th Street, and on each side of the Grand Canal;
  - Install new roadway lighting.

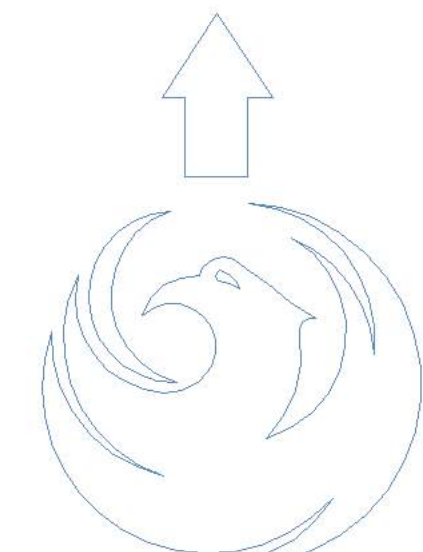
CONVERT EXISTING SIDEWALK TO MULTI-USE PATH

BIKE LANE

ALTERNATIVE 1: INSTALL TWO-WAY BIKE LANE WITH BOLLARD



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City of Phoenix  
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3RD STREET TO 7TH STREET  
OAK STREET BICYCLE CORRIDOR  
IMPROVEMENT STUDY  
PHOENIX, AZ

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