

Infrastructure Committee

2019

City of Corona Sidewalk Replacement, ADA Curb Ramp, and Infill Requests

Gas Tax
Measure A
CDBG Fund

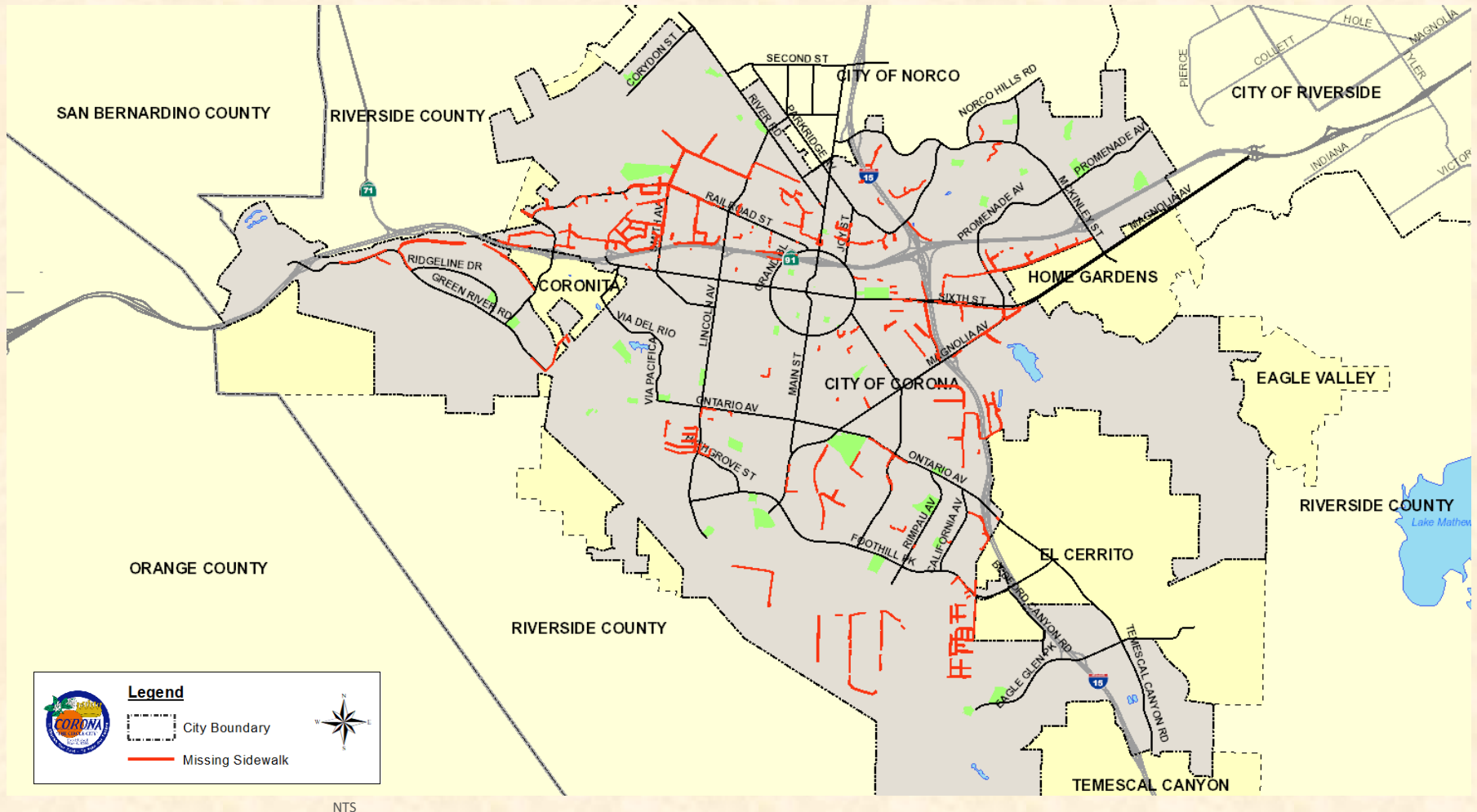
Public Requests

- Sidewalk replacement for:
 - Raised, sunken, and uneven sidewalks
 - Cracks and holes in sidewalk
 - Existing asphalt walkways
- Upgrade existing curb ramps to ADA compliance
 - Missing truncated domes
- Infill for:
 - Missing sidewalk
 - Missing curb ramp

Costs

- Sidewalk Replacement
 - \$10 / Square Foot
- Infill for missing sidewalk
 - Ranges from \$80 to \$200 / Square Foot
- Upgrade existing curb ramp to ADA compliance
 - \$4,000 / Curb Ramp
- Install missing curb ramps
 - \$7,000 / Curb Ramp

Missing Sidewalk Map



Approximately 341,600 LF total of road sections without sidewalk

Missing Curb Ramp



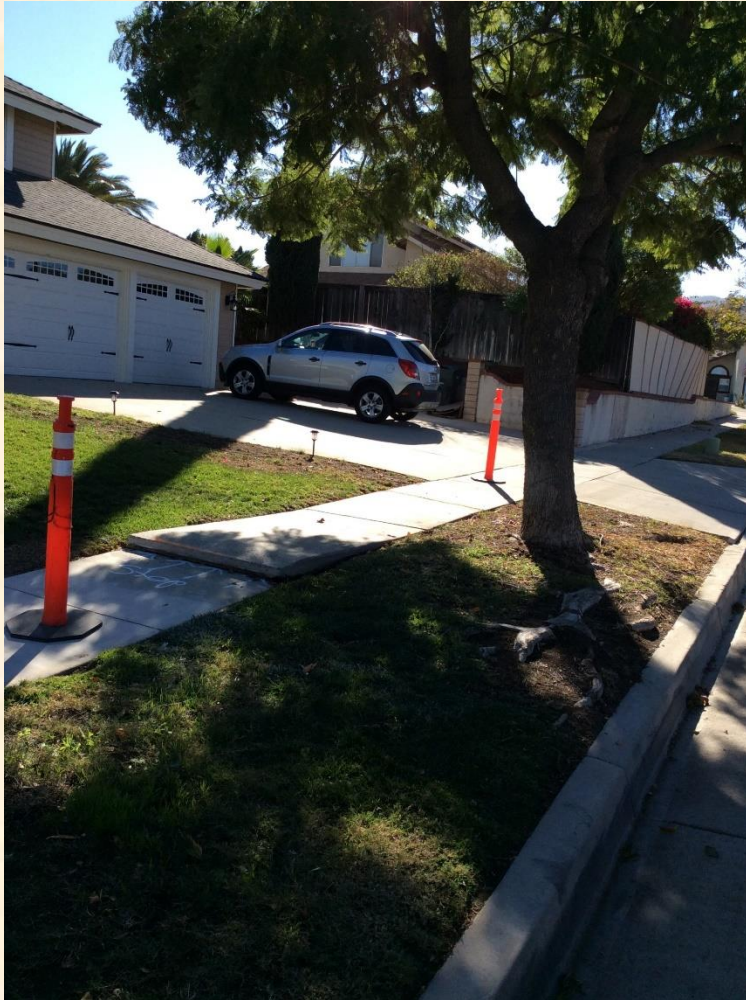
Non-compliant Curb Ramp



Holes and Cracks in Sidewalk



Raised Sidewalk



Planned Sidewalk Projects

2018-19 CDBG

Sidewalk Improvements

- Scope of work includes:
 - Replacing 83,500 square feet (18,500 linear feet) of sidewalk
 - Replacing 205 linear feet of curb & gutter
 - Replacing 53 curb ramps to ADA compliance
- Estimated construction: Fall 2019
- Total estimated cost: **\$1,100,000**
(\$10 per square foot of sidewalk)

2019-20 Citywide Sidewalk Improvements Phase II

- Scope of work includes:
 - Replacing 52,000 square feet (11,500 linear feet) of sidewalk
 - Replacing 63 linear feet of curb & gutter
 - Replacing 60 curb ramps to ADA compliance
- Estimated construction: Spring 2020
- Total estimated cost: **\$850,000**
(\$10 per square foot of sidewalk)

2019-20 Citywide ADA Ramp Improvements

- Scope of work includes:
 - Replacing 200 linear feet of curb & gutter
 - Installing 120 new curb ramps to ADA compliance
- Estimated construction: Spring 2020
- Total estimated cost: **\$900,000**

Potential Sidewalk Projects

South Smith Avenue Sidewalk

(At Countrywood Estates)



South Smith Avenue Sidewalk

(At Countrywood Estates)



91 Overpass Bridge prevents easy pedestrian access and makes it difficult to cross the street

South Smith Avenue Sidewalk

(At Countrywood Estates)

Scope of work to install sidewalk at S. Smith Avenue:

- Grading
- Install retaining wall
- Adjust existing utilities to grade
- Install 2 ADA Curb Ramps
- Construct 950 square feet (190 linear feet) of new sidewalk in front of 1 property
- Obtain Construction Easement

Total cost: \$120,000

(\$126 per square foot of sidewalk)



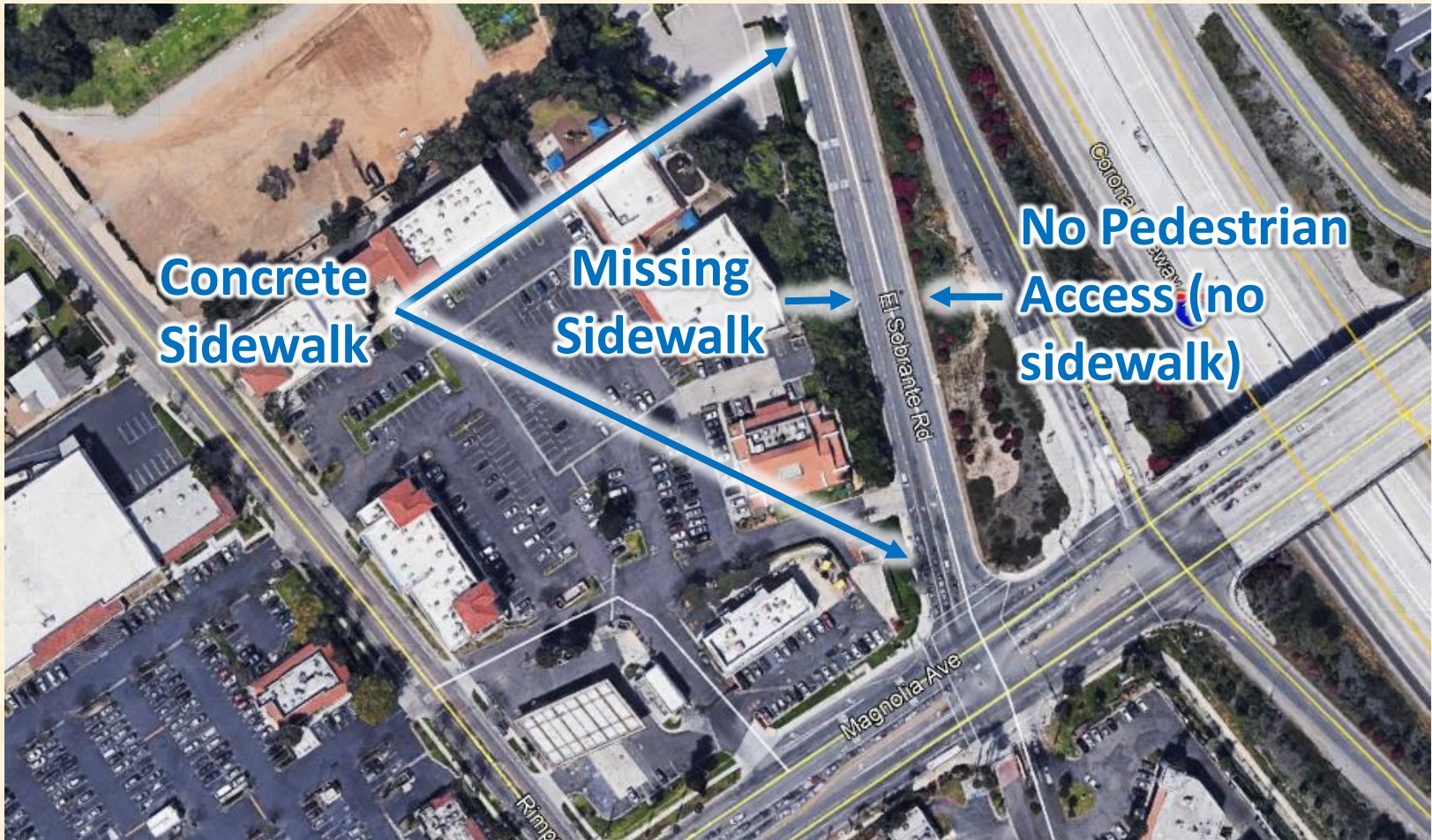
El Sobrante Road Sidewalk

(North of Magnolia Avenue)



El Sobrante Road Sidewalk

(North of Magnolia Avenue)



Approximately 350 feet of missing sidewalk in front of plaza and no sidewalk installed on east side of El Sobrante

El Sobrante Road Sidewalk

(North of Magnolia Avenue)

Scope of work to install sidewalk at El Sobrante Road:

- Grading
- Install retaining wall
- Adjust existing utilities to grade
- Install grate inlet and curb drain
- Construct 2,100 square feet (350 linear feet) of new sidewalk in front of plaza

Total cost: \$400,000

(\$190 per square foot of sidewalk)



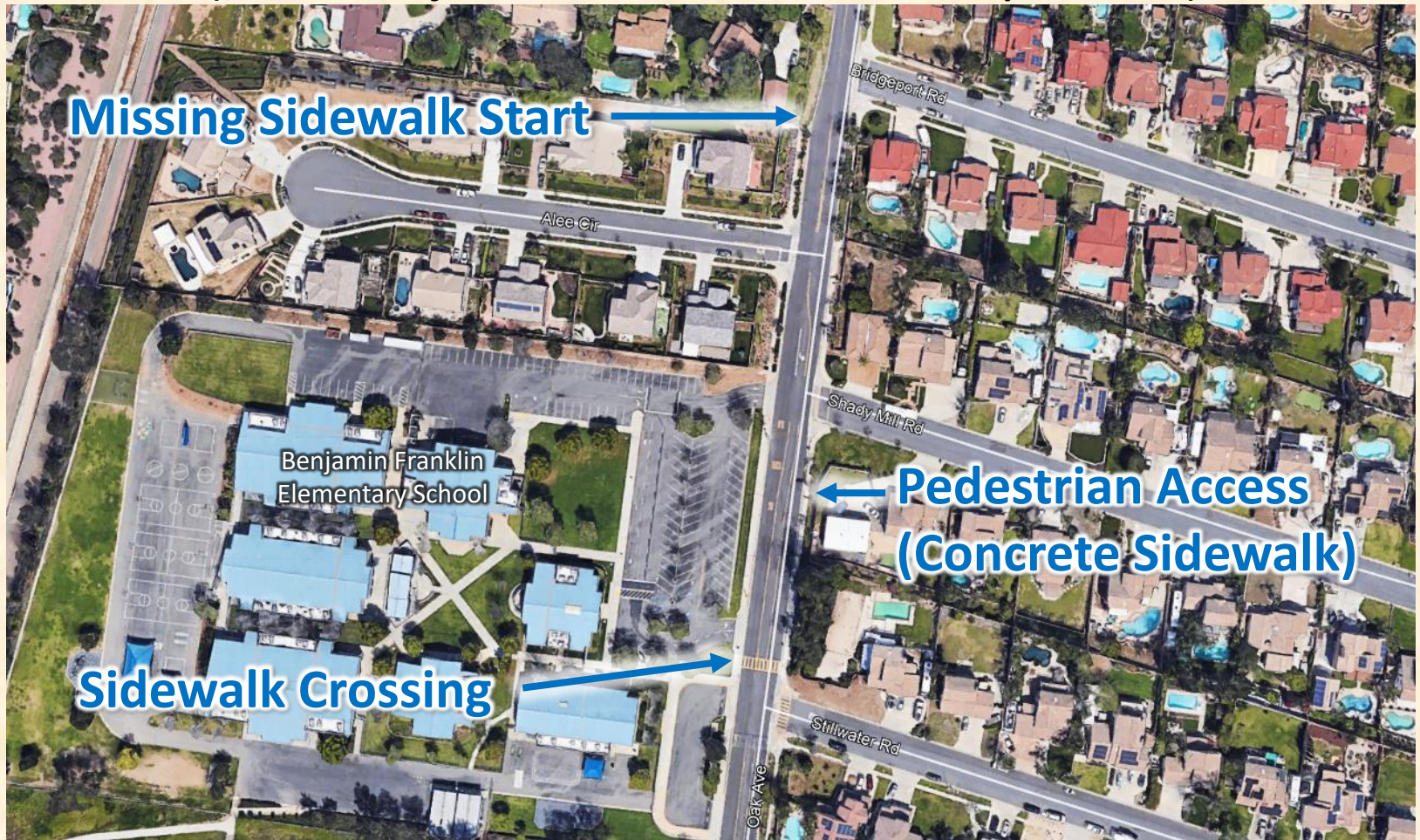
Oak Avenue Sidewalk

(Near Benjamin Franklin Elementary School)



Oak Avenue Sidewalk

(Near Benjamin Franklin Elementary School)



West Side of Oak Avenue Missing Sidewalk is 920 FT.

Oak Avenue Sidewalk

(Near Benjamin Franklin Elementary School)



Scope of work to install sidewalk at Oak Avenue:

- Grading
- Install retaining wall
- Relocate 13 mailboxes
- Remove and reconstruct 4 existing driveways
- Street widening
- Construct underdrains
- Install new curb and gutter

Oak Avenue Sidewalk

(Near Benjamin Franklin Elementary School)



Scope of work to install sidewalk at Oak Avenue (continued):

- Remove trees, block posts, and fences
- Remove and replace existing landscaping and irrigation
- Remove existing pipes
- Adjust existing utilities to grade
- Construct 4,600 square feet (920 linear feet) of new sidewalk in front of 16 properties

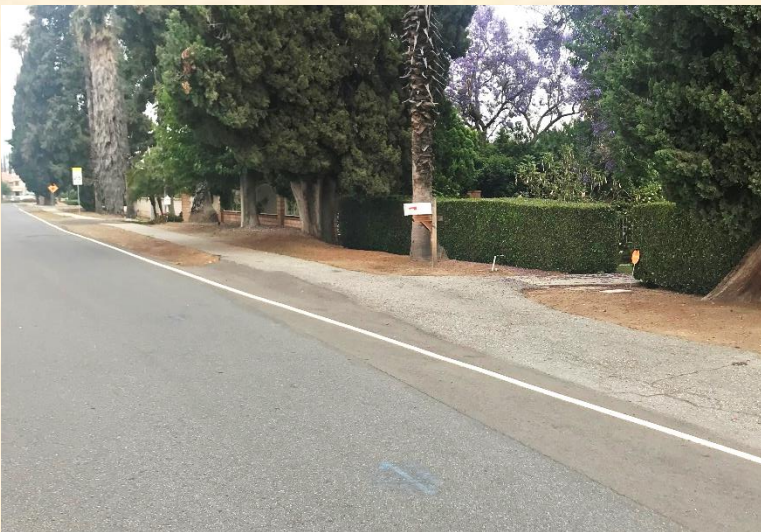
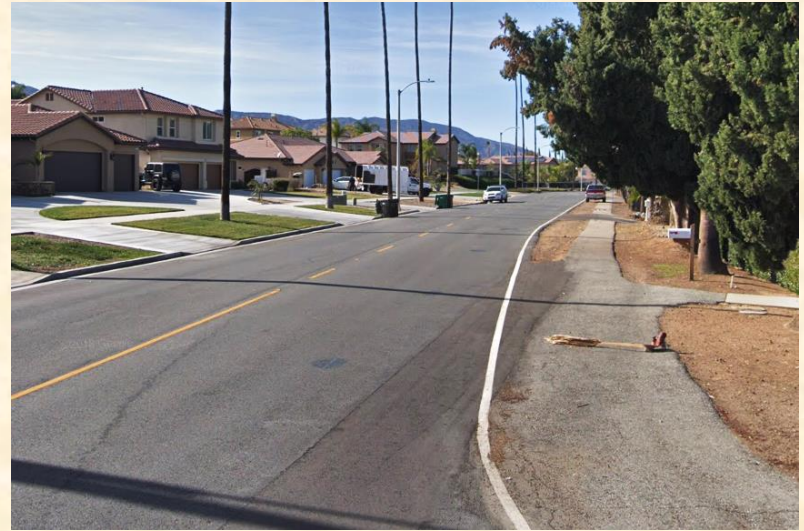
Total cost: \$600,000

(\$130 per square foot of sidewalk)



East Chase Drive Sidewalk

(from Gilbert to Thacker)



East Chase Drive Sidewalk (from Gilbert to Thacker)



Sidewalk installed on other side of the street

East Chase Drive Sidewalk

(from Gilbert to Thacker)

Scope of work to install sidewalk at E. Chase Drive:

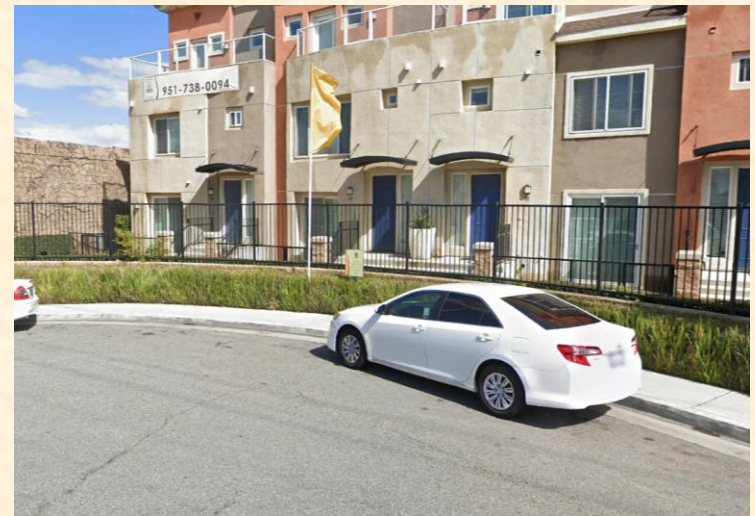
- Grading
- Install 4 new ADA curb ramps
- Remove existing asphalt walkway
- Install concrete driveway
- Construct 2,720 square feet (680 linear feet) of new sidewalk in front of 5 properties

Total cost: \$220,000

(\$81 per square foot of sidewalk)

South Sherman Avenue Sidewalk

(At Magnolia Court Townhomes)



South Sherman Avenue Sidewalk (At Magnolia Court Townhomes)



Approximately 85 feet of missing sidewalk

South Sherman Avenue Sidewalk (At Magnolia Court Townhomes)

Scope of work to install sidewalk at Sherman Avenue:

- Grading
- Landscape improvements
- Remove and replace 10 feet of damaged curb and gutter
- Construct 425 square feet (85 linear feet) of new sidewalk in front of empty RCTC lot and across from Magnolia Court Townhomes

Note: City to condition future developer of empty lot to install the missing sidewalk

Total cost: \$38,000

(\$89 per square foot of sidewalk)

Project Cost Summary

(Recommended Projects)

Sidewalk Project	Sidewalk to Install (Linear feet)	Sidewalk to Install (Square feet)	Approximate Cost per Square Foot of Sidewalk	Total Project Estimated Cost
2018-19 CDBG Sidewalk Improvements	18,250	83,500	\$10	\$1,100,000
2019-20 Citywide Sidewalk Improvements Phase II	10,680	52,000	\$10	\$850,000
2019-20 Citywide ADA Curb Ramp Improvements	N/A	N/A	N/A	\$900,000
South Smith Avenue	190	950	\$126	\$120,000
El Sobrante Road	350	2,100	\$190	\$400,000

Project Cost Summary

(Optional Projects)

Sidewalk Project	Sidewalk to Install (Linear feet)	Sidewalk to Install (Square feet)	Approximate Cost per Square Foot of Sidewalk	Total Project Estimated Cost
Oak Avenue	920	4,600	\$130	\$600,000
East Chase Drive	680	2,720	\$81	\$220,000
Sherman Avenue	85	425	\$89	\$38,000

- Notes:
 - At Oak Avenue, pedestrians have walkway access from the sidewalk installed on the other side of the road
 - At East Chase Drive, asphalt walkway currently exists and pedestrians have walkway access from the sidewalk installed on the other side of the road
 - At Sherman Avenue, future developer will be conditioned to install the sidewalk