

**Technical Street Audits Report** 

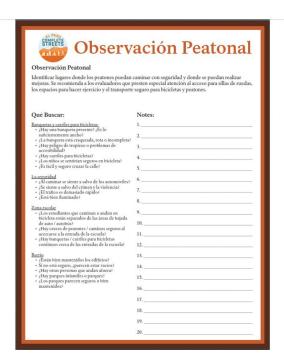


After developing customized walking audit surveys that address El Paso's infrastructure in English and Spanish (see below) and creating video and picture tools for training, our team identified the following neighborhoods and corridors as high priority:

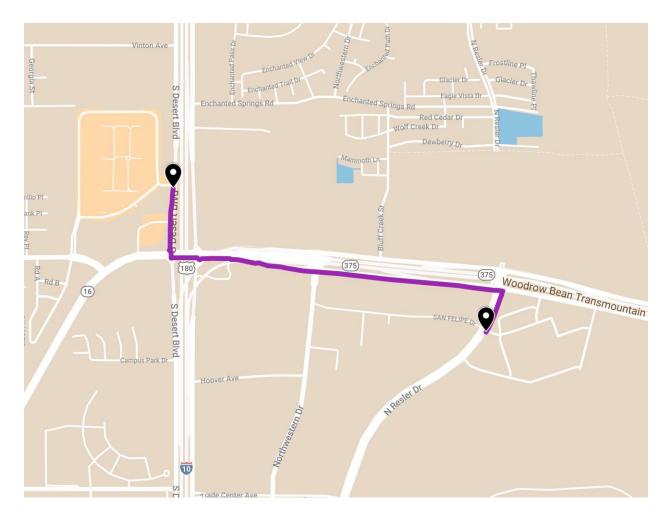
- Manhattan Heights Neighborhood
- Military Heights Neighborhood
- Hidden Valley Neighborhood
- Cedar Grove Neighborhood
- Milagro Hills Neighborhood
- Eisenhower's Sahara Neighborhood
- Dolphin Neighborhood
- Turf Estates Number 1 Colonia Neighborhood
- El Dorado West and East Neighborhoods
- Prado Neighborhood
- Mesa Vista Neighborhood
- Chihuahuita Neighborhood
- El Segundo Barrio Neighborhood

Due to the current health crisis, a plan for virtual trainings and street audits has been developed since gatherings are not advisable. The plan included the development of a list of potential volunteers as well as a training aimed to educated volunteers on how to perform street audits. Additionally, our team conducted technical audits in the previously mentioned priority neighborhoods to provide a technical perspective in analyzing existing infrastructure.





### District 1



#### Interactive map:

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Date	2/25/2021
First Name	Sarah
Last Name	Dillabough
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	The Hospitals of Providence Transmountain Campus (2000 Woodrow Bean Transmountain Dr, El Paso, TX 79911)

Ending Address/Intersection	The Outlet Shoppes at El Paso (7051 S Desert Blvd, Canutillo, TX 79835)
Sidewalks	<ul> <li>Sidewalk is not continuous.</li> <li>Sidewalk is wide enough for two people to easily walk together side by side.</li> <li>Sidewalk has nothing separating it from the street (grass, trees, parked cars).</li> <li>Shared use style path extending from the hospital to the outlet, aside from crossing at the intersection of the highway.</li> </ul>
Overall, the quality and safety of sidewalks is:	Good
Street Crossings and Intersections	<ul> <li>The street crossings in this segment are great. Each major crossing has an audible street crossing that counts down the time left.</li> <li>Street crossing time varies from 30 seconds to 45 seconds depending on the width of the crossing. However, the crossing at the highway is shorter in time, not voice activated, and obstructed by debris.</li> </ul>
Overall, the quality and safety of street crossing and intersections is:	Good
Bicycle Facilities	<ul> <li>There is a shared use path separated from the street.</li> <li>There are no bicycle facilities, such as bike racks or repair stations.</li> <li>The crossing at the highway would be challenging for a bicycle.</li> </ul>
Overall, the quality and safety of the bike facilities are:	Good
Driver Behavior	<ul> <li>Drivers appear to be speeding.</li> <li>Pedestrians are separated from the street via the shared use path. However, at the intersection of the highway, vehicles are coming at extremely fast speeds making the crossing uncomfortable for the user.</li> </ul>
Overall, the quality and safety of driver behavior is:	Good

Safety	<ul> <li>Car speeds are too fast.</li> <li>There are no signs at interactions that lack cross walk signals alerting vehicles to other mobility users.         Therefore, those crossings are extremely uncomfortable and unsafe.     </li> </ul>
Overall, the feeling of safety in this area is:	Neutral
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>Although there is a shared use path, there is no shade, rest stops, or any other amenity to make the walk more comfortable and inviting.</li> </ul>
Overall, the comfort and appeal in this area is:	Neutral
Which of the following traffic calming elements would improve safety along your Street Audit route?	Large LED street signs alerting vehicles coming off the highway to other mobility users.
Overall comments	This segment was overall comfortable to walk. However, was extremely uncomfortable at the intersection with the highway (4-way intersection). In addition, there were some cut off walkways/sidewalks once arriving at the outlets that would be impossible for a person in a wheelchair to navigate.











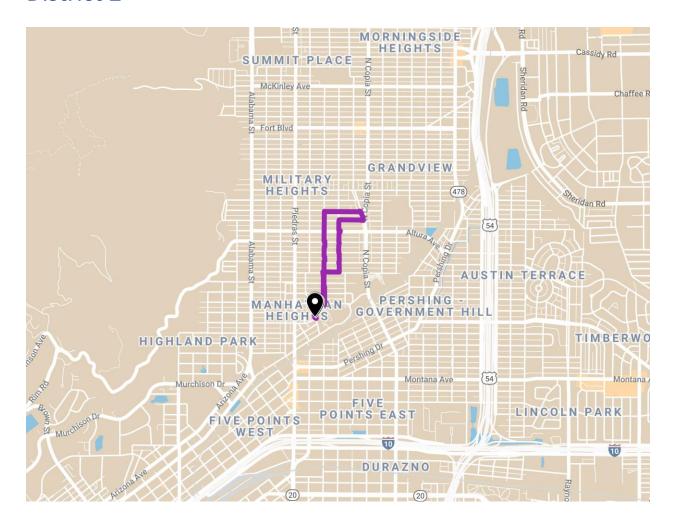








### District 2



#### Interactive map:

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Date	2/25/2021
First Name	Sarah
Last Name	Dillabough
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	Memorial Park (1701 N Copia St, El Paso, TX 79930)
Ending Address/Intersection	Austin High School (3500 Memphis Ave, El Paso, TX 79930)

Sidewalks	<ul> <li>No sidewalks or paths.</li> <li>Sidewalks are broken, cracked, or have trip hazards.</li> <li>Sidewalks are blocked by overgrown landscaping, poles, signs, plants, vehicles, etc.</li> <li>Sidewalk is not continuous.</li> <li>Sidewalk has nothing separating it from the street (grass, trees, parked cars.)</li> <li>Sidewalk is inaccessible due to construction.</li> <li>Aside from immediately around Memorial Park, sidewalks are either blocked, discontinuous, or not present entirely. In addition, there are obstacles, such as cars and debris on driveways and curbs.</li> <li>The walk from Memorial Park to Austin High School is inaccessible for anyone with a mobility restriction and is dangerous for all users aside from cars.</li> </ul>
Overall, the quality and safety of sidewalks is:	Poor
Street Crossings and Intersections	<ul> <li>The road is too wide to cross easily.</li> <li>The crossing does not have a pedestrian-activated button,</li> <li>There is no crosswalk, or it is poorly marked.</li> <li>I must walk too far to find a safe, marked crosswalk,</li> <li>Intersection does not have a curb ramp for carts, wheelchairs, strollers, walker, etc.</li> <li>Curb ramps are inaccessible due to weeds, trash, sediment, etc.</li> <li>There are no crosswalks at most intersections.</li> <li>To get to Austin High School, one must cross Copia, a very wide street with no traffic calming measures and a faded cross walk. In addition, within the neighborhoods, the crossings are inaccessible for anyone using wheelchair or pushing a stroller.</li> <li>Most of the time you must cross into the street and keep walking on the street.</li> </ul>
Overall, the quality and safety of street crossing and intersections is:	Poor
Bicycle Facilities	<ul><li>No bicycle facilities exist.</li><li>Copia appears wide enough for a bike lane.</li></ul>
Overall, the quality and safety of the bike facilities are:	Poor

Overall, the quality and safety of	<ul> <li>Drivers are not looking out for people walking, make unexpected turns, or seem hostile.</li> <li>This neighborhood has relatively low traffic, yet there are many parked cars that block access to safe crossing or force mobility users to use the street.</li> </ul>
driver behavior is:	
Safety	<ul> <li>Objects or obstacles block pedestrian view.</li> <li>There are abandoned or unkempt lots and/or structures.</li> <li>The overall feeling safety is fair. However, the poor street design is unsafe and inaccessible for people using alternative mobility modes, such as walkers, wheelchairs, etc.</li> </ul>
Overall, the feeling of safety in this area is:	Poor
Comfort and Appeal	<ul> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>Aside from the lack of adequate sidewalks and safe crossings, the route offers little shade and no rest areas.</li> </ul>
Overall, the comfort and appeal in this area is:	Bad
Which of the following traffic calming elements would improve safety along your Street Audit route?	<ul> <li>Intersection bulbouts</li> <li>Splitter island</li> <li>Roundabout</li> <li>Textured/colored crosswalks</li> </ul>











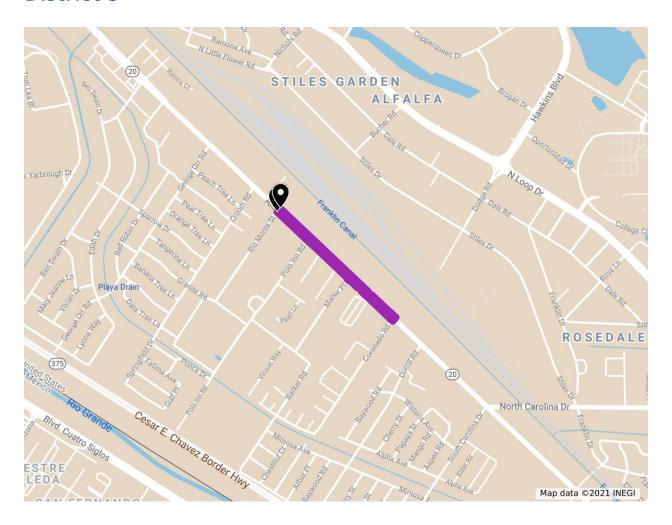








### District 3



### Interactive map:

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Date	2/24/2021
First Name	Miguel
Last Name	Fraga
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	Alameda Ave & Rio Monte St., El Paso, TX 79915
Ending Address/Intersection	Alameda Ave & Coronado Rd., El Paso, TX 79915

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Sidewalks	No sidewalks or paths.
	Sidewalks are broken, cracked, or have trip hazards.
	Sidewalks are blocked by overgrown landscaping, poles, signs,
	plants, vehicles, etc.
	Sidewalk is not continuous.
	Sidewalk has nothing separating it from the street (grass, trees,     partial sees.)
	parked cars.)
	Uneven sidewalks with varying materials. Some parts have ADA
	accessibility, but the majority has poles blocking the ways or other trip hazards
	trip riazarus
Overall, the quality and	Bad
safety of sidewalks is:	
Street Crossings and	The road is too wide to cross easily.
Intersections	The crossing does not have a pedestrian-activated button.
	There is no crosswalk or it is poorly marked.
	I have to walk too far to find a safe, marked crosswalk.
	Curb ramps are inaccessible due to weeds, trash, sediment, etc.
	No safe crossings at all, some sidewalks are blocked by dirt and
	trash.
Overall, the quality and	Poor
safety of street crossing and	
intersections is:	
Bicycle Facilities	No bicycle facilities
Overall, the quality and	Poor
safety of the bike facilities	
are:	
Driver Behavior	Drivers do not stop at stop signs or behind the crosswalk.
Briver Bellavior	<ul> <li>Drivers appear to be speeding.</li> </ul>
	<ul> <li>Drivers appear to be speeding.</li> <li>Drivers aren't looking out for people walking, make unexpected</li> </ul>
	turns, or seem hostile.
	<ul> <li>Vehicles were going too fast, no one stopped at the crossing when</li> </ul>
	a pedestrian was about to cross.
	·
Overall, the quality and	Bad
safety of driver behavior is:	
safety of differ behavior is.	
Safety	Car speeds are too fast.
	<ul> <li>Car speeds are too fast.</li> <li>There is too much traffic.</li> </ul>
	·
	There is too much traffic.

	High traffic makes this area uninviting.
Overall, the feeling of safety in this area is:	Bad
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>No street trees or shade structures at all.</li> <li>Public art would make this area more inviting.</li> </ul>
Overall, the comfort and appeal in this area is:	Poor
Which of the following traffic calming elements would improve safety along your Street Audit route?	<ul><li>Splitter island</li><li>Textured/colored crosswalks:</li><li>Chicanes</li></ul>
Overall comments	Street seems very unsafe for pedestrians and inaccessible to individuals with disabilities.











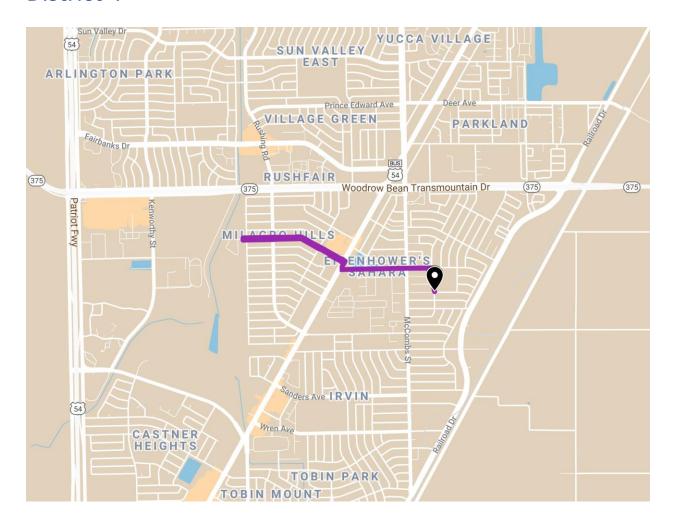








### District 4



#### Interactive map:

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Date	2/25/2021
First Name	Sarah
Last Name	Dillabough
Organization	Quantum Engineering Consultants
Starting Address/Intersection	Dolphin Park (5927-5851 Marlin Dr, El Paso, TX 79924)

Ending	Skyline Optimist Youth Park (5050 Yvette Ave., El Paso, TX 79924)
Address/Intersection	
Sidewalks	<ul> <li>No sidewalks or paths.</li> <li>Sidewalk is not continuous.</li> <li>Sidewalk is wide enough for two people to easily walk together side by side.</li> <li>Sidewalks are prevalent through the segment and mostly continuous and accessible.</li> <li>Sidewalks are wide enough for two people to walk side by side.</li> <li>Only some areas lack sidewalk connections. However, upon entering the Skyline Optimist Youth Park, there are no sidewalks, this mobility users other than vehicles have to use the street.</li> </ul>
Overall, the quality and safety of sidewalks is:	Neutral
Street Crossings and Intersections	<ul> <li>The crossing does not have a pedestrian-activated button.</li> <li>There is no crosswalk, or it is poorly marked.</li> <li>Crosswalks are faded, but present at most major intersections.</li> <li>Some streets within the neighborhood are very wide with no traffic calming measures making crossing challenging and unsafe.</li> </ul>
Overall, the quality and safety of street crossing and intersections is:	Good
Bicycle Facilities	Within the neighborhoods, there are no bicycle facilities. It appears that some streets can accommodate on-street bicycle facilities.
Overall, the quality and safety of the bike facilities are:	Bad
Driver Behavior	<ul> <li>Drivers within the neighborhood drive adequately.</li> <li>Sidewalks allow for separation of other mobility users.</li> <li>Drivers respect street signs. T</li> <li>here are some streets that have speed bumps as traffic calming measures.</li> </ul>
Overall, the quality and safety of driver behavior is:	Good
Safety	<ul> <li>There is too much traffic.</li> <li>Crossing major intersections, such as Rushing and Dyer feels less safe due to the high volume of traffic.</li> </ul>

Overall, the feeling of safety in this area is:	Good
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>Although sidewalks are prevalent, there is little to no shade making a walk/ride during the summer months unbearable.</li> </ul>
Overall, the comfort and appeal in this area is:	Bad
Which of the following traffic calming elements would improve safety along your Street Audit route?	<ul> <li>Intersection bulbouts</li> <li>Splitter island</li> <li>Textured/colored crosswalks</li> <li>Chicanes: Promotes reduced vehicle speeds away from intersections,</li> <li>Many streets within the neighborhoods are wide enough to accommodate for a range of traffic calming measures. This would increase comfort and safety for street crossings.</li> <li>Textured/colored sidewalks would increase safety and visibility of other mobility users to vehicles.</li> </ul>











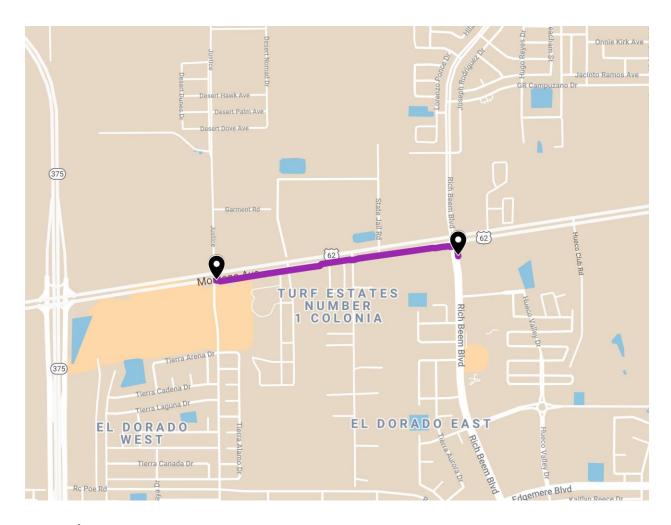








### District 5



#### Interactive map:

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Date	2/24/2021
First Name	Miguel
Last Name	Fraga
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	Montana Ave. and Rich Beem Blvd., El Paso, TX 7998

Ending Address/Intersection	Montana Ave. and Tierra Este Rd., El Paso, TX 79938
Sidewalks	<ul> <li>No sidewalks or paths.</li> <li>Sidewalks are broken, cracked, or have trip hazards.</li> <li>Sidewalks are blocked by overgrown landscaping, poles, signs, plants, vehicles, etc.</li> <li>Sidewalk is not continuous.</li> <li>For most of the audit there were no sidewalks; however, whenever there was a sidewalk present, ADA ramps were available.</li> </ul>
Overall, the quality and safety of sidewalks is:	Poor
Street Crossings and Intersections	<ul> <li>The road is too wide to cross easily.</li> <li>Traffic signals do not give enough time to cross the street.</li> <li>I have to walk too far to find a safe, marked crosswalk.</li> <li>Time to cross the Montana / Rich Beem crosswalk was 20 seconds, too wide of a street for that time; however, it has a pedestrian island.</li> </ul>
Overall, the quality and safety of street crossing and intersections is:	Bad
Bicycle Facilities	No bicycle facilities
Overall, the quality and safety of the bike facilities are:	Poor
Driver Behavior	<ul> <li>Drivers appear to be speeding</li> <li>Some drivers appear to be speeding, making the walk uncomfortable</li> </ul>
Overall, the quality and safety of driver behavior is:	Bad
Safety	<ul> <li>Car speeds are too fast.</li> <li>There is too much traffic.</li> <li>There are vacant lots or rundown buildings.</li> <li>There are abandoned or unkempt lots and/or structures.</li> <li>Several unkept lots can be seen here that significantly affects the sense of safety.</li> </ul>
Overall, the feeling of safety in this area is:	Bad

Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>Some areas had street trees, but the vast majority of the area had no street trees or shade structures.</li> </ul>
Overall, the comfort and appeal in this area is:	Bad
Which of the following traffic calming elements would improve safety along your Street Audit route?	<ul> <li>Splitter island</li> <li>Textured/colored crosswalks         Chicanes:     </li> </ul>
Overall Comments	The lack of sidewalks makes this highly transited area unsafe and inaccessible for individuals with disabilities.











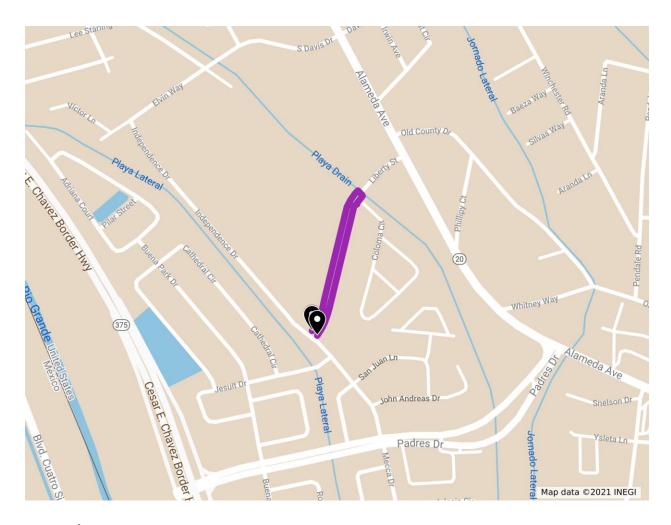








### District 6



#### Interactive map:

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Date	1/18/2021
First Name	Alec
Last Name	Mondello
Organization	Quantum Engineering Consultants
Starting Address/Intersection	Independence Dr & Liberty St., El Paso, TX 79907
Ending Address/Intersection	Coloma Cir & Liberty St., El Paso, TX 79907

Sidewalks	Sidewalks in good condition overall, minor trip hazards near driveways, saw someone running on the sidewalk and on to the Playa Drain Trail
Overall, the quality and safety of sidewalks is:	Good
Overall, the quality and safety of street crossings and	<ul> <li>The crossing does not have a pedestrian-activated button.</li> <li>There is no crosswalk or it is poorly marked.</li> <li>I have to walk too far to find a safe, marked crosswalk.</li> <li>Ramp at Coloma is very steep and no striped crosswalk.</li> <li>No directional ramp between trail and liberty.</li> <li>Good</li> </ul>
intersections is:	
Bicycle Facilities	<ul> <li>No bike facilities, pavement condition appears to be in decent condition and would provide adequate ride quality for cyclists if sharrows were implemented</li> </ul>
Overall, the quality and safety of the bike facilities are:	Poor
Driver Behavior	<ul> <li>Drivers appear to be speeding.</li> <li>Mid-block chokers/chicanes would help to slow down vehicles outside of the school zone</li> </ul>
Overall, the quality and safety of driver behavior is:	Good
Safety	<ul> <li>Car speeds are too fast</li> <li>There are signs to alert drivers of pedestrians and bike riders</li> </ul>
Overall, the feeling of safety in this area is:	Great
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting</li> </ul>
Overall, the comfort and appeal in this area is:	Neutral
Which of the following traffic calming elements would improve safety along your Street Audit route?	<ul> <li>Intersection bulbouts</li> <li>Textured/colored crosswalks</li> <li>Chicanes</li> </ul>











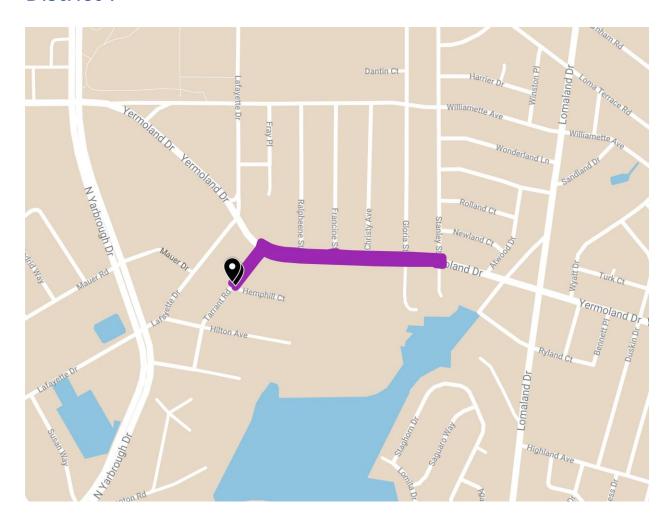








### District 7



### Interactive map:

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Date	2/23/2021
First Name	Miguel
Last Name	Fraga
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	Hemphill Ct & Tarrant Rd, El Paso, TX 79907
Ending Address/Intersection	Yermoland Dr & Stanley St, El Paso, TX 79907

Sidewalks	<ul> <li>Sidewalks are broken, cracked, or have trip hazards.</li> <li>Sidewalks are blocked by overgrown landscaping, poles, signs, plants, vehicles, etc.</li> <li>Sidewalk has nothing separating it from the street (grass, trees, parked cars.)</li> <li>Some ADA ramps have bumps that make it inaccessible and some parts of the sidewalk are too steep for a wheelchair.</li> </ul>
Overall, the quality and safety of	Neutral
sidewalks is:	
Street Crossings and Intersections	<ul> <li>The road is too wide to cross easily.</li> <li>There is no crosswalk or it is poorly marked.</li> <li>I have to walk too far to find a safe, marked crosswalk.</li> <li>Not enough marked crosswalks and streets are wide enough to fit a bike lane.</li> </ul>
Overall, the quality and safety of	Neutral
street crossing and intersections is:	
Bicycle Facilities	No facilities for bike lanes
Overall, the quality and safety of	Poor
the bike facilities are:	
Driver Behavior	<ul> <li>Drivers aren't looking out for people walking, make unexpected turns, or seem hostile.</li> <li>Drivers do not yield to people walking.</li> <li>Drivers did not yield to me as I tried to cross the street.</li> </ul>
Overall, the quality and safety of driver behavior is:	Bad
Safety	<ul> <li>There are signs to alert drivers of pedestrians and bike riders.</li> <li>There are vacant lots or rundown buildings.</li> <li>There are abandoned or unkempt lots and/or structures.</li> <li>Unleashed dogs or other intimidating animals are present.</li> <li>No pedestrians were seen during this audit besides two adults at the park.</li> </ul>
Overall, the feeling of safety in this	Neutral
area is:	
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>Several bus stops with no benches or shade structures.</li> <li>There were not enough street trees along the sidewalk.</li> </ul>

Overall, the comfort and appeal in	Bad
this area is:	
Which of the following traffic	Splitter island
calming elements would improve	Textured/colored crosswalks
safety along your Street Audit	·
route?	











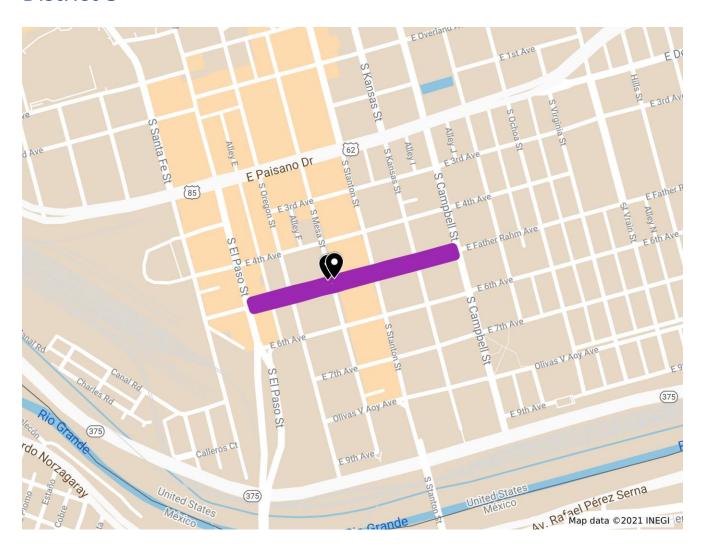








### District 8



#### Interactive map:

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Date	2/24/2021
First Name	Miguel
Last Name	Fraga
Organization	Quantum Engineering Consultants, Inc.
Starting Address/Intersection	S Santa Fe St & W Father Rahm Ave, El Paso, TX 79901
Ending Address/Intersection	S Campbell St & E Father Rahm Ave, El Paso, TX 79901

Sidewalks	<ul> <li>Sidewalks are blocked by overgrown landscaping, poles, signs, plants, vehicles, etc.</li> <li>Sidewalk is wide enough for two people to easily walk together side by side.</li> <li>Sidewalk has nothing separating it from the street (grass, trees, parked cars.)</li> <li>Sidewalk is inaccessible due to construction.</li> <li>Some parts of the sidewalk did not have a separation between the sidewalk and the street. One section had several bumps, limiting ADA accessibility.</li> </ul>
Overall, the quality and safety of sidewalks is:	Good
Street Crossings and Intersections	<ul> <li>The crossing does not have a pedestrian-activated button.</li> <li>There is no crosswalk or it is poorly marked.</li> <li>Some crosswalks need to be repainted and for the main streets there were no pedestrian-activated buttons.</li> </ul>
Overall, the quality and safety of street crossing and intersections is:	Neutral
Bicycle Facilities	No bike facilities at all
Overall, the quality and safety of the bike facilities are:	Poor
<b>Driver Behavior</b>	A lot of traffic, but drivers seemed to be used to pedestrians
Overall, the quality and safety of driver behavior is:	Neutral
Safety	<ul> <li>There is too much traffic.</li> <li>There are vacant lots or rundown buildings.</li> <li>There are abandoned or unkempt lots and/or structures.</li> <li>There are people on the street who seem threatening.</li> <li>Men on some sidewalks may seem threatening to some pedestrians since they block the sidewalk. They are mostly workers and neighbors.</li> </ul>
Overall, the feeling of safety in this area is:	Bad
Comfort and Appeal	<ul> <li>There is not enough shade from canopies, awnings, or trees.</li> <li>There are not enough street trees or other landscaping.</li> <li>The street needs benches and places to rest.</li> <li>The street needs public art and amenities to become more inviting.</li> <li>Street trees would significantly improve comfort and reduce heat island effect. One building had rain gutter directing water to the street, this would be a perfect location for a green infrastructure feature.</li> </ul>
Overall, the comfort and appeal in this area is:	Bad

Which of the following traffic	Textured/colored crosswalks
calming elements would	
improve safety along your	
Street Audit route?	
Overall Comments	Street art would make it more inviting. There are several alleys that
	could make great additions to the walking experience. Sidewalks were
	wide enough to fit two people comfortably.

















