

Americans with Disabilities Act (ADA)
Sidewalk Transition Plan

Transition Plan Update



Sidewalk Transition Plan Update

- Plan summary
- Current sidewalk improvement practices
- Sidewalk inventory process
- Sidewalk evaluation and ranking
- Summer 2019 inventory areas
- Funding/responsibility for repairs
- Guidance from Council

Living document to be updated each year.

ADA Sidewalk Transition Plan Summary

- Sidewalk design specifications, standards, and practices
- Practices for street and sidewalk improvements
- Inventory of the sidewalk system
- Evaluation and ranking
- Plan to address ADA compliance
- Officials responsible for plan implementation
- Grievance procedure
- Public involvement



Current City Sidewalk Improvement Practices

- Asphalt Overlay Projects (Curb Ramp Replacement)
- Large CIP Roadway Improvement Projects
- CIP Sidewalk Improvements Projects
- Intersection Improvement Projects
- Bus Shelter Projects
- Street Maintenance sidewalk repairs

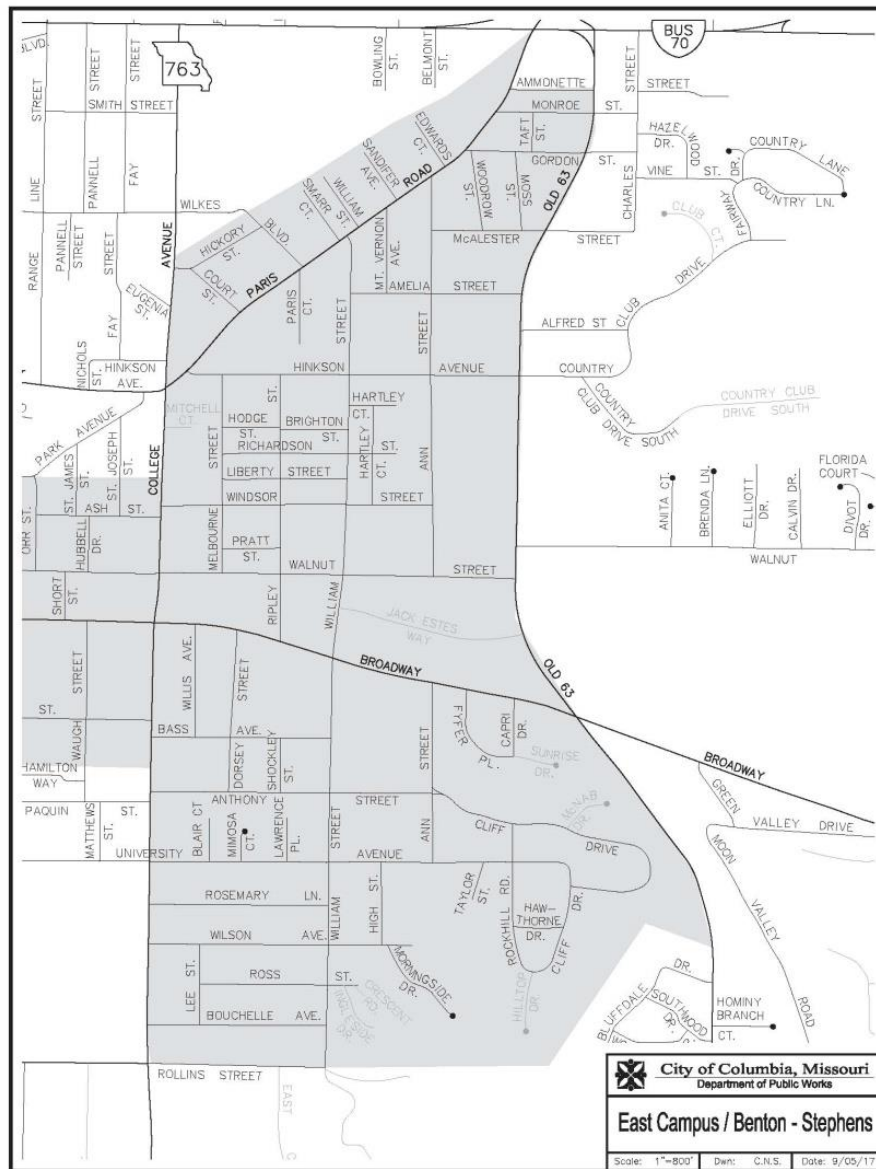


Summer 2018 Inventory Process

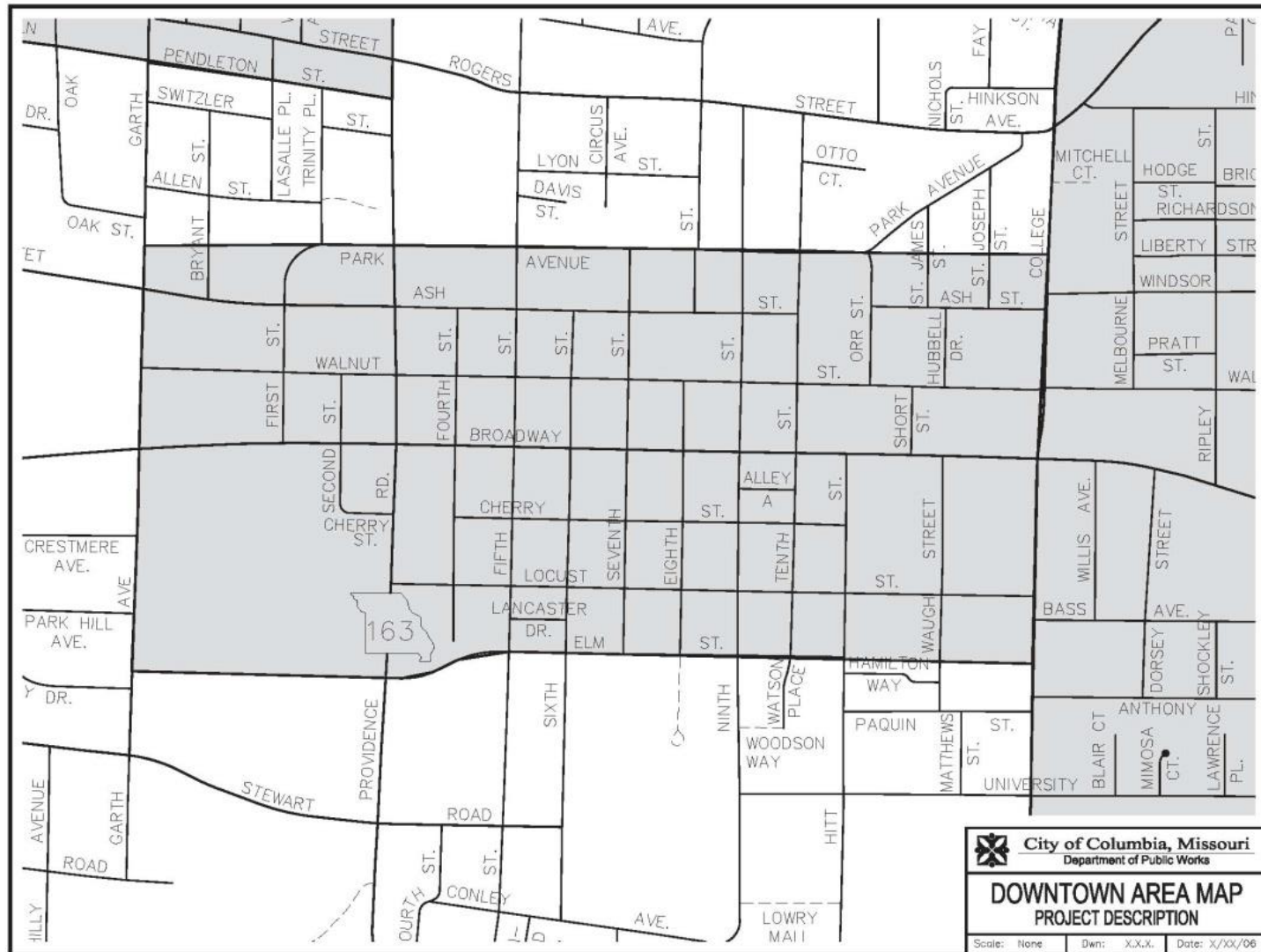
Work through inventorying designated sections of the City each year:

- Hired 2 summer engineering interns
- Worked with GIS to fine tune app and dashboard
- Start with City properties
- Worked through the areas planned for the summer

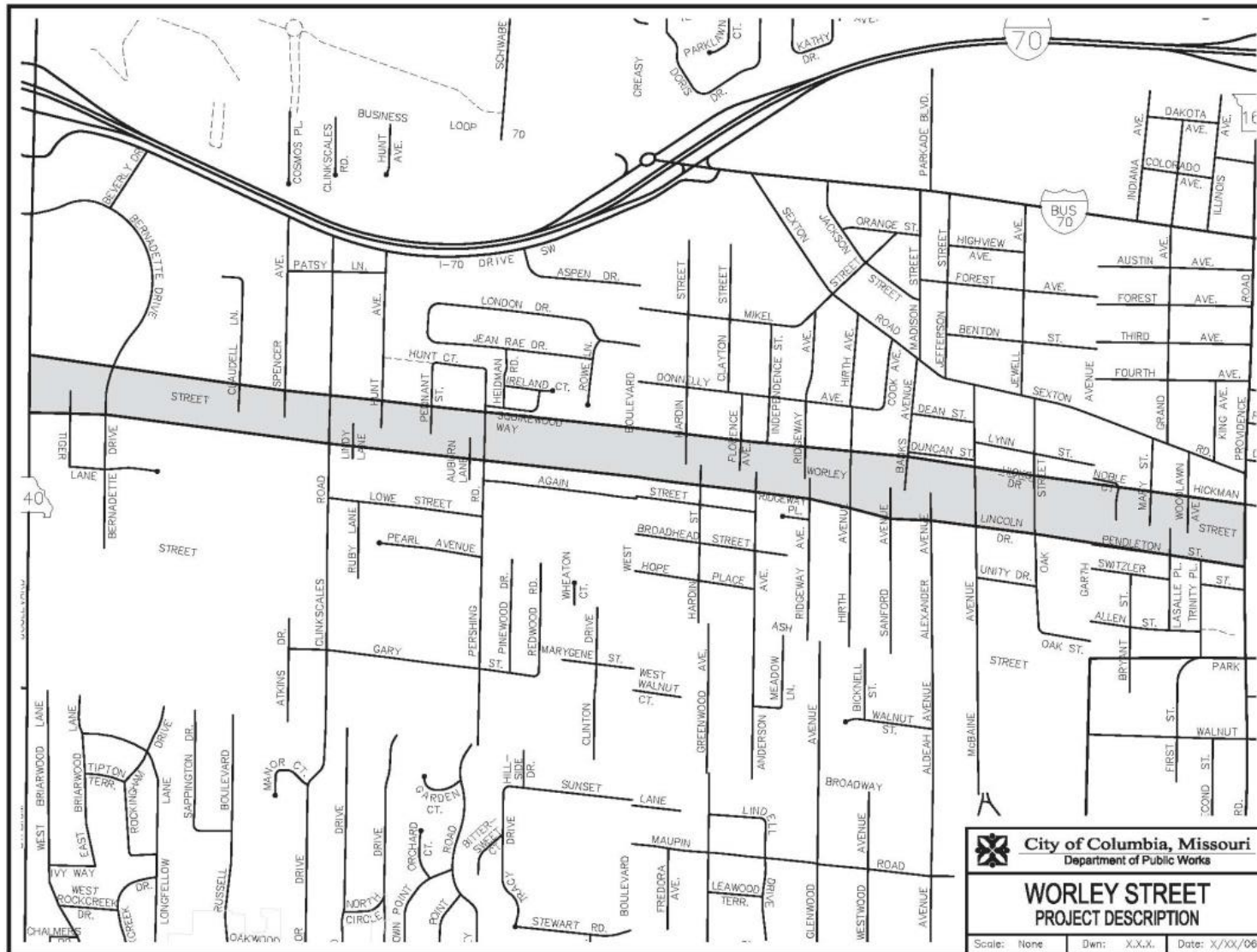
East Campus/Benton-Stephens Location



Downtown Inventory Location



Worley Street Location



GIS Sidewalk Inventory App

App for iPad Included:

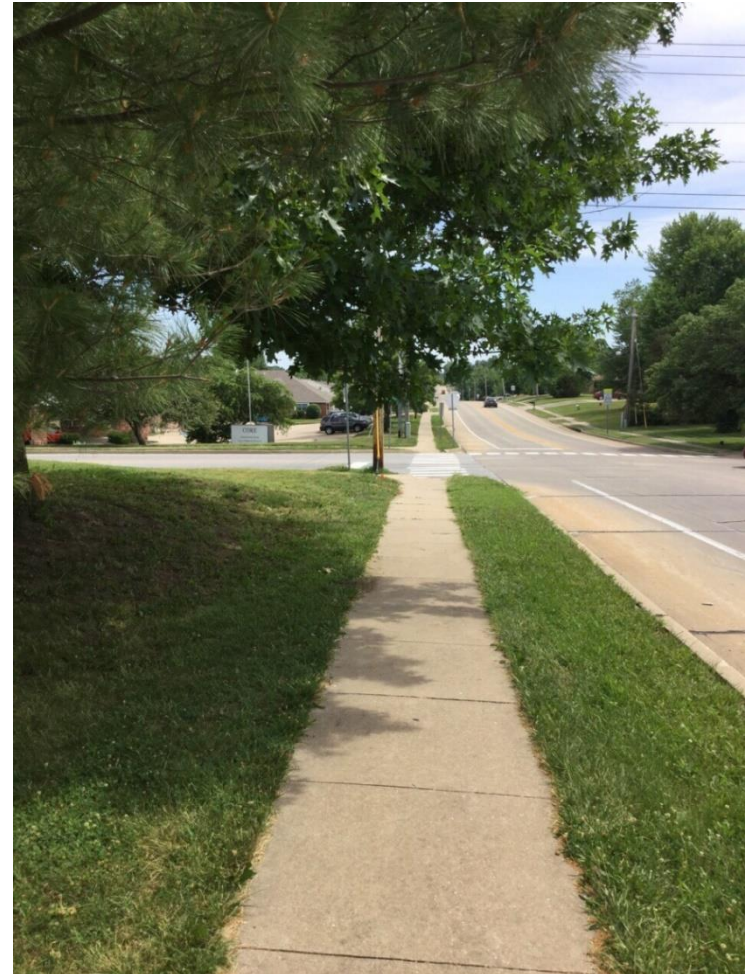
- Sidewalks
- Driveways
- Curb Ramps
- Signalized Pedestrian Crossings
- Bus Shelters
- Obstructions



Sidewalk Inventoried: Summer 2018

Inventoried City Properties, Benton/Stephens, East Campus, Downtown, Worley Street, and Garth Avenue.

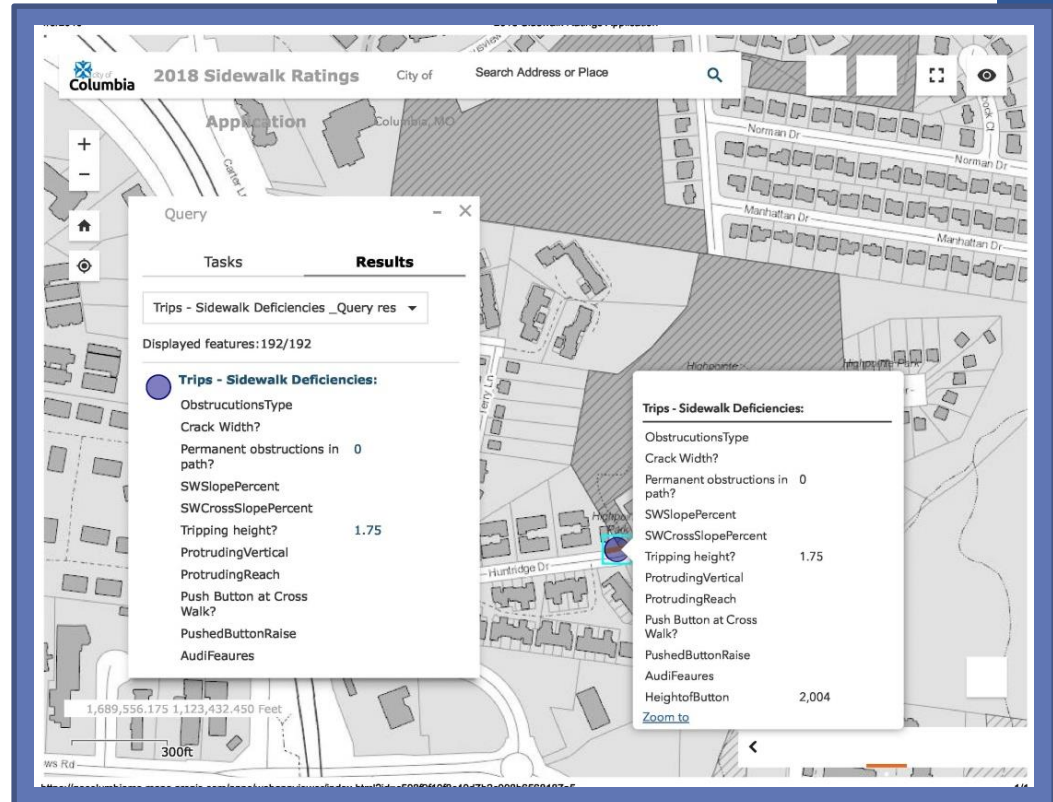
- Facility Types Inventoried:
 - Sidewalks: 1867 sections
 - Driveways: 1203 sections
 - Curb Ramps: 645 ramps
 - Pedestrian Crossings: 242 crossings
 - Bus Shelters: 35 shelters
- Obstruction Types Inventoried:
 - Significant Cross Slope: 100 locations
 - Significant Running Slope: 102 locations
 - Trip Hazard: 3019 locations
 - Gap/Crack Hazard: 877 locations
 - Landing Needed: 272 locations
 - Fixed Protruding Object: 236 locations
 - Protruding Vegetation: 286 locations



Sidewalk Evaluation and Ranking

Spreadsheet and GIS Dashboard:

- Sidewalks
- Driveways
- Curb Ramps
- Signalized Pedestrian Crossings
- Bus Shelters
- Obstructions



Sidewalk Evaluation and Ranking

- Downloaded inventory data to spreadsheet.
- Developed a point system to rank sidewalk features.
- Ranked as Compliant, Substantially Compliant, or Correction Recommended.
- Improvements prioritized based on need within the available budget.

GIS created a dashboard to query the information by location, ranking, etc.

Sidewalk & Driveway Ranking

Sidewalk/Driveway Ranking:

Width Rating		Cross Slope Rating				Ranking		
Width Range (in)		Rating	Cross Slope Range (%)		Rating	Total Rating Range		Ranking
Low	High		Low	High		Low	High	
60	-	0	0	2	0	0	0	Compliant
48	59	1	2.01	4	1	1	4	Substantially Compliant
36	47	3	4.01	5	3	5	10	Correction Recommended
-	35	5	5.01	-	5			

Curb Ramp Ranking

Curb Ramp Ranking:

Ramp Width Rating			*Ramp Running Slope Rating			Ramp Cross Slope Rating		
Width Range		Rating	Running Slope Range		Rating	Cross Slope Range		Rating
Low	High		Low	High		Low	High	
48	-	0	0	4.99	0	0	1.99	0
36	47	2	5	8.33	0	2	3.99	1
0	35	5	8.34	10.99	3	4	5.99	3
			11	-	5	6	-	5

Ramp Obstructions Rating		Ramp Dome Type Rating		Ranking		
Obstructions	Rating	Dome Type	Rating	Total Rating Range		Ranking
				Low	High	
0	0	Rubber	0	0	0	Compliant
1	1	Stamped	2	1	5	Substantially Compliant
2	3	None	5	6	25	Correction Recommended
3	5					

Pedestrian Crossing Ranking

Signalized Pedestrian Crossing Ranking:

Height Rating		Distance Rating		Parallel Rating	
Button < 48" high?	Rating	Button <10" from landing?	Rating	Button parallel to crossing?	Rating
Yes	0	Yes	0	Yes	0
no	1	No	1	No	1

Ranking		
Total Rating Range		Ranking
Low	High	
0	0	Compliant
1	2	Substantially Compliant
3		Correction Recommended

Bus Shelter Ranking

Bus Shelter Ranking:

Pad Length Rating			Pad Width Rating			Pad Slope Rating		
Pad Length Range (in)		Rating	Pad Width Range (in)		Rating	Pad Slope Range (%)		Rating
Low	High		Low	High		Low	High	
96	-	0	60	-	0	0	2	0
84	95	2	48	59	1	2.01	3	1
72	83	3	36	47	3	3.01	4	2
60	71	4	0	35	5	4.01	5	3
0	59	5				5.01	-	5

Shelter Width Rating			Shelter Length Rating			Ranking		
Shelter Width Range (in)		Rating	Shelter Length Range (in)		Rating	Total Rating Range		Ranking
Low	High		Low	High		Low	High	
30	-	0	48	-	0	0	0	Compliant
24	29	3	36	47	3	1	4	Substantially Compliant
0	23	5	0	35	5	5	25	Correction Recommended

Obstructions Ranking

Significant Cross Slope:

2% to 5.9%

6% to 10%

Greater than 10%

Significant Running Slope:

5% to 7.9%

8% to 10%

Greater than 10%

Trip Hazard:

0.25 inches to 0.5 inches

0.6 inches to 1 inch

Greater than 1 inch

Gap/Crack Hazard:

0.5 inches to 1 inch

1.1 inches to 2 inches

Greater than 2 inches

Needs Landing (Top or Bottom):

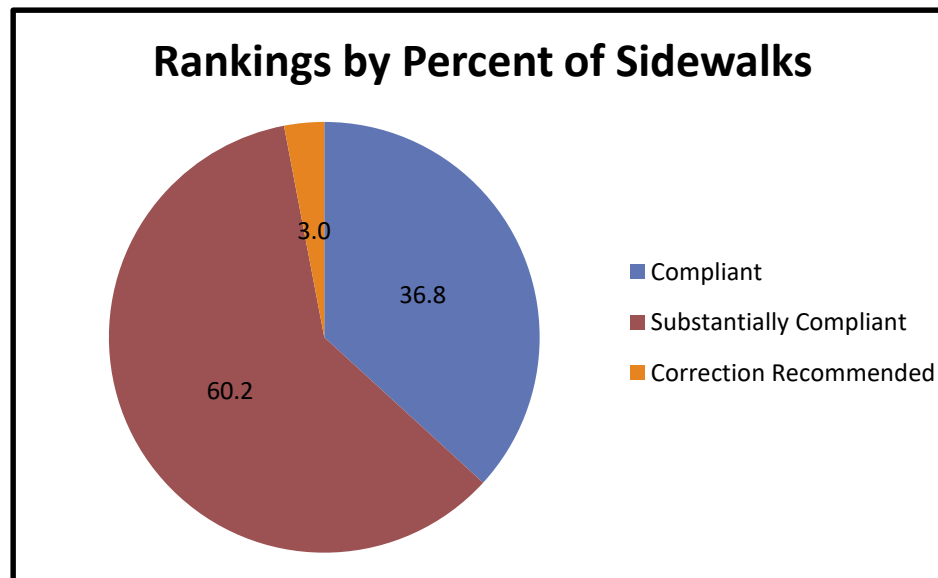
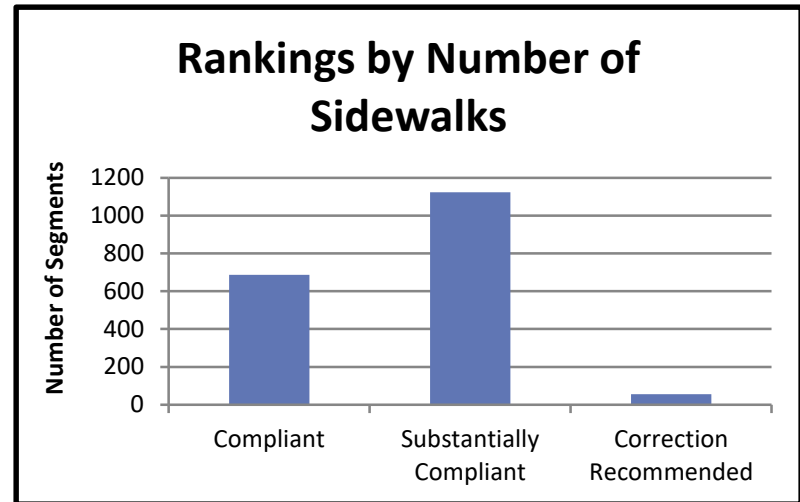
Total quantity, need will be determined per field review of each site

Protruding Object/Obstruction (Vegetation, Utility Pole, Other):

Quantity divided into Vegetation or Fixed Object

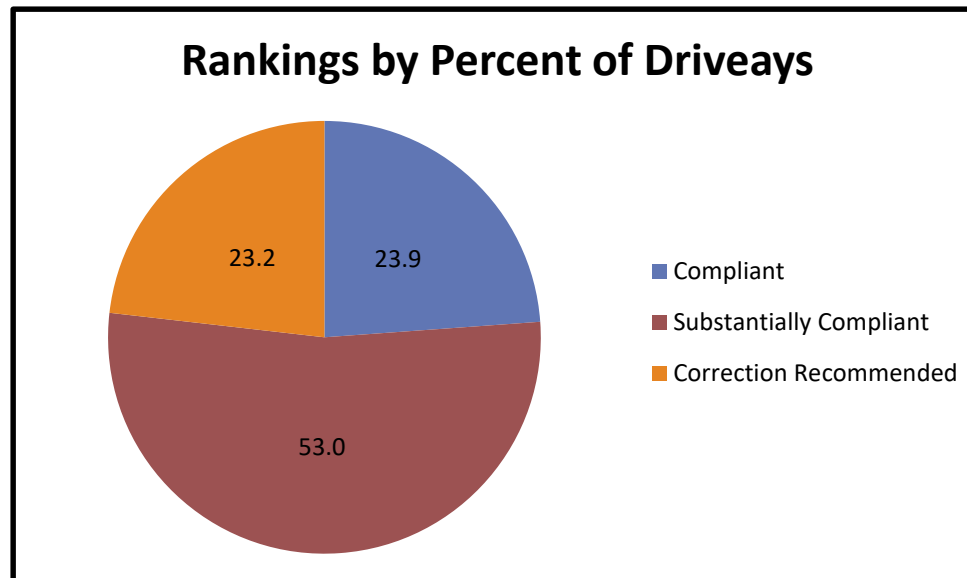
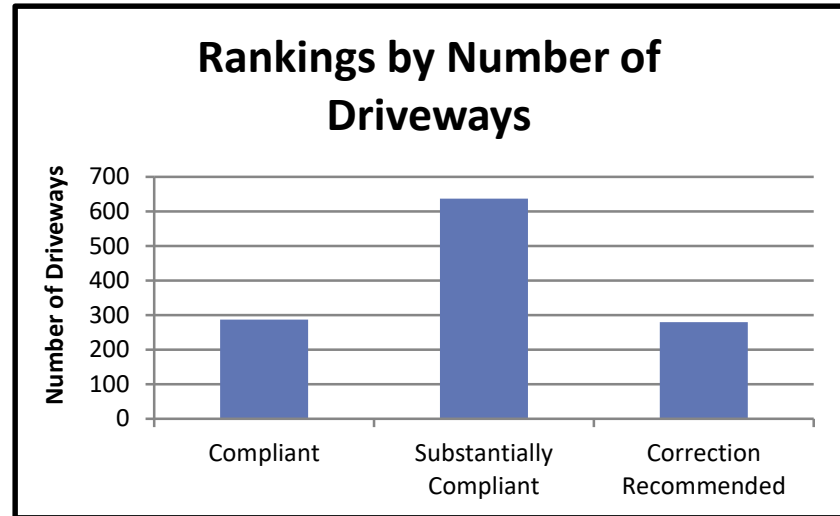
Sidewalk Ranking Results

Sidewalk Ranking	Number of Sidewalks	Percent of Sidewalks
Compliant	687	36.8
Substantially Compliant	1124	60.2
Correction Recommended	56	3.0
Total	1867	100



Driveway Ranking Results

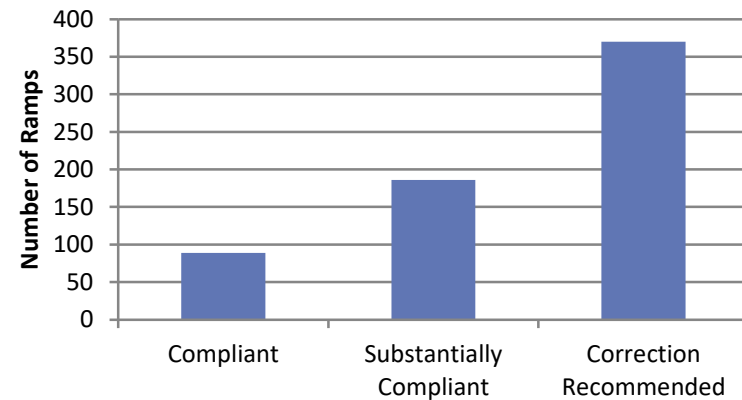
Driveway Ranking	Number of Driveways	Percent of Driveways
Compliant	287	23.9
Substantially Compliant	637	53.0
Correction Recommended	279	23.2
Total	1203	100



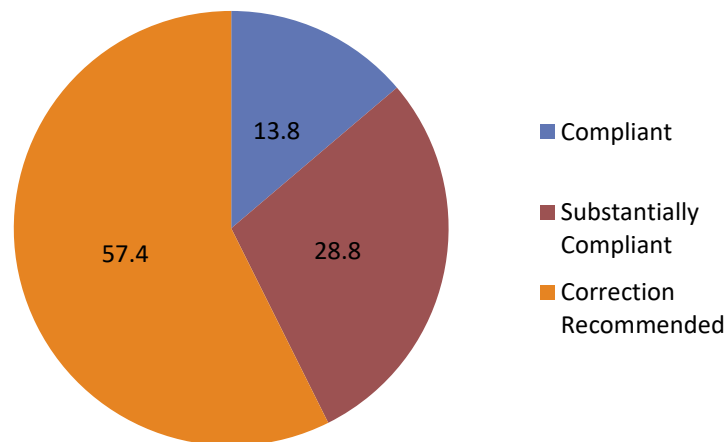
Curb Ramp Ranking Results

Ramp Ranking	Number of Ramps	Percent of Ramps
Compliant	89	13.8
Substantially Compliant	186	28.8
Correction Recommended	370	57.4
Total	645	100

Rankings by Number of Ramps

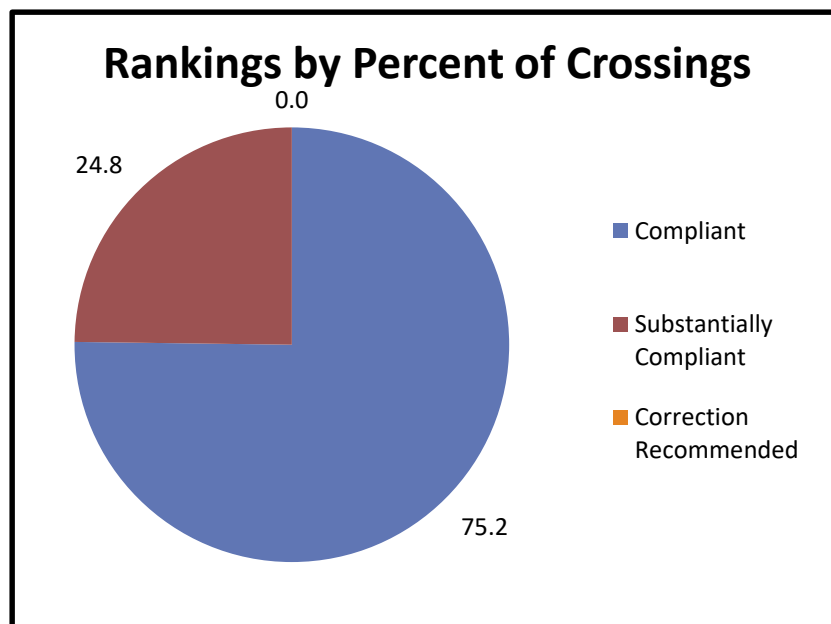
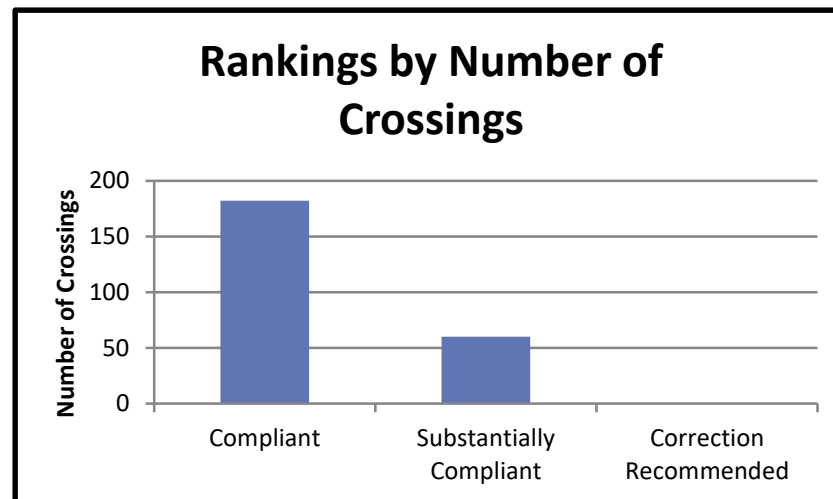


Rankings by Percent of Ramps



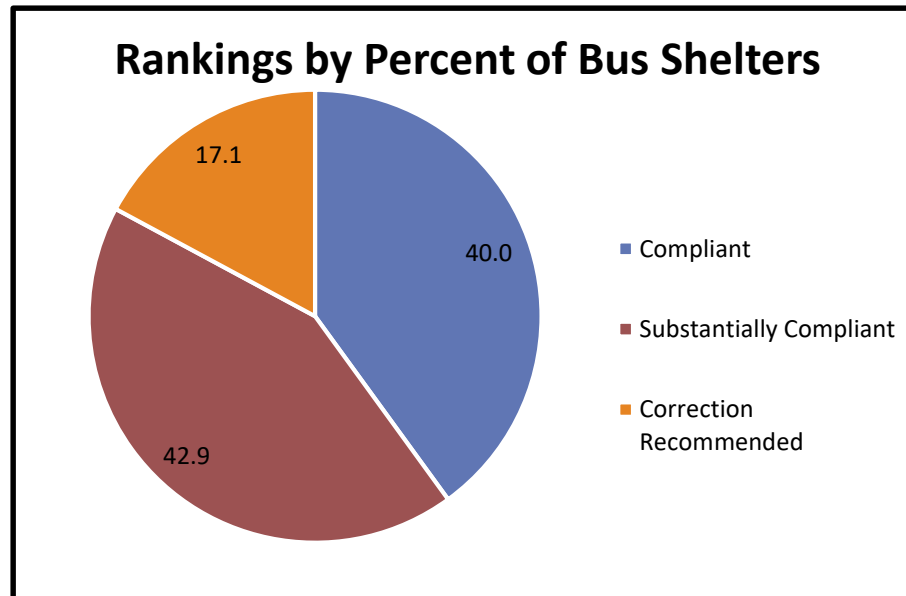
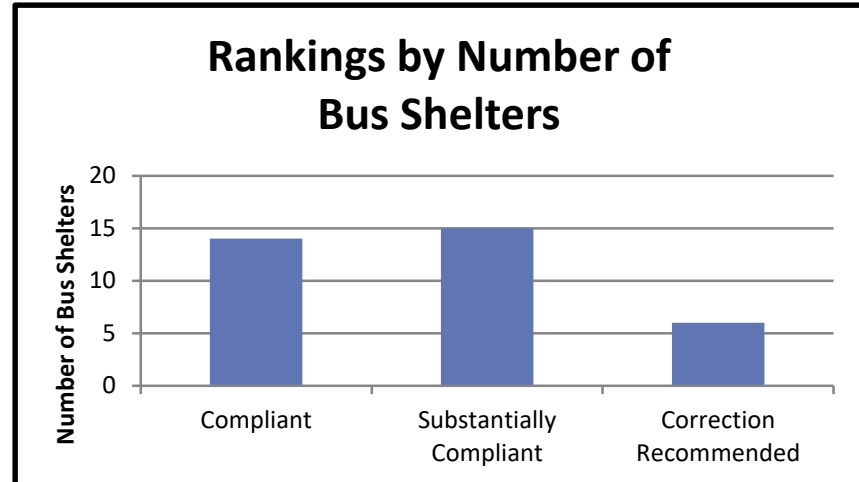
Signalized Pedestrian Crossing Ranking Results

Crossing Ranking	Number of Crossings	Percent of Crossings
Compliant	182	75.2
Substantially Compliant	60	24.8
Correction Recommended	0	0.0
Total	242	100



Bus Shelter Ranking Results

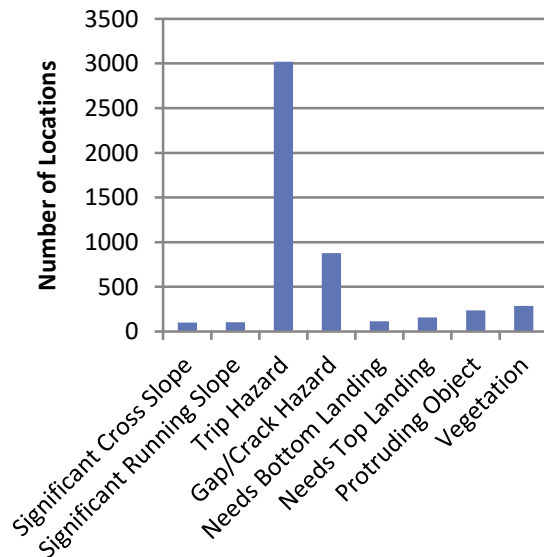
Shelter Ranking	Number of Shelters	Percent of Shelters
Compliant	14	40.0
Substantially Compliant	15	42.9
Correction Recommended	6	17.1
Total	35	100



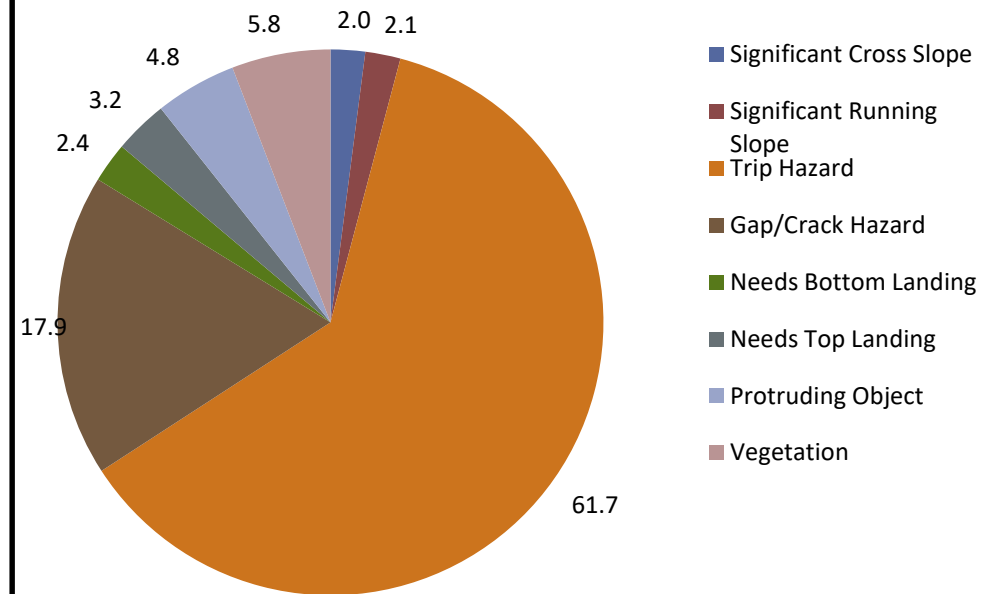
Obstructions Ranking Results

Obstruction Type	Number of Locations	Percent of Locations
Significant Cross Slope	100	2.0
Significant Running Slope	102	2.1
Trip Hazard	3019	61.7
Gap/Crack Hazard	877	17.9
Needs Bottom Landing	116	2.4
Needs Top Landing	156	3.2
Protruding Object	236	4.8
Vegetation	286	5.8
Total	4892	100.0

Obstructions by Number of Locations



Obstructions by Percent of Locations



Year 2019 Summer Inventory Areas

- Sidewalk concerns reported by Citizens (TIM/Email)
- Areas recommended by Disabilities Commission
- Strategic Plan Neighborhoods
 - North
 - East
 - Central



Repair Funding & Responsibility

1. Sidewalk improvements throughout the City completed by Public Works.
2. *Correction Recommended* ranked sidewalk adjacent to City property.
3. *Correction Recommended* ranked sidewalk adjacent to private property.

Repair Funding & Responsibility

Sidewalk Improvements throughout the City completed by Public Works:

- **Annual Sidewalk/Pedways, TAP, CDBG Funds**
 - Sidewalk gap projects
 - Funding starts in year 2021 for Annual Sidewalk/Pedways.
 - TAP and CDGB apply for yearly as funds as funds become available.
 - Continue to follow Sidewalk Master Plan to fill in sidewalk gaps.
- **Curb ramp replacement with asphalt overlay projects**
- **Bus Shelters Funds:**
 - Complete repairs to bus shelter pads.
 - Construct new bus shelter pads as locations are identified.

Repair Funding & Responsibility

Correction Recommended ranked sidewalk adjacent to City property:

First Priority: Repairs on sidewalks ranked as *Correction Recommended* on City properties.

- Departments (Public Works, Parks and Rec, Fire, etc.) fund the improvements on their property.
- Departments will need to budget for repairs.
- Repairs can be coordinated by Public Works using term and supply contractor to insure constructed to meet ADA criteria.

Repair Funding & Responsibility

Correction Recommended ranked sidewalk adjacent to private property:

Property Owners to maintain adjacent sidewalks.

(Code of Ordinances Sections 24-12 and 24-33)

- Public Works: Administers Downtown 50/50 cost share for sidewalk reconstruction.
- Office of Neighborhood Services: Contact property owners about needed repairs for adjacent sidewalk on private property.

Repair Funding & Responsibility

Correction Recommended ranked sidewalk adjacent to private property:

Office of Neighborhood Services: Contact property owners about needed repairs for adjacent sidewalk on private property.

1. Office of Neighborhood Services sends letter to property owner to repair sidewalk.
2. Required to obtain permit from City to complete the work.
3. Difficult to find Contractor to complete the sidewalk repair (ADA knowledge, small quantity of concrete, etc.)

Guidance from Council

Sidewalk repairs adjacent to City property:

- Move forward as presented.

Guidance from Council

Sidewalk repairs adjacent to Private property:

Sidewalk repair: From complaint

Sidewalk repair: From inventory (*Correction Recommended*)

Guidance from Council on how ONS/PW to address the residential code violations.

- Office of Neighborhood Services (ONS) contacts property owners (code violation).
- Property owners may be prosecuted in municipal court for noncompliance.
- Alternate 1: Public Work repairs and tax bills property owner (Code of Ordinances Sections 24-12 and 24-33).
- Alternate 2: Public Works repairs as CIP funding allows.