

Sidewalk Grading Report

City of Washington, GA

Prepared by Tiffany Oden

Table of Contents

Examples of Sidewalk Problems and Issues	p. 3-6
Map of Sidewalk Locations in Washington, GA	p. 7
Map of Sidewalks Broken Up Into Regions for Grading	p. 8
Sidewalk Grading Legend	p. 9
Sidewalk Grading Scale	p. 10
Region 1 Details & Grade	p. 11
Region 2 Details & Grade	p. 12
Region 3 Details & Grade	p. 13-14
Region 4 Details & Grade	p. 15
Region 5 Details & Grade	p. 16
Region 6 Details & Grade	p. 17-18
Regions 7/8 Details & Grades	p. 19
Region 9 Details & Grade	p. 20
Region 10 Details & Grade	p. 21
Region 11 Details & Grade	p. 22-23
Region 12 Details & Grade	p. 24
Region 13 Details & Grade	p. 25-26
Region 14 Details & Grade	p. 27-28
Region 15 Details & Grade	p. 29-30
Region 16 Details & Grade	p. 31-32
Region 17 Details & Grade	p. 33-34
Region 18 Details & Grade	p. 35-36
Region 19 Details & Grade	p. 37
Regions 20/21 Details & Grades	p. 38
Region 22 Details & Grade	p. 39-40
Overall Map of Graded Sidewalk Grades	p. 41
Comparisons of Regions v. Grades	p. 42
Limitations and Resources	p. 43

Examples of Sidewalk Problems & Issues

Faulting (WILL BE CODED ON MAPS AS “A”): can run be minor (as defined in this report as one slab being roughly 2 inches or less in height difference to an adjacent slab), or can be major (2 inches or more in height differences between two adjacent slabs)



Spalling (WILL BE CODED ON MAPS AS “B”): occurs when weather and overuse has caused the smooth surface of the slab to deteriorate



Obstruction (WILL BE CODED ON MAPS AS “C”): overgrown trees/shrubs encroaching on the sidewalk and limiting is walkability



Cracking (WILL BE CODED ON MAPS AS “D”):



****Can be minor such as one hairline crack, or major cracking like the above examples.**

Ponding (WILL BE CODED ON MAPS AS A “E”): occurs when depressions in the sidewalk slabs cause puddling on sidewalks after storms



Cleanliness (WILL BE CODED ON MAPS AS A “F”): caused by excessive debris (left picture) or grassy overgrowth between cracks and slabs (right picture)



Missing slabs (WILL BE CODED ON MAPS AS “G”):

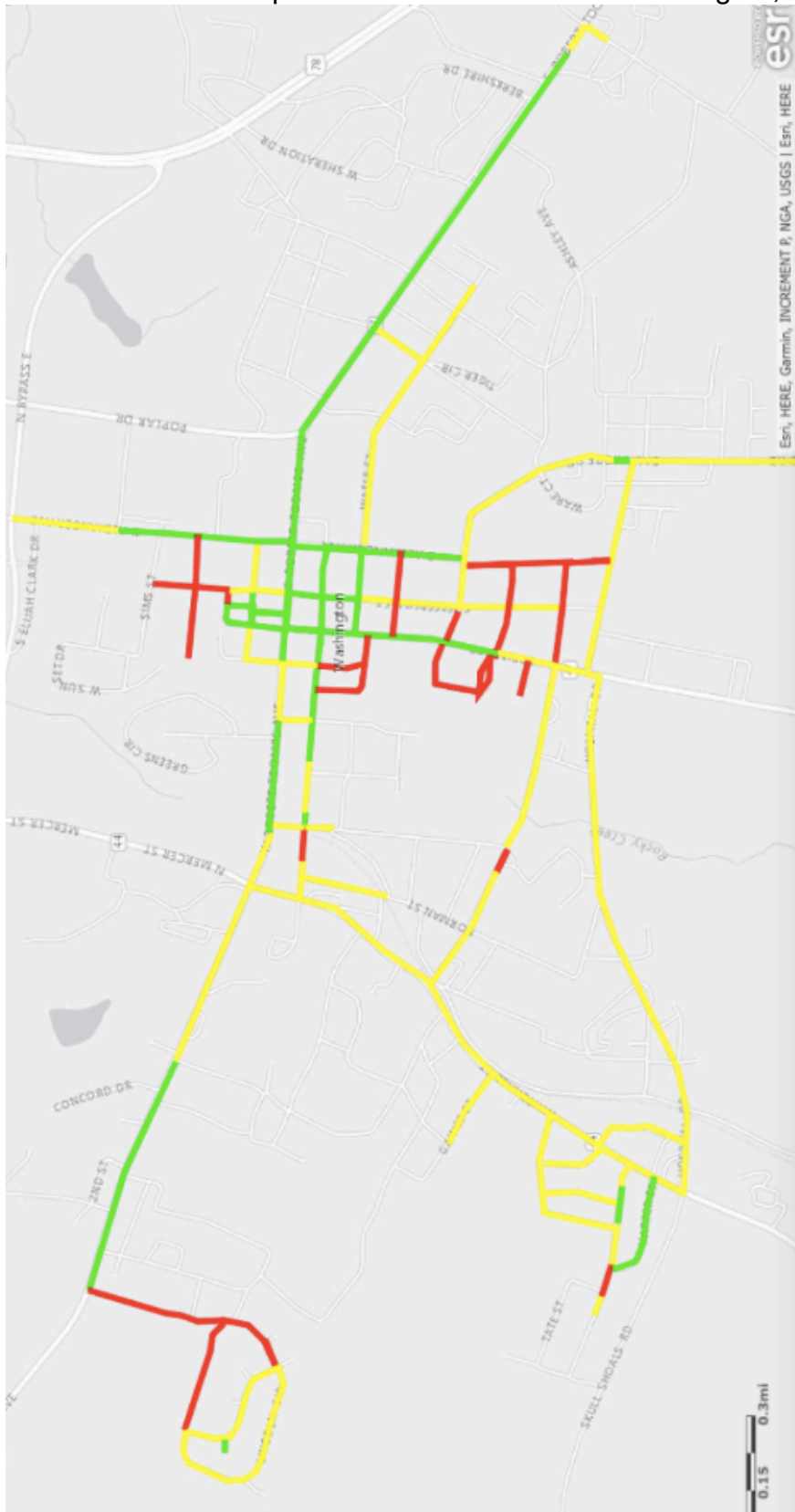


****While the above examples are areas where a full slab is missing, there can also be pieces of the slab missing leaving a partial slab in tact.**

Non-ADA compliant curb endings (WILL BE NOTATED FOR EACH REGION WHERE NON-ADA CURBS FOUND) occurs where there is either no sloped curb cut or a random end to the sidewalk prior to reaching a street where the sidewalk would naturally end



Map of Sidewalk Locations in Washington, GA

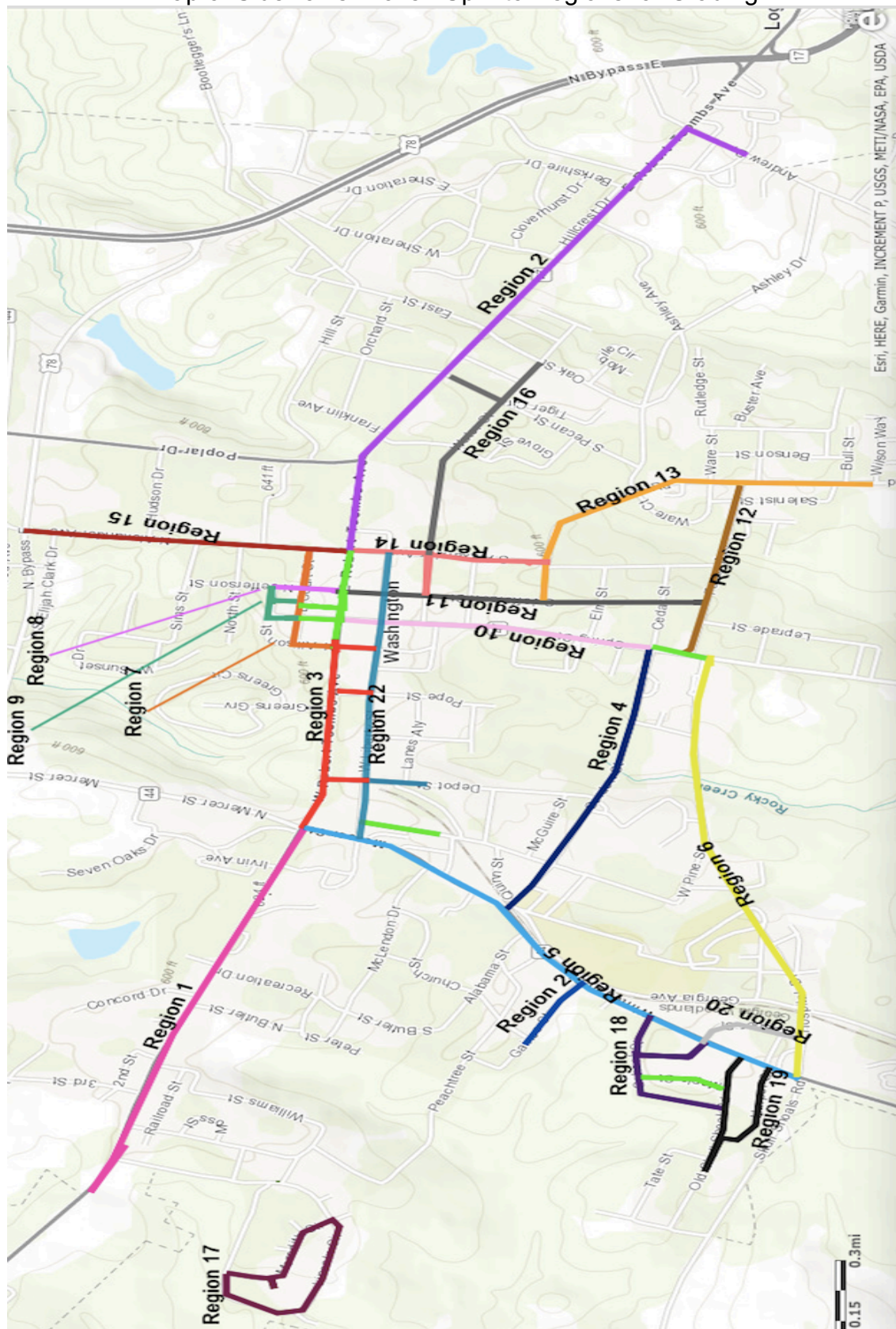
**LEGEND**

RED OR
AREAS NOT
MARKED
WITH COLOR
ON MAP BUT
WITHIN CITY
LIMITS-
AREAS DO
NOT HAVE
SIDEWALKS

YELLOW-
AREAS HAVE
A SIDEWALK
ON ONE SIDE
OF THE
STREET

GREEN-
AREAS HAVE
SIDEWALKS
ON BOTH
SIDES OF THE
STREET

Map of Sidewalks Broken Up Into Regions for Grading



Sidewalk grading legend:

For the purposes of grading, the sidewalks have been broken up into 22 regions. Each region will be graded on the prevalence and severity of issues and given a numerical grade (1-4) indicating the general condition of the sidewalk in that region. This report will detail the general locations of major issues in each region to try to provide further information for those who intend to use this report.

Any region shown to have this **green** color on above regions map was in near perfect shape, and did not require or warrant further discussion as detailed in pages to follow. Therefore, areas with the green color received a 4 for the quality of sidewalk.

The sidewalk grading system will consist of 4 grades, with 4 meaning that the sidewalk is in near perfect condition, and 1 meaning that the sidewalk is in poor condition or that it needs improvement. A further breakdown of sidewalk grades will be provided on the following page.

Major issues with regard to the integrity of the sidewalks

Major issues consist of:

- Sidewalk faulting above 2 inches
- Large, prevalent cracking that covers the majority of the slab of sidewalk
- Large chunks of missing slab or whole missing slab
- Significant ponding (deep depressions in sidewalk)
- Large areas of spalling covering significant amount of sidewalk slab
- Major obstructions to the sidewalk (significantly hindering the walkability of the sidewalk)
- Serious cleanliness/overgrowth issues

Minor issues with regard to the integrity of the sidewalks

Minor issues consist of

- Sidewalk faulting below 2 inches in height difference between slabs
- Few, thin (or hairline) cracks in the pavement slabs or a single crack in the slab that does not significantly ruin the structural integrity of the slab.
- Small missing pieces of sidewalk slab
- Small ponding (small depressions in sidewalk)
- Small areas of spalling
- Minor obstructions (not significantly hindering the walkability of the sidewalk)
- Minor cleanliness issues

Issues to make note of

- Non-ADA compliant curb issues

Sidewalk Grades

Sidewalk grades are based on the severity and prevalence of issues, with respect to the size of the region being graded. That being said, there will be two grading scales, one for small regions being graded and one for large regions.

Small Regions	Large Regions
Region 7	Region 1
Region 8	Region 2
Region 9	Region 3
Region 17	Region 4
Region 18	Region 5
Region 19	Region 6
Region 20	Region 10
Region 21	Region 11
	Region 12
	Region 13
	Region 14
	Region 15
	Region 16
	Region 22

Grading is only based on the prevalence of major issues per region, not minor issues.

Grading Scale

Grade 4- Excellent condition

For large regions- area has 10 or less major problems

For small regions- area has 5 or less major problems

Grade 3- Good condition

For large regions-area has 11-20 major problems

For small regions-area has 6-10 major problems

Grade 2- Satisfactory condition

For large regions- area has 21-30 major problems

For small regions- area has 11-15 major problems

Grade 1- Needs Serious Improvement

For large regions- area has 31 or more major problems

For small regions- area has 16 or more major problems

**Sidewalk Region Being Examined:
Region 1 (Lexington Ave)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area

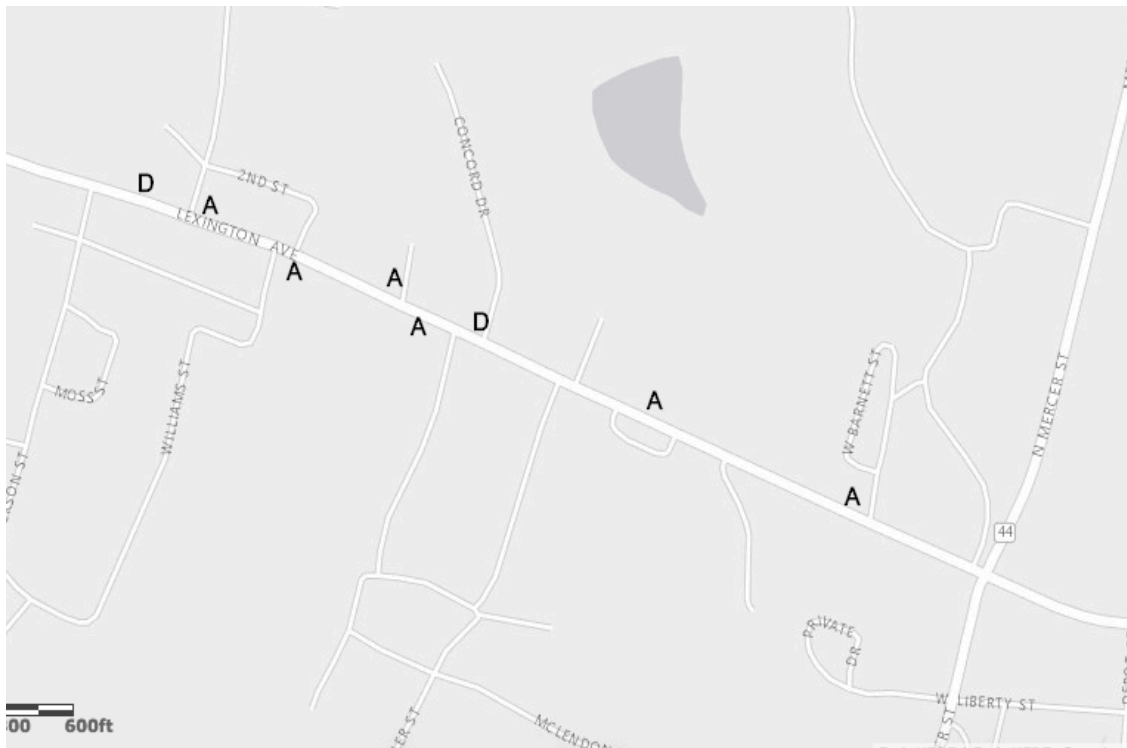
Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	8
Minor Faulting	7
Part of Slab Missing	1
Minor Ponding	1
Minor Obstruction	3
Minor Cleanliness	3

Quantification of major issues seen in the area

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	2
Major Faulting (Coded as "A")	6

****Almost all curbs in the area are Non-ADA compliant**

General locations of above listed major problems:



**Sidewalk Region Being Examined:
Region 2 (E. Robert Toombs)**

OVERALL GRADE: 3

Quantification of Minor Issues in Area

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	27
Minor Faulting	2
Minor Cleanliness	5

Quantification of Major Issues in Area

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	13
Major Faulting (Coded as "A")	1

****At least 6 curb endings in area are Non-ADA compliant**

General locations of above listed major problems:



Sidewalk Region Being Examined:
Region 3 (W. Robert Toombs & small side streets shown on regions map)
OVERALL GRADE: 3

Quantification of minor issues seen in the area

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	5
Minor Faulting	1

Quantification of major issues in the area

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	8
Major Faulting (Coded as "A")	3
Missing Slab (Coded as "G")	1

General locations of above listed major problems:



**One D is colored in red because this area needs immediate attention (shown on next page)



**Sidewalk Region Being Examined:
Region 4 (Gordon Street)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area

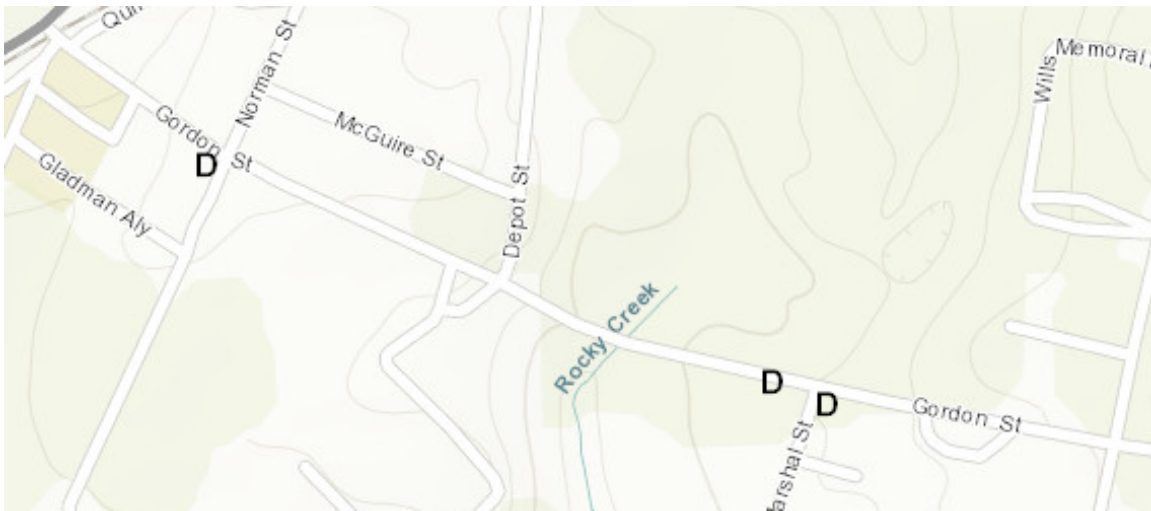
Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	5
Part of slab missing	1

Quantification of major issues seen in area

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	3

****4 areas noted to be have non-ADA compliant curb endings or random sidewalk endings prior to reaching a cross street**

General locations of above listed major problems:



**Sidewalk Region Being Examined:
Region 5 (Whitehall St)**

OVERALL GRADE: 4

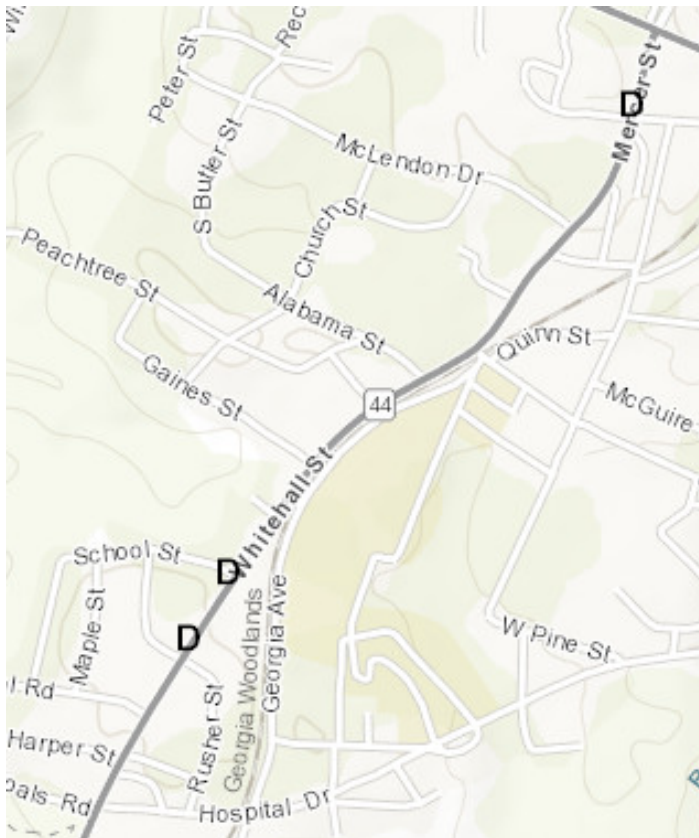
Quantification of minor issues seen in the area

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	22

Quantification of major issues seen in area

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	3

General locations of above listed major problems:



****Area is mostly prevalent with minor cracking, areas of major cracking are not severe enough to warrant immediate attention.**

**Sidewalk Region Being Examined:
Region 6 (Hospital Drive)**

OVERALL GRADE: 3

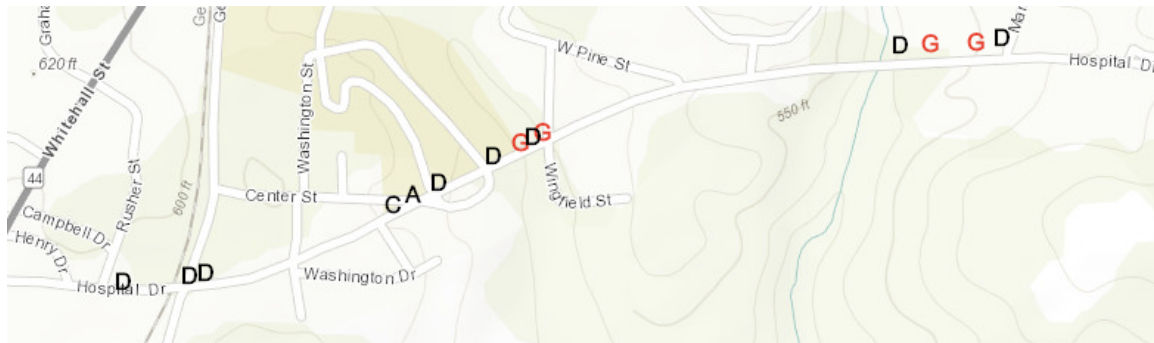
Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	8
Minor Faulting	4
Part of Slab Missing	1
Minor Cleanliness	4

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	8
Major Faulting (Coded as "A")	1
Missing Slab (Coded as "G")	4
Major Obstruction (Coded as "C")	1

General locations of above listed major problems:



****All areas with missing sidewalks are listed in red, because these areas need sidewalk slabs replaced immediately (see pictures on next page)**

****10 areas marked with non-ADA compliant curb endings on Hospital Dr**



**Sidewalk Region Being Examined:
Region 7 (E. Court St)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	4
Minor Faulting	1

**No major problems that need to be notated

**Sidewalk to the side of Wings and Things in great condition, but narrow

**Sidewalk Region Being Examined:
Region 8 (N. Jefferson St)**

Overall Grade: 1

Entirety of N. Jefferson St (sidewalk area) is rife severe with cracking, will require immediate repairs (see below)



**Sidewalk Region Being Examined:
Region 9 (Area around Courthouse)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	2

(See pictures below)



(at back/side of courthouse)



(at front of courthouse)

**Sidewalk Region Being Examined:
Region 10 (Spring St)**

OVERALL GRADE: 3

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	19
Minor Faulting	1
Part of Slab Missing	3
Minor Cleanliness	5

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	6
Major Faulting (Coded as "A")	2
Missing Slab (Coded as "G")	4
Major Spalling (Coded as "B")	1

General locations of above listed major problems:



** At least 3 Curbs in area are non-ADA compliant

**Sidewalk Region Being Examined:
Region 11 (Jefferson St)**

OVERALL GRADE: 3

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	10
Minor Faulting	1
Part of Slab Missing	2

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	6
Major Faulting (Coded as "A")	1
Missing Slab (Coded as "G")	4

**Areas marked in red present serious issues that need to attention

**At least 6 curb endings in area are non-ADA compliant

General locations of above listed major problems:



Issues that are marked in red on map above:



Curb end Jefferson and cedar



Missing slab between 509 and 513 Jefferson



Curb ending?? 423 before chapman



**Sidewalk Region Being Examined:
Region 12 (Faver Ave.)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area:

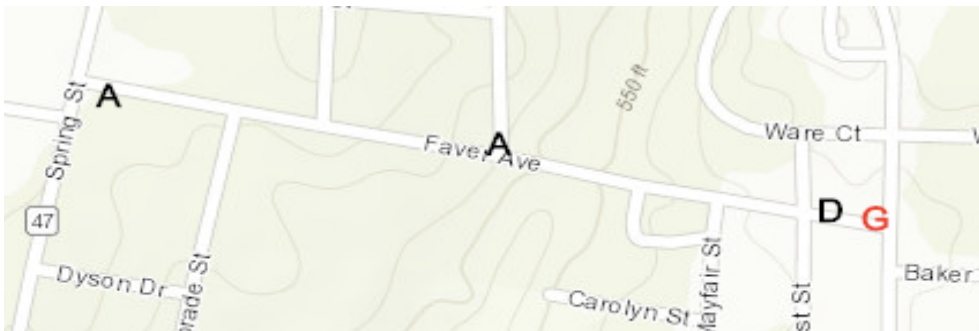
Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	7
Minor Faulting	3

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	1
Major Faulting (Coded as "A")	2
Missing Slab (Coded as "G")	1

**Area marked as "G" is non-ADA compliant curb ending, needs another slab to reach the street (see picture below map)

General locations of above listed major problems:



**Picture of "G" as marked on map

**Sidewalk Region Being Examined:
Region 13 (Baltimore Rd/Chapman)**

OVERALL GRADE: 3

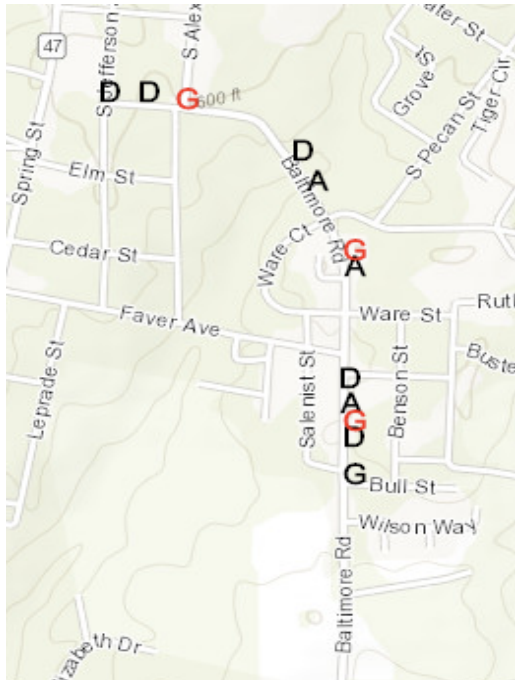
Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	10
Minor Faulting	1
Part of Slab Missing	1
Minor Cleanliness	4

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	5
Major Faulting (Coded as "A")	3
Missing slab (Coded as "G")	4

General locations of above listed major problems:



****Areas listed in red represent areas/slabs that need immediate attention (see next page)**

****At least 9 curb endings non-ADA compliant**



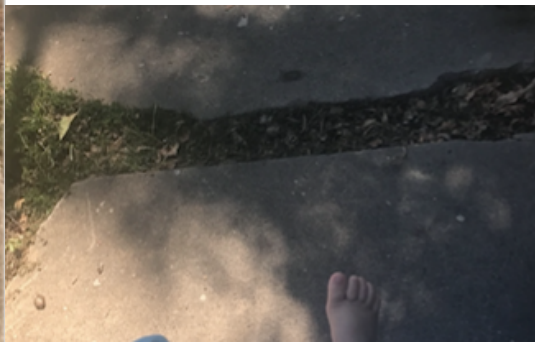
Collapsed slab



Collapsed slab



random sidewalk ending/slab missing



**Sidewalk Region Being Examined:
Region 15 (N. Alexander)**

OVERALL GRADE: 2

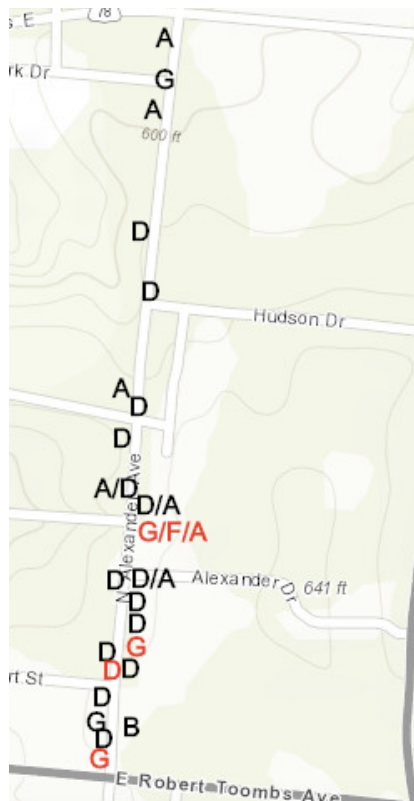
Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	40
Minor Faulting	20

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	15
Major Faulting (Coded as "A")	7
Missing Slab (Coded as "G")	5
Major Spalling (Coded as "B")	1
Major Cleanliness (Coded as "F")	1

General locations of above listed major problems:



****Areas in red require immediate attention (pictures shown on next page)**



199 n Alex



Sidewalk overgrown in front of old elementary



Dangerous curb ending by US post office



Sidewalk completely decaying at intersection of Robert Toombs and N. Alexander

**Sidewalk Region Being Examined:
Region 16 (Water St & Pecan)**

OVERALL GRADE: 3

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	13
Minor Faulting	4
Part of Slab Missing	7
Minor Cleanliness	14

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	3
Major Faulting (Coded as "A")	1
Missing Slab (Coded as "G")	8
Major Spalling (Coded as "B")	2
Major Cleanliness (Coded as "F")	4

General locations of above listed major problems:



**At least 4 areas/curb ends shown to be non-ADA compliant

**Areas marked in red require serious attention and are shown on next page



Spalling/Cracking



No curb ending & severe overgrowth



No curb ending & slab completely caving in

**Sidewalk Region Being Examined:
Region 17 (Lincoln Cir. & Meredith Cir.)**

OVERALL GRADE: 1

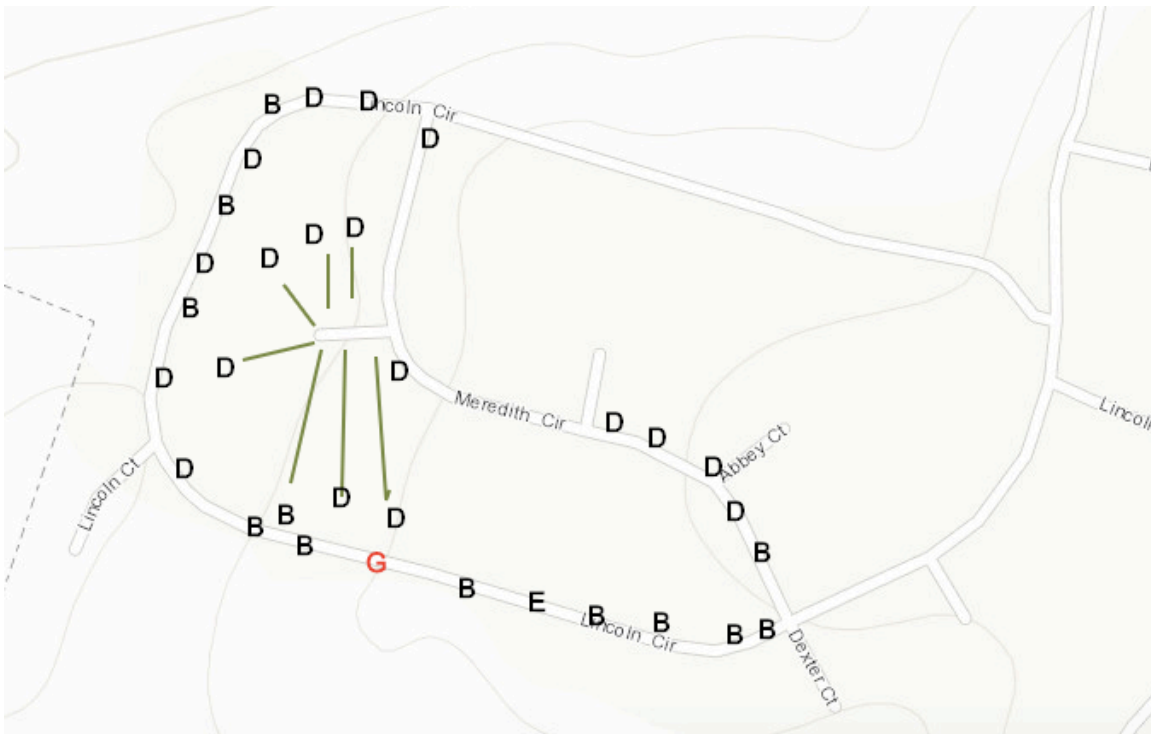
Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	30
Minor Faulting	3
Minor Spalling	3

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	18
Missing Slab (Coded as "G")	1
Major Spalling (Coded as "B")	12
Major Ponding (Coded as "E")	1

General locations of above listed major problems:



**Only one pressing issue notated in red, shown on next page



Missing slab located near home 618B

**Sidewalk Region Being Examined:
Region 18 (School & Graham)**

OVERALL GRADE: 1

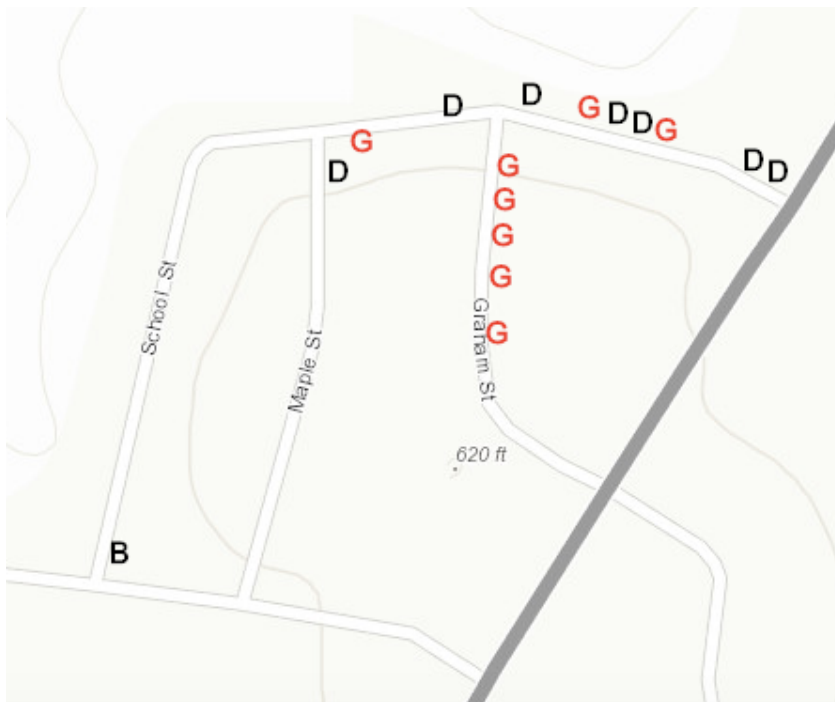
Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	15
Minor Spalling	1
Minor Ponding	1

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	7
Missing Slab (Coded as "G")	8
Major Spalling (Coded as "B")	1

General locations of above listed major problems:



****Serious issues marked in red can be viewed on next page**



Sidewalk Region Being Examined:
Region 19 (Old Skull Shoals Rd/ Harper St)
OVERALL GRADE: 2

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	35
Minor Faulting	3
Minor Spalling	3
Minor Ponding	4
Minor Cleanliness	2

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	4
Major Spalling (Coded as "B")	4
Major Ponding (Coded as "E")	2
Major Cleanliness (Coded as "F")	4

General locations of above listed major problems:



**Sidewalk Region Being Examined:
Region 20 (Rusher St)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	8

No major problems in the area

**Sidewalk Region Being Examined:
Region 21 (Gaines St)**

OVERALL GRADE: 4

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	4
Minor Spalling	1

Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Ponding (Coded as "E")	1
Major Cleanliness (Coded as "F")	4

General locations of above listed major problems:



**Sidewalk Region Being Examined:
Region 22 (Liberty St)**

OVERALL GRADE: 1

Quantification of minor issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Minor Cracking	56
Minor Faulting	9
Part of Slab Missing	9
Minor Spalling	4
Minor Cleanliness	24

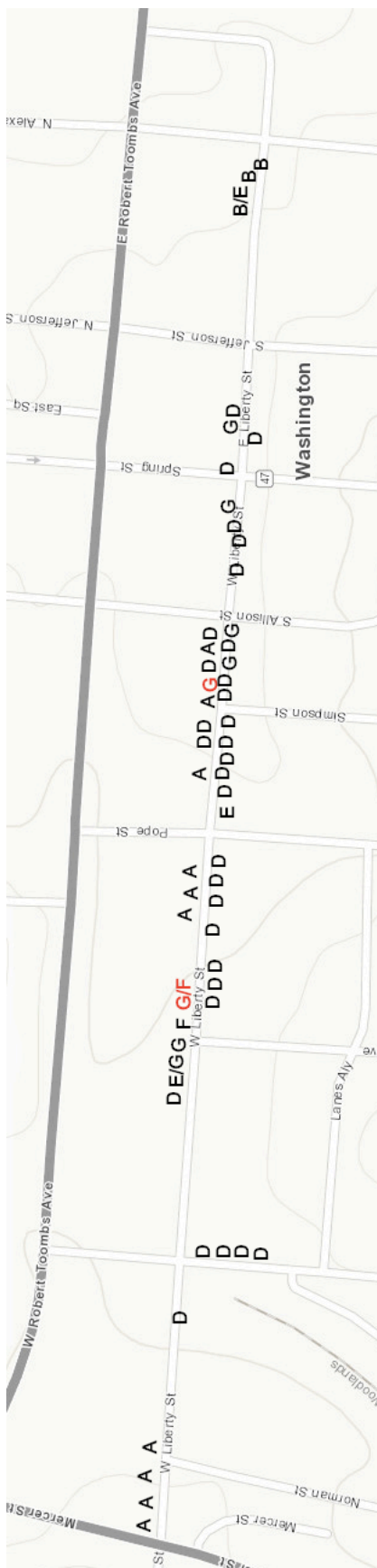
Quantification of major issues seen in the area:

Problem	Number of Areas Observed with Problem in Region Examined
Major Cracking (Coded as "D")	31
Major Faulting (Coded as "A")	10
Slab Missing (Coded as "G")	8
Major Spalling (Coded as "B")	3
Major Ponding (Coded as "E")	3
Major Cleanliness (Coded as "F")	2

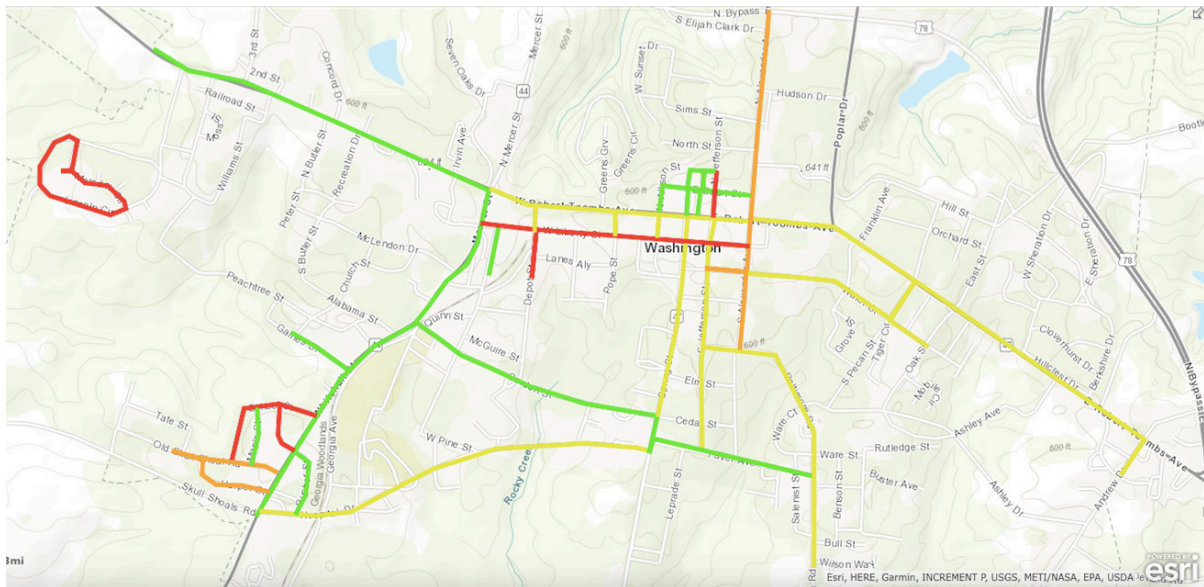
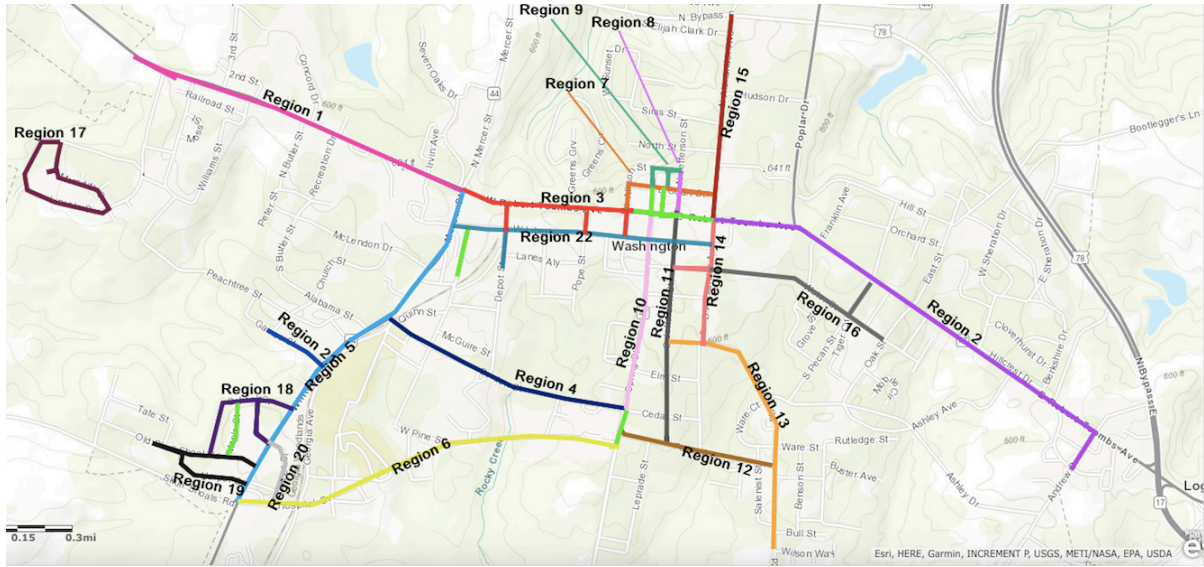
MAP SHOWN ON FOLLOWING PAGE

**Serious issues marked in red will be shown to the right of the map on page below

**At least 10 curbs in area shown to be non-ADA compliant



Comparisons of Regions v. Grades



Limitations and Resources

Limitations:

- Each individual map that is coded with the issues in that area is not drawn to scale. Letters indicating that an issue is present in a particular area of the region are showing a general estimate of where the problem is. Time and resources were unavailable to draw specific issues exactly to scale on maps in order to represent their exact location in reality.
- Large regions and small regions have different grading scales due to the different sizes of these regions. However, within these regions, the sizes are not standardized. In other words, some regions in the “large region” category for grading are much larger in size than other regions placed in the same category. This may slightly distort the grading system.
- What one sidewalk grader may consider a major issue, I may have considered a minor issue and vice-versa. Thus, deciphering between major and minor issues may be subjective to the grader’s perception.

Resources:

- The primary resource used to create maps was ArcGIS. If more information is needed, or if the user of this report would like to view maps on ArcGIS (which may be clearer than presented in this report), please contact Tiffany Oden at to01131@georgiasouthern.edu.