

# Sidewalk Grading Manual for Washington, GA

Tiffany Oden

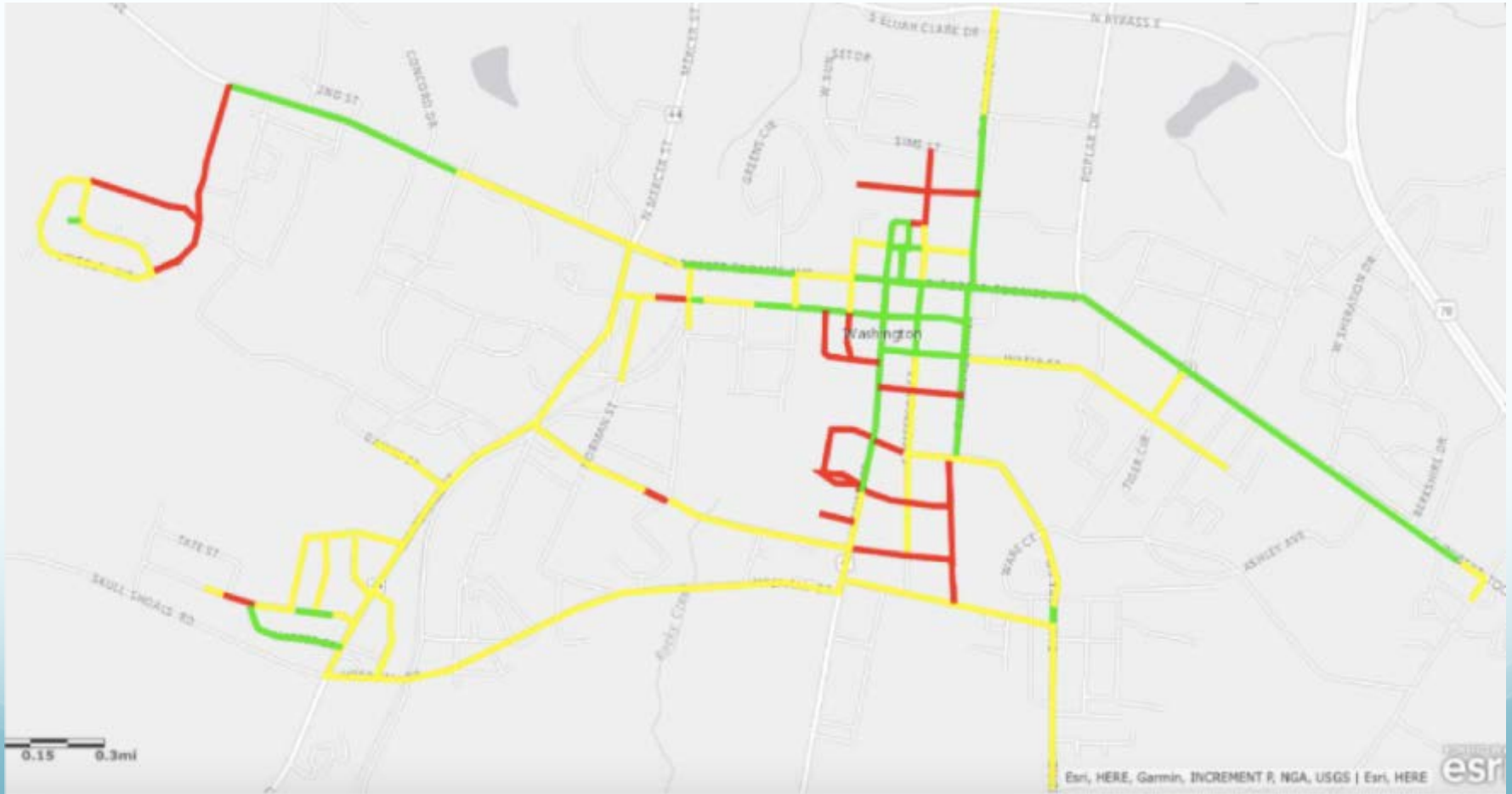
# Washington- History & Background

- Wilkes County
- 4,134 in population (2010 census)
- 7.8 sq mi.
- Why do this project?

# 3 steps

- Mapping/Charting Sidewalks
- Gathering data on sidewalks and their quality
- Creation of Grading Manual

# Map of Sidewalks in Washington, GA



# Faulting



# Spalling



# Obstruction



# Cracking





# Ponding



# Cleanliness



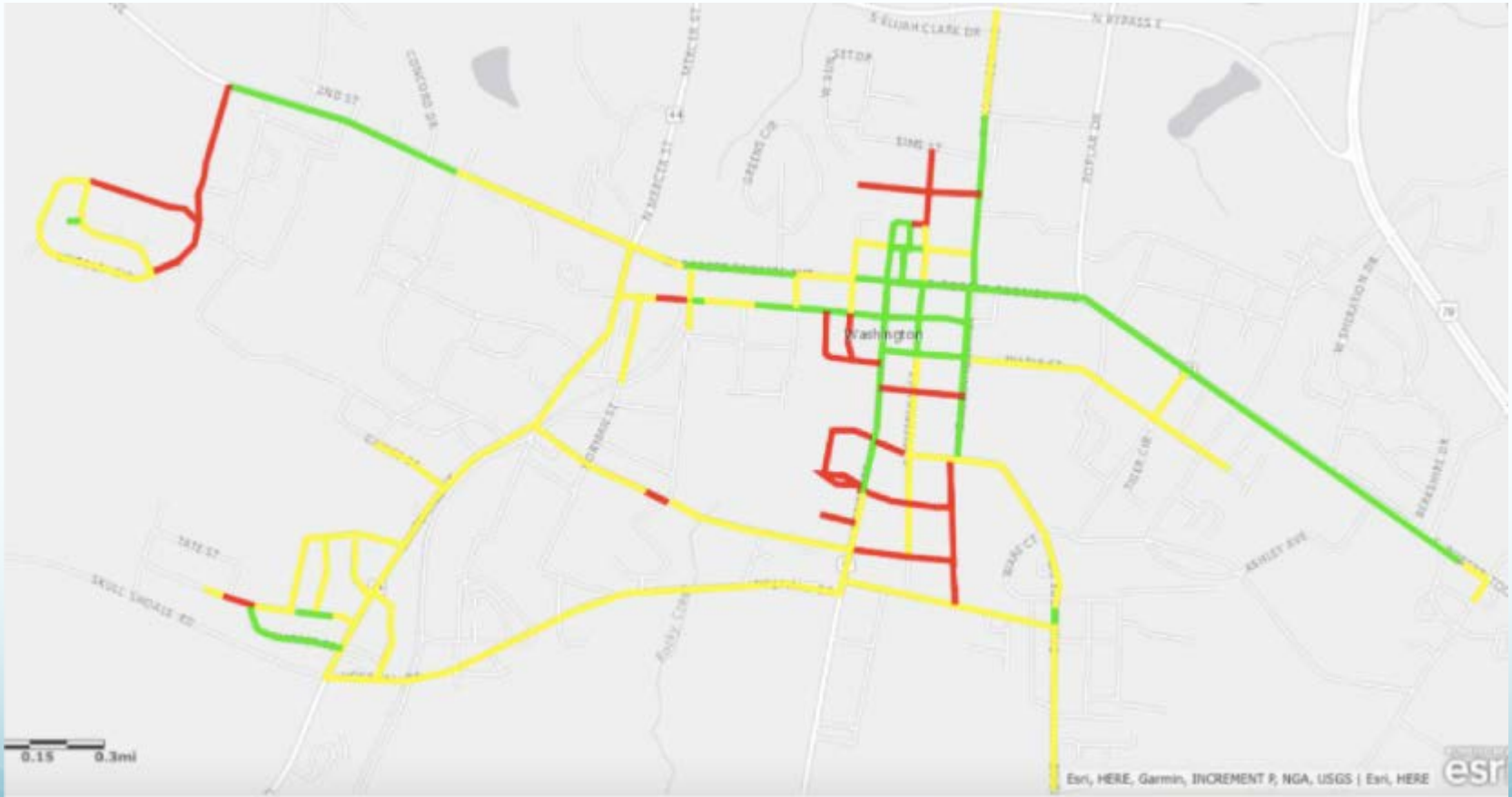
# Missing Slabs



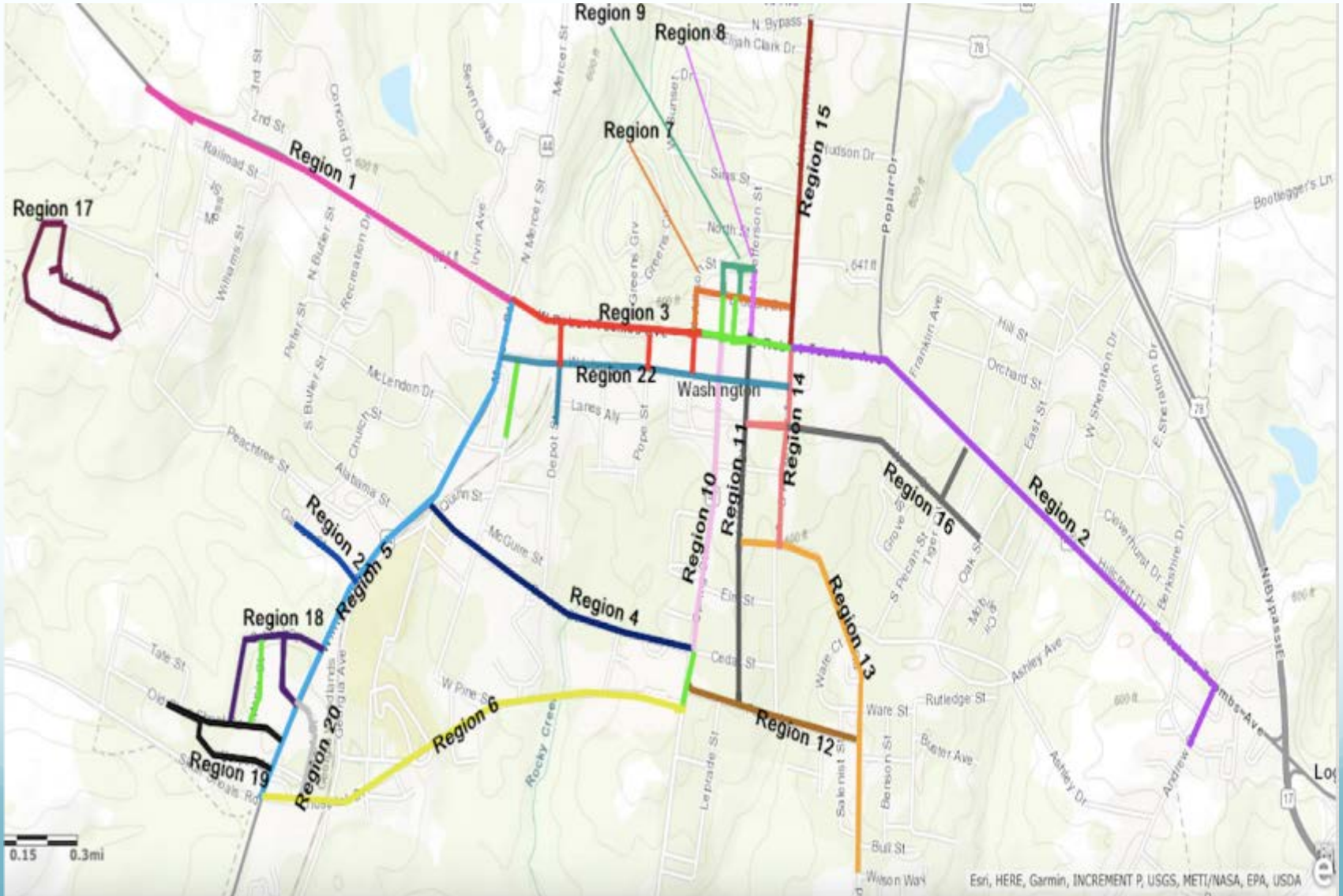
# Non-ADA Curb Endings



# Map of Sidewalks



# Map of Regions



# Grading Scale



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 Scale

## 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

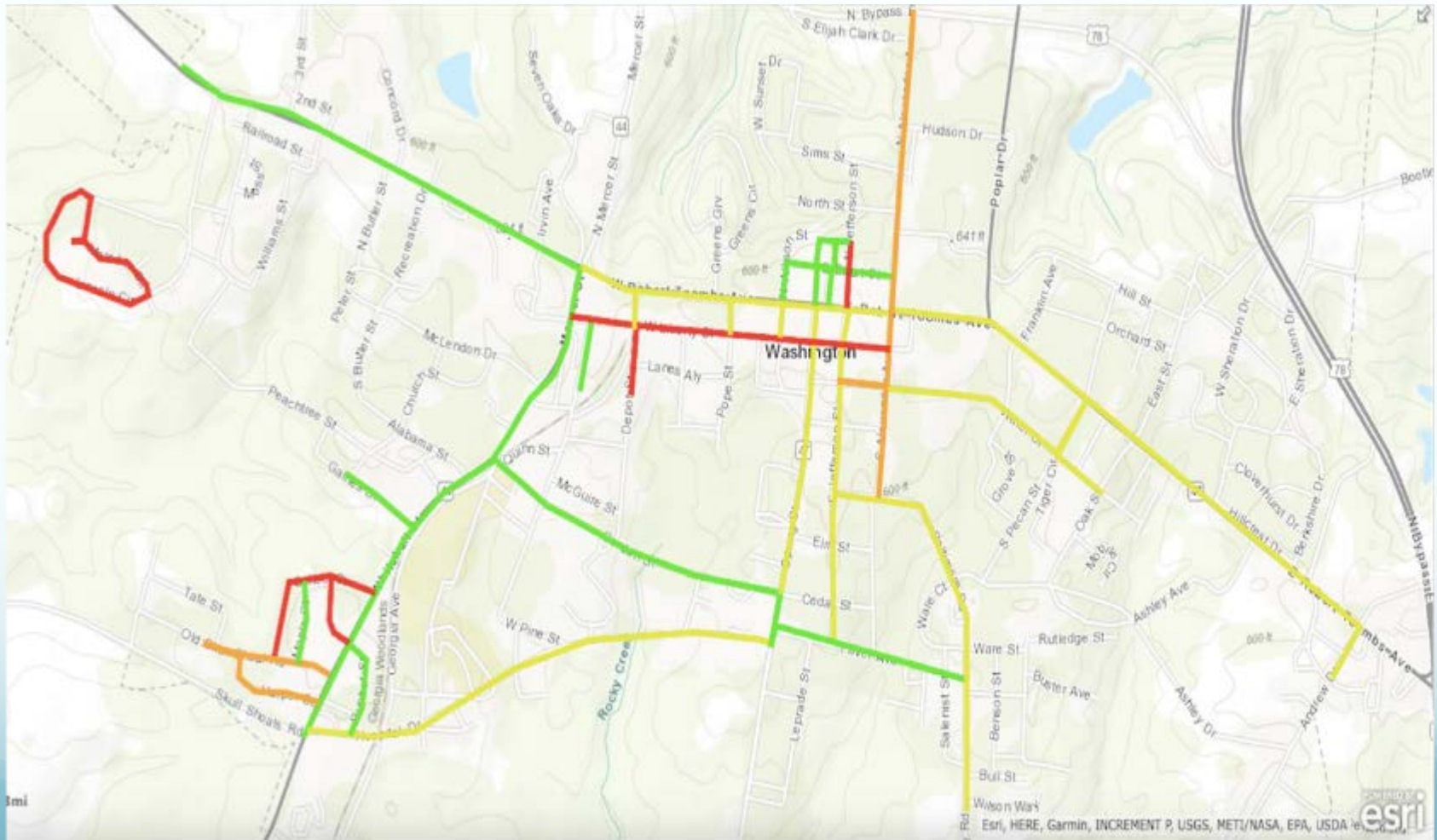
### **Grade 1- Needs Serious Improvement**

For large regions- area has 31 or more major problems

For small regions- area has 16 or more major problems



# Map of Grades



# Grading Manual

## 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
Pieces of slab missing	1
Ponding	1
Obstruction	3
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:

# Grading Manual



# Resources & Limitations

- ArcGIS
- Limitation 1) Not drawn to scale
- Limitation 2) Lack of standardization between regions within same size category
- Limitation 3) Subjectivity in grading

# THANK YOU!

- Any questions?