# Priority Pedestrian Improvement Projects

Public Works Committee Meeting

September 14, 2021



### The List!

• High Risk Locations

High Demand

• Public Request

Public Works Committee Proposed Priority Intersection Improvements

ID	Street 1	Street 2	Improvement Type	Ward
2	25th Street	Glenn Avenue Main Street	Pedestrian Signals and Crosswalks	NE S/SE
3	Clemmonsville Road Clemmonsville Road	Ebert Road	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	S/SE
4	Healy Drive	Stratford Road	Sidewalk and/or Transit Improvements	SW
5	New Walkertown Road	Jackson Street	Pedestrian Signals and Crosswalks	E
6	New Walkertown Road	Dellabrook Drive	Pedestrian Signals and Crosswalks	E
7	Old Lexington Road	Waughtown Street	Pedestrian Signals and Crosswalks	E/SE
8	Silas Creek Parkway	Hawthorne Road	Pedestrian Signals and Crosswalks	SW
9	3rd Street	Patterson Avenue	Pedestrian Signals and Crosswalks	E SW
11	Bethesda Road Buena Vista	Hawthorne Road Reynolda Road	Pedestrian Signals and Crosswalks Curb Adjustments	NW
12	Country Club Road	Plymouth Avenue	Uncontrolled Intersection Crossing	W
13	Hutton Street	Montgomery Street	Intersection Redesign	S
14	Reynolda Road	Graylyn/Reynolda Village Driveway	Pedestrian Crossing Improvements	W/NW
15	Reynolda Road	Northwest Boulevard	Pedestrian Signals and Crosswalks	NW
16	University Parkway	Long Drive	Pedestrian Signals and Crosswalks	N
17	Reynolda Road	Robinhood Road	Curb Adjustments	NW
18	4th Street	West End Boulevard	Uncontrolled Intersection Crossing	NW
19 20	Broad Street Miller Street	Salem Avenue Silas Creek Parkway	Traffic/Ped Signals and Crosswalks Pedestrian Signals and Crosswalks	S SW
21	Melrose Street	Hawthorne Road	Uncontrolled Intersection Crossing	SW
22	Academy Street	Hawthorne Road	Pedestrian Signals and Crosswalks	SW
23	12th Street	Cleveland Avenue	Pedestrian Signals and Crosswalks	E
24	14th Street	Cleveland Avenue	Pedestrian Signals and Crosswalks	E/NE
25	1st Street	Business 40 Ramp	Pedestrian Signals and Crosswalks	NW
26	1st Street	Marshall Street	Pedestrian Signals and Crosswalks	NW
27	1st Street	Northwest Boulevard	Pedestrian Signals and Crosswalks	NW
28	1st Street	Liberty Street	Pedestrian Signals and Crosswalks	5
29 30	21st Street 25th Street	Cleveland Avenue Patterson Avenue	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	NE N/NE
31	2nd Street	Spruce Street	Pedestrian Signals and Crosswalks	NW
32	30th Street	Patterson Avenue	Pedestrian Signals and Crosswalks	N/NE
33	30th Street	Glenn Avenue	Pedestrian Signals and Crosswalks	NE
34	3rd Street	Martin Luther King, Jr. Drive	Pedestrian Signals and Crosswalks	E
35	5th Street	Cameron Avenue	Pedestrian Signals and Crosswalks	E
36	5th Street	Summit Street	Pedestrian Signals and Crosswalks	NW
37	Academy Street	Broad Street	Pedestrian Signals and Crosswalks	S
38	Academy Street	Old Salem Road	Pedestrian Signals and Crosswalks	S
40	Akron Drive Akron Drive	Ogburn Avenue US 52 Ramp	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	NE NE
41	Big House Gaines Drive	New Walkertown Road	Pedestrian Crossing Improvements	F
42	Broad Street	Northwest Boulevard / Thurman Stree	Pedestrian Signals and Crosswalks	N/NW
43	Broad Street	Wachovia Street	Pedestrian Signals and Crosswalks	S
44	Brookstown Avenue	Burke Street	Pedestrian Signals and Crosswalks	NW
45	Buchanan Street	Silas Creek Parkway	Pedestrian Signals and Crosswalks	S
46	Business 40	Main Street	Uncontrolled Intersection Crossing	S
47	Clemmonsville Road	Konnoak Drive	Pedestrian Signals and Crosswalks	S/SE
48	Clemmonsville Road Clemmonsville Road	Sprague Street	Pedestrian Signals and Crosswalks	SE SE
50	Cloverdale Avenue	US 52 Ramps Medical Center Boulevard	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	SW
51	Cloverdale Avenue	Miller Street	Pedestrian Signals and Crosswalks	SW
52	Dartmouth Road	Whitaker ES Driveway	Uncontrolled Intersection Crossing	W
53	Forsyth Hospital Driveway	Silas Creek Parkway	Pedestrian Signals and Crosswalks	SW
54	Hawthorne Road	Queen Street	Pedestrian Signals and Crosswalks	SW
55	Hawthorne Road	Parking Deck Crosswalk	Pedestrian Signals and Crosswalks	SW
56	Hawthorne Road	Eden Terrace Street	Uncontrolled Intersection Crossing	SW E
57 58	Highland Avenue Indiana Avenue	Carl Russell Avenue Deshler Street	Pedestrian Signals and Crosswalks Uncontrolled Intersection Crossing	E N
59	Ivy Avenue	Northwest Boulevard	Pedestrian Signals and Crosswalks	E/NE
60	Kirklees Road	Currier Court	Uncontrolled Intersection Crossing	W
61	Knollwood Street	Thruway Driveway	Pedestrian Signals and Crosswalks	SW
62	Liberty Street/Main Street	Martin Luther King, Jr. Drive	Pedestrian Signals and Crosswalks	Ε
63	Martin Luther King, Jr. Drive	Waughtown Street	Pedestrian Signals and Crosswalks	SE
64	Medical Center Boulevard	Driveway	Uncontrolled Intersection Crossing	SW
65	Miller Street	Publix Driveway	Pedestrian Signals and Crosswalks	W/NW
66	Miller Street	Queen Street	Pedestrian Signals and Crosswalks	SW
67	Motor Road	Old Rural Hall Road	Pedestrian Signals and Crosswalks	NE
68	Murray Road Old Lexington Road	Shattalon Drive Sprague Street	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	N SE
70	Old Town Drive	Reynolda Road	Pedestrian Signals and Crosswalks Pedestrian Signals and Crosswalks	NW
71	Patterson Avenue	Glenn Avenue	Pedestrian Signals and Crosswalks	NE
72	Peters Creek Parkway	Brewer Road	Pedestrian Signals and Crosswalks	S

May 21, 2019

## The Projects!

Project Name	Status		
Hutton/Montgomery Safety Improvements	COMPLETE		
London Lane Raised Table	COMPLETE		
Jonestown Rd Lane Shift Markings	COMPLETE		
Broad/Salem Traffic Signal	COMPLETE		
Sprague/Glendale Traffic Signal	COMPLETE		
3rd Street and Patterson-Pedestrian Improvements	COMPLETE		
Cleveland Ave Bicycle shared Lane Markings/Signs	COMPLETE		
5th Street/Old Greensboro Bike Lane Markings/Signs	COMPLETE		
Liberty Street Bicycle Shared Lane Markings	COMPLETE		
4th Street Safety Islands	COMPLETE		
4th Street Safety Islands-markings	COMPLETE		
Miller St/Silas Creek Pkwy Ped Sig and Crosswalks	COMPLETE		Complete
Academy Street Bicylce Lanes/Signs	COMPLETE		Under Construction
Trade Street Bicycle Lane Markings/Signs	COMPLETE		Next On-Call Markings Projects
Melrose St/Hawthorne Rd Uncontrolled Intersection Crossing	COMPLETE		Next On-Call Concrete Projects
Stratford Rd Bicycle shared lane markings/signs	COMPLETE	Red Text	PED Signal Improvements
Buena Vista/Reynolda Rd Curb Adjustments	Awaiting signed contracts from contractor		
25th St/Glenn Ave Ped Sig and Crosswalks	Signal Work Complete		
Clemmonsville Rd/Main St Ped Sig and Crosswalks	Signal Work Complete		
Reynolda Rd/Northwest Blvd Ped Sig and Crosswalk	Signal Work Complete		
Old Lexington Rd/Waughtown St Ped Sig and Crosswalks	Pavement Markings Complete/Concrete Complete/Signal Work Scheduled		
Clemmonsville Rd/Ebert Rd Ped Sig and Crosswalks/Sidewalks	Design Complete		
New Walkertown Rd/Jackson St Ped Sig and Crosswalks	Design Complete		
New Walkertown Rd/Dellabrook Dr Ped Sig and Crosswalks	Design Complete		
Silas Creek Pkwy/Hawthorne Rd Ped Sig and Crosswalks/Sidewalks	Design Complete		
University Pkwy/Long Dr Ped Sig and Crosswalk	Design Complete		
Bethesda Rd/Hawthorne Rd Ped Sig and Crosswalks	Design Complete		
Northwest Blvd/14th Bike lane Markings	Design Complete		
Hawthorne Rd Bike Lane markings/Signs	Design Complete		
Academy St/Hawthorne Rd Ped Sig and Crosswalks	To be Done by On-Call Signal Contractor		
Reynolda Rd/Robinhood Rd Curb Adjustments	To be Done by On-Call Concrete Contractor		
Healy Dr/Stratford Rd Sidewalk and/or Transit Improvements	To be done by On-Call Contractor		
Country Club Rd/Plymouth Ave Uncontrolled Intersection Crossing	To be done by On-Call Contractor		

## The Comparison!

**Public Works Committee** 

#### **Proposed Priority Intersection Improvements**

May 21, 2019

	ID	Street 1	Street 2	Improvement Type	Ward
	1	25th Street	Glenn Avenue	Pedestrian Signals and Crosswalks	NE
[	2	Clemmonsville Road	Main Street	Pedestrian Signals and Crosswalks	S/SE
[	3	Clemmonsville Road	Ebert Road	Pedestrian Signals and Crosswalks	S
•[	4	Healy Drive	Stratford Road	Sidewalk and/or Transit Improvements	SW
	5	New Walkertown Road	Jackson Street	Pedestrian Signals and Crosswalks	E
	6	New Walkertown Road	Dellabrook Drive	Pedestrian Signals and Crosswalks	E
	7	Old Lexington Road	Waughtown Street	Pedestrian Signals and Crosswalks	E/SE
	8	Silas Creek Parkway	Hawthorne Road	Pedestrian Signals and Crosswalks	SW
[	9	3rd Street	Patterson Avenue	Pedestrian Signals and Crosswalks	E
	10	Bethesda Road	Hawthorne Road	Pedestrian Signals and Crosswalks	SW
	11	Buena Vista	Reynolda Road	Curb Adjustments	NW
	12	Country Club Road	Plymouth Avenue	Uncontrolled Intersection Crossing	W
•[	13	Hutton Street	Montgomery Street	Intersection Redesign	S
ſ	14	Reynolda Road	Graylyn/Reynolda Village Driveway	Pedestrian Crossing Improvements	W/NW
ſ	15	Reynolda Road	Northwest Boulevard	Pedestrian Signals and Crosswalks	NW
•[	16	University Parkway	Long Drive	Pedestrian Signals and Crosswalks	N
	17	Reynolda Road	Robinhood Road	Curb Adjustments	NW
	18	4th Street	West End Boulevard	Uncontrolled Intersection Crossing	NW
•	19	Broad Street	Salem Avenue	Traffic/Ped Signals and Crosswalks	S
	20	Miller Street	Silas Creek Parkway	Pedestrian Signals and Crosswalks	SW
	21	Melrose Street	Hawthorne Road	Uncontrolled Intersection Crossing	SW
	22	Academy Street	Hawthorne Road	Pedestrian Signals and Crosswalks	SW

	Project Name			
	Hutton/Montgomery Safety Improvements			
	London Lane Raised Table			
	Jonestown Rd Lane Shift Markings			
	Broad/Salem Traffic Signal			
	Sprague/Glendale Traffic Signal			
	3rd Street and Patterson-Pedestrian Improvements			
	Cleveland Ave Bicycle shared Lane Markings/Signs			
	5th Street/Old Greensboro Bike Lane Markings/Signs			
	Liberty Street Bicycle Shared Lane Markings			
	4th Street Safety Islands			
	4th Street Safety Islands-markings			
	Miller St/Silas Creek Pkwy Ped Sig and Crosswalks			
	Academy Street Bicylce Lanes/Signs			
	Trade Street Bicycle Lane Markings/Signs			
	Melrose St/Hawthorne Rd Uncontrolled Intersection Crossing			
	Stratford Rd Bicycle shared lane markings/signs			
	Buena Vista/Reynolda Rd Curb Adjustments			
	25th St/Glenn Ave Ped Sig and Crosswalks			
	Clemmonsville Rd/Main St Ped Sig and Crosswalks			
	Reynolda Rd/Northwest Blvd Ped Sig and Crosswalk			
	Old Lexington Rd/Waughtown St Ped Sig and Crosswalks			
1	Clemmonsville Rd/Ebert Rd Ped Sig and Crosswalks/Sidewalks			
	New Walkertown Rd/Jackson St Ped Sig and Crosswalks			
1	New Walkertown Rd/Dellabrook Dr Ped Sig and Crosswalks			
1	Silas Creek Pkwy/Hawthorne Rd Ped Sig and Crosswalks/Sidewalks			
	University Pkwy/Long Dr Ped Sig and Crosswalk			
1	Bethesda Rd/Hawthorne Rd Ped Sig and Crosswalks			
	Northwest Blvd/14th Bike lane Markings			
	Hawthorne Rd Bike Lane markings/Signs			
	Academy St/Hawthorne Rd Ped Sig and Crosswalks			
1	Reynolda Rd/Robinhood Rd Curb Adjustments			
	Healy Dr/Stratford Rd Sidewalk and/or Transit Improvements			
	Country Club Rd/Plymouth Ave Uncontrolled Intersection Crossing			
-				

## The Money!

- 2019 LOBS
- \$2,000,000

Priority#	Program	Code	Project Name	Ward	Constr. Estimate	Design Budget Estimate	Total Budget Estimate	Actual Expe	nditures
1	44070		Hutton/Montgomery Safety Improvements	S	\$ 45,000.00	\$ -	\$ 45,000.00		50,521.49
2	44070	02	London Lane Raised Table	S	\$ 45,000.00	\$ -	\$ 45,000.00	\$	32,311.00
3	44070	09	Jonestown Rd Lane Shift Markings	SW	\$ 30,000.00		\$ 30,000.00		10,274.45
4	44070	04	Broad/Salem Traffic Signal	S	\$ 80,500.00	\$ -	\$ 80,500.00	\$	71,722.00
5	44070	05	Sprague/Glendale Traffic Signal	S	\$ 75,000.00	\$ -	\$ 75,000.00	\$	56,887.50
	Design	Const.						Design	Const.
6		440710	3rd Street and Patterson-Pedestrian Improvements	E	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	\$ 33,000.00
7		541411	Cleveland Ave Bicycle shared Lane Markings/Signs	E/NW	\$ 40,000.00	\$ -	\$ 40,000.00		\$ 38,740.00
8		541412	5th Street/Old Greensboro Bike Lane Markings/Signs	E/NE	\$ 78,000.00	\$ -	\$ 78,000.00		\$ 74,088.00
9		541413	Liberty Street Bicycle Shared Lane Markings	E/NE	\$ 15,000.00	\$ -	\$ 15,000.00		\$ 12,000.00
10		440707	4th Street Safety Islands	NW	\$ 85,000.00	\$ -	\$ 85,000.00	\$ -	\$ 43,794.77
		440709	4th Street Safety Islands-markings	NW	\$ 6,000.00		\$ 6,000.00		\$ 5,160.00
11		440708	Miller St/Silas Creek Pkwy Ped Sig and Crosswalks	SW	\$ 30,000.00	\$ -	\$ 30,000.00	\$ -	\$ 32,424.41
12		541414	Academy Street Bicylce Lanes/Signs	S/SW	\$ 43,000.00	\$ -	\$ 43,000.00	\$ -	\$ 40,618.80
13		541415	Trade Street Bicycle Lane Markings/Signs	N/NE/E	\$ 24,000.00	\$ -	\$ 24,000.00	\$ -	\$ 23,100.00
14			Melrose St/Hawthorne Rd Uncontrolled Intersection Crossing	SW	\$ 85,000.00	\$ -	\$ 85,000.00	\$ -	\$ 18,780.50
15			Stratford Rd Bicycle shared lane markings/signs	NW/W	\$ 23,000.00	\$ -	\$ 23,000.00	\$ -	\$ 22,200.00
16			Buena Vista/Reynolda Rd Curb Adjustments	NW	\$ 80,000.00	\$	\$ 80,000.00	\$ -	
17	440706		25th St/Glenn Ave Ped Sig and Crosswalks	NE	\$ 20,000.00	\$ 10,000.00	\$ 30,000.00	\$ 10,972.45	\$ 27,447.67
18	440706		Clemmonsville Rd/Main St Ped Sig and Crosswalks	S/SE	\$ 30,000.00	\$ 10,000.00	\$ 40,000.00	\$ 10,972.45	\$ 27,962.62
19	440706		Reynolda Rd/Northwest Blvd Ped Sig and Crosswalk	NW	\$ 25,000.00	\$ 18,000.00	\$ 43,000.00	\$ 10,972.45	\$ 83,152.59
20	440706		Old Lexington Rd/Waughtown St Ped Sig and Crosswalks	E/SE	\$ 35,000.00	\$ 10,000.00	\$ 45,000.00	\$ 10,972.45	\$ 28,728.90
21	440706		Clemmonsville Rd/Ebert Rd Ped Sig and Crosswalks/Sidewalks	S	\$ 50,000.00	\$ 10,000.00	\$ 60,000.00	\$ 10,972.45	
22	440706		New Walkertown Rd/Jackson St Ped Sig and Crosswalks	E	\$ 35,000.00	\$ 10,000.00	\$ 45,000.00	\$ 10,972.45	
23	440706		New Walkertown Rd/Dellabrook Dr Ped Sig and Crosswalks	E	\$ 40,000.00	\$ 10,000.00	\$ 50,000.00	\$ 10,972.45	
24	440706		Silas Creek Pkwy/Hawthorne Rd Ped Sig and Crosswalks/Sidewalks	SW	\$ 95,000.00	\$ 20,000.00	\$ 115,000.00	\$ 10,972.45	
25	440706		University Pkwy/Long Dr Ped Sig and Crosswalk	N	\$ 115,000.00	\$ 25,000.00	\$ 140,000.00	\$ 10,972.45	
26	440706		Bethesda Rd/Hawthorne Rd Ped Sig and Crosswalks	SW	\$ 100,000.00	\$ 20,000.00	\$ 120,000.00		
27			Northwest Blvd/14th Bike lane Markings	NW/N/NE/E	\$ 79,000.00	\$ -	\$ 79,000.00	\$ -	
28			Hawthorne Rd Bike Lane Markings/Signs	SW	\$ 46,000.00	\$ -	\$ 46,000.00		
29			Academy St/Hawthorne Rd Ped Sig and Crosswalks	SW	\$ 25,000.00		\$ 25,000.00	\$ -	
30			Reynolda Rd/Robinhood Rd Curb Adjustments	NW	\$ 90,000.00	\$ 18,000.00	\$ 108,000.00	\$ -	
31			Healy Dr/Stratford Rd Sidewalk and/or Transit Improvements	SW	\$ 90,000.00		\$ 135,000.00		
32			Country Club Rd/Plymouth Ave Uncontrolled Intersection Crossing	W	\$ 80,000.00	,	\$ 105,000.00		
33	440703	440711	Allistair Road and Peace Haven	W	\$ 139,000.00	The second secon	\$ 164,000.00	The same and the s	
34	440703		Mountainview and Peace Haven	W	\$ 148,304.46		\$ 167,304.46	\$ 17,666.02	
N/A			WFIQ Safety Improvements (6th street/Patterson Ave)	E	\$ 25,000.00		\$ 25,000.00		
N/A	44070	03	Allistair road traffic study	W	\$ 100,000.00		\$ 100,000.00		100,000.00
					Constr. Estimate	Design Budget	Total Budget	Actual Expenditures	
					\$ 2,171,804.46	\$ 275,000.00	\$ 2,446,804.46	\$	956,868.96

### The Process!

1.	Develop Master ListComplete
2.	Council ApprovalComplete
3.	Hire On-Call ContractorsComplete
4.	Cost EstimationComplete
5.	Budget AllocationComplete
6.	Prioritize ProjectsComplete
7.	DesignIn Progres
8.	ConstructIn Progress

Develop Master List Council Approval Hire On-Cal Contractors

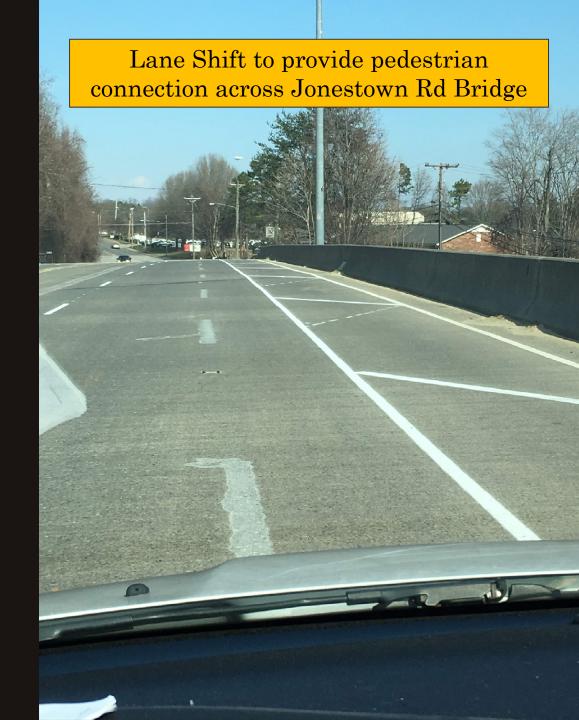
Cost Estimation Budget Allocation Prioritize Projects

Design

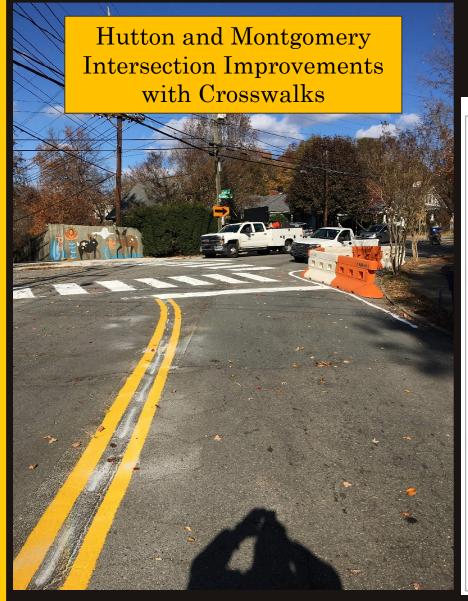
Construct

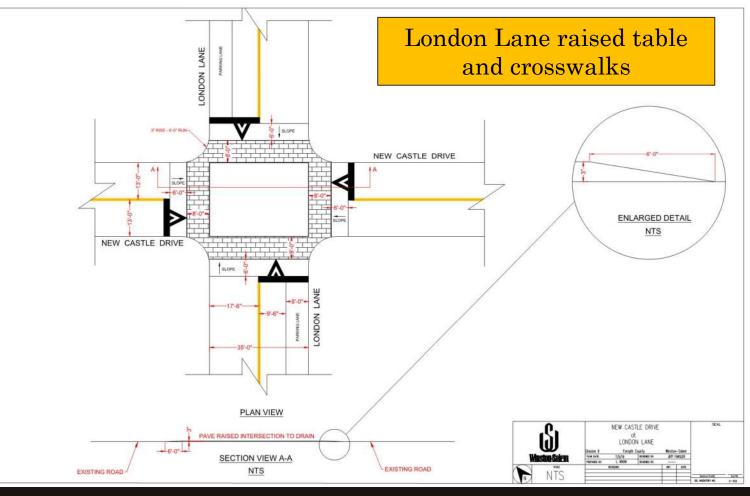
The Results!





#### The Results Cont'd!









Hawthorne and Melrose Pedestrian Crosswalk







Pedestrian signal upgrades







Bike Lane Project Markings



#### Other Pedestrian Project Updates!

- Polo Road Pedestrian Safety Improvement Project (Wake Drive to University Pkwy)
  - Base Scope
    - Sidewalk enhancements
    - ADA accommodations
    - Protected pedestrian crosswalks/signals
    - Intersection improvements
    - Median/Refuge islands
  - Fund Source: 2018 Bonds
  - Status: 25% Plans
- Silas Creek Pkwy Sidewalk Project (Bolton to Lockland)
  - Base Scope
    - Sidewalk enhancements
    - ADA accommodations
    - Protected pedestrian crosswalks/signals
  - Fund Source: Federal funds and 2014 Bond
  - Status: 65% Plans
- Fairlawn Drive Sidewalk
  - Base Scope
    - Sidewalk enhancements
    - ADA accommodations
    - Protected pedestrian crosswalks/signals
    - Intersection improvements
  - Fund Source: Federal funds and 2014 Bond
  - Status: 65% Plans



#### Other Pedestrian Project Updates!

- Griffith Rd Sidewalk Project (Burke Mill Rd to East Kimwell Dr)
  - Base Scope
    - Sidewalk enhancements
    - ADA accommodations
  - Fund Source: Federal funds and 2014 Bond
  - Status: 25% Plans
- 6th Street Pedestrian Crossing Improvements
  - Overview
    - Phase 1: Upgrade existing crosswalks with RRFB equipment
    - Phase 2: Road diet with lane reduction and bollards



## The Questions!

