

# *The* Town *of* Davidson

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# Presentation Overview

- Presentation Plan
- G.O. Bonds and Issuance
- Mobility Projects
- Greenway Projects



# Presentation Plan

- Mobility and Greenway Projects - Tonight
- Parks and Recreation Projects – March 27
- Comprehensive Review – April/May



# G.O Bonds

- 2017 Referenda
  - \$6 million Mobility
  - \$5 million Greenways
  - \$4 million Parks
- Projected issuance of \$5 million in 2019, 2021 and 2023
- August, 2017 - Projected ad valorem tax increase of 3.62 cents

# G.O. Bond Issuance

- Local Government Commission actually issues the debt
- Utilize bond counsel and financial advisor
- Need a bond rating and offering document
- From Board action to receipt of funds requires 60-90 days
- Issuance fees of about \$150,000 to \$175,000, including underwriting fees



# Mobility – Griffith Roundabouts Pedestrian Improvements



# Mobility – Griffith Roundabouts Pedestrian Improvements

- **Description:** Convert crosswalks at Griffith Street roundabouts to zig-zag style. Install pedestrian hawk beacons at all crosswalks. Relocate existing flashing pedestrian beacons to other intersections in town
- **Justification:** Griffith Street is the highest vehicle volume street in the town, at a measured 17,000 vehicles per day in 2017. As part of a 2014 pedestrian study, 400 pedestrians per day were documented crossing Griffith Street at the roundabouts, with 3 crosswalks in service. Since that time, we have added the crosswalk at the Griffith Street and Jetton Street intersection. The existing pedestrian beacons have been very successful. However, they are not the best possible treatment, and can be relocated to lower volume crosswalks. As the Exit 30 area continues to grow, we can provide the highest level of pedestrian safety through these improvements.
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering	\$50,000
• HAWK Beacons (provide & install)	\$400,000
• Modify concrete medians and crosswalks	<u>\$400,000</u>
• SUBTOTAL	\$850,000
• Contingency (15%)	<u>\$127,500</u>
• GRAND TOTAL	\$977,500





## Mobility – Intersection Improvements Concord–Pine-Grey



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# Mobility – Intersection Improvements Concord–Pine-Grey

- **Description:** Improve road alignment intersection of Concord Rd, Grey Rd, and Pine Rd
- **Justification:** The current road alignment is skewed. Traffic volumes have increased on all legs of the intersection. Realigning the intersection, or installing a roundabout, would improve safety for all transportation modes
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering	\$225,000
• Roundabout	\$1,500,000
• SUBTOTAL	\$1,750,000
• Contingency (15%)	<u>\$225,000</u>
- **GRAND TOTAL** **\$1,950,000**



## Mobility – Intersection Improvements North Main-Beaty



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February 27, 2018

# Mobility – Intersection Improvements North Main-Beaty

- **Description:** Add traffic signal and crossover lane at the Beaty Street – Main Street intersection.
- **Justification:** The intersection is operating at a low level of service during the PM traffic peak. The additional traffic volume from the Potts-Beaty-Sloan connector will further reduce the level of service. A roundabout is not feasible due to the Norfolk Southern right-of-way. A traffic signal would provide the highest benefit for the cost.
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering, Contingency, Overhead	\$400,000
• Construction	\$700,000
• SUBTOTAL	\$1,100,000
• GRAND TOTAL	\$1,100,000





# Mobility – Major Sidewalk Projects – North Main



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## Mobility – Major Sidewalk Projects – Jetton St



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## Mobility – Major Sidewalk Projects – Griffith St



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February 27, 2018



# Mobility – Major Sidewalk Projects – Concord Rd



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February 27, 2018

# Mobility – Major Sidewalk Projects

- **Description:** Install major sidewalk projects similar, but not limited to, proceeding examples
- **Justification:** Provide safe, convenient pedestrian amenity along major and minor streets
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*

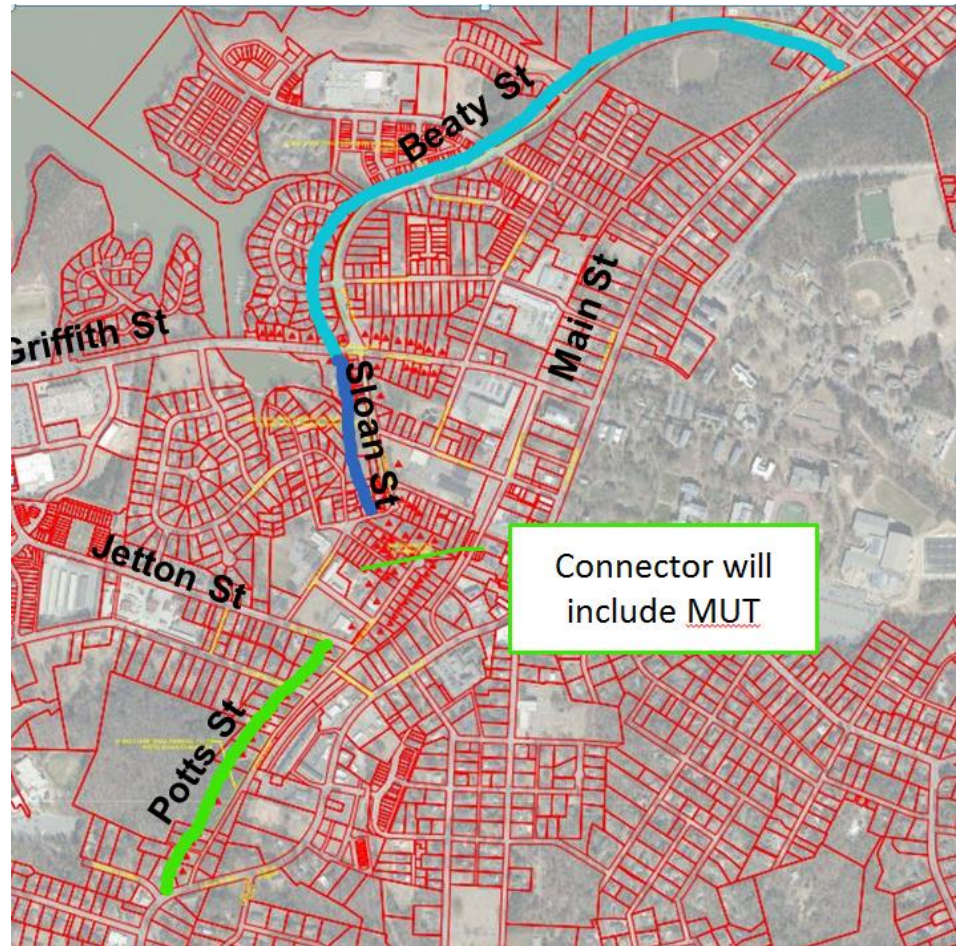
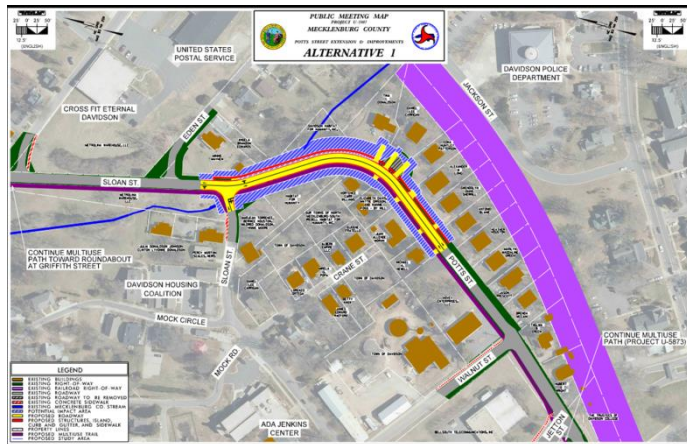
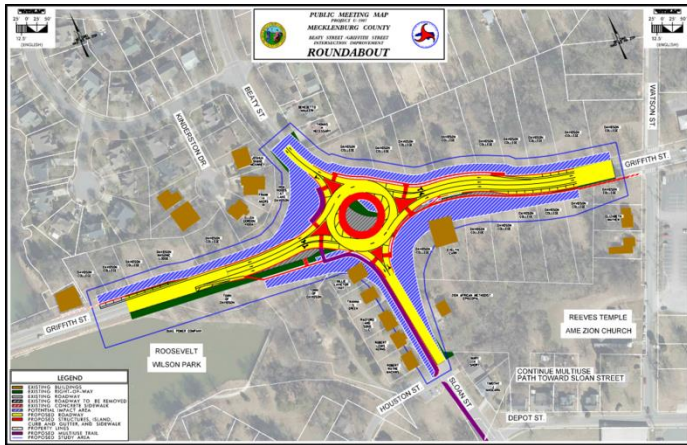
- **Cost Estimate:**

• <b>Engineering</b>	<b>\$160,000</b>
• <b>North Main St east side</b>	<b>\$378,300</b>
• <b>Concord Rd north side</b>	<b>\$405,000</b>
• <b>Griffith St north side</b>	<b>\$402,600</b>
• <b>Jetton St south side</b>	<b>\$205,600</b>
• <b>SUBTOTAL</b>	<b>\$1,551,500</b>
• <b>Contingency</b>	<b>15%</b>
• <b>GRAND TOTAL</b>	<b>\$1,784,225</b>





# Mobility – Potts/ Sloan / Beaty



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February 27, 2018

# Mobility – Potts/ Sloan / Beaty

EXPENSE				
	CONNECTOR OPTION 1			\$740,000.00
	ROUNDAABOUT			\$2,600,000.00
	MULTI-USE PATH POTTS-GRIFFITH			\$1,167,750.00
	TRAFFIC CALMING			\$414,000.00
	TOTAL			\$4,921,750.00
REVENUE				
	BONUS ALLOCATION FUNDS			\$3,900,000.00
	NET BOND FUNDING PHASE 1			\$1,021,750.00
	MULTI-USE PATH PHASE 2 GRIFFITH - N.MAIN ST.			\$1,316,250.00





## Greenways – Kincaid Trail



## Greenways – Kincaid Trail

- **Description:** Build greenway from Eugenia St (behind Carrburritos) to Davidson Elementary School
- **Justification:** Greenway construction has consistently ranked very high on citizen's surveys. This section would link South Main to Cornelius and the existing Davidson greenway sections, providing a safe, enjoyable route for all residents. This section would be part of the Mooresville-to-Charlotte trail.
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering	<b>\$100,000</b>
• Construction	<b>\$663,000</b>
• SUBTOTAL	<b>\$763,000</b>
• Contingency (15%)	<b><u>\$114,450</u></b>
- **GRAND TOTAL** **\$877,450**
- **Grant** **\$701,780**
- **NET Bond Funding** **\$175,670**





# Greenways – South Main to Potts / Sloan / Beaty Connector



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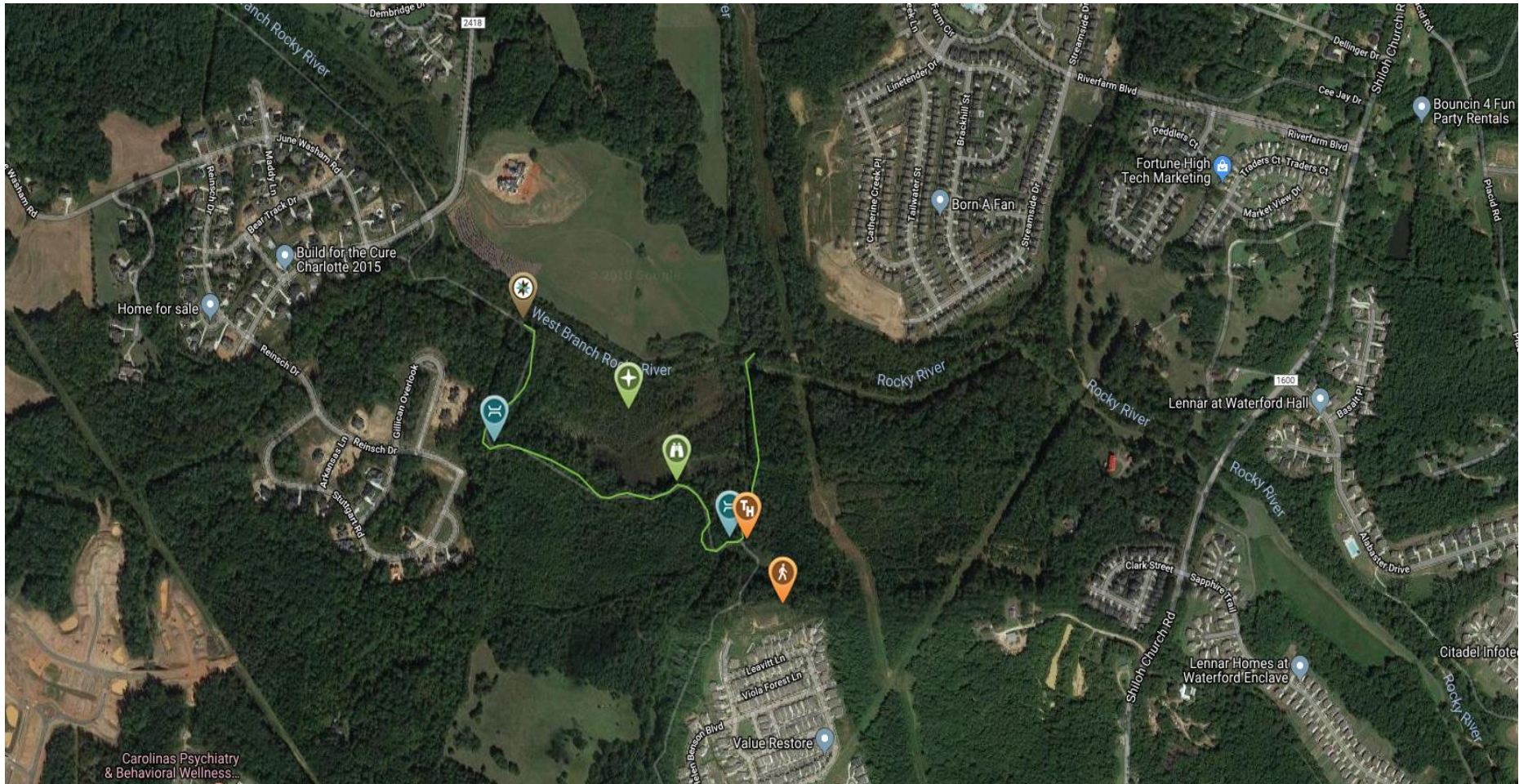
# Greenways – South Main to Potts / Sloan /Beaty Connector

- **Description:** Connect Potts Street to Kincaid Trail Extension
- **Justification:** Link 2 Multi-Use Path segments as part of Mooresville-to-Charlotte Trail
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**
  - Engineering \$22,500
  - Construction \$150,000
  - SUBTOTAL \$172,500
  - Contingency (15%) \$25,875
- **GRAND TOTAL** \$198,375





# Greenways – River Run to Summers Walk



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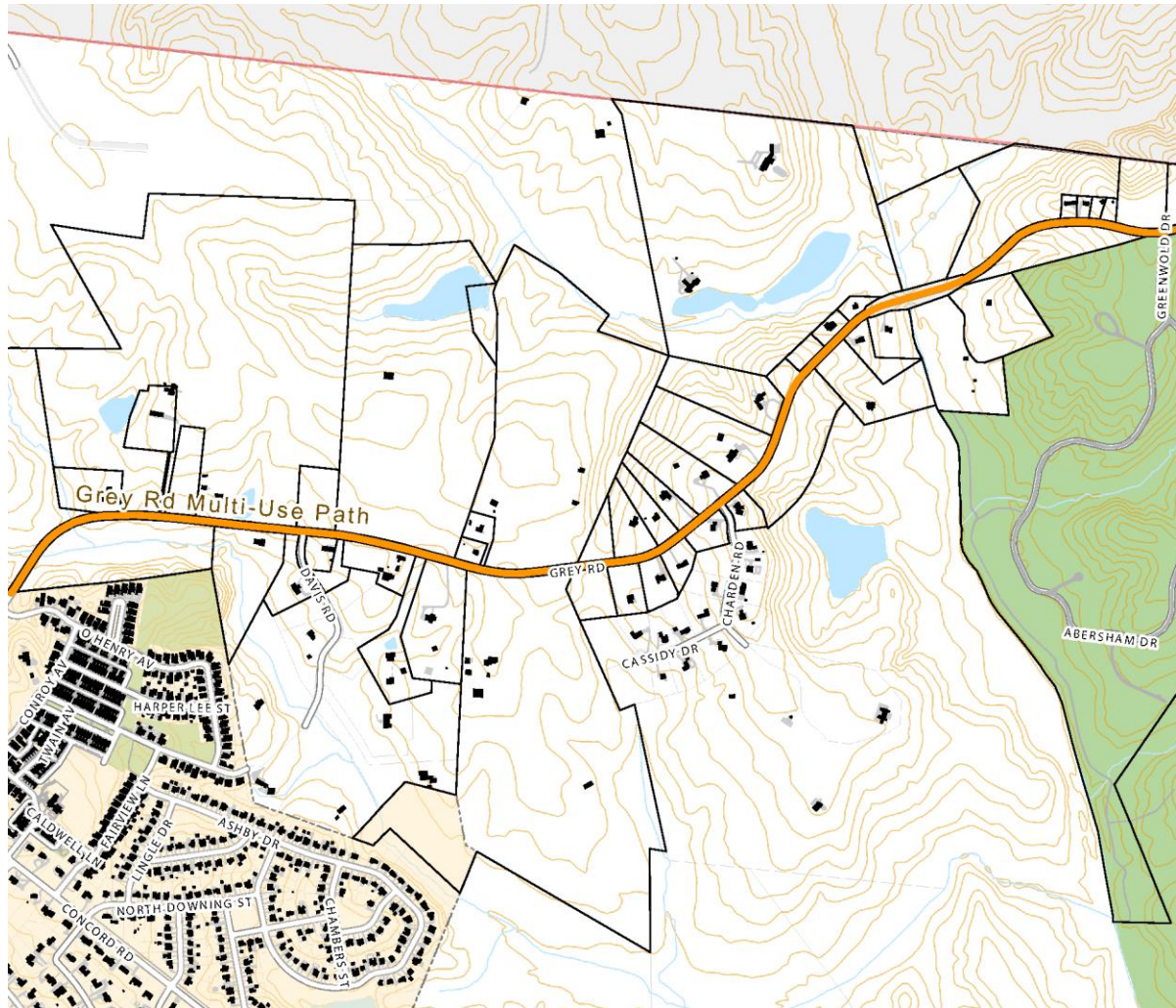
## Greenways – River Run to Summers Walk

- **Description:** Build greenway connecting River Run to Summers Walk
- **Justification:** Connect Summers Walk neighborhood to River Run
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering	<b>\$150,000</b>
• Construction	<b>\$1,500,000</b>
• SUBTOTAL	<b>\$1,750,000</b>
• Contingency (15%)	<b><u>\$250,000</u></b>
- **GRAND TOTAL**  
**\$1,900,000**

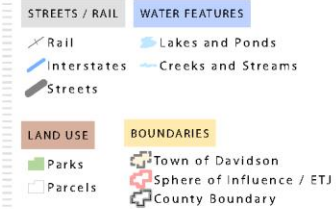


# Multi-Use Path Grey Road



## GREY RD MULTI-USE PATH

A map of the proposed portion of the Grey Rd Multi-Use Path being applied for STP-DA funding.



## TOWN OF DAVIDSON

MECKLENBURG COUNTY, NORTH CAROLINA



0 250  
Feet

1 inch = 700 Feet

Date: 2/16/2017

DATA SOURCES:  
NC One Map  
Mecklenburg County  
Town of Davidson

This product is for informational purposes only and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



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February 27, 2018

# Multi-Use Path Grey Road

- **Description:** Build 10-foot Multi-Use path along Grey Road to Abersham park
- **Justification:** The Grey Road Multi-Use path will be a dedicated 1.94 mile off road path following Grey Rd From Town Limits to the Abersham County Park. This facility will connect to existing sidewalks in St. Albans Neighborhood, Existing and proposed Greenways in Abersham Park, and the currently planned Grey Rd Multi-Use Path from Town limits to Concord Rd. The Grey Road Multi-Use Path will provide an opportunity for residents and visitors to walk and/or bike to Abersham Park by connecting this park to Downtown via existing bicycle paths and sidewalks. Future greenway projects currently planned such as the Charlotte to Mooresville trail, Redline Trail, and Kincaid Trail connect through Davidson's Downtown. By constructing this project, Abersham Park will also be accessible to these future projects.
- **Core Value(s):** *Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.*
- **Cost Estimate:**

• Engineering	\$300,000
• Construction	\$2,000,000
• SUBTOTAL	\$2,300,000
• Contingency (15%)	<u>\$345,000</u>
• <b>GRAND TOTAL</b>	<b>\$2,645,000</b>



# Questions

