



RESOLUTION TITLE: RESOLUTION TO ENDORSE ONE (1) COUNTY PROPOSED PROJECT THROUGH THE FEDERAL CONGESTION MITIGATION AND AIR QUALITY (CMAQ) PROGRAM. THE PROJECT IS A PROPOSED SIDEWALK ALONG NEAL HAWKINS ROAD WITHIN THE COUNTY BOUNDARY CONNECTING BETWEEN INTERSECTION AT HAWK'S RIDGE DRIVE AND EXISTING SIDEWALK AT MARTHA RIVER'S PARK WITHIN THE CITY OF GASTONIA BOUNDARY

WHEREAS, the Federal Highway Administration CMAQ Improvement Grant Program provides funding to local governments in air quality non-attainment and maintenance areas in North Carolina to undertake projects that reduce emissions from on-road motorized vehicles; and,

WHEREAS, CMAQ Funds are distributed by the North Carolina Department of Transportation to the Gaston-Cleveland-Lincoln Metropolitan Planning Organization (GCLMPO) for use by it eligible members; and,

WHEREAS, Gaston County currently has one proposed (1) project application for a sidewalk along Neal Hawkins Road occurring between intersection at Hawk's Ridge Drive and existing sidewalk at Martha River's Park in the City of Gastonia; and,

WHEREAS, the CMAQ Allocation for the proposed Neal Hawkins Road Sidewalk is \$1,488,462 with a local funds match of 20% or \$372,116 of the CMAQ Allocation; and,

WHEREAS, Gaston County acknowledges that any costs in excess of those paid through the CMAQ grants are the responsibility of the County and that implementation of the projects if awarded CMAQ grants is the responsibility of the County; and,

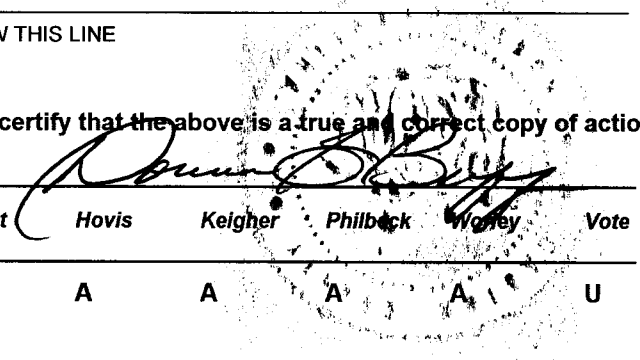
WHEREAS, the GCLMPO TCC voted on December 9, 2017 to move forward acceptance of the proposed project list to the GCLMPO TAC; and,

WHEREAS, the GCLMPO TAC voted on January 25 to accept the County CMAQ Application Proposal for submission to NCDOT.

NOW, THEREFORE, BE IT RESOLVED that the Gaston County Board of Commissioners hereby endorses the NCDOT Project Application to the GCLMPO for the proposed Neal Hawkins Road Sidewalk and approves the local match and authorizes Planning Staff to provide necessary documentation in support of the grant application.

DO NOT TYPE BELOW THIS LINE

I, Donna S. Buff, Clerk to the County Commission, do hereby certify that the above is a true and correct copy of action taken by the Board of Commissioners as follows:



NO.	DATE	M1	M2	Brown	Fraleigh	Grant	Hovis	Keigher	Philbeck	Worley	Vote
2018-055	02/27/2018	TP	BH	A	AB	A	A	A	A	A	U

DISTRIBUTION:

Laserfiche Users

Proposed Sidewalk Neal Hawkins Road
Total Length: 3,697.72 feet or 0.70 miles +/-

COUNTY JURISDICTION

Proposed Midblock Crossing at
Neal Hawkins Road & Forbes Road

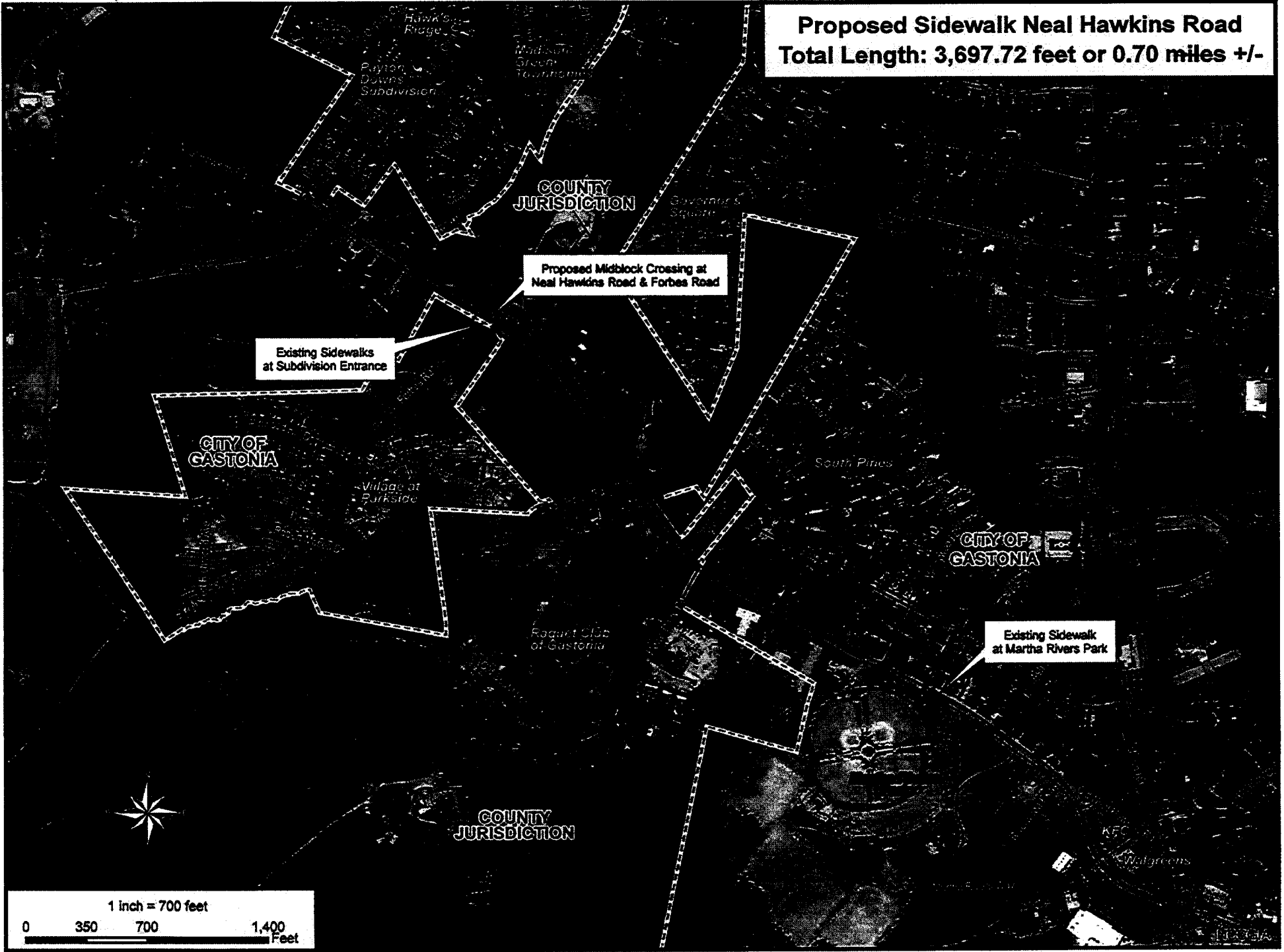
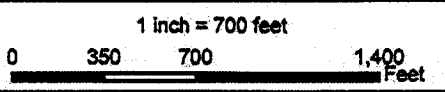
Existing Sidewalks
at Subdivision Entrance

CITY OF GASTONIA

CITY OF GASTONIA

Existing Sidewalk
at Martha Rivers Park

COUNTY JURISDICTION





**Congestion Mitigation & Air Quality (CMAQ)
FY 19 Application Form
Deadline: November 15, 2017**

Please use this form to submit your request for CMAQ funding.

Project Sponsor Information

Agency: Gaston County Government

Contact Name : Juan G. Garcia & Ray Maxwell

Address: 128 W. Main Ave. - Suite 216, Gastonia, NC 28052

Telephone : (704) 866-3770 / (704) 862-7551

E-Mail: juan.garcia@gastongov.com / ray.maxwell@gastongov.com

Project Information

Title: **Sidewalk Improvements - Neal Hawkins Rd. near Intersection of Forbes Rd. and Martha Rivers Park entrance.**

Description:

The purpose of the proposal is to encourage pedestrian movement and accessibility by the sidewalk installation. Nearly 300 residential units are located in this area with access on Neil Hawkins Road. The proposal would extend between the intersection at Hawk Ridge Drive and the existing sidewalk infrastructure outside of the boundary of Martha River's Park.

The intent is to build under the County Jurisdiction and to eventually connect to existing infrastructure through negotiation with neighboring the City of Gastonia to facilitate a sidewalk network. In addition, due to the high density of existing residential, the city park, a house of worship, other commercial uses just outside the project area, the sidewalk would encourage pedestrian movement/exercise in this area, increase the pedestrian safety as opposed to current existing conditions of no sidewalk for the majority of the area except for existing section inside city limits and outside of the park entrance. The entire length, including existing section of sidewalk, is approximately 3,462.30 feet, and such an alternative mode of travel might also contribute to reduction of vehicle mileage and emissions in terms of travel decisions that originate from within this corridor.

Include a project map as an attachment to this application.

Project Type (check all that apply)

<input checked="" type="checkbox"/> Transportation Control Measures	<input type="checkbox"/> Transportation Management Associations
<input type="checkbox"/> Extreme Low-Temperature Cold Start Programs	<input type="checkbox"/> Carpooling & Vanpooling
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Freight/Intermodal
<input checked="" type="checkbox"/> Congestion Relief & Traffic Flow Improvements	<input type="checkbox"/> Diesel Engine Retrofits
<input checked="" type="checkbox"/> Transit Improvements	<input type="checkbox"/> Idle Reduction
<input checked="" type="checkbox"/> Bicycle/Pedestrian Facilities & Programs	<input type="checkbox"/> Training
<input checked="" type="checkbox"/> Travel Demand Management	<input type="checkbox"/> I/M Programs
<input checked="" type="checkbox"/> Public Education & Outreach Activities	<input type="checkbox"/> Experimental Pilot Projects

CMAQ Funding Requested: PE – \$250,000 ROW - \$15,000 Construction (including CEI) – \$1,223,462 Total CMAQ Cost: \$1,488,462
Local Match Funding: PE – \$62,500 ROW – \$3,750 Construction (including CEI) – \$305,866 Total Local Match: \$372,116
Total Project Estimate: \$1,860,578
Desired Federal Fiscal Year: 2019
List the source(s) of local matching funds: Gaston County Local Funds

- Complete the Project Budget Worksheet and include as an attachment to this application.**

In the following section, please provide information on how the project addresses the six categories in the GCLMPO's adopted CMAQ project ranking criteria (adopted September 28, 2017).

1. Pollutant Reduction (30 points possible) Pollutant reductions are calculated by taking the calculated yearly NOx reductions and 25 percent of the calculated yearly PM 2.5 reductions, and then summing the two numbers. This yearly number is then multiplied by the number of years in the project lifetime. The result is the lifetime pollutant reduction. Please review the ranking criteria for more details. The project is calculated to have an emissions reduction of 57.5 kg over the life of the project.
2. Project Cost Effectiveness (20 points possible) What is the CMAQ cost per kilogram of pollutant removed over the life of the project (with kilograms removed defined by the weighting process from Criteria #1)? Projects that fall in the more-cost effective categories will receive additional points. Please review the ranking criteria for more details. The CMAQ cost per kilogram of pollutant removed over the life of the project is estimated to be \$25,796.

3. Transportation Impact (15 points)

Will the proposed project improve the transportation system? Will it improve freight movement or non-Single Occupant Vehicle (SOV) travel? Will the project address an identified non-vehicular safety issue? If it reduced vehicular congestion, just how much congestion does it eliminate in terms of hours of delay per day? Please review the ranking criteria for more details.

From a multi-modal standpoint, it would improve the system by the inclusion of a sidewalk. It will not improve freight movement or non-SOV Travel. As to non-vehicular safety and vehicular congestion reduction, if the sidewalk facility is built, it would hopefully be a mitigating factor to reduce pedestrian and bicycle crashes along the subject section of road versus the existing condition of no sidewalk and increased potential for future pedestrian and bicycle crashes in this area as pedestrian and bicycle crashes have been cited along the subject road corridor. Crashes can still occur with a sidewalk in place, but in our opinion existence of a sidewalk is a safer mobility option than without a sidewalk in place as in current conditions. Also, with the number of residential and nonresidential uses and rec. opportunities, vehicular trips may be reduced as well as improvement of air quality.

4. Project Readiness (15 points possible)

Has an Engineer's Estimate been completed for the project? Does the project require environmental review? Has the applicant completed any LAPP Training within the past 5 years? Please review the ranking criteria for more details.

The engineer's estimate has been submitted, and as to any environmental review would be a categorical exclusion.

5. Project Maintenance & Management (10 points possible)

Has the applicant anticipated the ongoing maintenance and management obligations of the project? Does the applicant have a plan and the capability for maintenance and supervision of completed project? Please review the ranking criteria for more details.

As to ongoing maintenance and management obligations, preliminary estimated has been submitted, and the subject project will occur within existing ROW as required ROW access is limited. As to a plan and the capability for maintenance and supervision of completed project, Gaston County has previous experience with NCDOT Projects and has utilized CMAQ Funding previously, and administering three (3) CMAQ Projects currently. In closing, Gaston County, at no expense or liability to the NC Department of Transportation, will assume all maintenance responsibilities for the sidewalk, or as required by an executed encroachment agreement.

6. Concurrency with Existing Plans (10 points possible)

Has the proposed project been identified through a previous planning effort? Does the project help address an issue identified in those plans? Please review the ranking criteria for more details.

Yes, and is proposed in the 2040 Metropolitan Transportation Plan.

Other identified issues: due to a mix of a high residential density, attraction of a popular city park, a house of worship, other commercial uses just outside the project area as well as the influence of neighboring road network including Highway 321 S and Union Roads, the sidewalk would encourage a continual safer pedestrian movement as opposed to current conditions of no sidewalk for the majority of the area except for existing section inside city limits and outside of the park entrance as well as facilitating walking as an exercise option through this area. The entire length, including existing section of sidewalk, is approximately 3,462.30 feet, and such an alternative mode of travel might also contribute to reduction of vehicular trips and emissions reduction as it relates to trip decisions originating from within this corridor.

Proposed Sidewalk Neal Hawkins Road
Total Length: 3,697.72 feet or 0.70 miles +/-

COUNTY JURISDICTION

Proposed Midblock Crossing at Neal Hawkins Road & Forbes Road

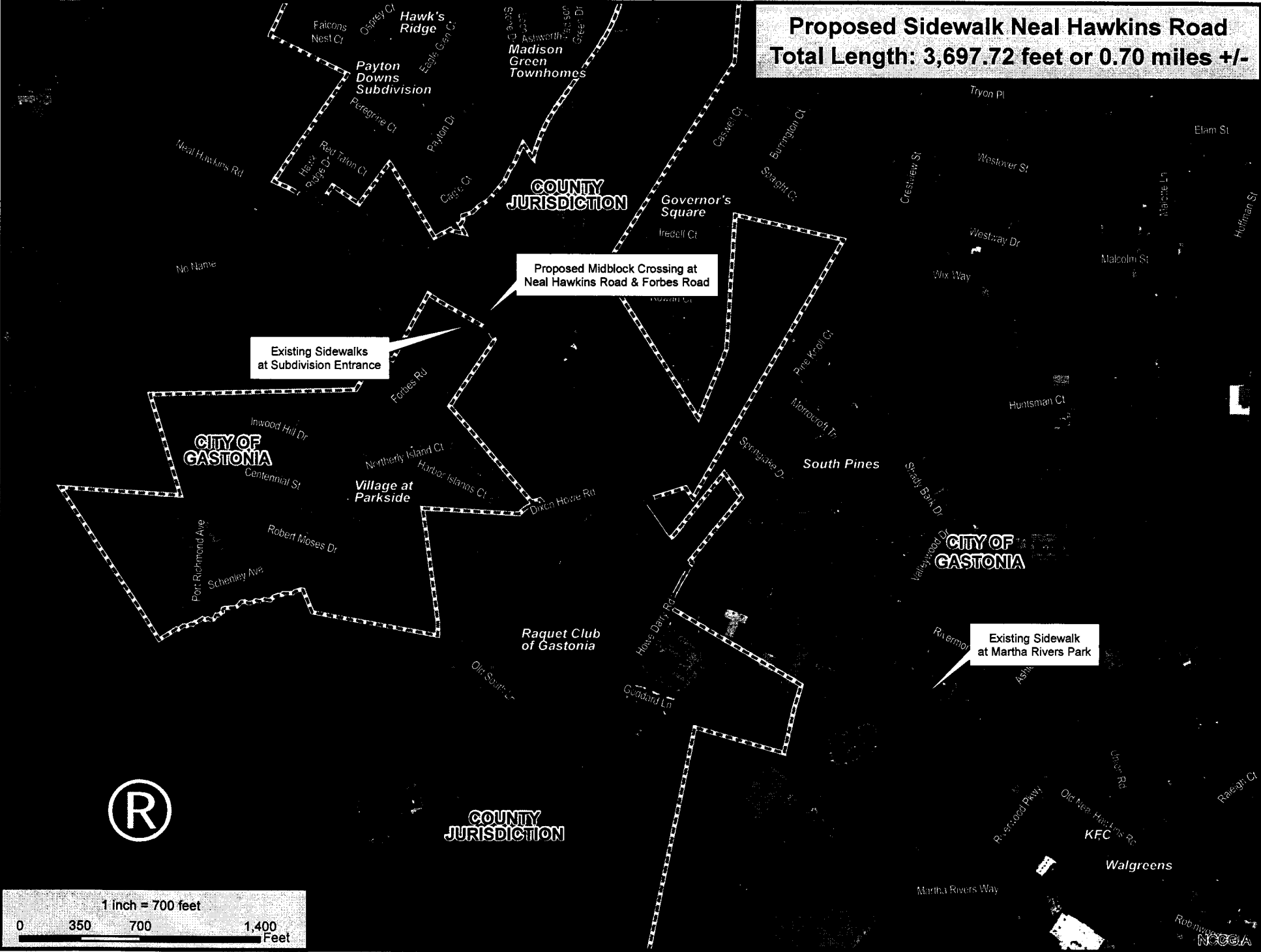
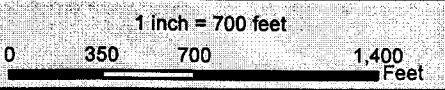
Existing Sidewalks at Subdivision Entrance

Existing Sidewalk at Martha Rivers Park

CITY OF GASTONIA

CITY OF GASTONIA

COUNTY JURISDICTION



Project Name: Neal Hawkins Road Sidewalk Improvements

Project Budget				
	Measurement	GMAQ Funding	Local Match	Total Cost
Design				
PE/Design (Typically 10-20% of construction cost)	EA	\$250,000	\$62,500	\$312,500
Environmental Documentation				
Environmental Documents	Included in PE			
ROW Acquisition				
ROW/Land Acquisition	LS	\$15,000	\$3,750	\$18,750
Utility Relocation				
Utility Relocation	LS	\$15,000	\$3,750	\$18,750
Construction				
Permit Acquisition (Environmental, Building, Etc.)	Included in PE			
Sidewalk (SY)	2,160	\$103,680	\$25,920	\$129,600
Curb & Gutter (LF)	3,880	\$93,120	\$23,280	\$116,400
Grading (AC/CY)	1.0/1,000	\$22,400	\$5,600	\$28,000
Crosswalk/Pavement Markings	LS	\$2,400	\$600	\$3,000
Retaining Walls	N/A		\$0	\$0
Fencing Items	N/A		\$0	\$0
Piping Needs (LF)	4,120	\$159,040	\$39,760	\$198,800
Signilization Needs	LS	\$2,400	\$600	\$3,000
Landscaping Items (AC)	0.5	\$1,200	\$300	\$1,500
Erosion Control Items	LS	\$18,672	\$4,668	\$23,340
Other		\$300,000	\$75,000	\$375,000
CEI/Materials Testing (Typically 15-20% of construction cost)	EA	\$125,000	\$31,250	\$156,250
Contingency (30%)		\$315,550	\$78,888	\$394,438
NCDOT Oversight ((\$5000 or 5%, whichever is greater)		\$65,000	\$16,250	\$81,250
Is this based off of a preliminary engineering estimate? Yes/No				Yes
If no, how did you come up with this cost estimate? Please explain.				



Gaston County

Gaston County
Board of Commissioners
www.gastongov.com

Planning Board Action

File #: 18-049

Commissioner Keigher - Planning/Zoning - To Consider Endorsement of a County Application Proposal through the Federal Congestion Mitigation and Air Quality (CMAQ) Program for Fiscal Year 2019 (Neal Hawkins Road Sidewalk)

STAFF CONTACT

David L. Williams, AICP - Planning Director and Ray Maxwell, PE - Public Works Director

BUDGET IMPACT

Pending

BUDGET ORDINANCE IMPACT

N/A

BACKGROUND

The County Planning Department in cooperation with the County Parks and Recreation, County Public Works, and the Gaston-Cleveland-Lincoln Urban Area Metropolitan Planning Organization (GCLMPO) have worked together to examine and submit one (1) application proposal that was due October 31, 2017 for funding consideration through the Federal Congestion Mitigation and Air Quality Program commonly referred to as CMAQ. Through the Safe, Accountable, Flexible, Efficient Transportation Equity Act (SAFETEA), this program continues to provide federal funds administered through the Department of Transportation for transportation improvement projects such as intersections, rail trail extensions, bicycle lanes, greenways and sidewalks, etc., in air quality nonattainment and maintenance areas to help achieve and maintain national standards for pollutants. Application for CMAQ Funding occurs biannually, and the proposed application is for federal fiscal year 2019; however, the funding does not allow for property condemnation, and property easements will only be acquired from willing property owners. In addition, the application requires an 80/20 split whereby 80 percent is the federal portion and the 20 percent represents the obligated match of the applicant. The County Project is for a sidewalk along Neal Hawkins Road, and the proposal would occur between the intersection at Hawk's Ridge Drive and the existing sidewalk infrastructure outside of the boundary at Martha River's Park in the city of Gastonia with an approximate \$372,116 total matching funds of the \$1,488,462 CMAQ Allocation. For any questions or clarification, David Williams (704) 866-3473, and Ray Maxwell (704) 862-7551, are the lead staffers through the CMAQ Application process. (Continued on Page 2)

DO NOT TYPE BELOW THIS LINE

I, Donna S. Buff, Clerk to the County Commission, do hereby certify that the above is a true and correct copy of action taken by the Board of Commissioners as follows:

NO.	DATE	M1	M2	Brown	Fraleigh	Grant	Hovis	Keigher	Philbeck	Worley	Vote
2018-055	02/27/2018	TP	BH	A	AB	A	A	A	A	A	U

DISTRIBUTION:

Laserfiche Users

**Commissioner Keigher - Planning/Zoning - To Consider Endorsement of a County Application Proposal through the Federal Congestion Mitigation and Air Quality (CMAQ) Program for Fiscal Year 2019 (Neal Hawkins Road Sidewalk)
Page 2**

On December 9, 2017, the MPO Technical Coordination Committee (TCC) voted to recommend approval of the CMAQ Project Proposal List in the MPO Boundary to the Technical Advisory Committee (TAC), and on January 25, the TAC voted to approve moving forward the proposal list for submission to NCDOT. If the proposal is awarded, County Staff will request an opportunity to come back before the Board of Commission to request acceptance of the application and to request appropriation of the matching funds of up to \$372,116. Thus, the Board of Commission is requested to consider endorsement of the application. The proposal is in line with The 2035 Comprehensive Land Use Plan related to transportation.

POLICY IMPACT

N/A

ATTACHMENTS

Resolution, Map and Application