



Martintown Road Corridor Study Public Information Presentation

January, 2021

Planning & Development Department

Project History and Background



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History of the Project:

- Project was awarded in January, 2020, to AECOM to:
 - Conduct a corridor study that included a review of the existing traffic operation and safety
 - Assess conditions along the corridor within the study area,
 - Project future traffic conditions based on potential future land use and development plan, and
 - Identify potential deficiencies to propose improvement measures.

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History of the Project:

- AECOM studied traffic conditions during a typical weekday in the AM and PM peak hours for three (3) scenarios:
 - Existing 2020: An analysis of existing conditions in the year 2020.
 - No-Build 2040: An analysis of future conditions in the year 2040 using historic traffic volume trends in the surrounding area (assuming no improvements).
 - Build 2040: An analysis of the future 2040 conditions for multiple development scenarios.

History of the Project:

- AECOM conducted traffic counts and initial projected traffic volumes, *prior to pandemic impacts*
- Project delayed to accommodate updated development information provided along the corridor
- Project limits were truncated to Knobcone, as most traffic impacts were on the northern section of the study area
- Additional information provided in the Final Study Report

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History of the Project:

- Final Study Report:

<http://www.northaugusta.net/MartintownRoadStudy>

- Provides an online comment entry form (see last slide for other methods to submit comments)
- Hard copy available at the P&D Department, 100 Georgia Avenue, 2nd Floor

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Existing Conditions Maps



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Study Limits: Overall Map



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FIGURE 1

Study Area Limits
West Martintown Road Corridor Study
North Augusta, SC



Drawing Not to Scale

Overall Maps,

Existing Aerials:

W. Martintown Rd.

at Gregory Lake Rd.

Overall Maps,
Existing Aerials:
I-20 Exits and
Frontage Road



Overall Maps,
Existing Aerials:
Frontage Road, Old
Plantation Road, and
Knobcone Avenue



Summary of Recommendations



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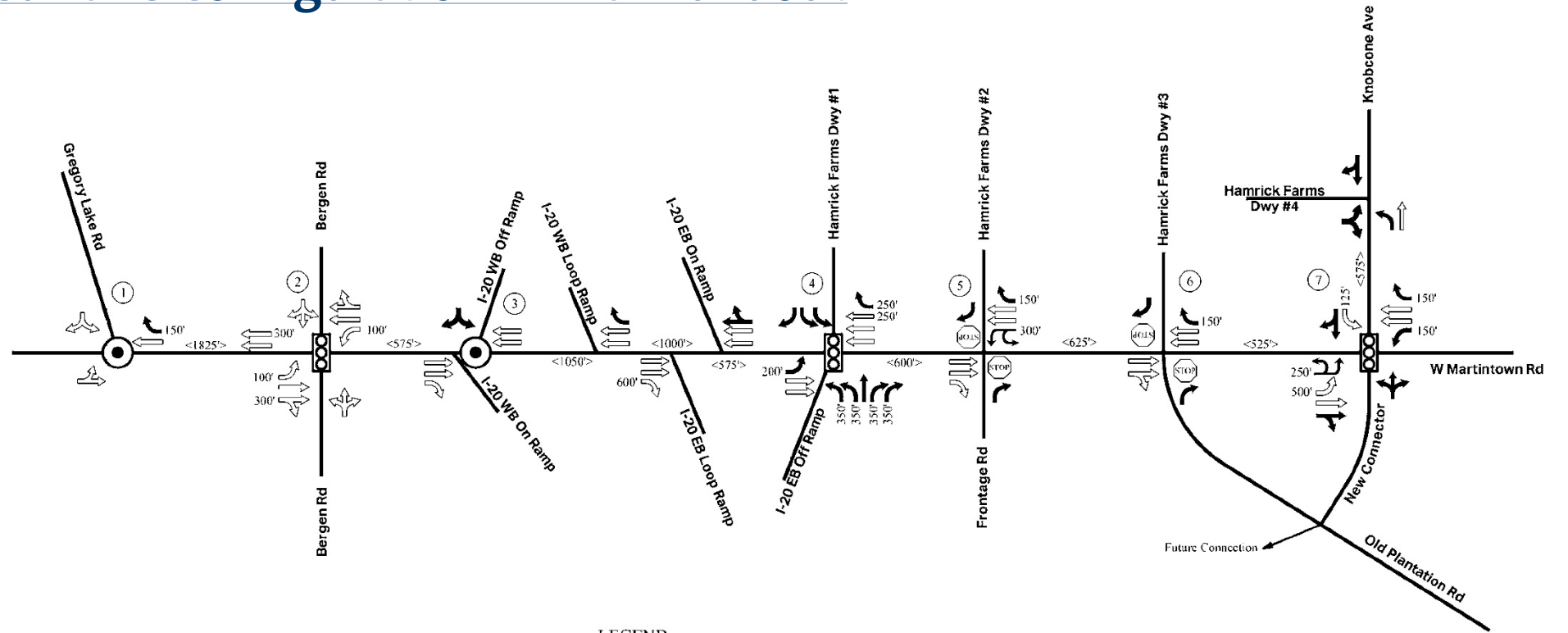
Recommended Projects

Broken into three time frames:

- Near Term: 2020 – 2025 (“N” projects)
- Intermediate Term: 2025 – 2035 (“I” projects)
- Long Term: 2035+ (“L” projects)
- Improvement timing may change if conditions change (following slides show list form and aerial illustrations)

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Recommended Lane Configuration – Final Buildout



LEGEND

- Existing Laneage
- New Laneage
- New Signal
- Stop Control
- New Roundabout
- XXX' Storage Length (feet)
- <XXX'> Distance (feet)
- (##) Intersection ID

West Martintown Road Corridor Study

Figure 5 - Recommended Lane Configuration

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November 2020
North Augusta, SC



Near Term Project List

West Martintown Road Corridor Study

Project Number: 60607299

Table 15: Near-term (2020-2025) Project Summary

Project #	Location	Consideration	Cost
N-1	Bergen Road	Install a traffic signal (Currently in progress)	\$100,000
N-2	I-20 WB Off Ramp	Install a Traffic Signal (Currently in progress) – Includes dual eastbound left-turn lanes and maintains free flow right-turn lane	\$150,000
N-3	I-20 WB Off Ramp / Hamrick Farms Site Driveway #1	With proposed development, install a 4 th leg for the Site Driveway for Hamrick Farms Development to include dual westbound left-turn lanes and one single right-turn lane. I-20 EB Off Ramp approach should have a through lane constructed to access Hamrick Farms driveway and the free flow right-turn lane should be replaced with dual right-turn lanes (350 feet storage). On West Martintown Road, a northbound right-turn lane (250 feet storage) and southbound left-turn lane (200 feet storage) should be provided.	\$2,000,000
N-4	I-20 EB On Ramp to I-20 WB Loop Ramp	Restripe West Martintown Road northbound right-turn lane onto I-20 EB On Ramp to a shared / through-right-turn lane that extend to I-20 WB Loop Ramp.	\$10,000
N-5	Hamrick Farms Site Driveway #2	Provide a northbound right-turn lane with 150 feet of storage and access to / from Hamrick Farms Driveway #2 should be right-in / right-out (Overhead Utilities will have to be relocated)	\$300,000
N-6	Hamrick Farms Site Driveway #3	Provide a northbound right-turn lane with 150 feet of storage and access to / from Hamrick Farms Driveway #3 should be right-in / right-out. Old Plantation Road should remain full access. (Overhead Utilities will have to be relocated)	\$300,000
Total			\$2,860,000

Intermediate Term Project List

West Martintown Road Corridor Study

Project Number: 60607299

Table 16: Intermediate-term (2025 - 2035) Project Summary

Project #	Location	Consideration	Cost
I-1	Gregory Lake Road	Install a single lane roundabout	\$2,250,000
I-2	I-20 WB Off Ramp	Install a dual lane roundabout	\$2,750,000
I-3	Frontage Road / Hamrick Farms Site Driveway #2	Reconfigure Frontage to a reduced conflict intersection (RCI) and provide a flare out to make northbound U-turns	\$300,000
I-4	Knobcone Avenue	Install a traffic signal with dual southbound left-turn lanes and northbound right-turn lane on West Martintown Road.	\$1,500,000
I-5	Knobcone Avenue to Hammond Pond Rd	Build a sidewalk on both sides of the road connecting the two intersections (2500 centerline ft, 5000 linear ft of sidewalk, Needs Right of Way)	\$800,000
Total			\$7,600,000

Long Term Project List

West Martintown Road Corridor Study

Project Number: 60607299

Table 17: Long-term (2035-2040) Project Summary

Project #	Location	Consideration	Cost
L-1	Knobcone Avenue	Install a 4 th leg connecting to Old Plantation Road	\$800,000
L-2	Old Plantation Road	Restrict access to Old Plantation Road to right-in / right-out after completing a new connector road to Knobcone Avenue by installing a median that connects to RCI at Frontage Road.	\$100,000
L-3	Frontage Road to Old Plantation Road	Develop a parallel road to the west side West Martintown Road that provides access to River Falls Apartments and Circle K that connects to Old Plantation Road and eventually to the new signal at Knobcone Avenue (approximately 1700 ft)	\$1,000,000
Total			\$1,900,000

Gregory Lake Road

- Single lane roundabout (Project I-1)



West Martintown Road Corridor
Figure 7A - West Martintown Rd Concept
AECOM | November 2020
North Augusta, SC

Bergen Road & I-20 WB Ramps

- Light in progress at Bergen Rd. (N-1)
- Double-lane roundabout at I-20 WB on and off-ramp (I-2)



I-20 EB Ramps to Knobcone

- I-20 EB Traffic Light with Hamrick Farms Driveway #1 (N-2, N-3)
- Hamrick Driveway #2, Frontage Road (N-5, I-3)

I-20 EB Ramps to Knobcone (2)

- Hamrick Farms Driveway #3, Plantation Drive (N-6, L-2)
- Knobcone Avenue light (I-4)
- Connector to Plantation Drive (L-1)
- Future connection from Frontage Drive to Plantation Drive (L-3)



Bicycle and Pedestrian Recommendations:



- Along West Martintown Road (I-5):
 - Sidewalks should be five feet wide and connected between building entrances to surrounding streets, transit stops, parking lots, and adjacent development;
 - Sidewalks should be landscaped with shade trees at an average of one tree every 50 feet; and
 - Crosswalks should be designated and coordinated to move people safely to and from buildings and through parking areas.

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Bicycle and Pedestrian Recommendations:

- Given the lack of pedestrian facilities along the corridor, it will be critical to provide internal pedestrian facilities and pedestrian crosswalks and signals at key locations across West Martintown Road and to any future transit stops.

Bicycle and Pedestrian Recommendations:

- The study area corridor has limited on-road bicycle opportunities. Additions to the on-road bicycle network will improve safety and comfort for bicyclists and may encourage more bicycling.
- Recommendations for bicycle facilities include:
 - Install bike lanes
 - Install shared lane markings
 - Seek opportunities to connect to the North Augusta Greenway

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Plan Adoption and Funding



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Plan Adoption and Funding

- Adoption of the plan helps to ensure it is developed as the City prefers
- Generally, without an adopted plan, projects are installed by developers as development occurs along the corridor as required by SCDOT with limited City input

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Plan Adoption and Funding

- Plan adoption helps staff facilitate project installation through regional, state and local transportation partners
- The City may use the plan to look at other funding options
- Staff currently plans to submit projects to ARTS
 - 5-10+ year funding horizon (minimum), ranked and scored against all other SC regional projects
- Local funding options

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Plan Adoption and Funding

- Planning Commission may provide a recommendation to the City Council regarding adoption and any other recommendations for implementation
- If adopted, plans will be forwarded to SCDOT (draft plans have been shared) and other regional transportation planning groups

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Request for Public Comment



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Public Comment

- Public comments may address the following, or provide other information:
 - General support or opposition to projects
 - Statement of a preference of order for projects
 - Recommendations for specific improvements or details related to projects
 - Recommendations for specific funding or resources related to projects

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Public Comment

- Initial Public Comments gathered April 9, 2020 thru June 18, 2020 (report in Appendix G)
- Additional Public Comment in process now (January, 2021)
 - Regular Mail: PO Box 6400, North Augusta, SC 29861-6400
 - Email: planning@northaugusta.net
 - Online: <http://www.northaugusta.net/MartintownRoadStudy>
 - Telephone: 803-441-4221

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