



East Terry Street Stormwater & Multi-Use Pathway

Old US 41 to Bonita Grande Drive

Neighborhood Meeting

August 15, 2024

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This presentation summarizes the proposed improvements associated with the East Terry Street Stormwater and Multi-Use Pathway project. A neighborhood meeting for the project will be held at on August 15th, 2024 from 4pm to 6pm at City Hall, 9101 Bonita Beach Road SE in Bonita Springs, Florida 34135

Title VI

This meeting is being conducted in accordance with the Civil Rights Act of 1964. Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status.

To express concern(s) relative to the City's compliance with Title VI, please contact one the following:

Brenda Reetz

City of Bonita Springs ADA Coordinator
(239) 949-6262

Brenda.Reetz@cityofbonitasprings.org

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Agenda

- Purpose & Need
- Funding
- Stormwater Improvements
- Multimodal Improvements
- Intersection Improvements
- Schedule



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The topics covered in this presentation include the purpose and need, followed by funding sources, detailing the various stormwater, multimodal, and intersection improvements, and then summarizing the schedule.

Purpose and Need



- Improve quality of life in Bonita Springs
- Stormwater resiliency
 - Flood relief for isolated areas
 - Pipe ditches along corridor
 - Improve cross drain capacity
 - Mitigate roadway overtopping
- Improved multimodal connectivity
 - Wider bicycle & pedestrian facilities
 - Safer road crossings
 - Safer intersections
 - Multimodal crossing of I-75

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Purpose & Need

Funding

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Multimodal

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The purpose of the project is to improve the quality of life in Bonita Springs by enhancing stormwater resiliency and improving multimodal connectivity.

The City experienced severe flooding during Hurricane Irma and the proposed stormwater improvements are targeted to reduce future flooding in the area.

Multimodal improvements include a 10' multi-use pathway along the south side of East Terry Street from Imperial Parkway to Bonita Grande Drive, 5-6' sidewalk on the north side from Imperial Parkway to Southern Pines Dr, bike lanes on East Terry Street from Morton Avenue to Bonita Grande Drive, and safer street crossings for cyclists and pedestrians. Intersection improvements are proposed at Imperial Parkway and Morton Avenue focused on safety and improved traffic flow.

Funding

- Community Development Block Grant - Mitigation Program
 - Hurricane Irma
 - \$16.8 million for design and construction
- City funds, if needed



Gov. Ron DeSantis presents a stormwater infrastructure grant to the City of Bonita Springs to address issues caused by Hurricane Irma.

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Purpose & Need

Funding

Stormwater

Multimodal

Intersections

Schedule

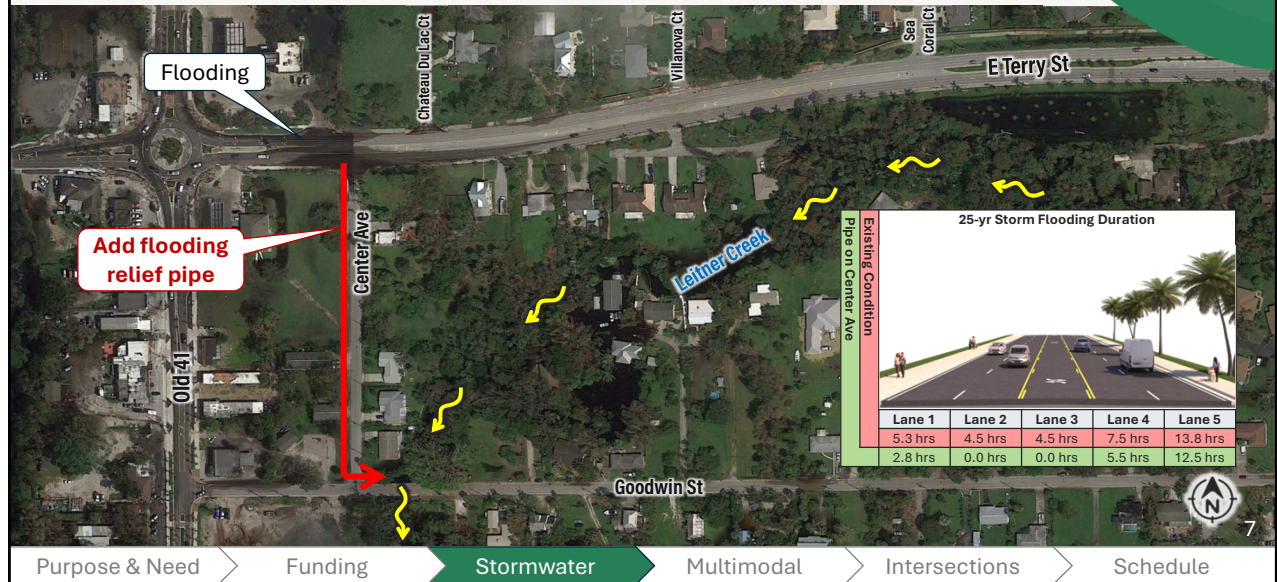
The City of Bonita Springs applied for and received a Community Development Block Grant through the Rebuild Florida Grant program in the amount of \$16.8 Million for the design and construction of these improvements.

Project Location Map

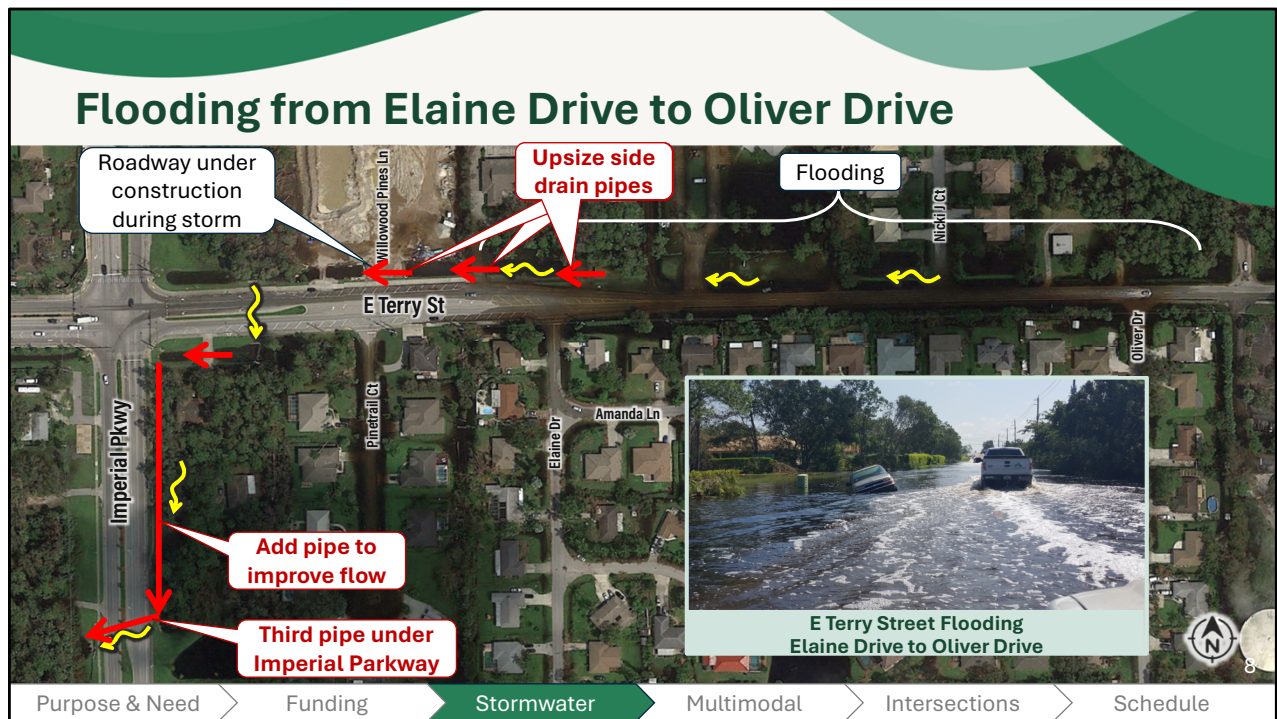


The project limits begin at Old 41 Road and run east to Bonita Grande Drive. The area between Center Avenue and Imperial Parkway is already improved so this project will focus on the areas in red.

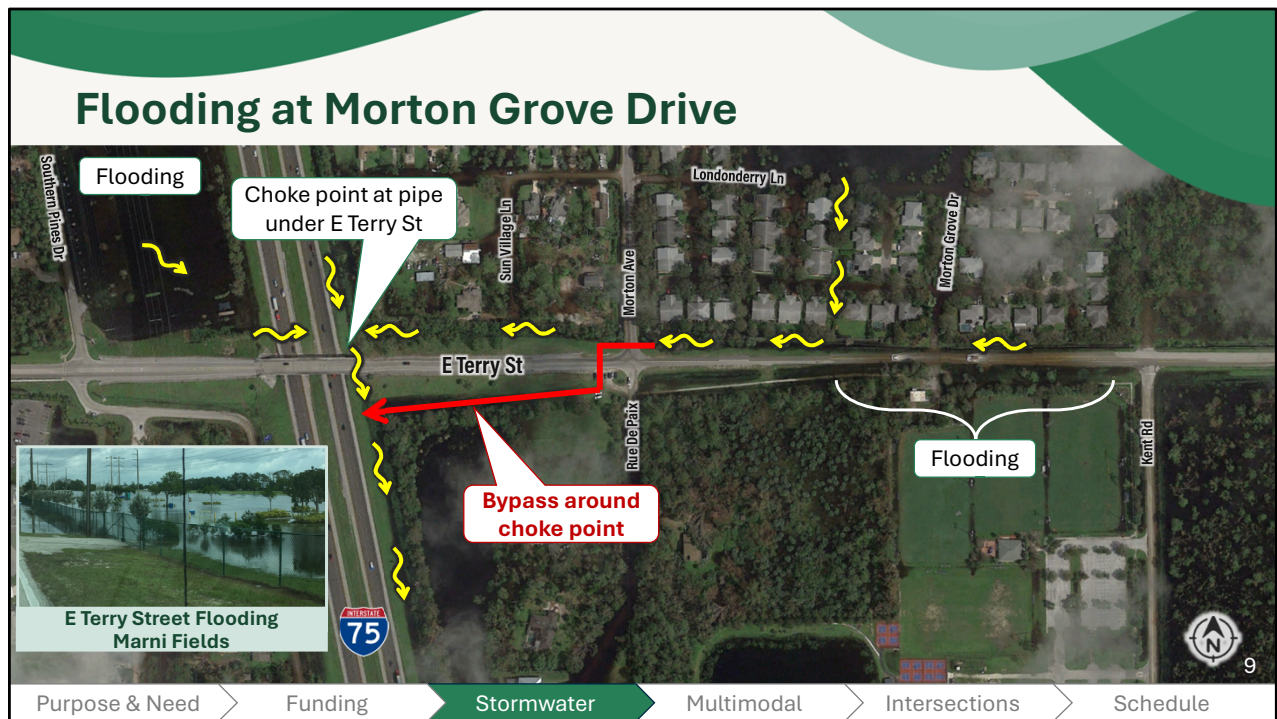
Flooding at Center Avenue



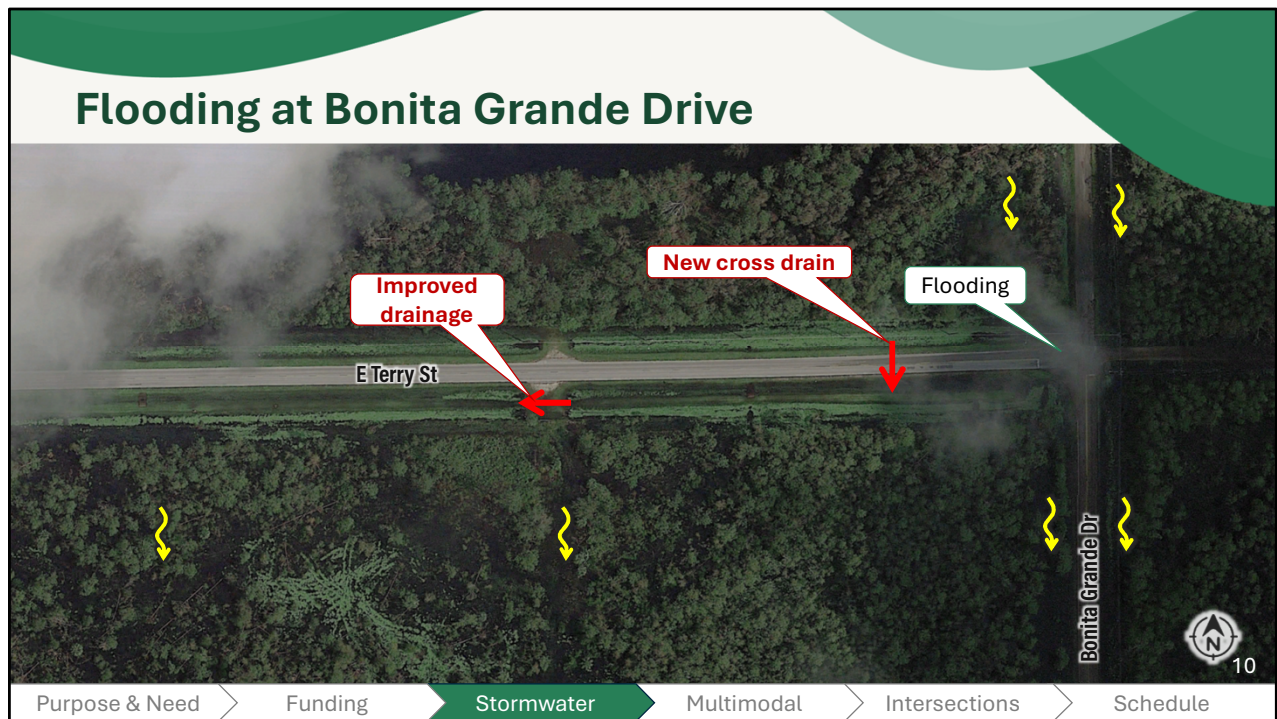
Flooding at the intersection of East Terry Street and Center Avenue will be mitigated by installing a new stormwater pipe draining south along Center Avenue and connecting to a storm drain system along Goodwin Street that outfalls to Leitner Creek. The table on the right shows how the proposed pipe will improve the flooding duration by lane on East Terry Street. You can see that two lanes will have no flooding while other lanes will have a much shorter flooding duration during a 25-yr storm event, similar to Hurricane Irma.



Flooding from Hurricane Irma from Elaine Drive to Oliver Street, as shown here, will be mitigated by upsizing key side drain pipes conveying runoff west towards Imperial Parkway. A proposed pipe along the east side of Imperial Parkway will improve conveyance south to the existing cross drain, that will be improved with an additional pipe under Imperial Parkway that eventually drains towards Leitner Creek.



Flooding occurred as a result of Hurricane Irma along East Terry Street between Morton Grove Drive and Bonita Grande Drive. Flooding at Morton Grove Drive will be mitigated by improving drainage west towards I-75. In the existing condition, runoff drains to I-75 along the north side of East Terry Street and encounters a choke point along I-75 under East Terry Street. To avoid the choke point, a new stormwater route is proposed on the south side of East Terry Street towards I-75.



Flooding at the intersection of East Terry Street and Bonita Grande Drive will be improved with a new 3'x7' cross drain under East Terry Street connecting the north and south sides of the road and by improving drainage at an adjacent side drain as shown on the slide.

Multimodal Improvements – West of I-75



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Multimodal improvements west of I-75 beginning at the intersection with Imperial Parkway include converting East Terry Street to a curbed section with a 5-6' sidewalk on the north side and a 10' multi-use path on the south side. Landscaping and irrigation will be provided along with lighting to improve aesthetics and safety for cyclists and pedestrians.

E Terry Street Bridge over I-75



Existing Condition

- 8' paved shoulders
- No dedicated pedestrian facility
- No physical separation from vehicles



Proposed Condition

- Reduce shoulders to 3'
- Frees funding for other amenities
- Adds aesthetic value

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Purpose & Need

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The existing 8' wide shoulders on the East Terry Street bridge over I-75 will be reduced to 3' in width to allow for a separated multi-use path on the south side of the bridge. An aesthetic railing will be installed to protect cyclists and pedestrians from vehicles. Pedestrian fencing will also be added on the south barrier wall of the existing bridge.

Multimodal Improvements – East of Kent Rd



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Purpose & Need

Funding

Stormwater

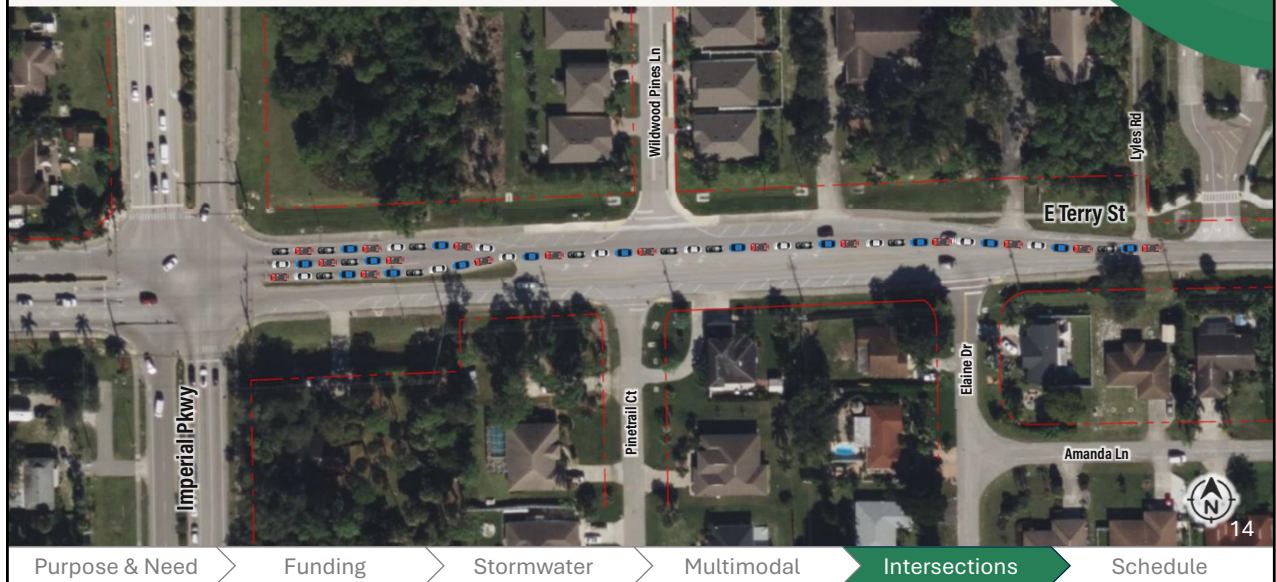
Multimodal

Intersections

Schedule

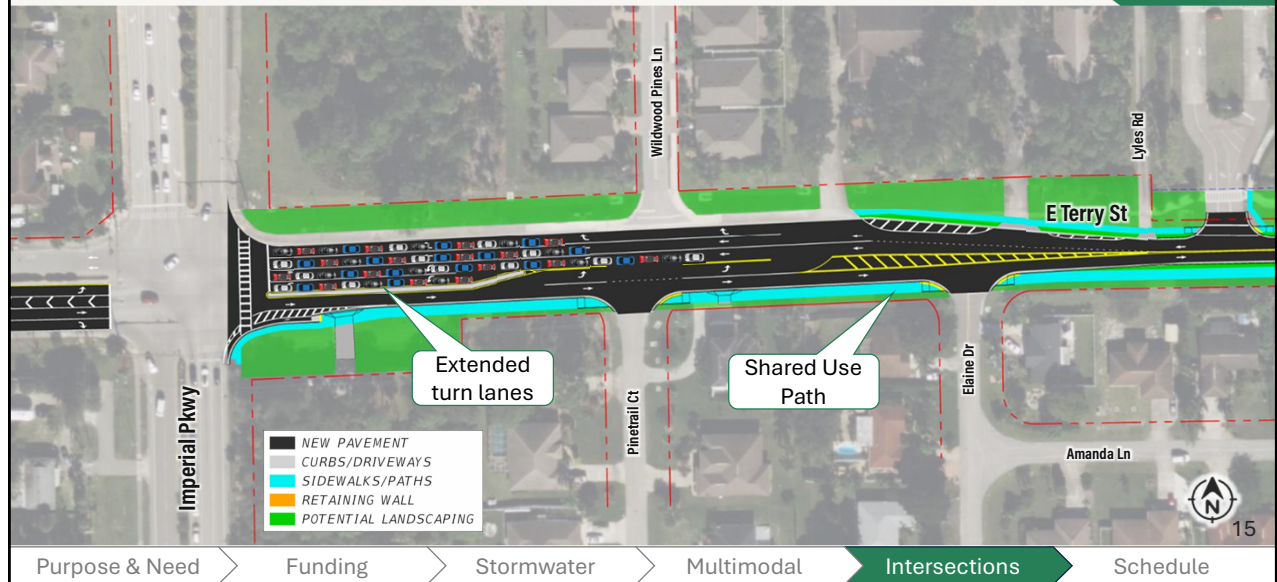
Multimodal improvements east of I-75 include adding paved bike lanes on both sides of East Terry Street east of Morton Avenue. A continuous multi-use path is also proposed on the south side of East Terry Street from I-75 to Bonita Grande Drive. Landscaping and irrigation is proposed to improve aesthetics and provide shade for cyclists and pedestrians. A retaining wall and handrail is necessary to preserve the stormwater capacity of the existing dual ditch system on the south side of East Terry Street.

Imperial Parkway Intersection (Existing)



In the existing condition, the westbound traffic on East Terry Street at Imperial Parkway intersection experiences severe congestion with regular queueing past Elaine Drive.

Imperial Parkway Intersection (Proposed)



This project will modify the westbound turning lanes at the intersection of East Terry Street at Imperial Parkway to provide dual westbound to southbound left turn lanes and a longer westbound right turn lane. These improvements will increase intersection capacity and substantially reduce backups.

Morton Avenue Intersection

- Public requests for intersection improvements
- High volume of eastbound (over I-75) rear end crashes
- High turning movement volumes
- High bicycle and pedestrian volumes

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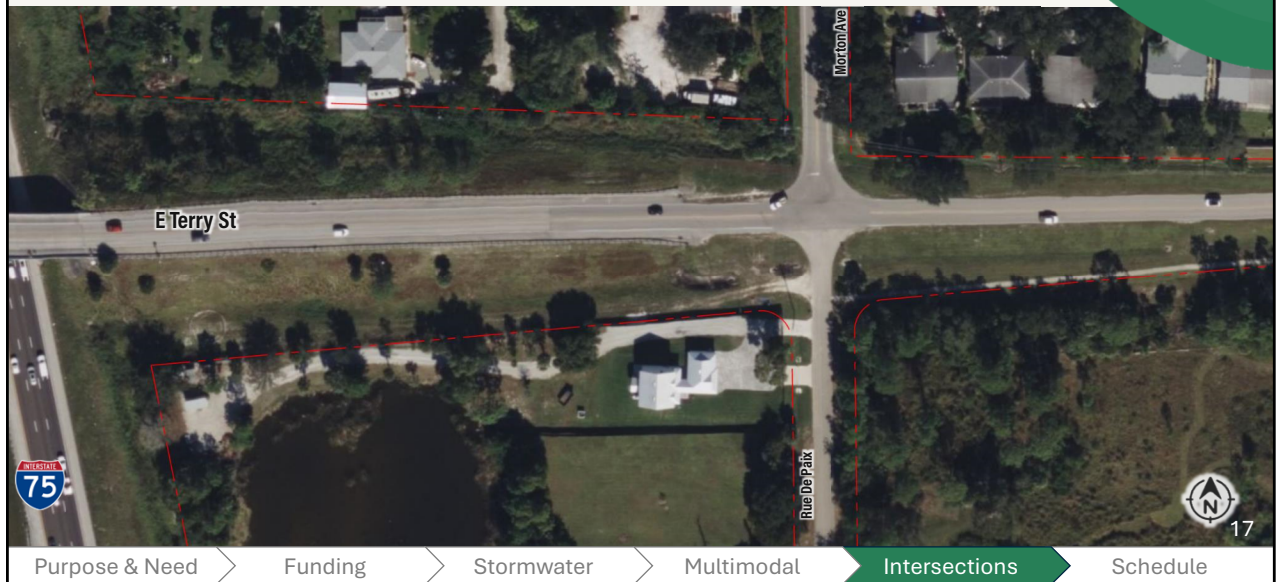
Multimodal >

Intersections

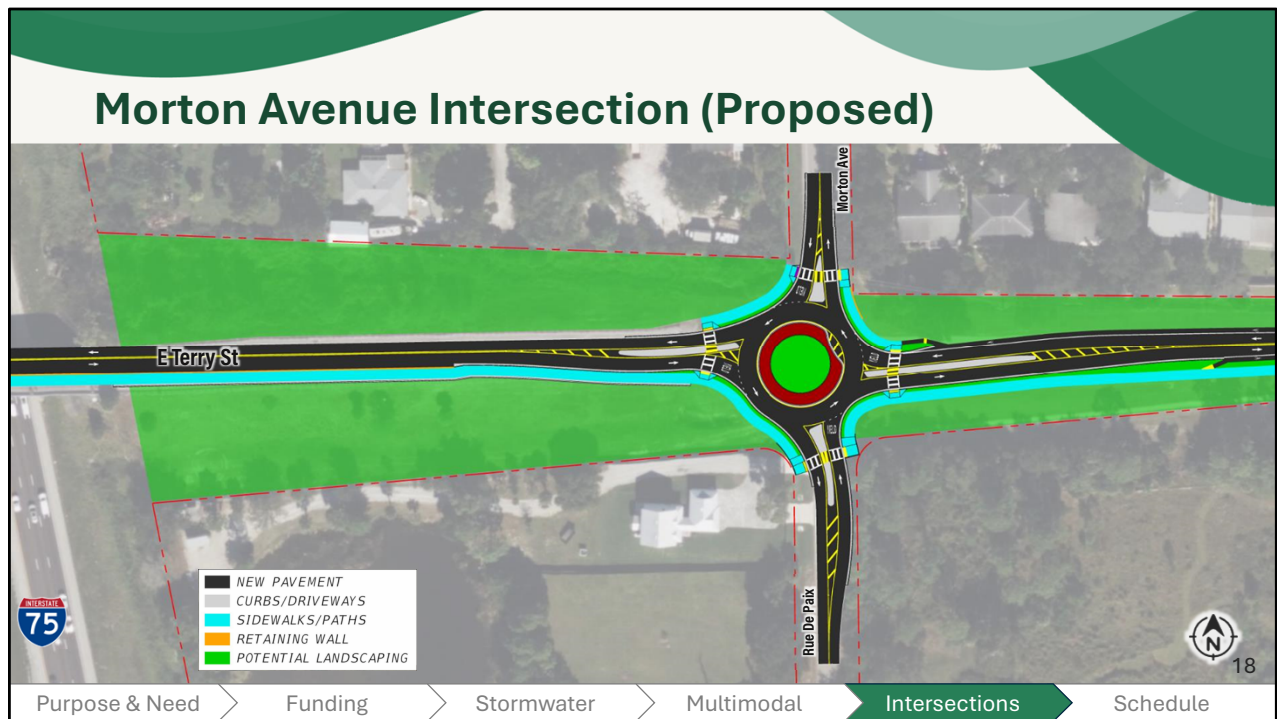
Schedule

Due to a high volume of rear end crashes in the eastbound direction, high turning movement volumes, and high bicycle and pedestrian volumes at the intersection of East Terry Street and Morton Avenue, a roundabout is being proposed.

Morton Avenue Intersection (Existing)



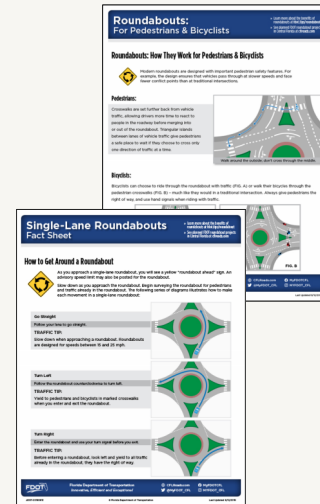
Currently, the existing intersection is 2-way stop controlled on the side streets with no turn lanes.



To create a new more fluid traffic flow at the intersection the project proposes a single lane roundabout replacing the existing intersection at East Terry Street and Morton Avenue.

Roundabouts and Safety

- 75% fewer injuries and 90% fewer fatalities
- 10-40% fewer pedestrian/bicycle crashes
- Pedestrian refuges and flashing beacons
- Reduced traffic delay compared to signal
- Reduced pollution, noise, and fuel
- Fully operational during power outages



Source: <https://www.fdot.gov/agencyresources/roundabouts/benefits.shtm>

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In addition to increasing the capacity of the intersection, roundabouts offer several safety improvements over a conventional 2-way-stop intersection. Roundabouts can reduce injuries by up to 75% and fatalities by up to 90%. They can reduce pedestrian and bicycle associated crashes by 10-40%. They provide a pedestrian and cyclist refuge at crosswalks, reduce vehicle pollution, and remain fully operational during power outages.

Schedule

Task	Status	Anticipated
Grant Agreement Execution	Completed	September 2022
Design	Progressing	Summer 2025
Preliminary Design Plans	Completed	May 2024
Final Design Plans	Ongoing	Summer 2025
Begin Construction	Pending Final Design	Winter 2025/26

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The design of the project is already underway with an estimated completion in the Summer of 2025. Once design is complete, a contractor will be procured and construction will begin in the Winter of 2025/2026. Construction is estimated to take 18-24 months.

How to Provide Your Input

- Neighborhood Meeting August 15, 2024
- Complete a comment form and drop it in the box in-person
- Mail comments to:
Elly McKuen, Sr. Project Manager
9101 Bonita Beach Road
Bonita Springs, FL 34135
- Email comments to:
elly.mckuen@cityofbonitasprings.org



Must be sent or postmarked by
August 31, 2024
to become part of the neighborhood
meeting record

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The neighborhood meeting on August 15, 2024 from 4pm to 6pm at City Hall at 9101 Bonita Beach Road is an opportunity for the community to ask questions and offer comments on proposed improvements. Project representatives will be available at the neighborhood meeting to provide more details and answer questions. There are several ways to comment as part of the neighborhood meeting record. If you are unable to attend the meeting on August 15, 2024, the City invites the community to visit www.EastTerryImprovements.com for more information.

- You may complete a comment card, available at the neighborhood meeting or on the project website

- You may email comments to the City's project manager at
Elly.McKuen@cityofbonitasprings.org

While comments are accepted at any time, comments must be received by August 31, 2024, for your comments to be included in the official public meeting record.