

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. # 0009576 **OFFICE** Design Policy & Support
Bibb County
GDOT District 3 - Thomaston **DATE** September 11, 2013
SR 22/US 80 @ CR 33/Holley Road
Roundabout Detour

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED DETOUR REPORT

Attached is the approved Detour Report with Notice of Detour Approval for the above subject project.

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Thomas Howell, District Engineer
Bill Rountree, District Preconstruction Engineer
Jack Reed, District Planning & Programming Engineer
Kraig Collins, Area Engineer - D3, A4
Perry Black, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I.0009576, Bibb County OFFICE Program Delivery
 0009576
 SR 22/US 80 @ CR 33/Holley Road-Roundabout DATE August 23, 2013

FROM Genetha Rice-Singleton, State Program Delivery Engineer
Genetha Rice-Singleton

TO Brent Story, Transportation Engineer-Administrator, Design Policy & Support

SUBJECT Detour Approval

Description and Project Proposal: The proposed project would include a replacement of the at-grade intersection at SR 22/US 80 and CR 33/Holley Rd. beginning at MP 3.75 and ending at MP 4.03 in Bibb County for a project length of 0.28 mile. Located approximately one mile east of Lizella, Ga. and approximately twelve miles west of Macon, Ga., the roadway approaches to the roundabout on SR 22 will consist of a rural section with 12-ft travel lanes and 10-ft outside shoulders, of which 8-ft paved with open ditch drainage. At the entrance of the roundabout, it will transition to an urban section with a divided roadway with variable width travel lanes separated by a concrete median with curb and gutter on the outside. Splitter islands will be utilized at the entrance to the roundabout to separate entering and exiting traffic streams and assist in channelizing the vehicles through the roundabout. The roundabout configuration would consist of a 160-ft. inscribed circle diameter with a 20-ft single lane circulatory roadway width. This results in a 120-ft diameter central island including a 20-ft. wide traversable truck apron that would accommodate truck turning movements. Curb and gutter is provided along the inside of the truck apron. Curb and gutter with 5-ft sidewalk will be provided on the outside of the roundabout. The roadway approaches to the roundabout on Holley Road will consist of a rural section with 12-ft. travel lanes, 10-ft outside shoulders of which 2-ft is paved with open ditch drainage. As the roadway approaches the roundabout, it will transition to an urban section with a divided highway with variable width lanes separated by a concrete median with curb and gutter on the outside.

The construction of the roundabout will require two closures executed at separate times during construction. CR 33/Holley Road will require closure south of SR 22 and closure north of SR 22.

The portion of CR 33/Holley Road south of SR 22 will be closed at the intersection south to the driveway of the Lizella market, approximately 300 ft south of the intersection with SR 22. This closure is expected to be in place for 90 days.

The proposed detour for the closure of CR33/Holley Road south of SR 22/US 80 will direct westbound traffic south onto Tidwell Road to the intersection of Bethel Church Road. The traveling public will then be directed west on Bethel Church Rd until the intersection with Columbus Rd. Travelers will proceed north on Columbus Rd until they return to SR 22, just west of the project area. Eastbound travelers will be directed south on Columbus Road until the intersection of Redding Way. From the intersection at Redding Way, travelers will be directed east on Redding Way and Bethel Church Road until Tidwell Road. Travelers will then proceed north on Tidwell Road until they return to SR 22, just east of the project area. CR 33/Holley Road south of SR 22/US 80 will be closed for 90 calendar days

The portion of CR 33/Holley Road north of SR 22 will be closed at the intersection north to the intersection of Redding Way/Bethel Church Road, approximately 200 north of the SR 22 intersection. This closure is expected to be in place for 30 days.

The closure of CR 33/Holley Road north of SR 22 will detour westbound traffic north onto Tidwell Road to the intersection of Columbus Road. The traveling public will then be directed west on Columbus Road until they return to SR 22, just west of the project area. Eastbound travelers will be directed north on Columbus Road where they can access Holley Road or continue to the intersection of Tidwell Road. Travelers will then be directed south on Tidwell Road until they return to SR 22, just east of the project area. CR 33/Holley Road north of SR 22/US 80 will be closed for 30 calendar days.

Concept Approval Date: October 25, 2011

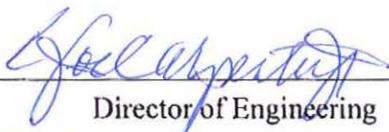
Reason a Detour is required: From conversations with residents living in the area, it was discovered that there was a trucking business just south of the project intersection and a truck driver that uses his residence as home base for his trucking business that lives just north of the project intersection. Because of these additional factors along with compiled traffic data it was decided to utilize concrete to construct the roundabout circle instead of asphalt to give more stability. To facilitate the placement and curing of the proposed concrete roundabout, more detailed staging will be needed which required closing of portions of CR 33/Holley Rd. An onsite detour was considered but there was not enough area in the project limits to utilize an onsite detour. The project is being constructed on existing right-of-way. A right-of-way phase would need to be programmed before additional right-of-way could be acquired. Also there are wetlands located in the northeast quadrant of the project that would restrict the utilization of an onsite detour.

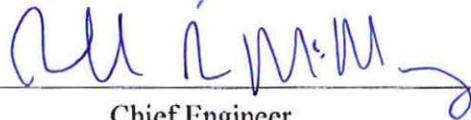
Environmental Assessment of the proposed detour route: The detour route was discussed and evaluated in the Categorical Exclusion Document and was approved by FHWA on August 20, 2012.

Public Information Meeting for Proposed Detour (Detour Meeting) Results:

- **Detour Meeting**
 - **Detour meeting synopsis:**
 - The Detour Meeting was held on November 10, 2011 at Lizella Baptist Church 2950 South Lizella Road, Lizella Ga. 31052. No specific comments were made pertaining to the detour.
 - From those attending: one opposed; seven in support; one uncommitted and zero conditional.
 - A total of nine comments were received.
 - A total of 42 people attended the public detour open house.
 - There were no major changes made as result of the comments received at the public detour open house.

Recommendations: Approval of this detour request is recommended to facilitate the construction of the proposed roundabout.

CONCUR:  9/4/2013
Director of Engineering

APPROVE:  9/4/13
Chief Engineer Date of Approval

If there are any questions please contact Perry Black of this Office at (404) 631- 1224.

^{AVS}
GRS:AVS:pb

Attachments:

- Proposed Notice
- Location Sketch of each detour route studied
- Public Information Meeting for Proposed Detour comments cards
- Public Information Meeting for Proposed Detour Transcript.

NOTICE OF DETOUR APPROVAL

*SR 22 @ HOLLY RD, BIBB COUNTY
P. I. NO. 0009576*

Notice is hereby given that the Georgia Department of Transportation has approved the use of and the routing of the detour of this project.

The date of the detour approval is: September 11, 2013.

The proposed project would include a replacement of the at-grade intersection at SR 22/US 80 and CR 33/Holley Rd. beginning at MP 3.75 and ending at MP 4.03 in Bibb County for a project length of 0.28 mile. Located approximately one mile east of Lizella, Ga. and approximately twelve miles west of Macon, Ga., the roadway approaches to the roundabout on SR 22 will consist of a rural section with 12-ft travel lanes and 10-ft outside shoulders, of which 8-ft paved with open ditch drainage. At the entrance of the roundabout it will transition to an urban section with a divided roadway with variable width travel lanes separated by a concrete median with curb and gutter on the outside. Splitter islands will be utilized at the entrance to the roundabout to separate entering and exiting traffic streams and assist in channelizing the vehicles through the roundabout. The roundabout configuration would consist of a 160-ft. inscribed circle diameter with a 20-ft single lane circulatory roadway width. This results in a 120-ft diameter central island including a 20-ft. wide traversable truck apron that would accommodate truck turning movements. Curb and gutter is provided along the inside of the truck apron. Curb and gutter with 5-ft sidewalk will be provided on the outside of the roundabout. The roadway approaches to the roundabout on Holley Road will consist of a rural section with 12-ft. travel lanes, 10-ft outside shoulders of which 2-ft is paved with open ditch drainage. As the roadway approaches the roundabout it will transition to an urban section with a divided highway with variable width lanes separated by a concrete median with curb and gutter on the outside.

The construction of the roundabout will require two closures executed at separate times during construction. CR 33/Holley Road will require closure south of SR 22 and closure north of SR 22.

The portion of CR 33/Holley Road south of SR 22 will be closed at the intersection south to the driveway of the Lizella market, approximately 300 ft south of the intersection with SR 22. This closure is expected to be in place for 90 days.

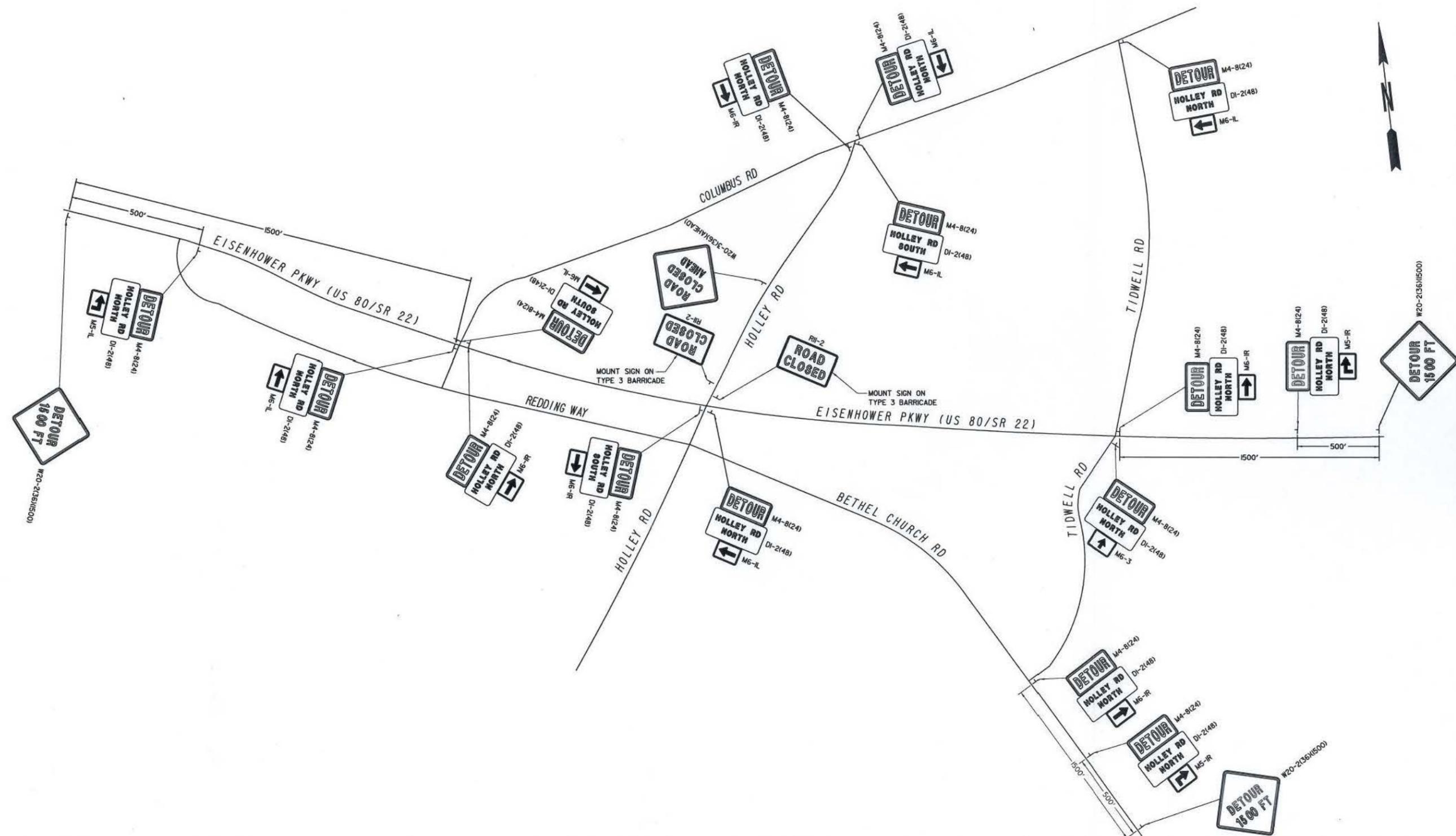
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Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Perry Black
peblack@dot.ga.gov
600 W. Peachtree Street NW
Atlanta Ga. 30306
404-631-1224



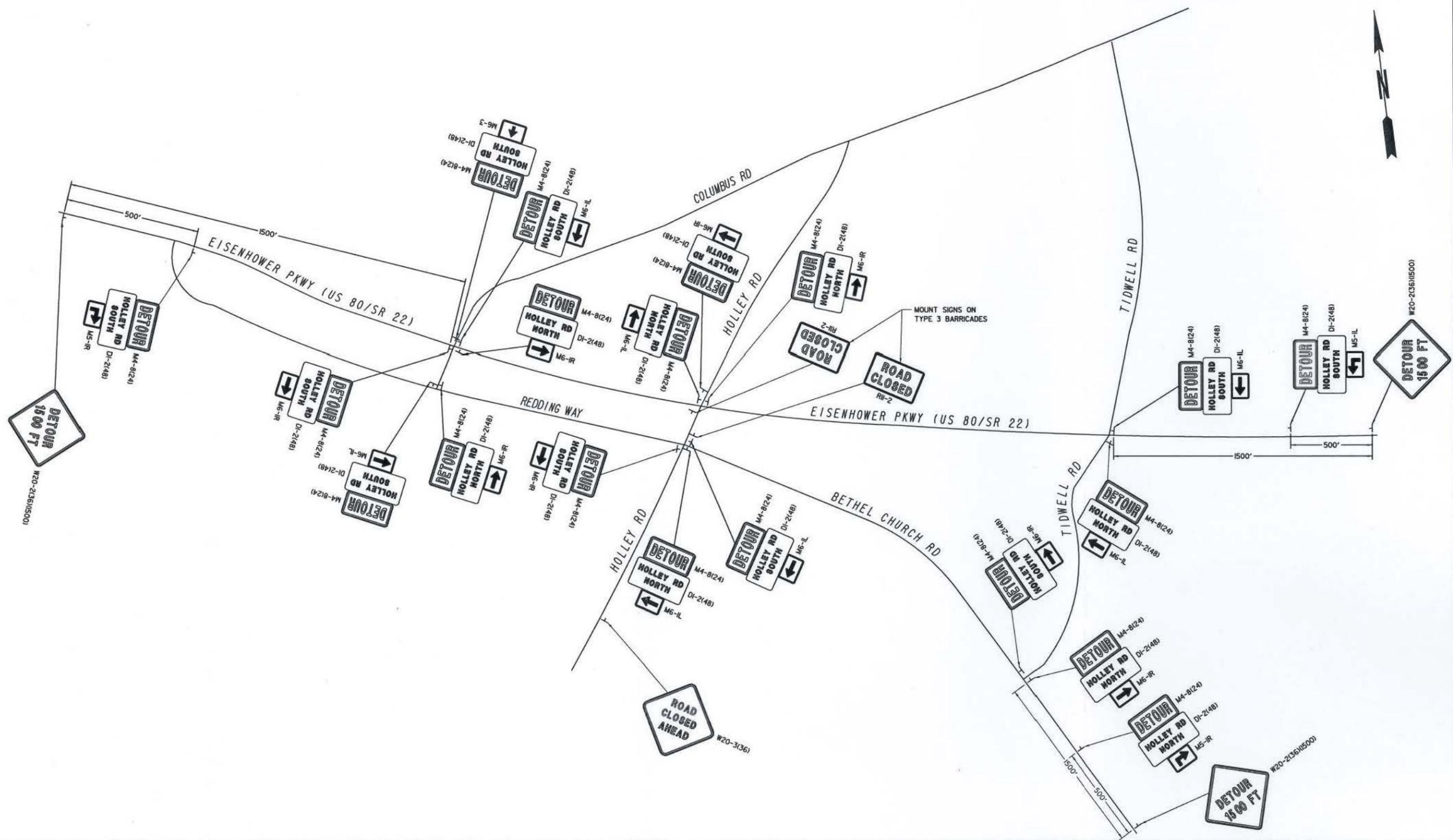
ATKINS

- NO SCALE -

| REVISION DATES |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
STAGING DETAILS
DETOUR MAP - HOLLEY RD NORTH

DRAWING No.
20-002



ATKINS

- NO SCALE -

| REVISION DATES |
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STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
STAGING DETAILS
 DETOUR MAP - HOLLEY RD SOUTH
 DRAWING No. 20-001

Georgia Department of Transportation

Detour Open House Comment Card

P.I. No. 0009576, Bibb County

Please print responses.

Name _____

Address _____

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you. _____

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor
Atlanta, Georgia 30308

1

Georgia Department of Transportation

Detour Open House Comment Card

P.I. No. 0009576, Bibb County

Please print responses.

Name JOSEPH WALLACE

Address 1335 WILLIAMSON COURT
UZELLA, GA. 31052

Do you support the proposed detour? For Against Conditional Uncommitted

Comments AS PROPOSED AND EXPLAINED I THINK THIS NEW ROAD
PLAN WOULD BE VERY GOOD.

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

THE DETOUR WAS EXPLAINED TO MY SATIFIKATION AND I UNDERSTAND
IT BETTER NOW.

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

Georgia Department of Transportation

Detour Open House Comment Card

P.I. No. 0009576, Bibb County

Please print responses.

Name Amy Moncrief

Address 3719 A Holley Rd
Lizella GA 31052

Do you support the proposed detour? For Against Conditional Uncommitted

Comments

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

3

Georgia Department of Transportation
Detour Open House Comment Card
P.I. No. 0009576, Bibb County

Please print responses.

Name RONNIE HEALD
Address 2663 Bonner G. Herbert Rd
Lizella, GA

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you. _____

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

Georgia Department of Transportation
Detour Open House Comment Card
P.I. No. 0009576, Bibb County

Please print responses.

Name Billy B. Spier
Address 3571 West Point Cir
Wells GA 31252

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other _____

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Mail To:
Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

Georgia Department of Transportation

5

Detour Open House Comment Card

P.I. No. 0009576, Bibb County

Please print responses.

Name Lynne Watts

Address 4581 Holley Rd

Lizella GA 31052

Do you support the proposed detour? For Against Conditional Uncommitted

Comments Is this plan one that has been proven effective to reduce accidents/deaths?
Will check more info & round about @ Culloden-

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth
 Other

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Not a real meeting - Why is this a change
a benefit? Why not add caution
lights before reaching intersection?

Mail To:

Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

6

Georgia Department of Transportation

Detour Open House Comment Card

P.I. No. 0009576, Bibb County

Please print responses.

Name Ray Mangham

Address 2567 S. ALCO Cir

Do you support the proposed detour? For Against Conditional Uncommitted

Comments Worthless, waste of money

How did you hear about this meeting? Radio Newspaper Signs Word of Mouth Other

Was the location of the meeting convenient for you to attend? Yes No

If no, please suggest a general location that is more convenient to your community.

Was the time of the meeting convenient for you to attend? Yes No

If no, please suggest a time frame that is more convenient for you.

Were your questions answered by GDOT personnel? Yes No

Do you understand the detour after attending this meeting? Yes No

Mail To:

Mr. Glenn Bowman, P.E., State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street, NW - 16th Floor

7

Comments

[review](#) [add](#) [update](#) [delete](#)

CommentReview

Comments Pending Responses for Project ID: 0009576
Open House Date: 11/10/2011

First Name: Beatrice Last Name: Moran
E-Mail: bmoran19@cox.net
Address: 3864 Holley Rd.
City: Lizella State: GA Zip: 31052
Category: Planning

Comment: I personally attended the meeting on Nov. 10th and was impressed with the time and attention the Representatives from DOT gave to those of us who took the time to come out to get an understanding of the proposal for Holley rd and Hwy 80. I personally approve of the "Round about" as a remedy for the dangerous intersection in my neighborhood. It can not happen soon enough. I do pray that we will be a part of the \$54 million projected for highway projects. We do not want to see anyone else mamed or killed at this intersection. I fear for my life everytime I approach the intersection.

[return](#) [edit](#) [respond now](#) [forward](#)

GEORGIA DEPARTMENT OF TRANSPORTATION
PUBLIC HEARING

COPY

TRANSCRIPT OF HEARING

RE: P.I. NO. 0009576
THE PROPOSED SR 22/HOLLEY ROAD ROUNDABOUT PROJECT

November 10, 2011
5:00 p.m. - 7:00 p.m.

Lizella Baptist Church
2950 South Lizella Road
Lizella, Georgia 31052

WENDY JO LEDBETTER, CCR - 2834
HAPPY FACES COURT REPORTING SERVICES
P.O. BOX 1063
TUCKER, GEORGIA 30085
(770) 414-9071

A F F I D A V I T

GEORGIA DEPARTMENT OF TRANSPORTATION

PUBLIC HEARING

1
2
3
4 RE: THE PROPOSED PROJECT WOULD :
5 INCLUDE THE REPLACEMENT OF THE AT- :
6 GRADE INTERSECTION AT SR 22 AND :
7 HOLLEY ROAD WITH A ROUNDABOUT :
8 CONFIGURATION. THE PROPOSED :
9 ALIGNMENT WOULD UTILIZE EXISTING :
10 PAVEMENT ALONG ALL FOUR APPROACHES :
11 WHERE FEASIBLE TO REDUCE IMPACTS. :
12 APPROXIMATELY 0.61 MILES IN LENGTH.:

13
14 STATE OF GEORGIA
15 COUNTY OF HOUSTON

16 I, Wendy Jo Ledbetter, hereby certify that I appeared and
17 was available for public comments to be made on record between
18 5:00 and 7:00 p.m. on November 10, 2011, at Lizella Baptist
19 Church in Lizella, Georgia. I hereby attest to the fact that
20 the following verbal comments were made to me for inclusion in
21 this transcript: 8

22 James C. Hartley, 3200 Oak Valley Drive, Lizella, GA 31052

23 I'd just like to speak in favor of the roundabout. I am
24 not an advocate for wild government spending and not
25 necessarily an advocate for a roundabout being built at every

1 dangerous intersection, however I do believe that this
2 intersection, like GA 74 and Lamar Road and GA 341, is a unique
3 safety hazard. I've driven that intersection for many years.
4 I've almost been involved in a number of accidents there
5 myself. My son was involved in an accident there years ago
6 and, thank God, he had gotten almost across the lane before the
7 car struck him and spun him around. It didn't t-bone him,
8 therefore he wasn't hurt. However, on January 1st, 2008, my
9 mother-in-law was killed at that intersection. My father-in-
10 law, a very experienced driver who has driven millions of miles
11 the past several decades all over the country, was traveling to
12 our house for New Year's dinner. After driving all that way
13 and getting to within a block of our house, he was traveling
14 east -- I'm sorry, traveling west -- on Eisenhower and making a
15 turn south onto Holley Road he turned directly into the path of
16 a big SUV coming the other way and they were t-boned, and my
17 mother-in-law lost her life after a long battle with paralysis
18 in the ICU and the nursing home. My observation, after my
19 experiences both personal and with my son and my father-in-law,
20 and after witnessing accidents and the aftermath of many
21 accidents there, it appears that the grade, the particular
22 grade, of US 80 has something to do with a lot of these
23 accidents. The grade is such that vehicles traveling east on
24 Eisenhower at particular times of the day and in certain
25 lighting blend into the road. Folks think they are paying

1 attention, they just don't see those cars, they just don't see
2 those cars, and especially if they're going above the speed
3 limit and usually they are. It's such that the time -- about
4 the time they see the vehicle they're already on them, they've
5 already been hit. It's just a unique spot and I would
6 certainly advocate the funds being allocated for this to be
7 built to save many, many lives. And I thank you. If you need
8 any more information, give me a call.

9 George Wesley Peavy, 7568 Columbus Road, Lizella, GA 31052

10 I'm Wesley Peavy and I'm in favor of this traffic circle.
11 I think it's designed fine. My only concern is that the design
12 incorporate landscaping, and when it's designed that they
13 consider -- I think the completed design calls for a grassed
14 area in the center. I believe it would be better served if it
15 was completely concreted with some kind of decorative stand
16 concreted with maybe a message like welcome to Bibb County or
17 welcome to Lizella, something like that. If that could be
18 considered in the design of the circle, that is my only
19 comment.

20 This the 26th day of November, 2011.

21
22
23
24
25



Wendy Jo Ledbetter, CCR

Certificate No.: 2634

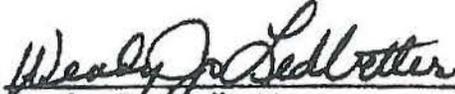
C E R T I F I C A T E

STATE OF GEORGIA
COUNTY OF HOUSTON

I, Wendy Jo Ledbetter, hereby certify that the foregoing transcript, pages 1 through 4, are a true, correct, and complete record of the said proceedings; that I am not a relative, employee, attorney, or counsel of any of the parties, nor am I financially interested in this action.

This certificate is expressly withdrawn and denied upon the disassembly or photocopying of the foregoing transcript of proceedings or any part thereof, including any attached exhibits, unless said disassembly or photocopying is done by the undersigned Certified Court Reporter and the original signature and seal is attached thereto.

WITNESS my hand and seal this 26th day of November, 2011.



Wendy Jo Ledbetter
Certified Court Reporter
Certificate No.: 2634

(SEAL)

Keith Golden, P.E., Commissioner



GEORGIA DEPARTMENT OF TRANSPORTATION

One Georgia Center, 600 West Peachtree Street, NW
Atlanta, Georgia 30308
Telephone: (404) 631-1000

May 11, 2012

Sample
Response
Letter

Joseph Wallace
1235 Williamson Court
Lizella, GA 31052

Re: P.I. No. 0009576, Bibb County, Proposed SR 22/US 80 at CR 33/Holley Road Roundabout
Responses to Comments from the Detour Open House held on November 10, 2011

Dear Mr. Wallace,

Thank you for your comments concerning the proposed project referenced above. We appreciate your participation and all of the input that was received as a result of the "Detour" Open House. Every written comment received and verbal comment given to the Court Reporter at the Open House will be made part of the official record of the project.

A total of 42 people attended the Open House. Of the nine (9) respondents who formally commented, seven (7) were in support of the project, one (1) was opposed, one (1) was uncommitted, and none expressed conditional support.

The Open House attendees and those persons sending in comments afterwards raised the following questions and concerns. The Georgia Department of Transportation (GDOT) has prepared this one response letter that addresses all comments received so that everyone can be aware of the concerns raised and the responses given. Please find the comments summarized below (*in italics*) followed by our response.

- *Four (4) citizens feel that the proposed project would be a benefit.*

All comments received are sincerely appreciated.

- *One (1) citizen wanted to know if the final design would incorporate a grassed center for the roundabout. It was suggested that the center of the roundabout could be concrete with a "Welcome to Lizella" or "Welcome to Bibb County" sign placed in the center of the roundabout.*

Landscaping will be provided within the central island of the roundabout as a part of the project's design. The use of landscaping in the central island provides visual awareness of the roundabout location from a distance, and it also helps encourage slower speeds through the roundabout. At this time, the GDOT does not plan to add any rigid structures (such as Welcome Signs) to the interior of the roundabout as a part of this project.

- *One (1) citizen questioned the effectiveness of a roundabout to reduce accidents and deaths. It was asked if a caution light before the intersection could be used rather than the roundabout.*

The GDOT believes the proposed roundabout would be the most appropriate design at this location. It is important to note that a 2001 Institute study of 23 intersections in the United States showed that converting intersections from traffic signals or stop signs to roundabouts reduced injury crashes by 80 percent and all crashes by 40 percent.¹ Similar results were reported by Eisenman et al.: a 75 percent decrease in injury crashes and a 37 percent decrease in total crashes at 35 intersections that were converted from traffic signals to roundabouts.² Studies of intersections in Europe and Australia that were converted to roundabouts have reported 41-61 percent reductions in injury crashes and 45-75 percent reductions in severe injury crashes.³

¹Persaud, B.N.; Retting, R.A.; Garder, P.E.; and Lord, D. 2001. Safety effect of roundabout conversions in the United States: empirical Bayes observational before-after study. *Transportation Research Record* 1751:1-8.

²Eisenman, S.; Josselyn, J.; List, G.; Persaud, B.; Lyon, C.; Robinson, B.; Blogg, M.; Waltman, E.; and Troutbeck, R. 2004. Operational and safety performance of modern roundabouts and other intersection types. Final Report, SPR Project C-01-47. Albany, NY: New York State Department of Transportation.

³Federal Highway Administration, 2000. Roundabouts: an informational guide. Report no. RD-00-067. Washington, DC: US Department of Transportation.

Again, thank you for your comments concerning this project. Should you have any further questions, comments, or concerns, please call the project manager, Perry Black, at 404-631-1224 or the environmental analyst, Jonathan Cox, at (404) 631-1197.

Sincerely,



Glenn Bowman, P.E.
State Environmental Administrator

GB/jc/srd

cc: Perry Black, GDOT Project Manager