

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007076, Rockdale County **OFFICE:** District 7
Project No. CSBRG-0007-00(076) **DATE:** 8/18/2010
Bridge Replacement for Irwin Bridge Road (CR 442) over Yellow River

FROM: *BM* Bryant Poole, Metro District Engineer
TO: Brent Story, PE, State Design Policy Engineer
SUBJECT: **Detour Approval**

Description and Project Proposal: This project involves replacing the existing bridge over the Yellow River on Irwin Bridge Road in Rockdale County and improving the approaches on either side of the bridge.

The proposed road improvements begin on Irwin Bridge Road approximately 325 feet south of the existing bridge and end 375 feet north of the existing bridge on Irwin Bridge Road for a total project length of 1030 feet. The proposed typical section for Irwin Bridge Road will consist of (2) 12'-0" lanes with 10'-0" rural shoulders. The bridge will be replaced with a structure that is 43'-3" wide to allow for (2) 12'-0" travel lanes and (2) 8'-0" rural shoulders and standard bridge barriers on both sides.

Concept or Concept Update Approval Date: 3/31/2010

Reason a detour is required: The proposed construction method that allows for the least amount of required right of way and the shortest construction time is an off-site detour. Using an off-site detour allows the new bridge to be constructed on the same tangent alignment as the existing bridge.

Pros: Least amount of right of way required, shortest construction time and use of same tangent alignment as the existing bridge.

Cons: Portions of route have substandard curves

Cost: \$2,831,341

Other alternatives considered:

- On-Site Detour – requires a temporary detour bridge built parallel to the existing bridge.

Pros: Maintain traffic during construction.

Cons: Construction time for this alternate would be longer and required right of way impacts will increase.

Cost: \$4,291,456

- Staged Construction On-Site - requires that the proposed bridge replacement be partially constructed to a width that would allow (1) 11'-0" lane in either direction on the first stage of construction with approaches that would be the same length and have the same impact as the on-site detour. Another option for staged construction would be to place two temporary

traffic signals on either side of the bridge site and keep 1 lane open for both directions being controlled by the traffic signal. This option would reduce right of way impacts but increase construction costs.

Pros: Maintain traffic during construction.

Cons: Construction time for this alternate would be considerably longer.

This alternate will result in a slight final alignment offset from the existing alignment.

Cost: \$4,170,456

- Offset Alignment - has the same issues as the staged construction and the preferred on-site detour with a slightly higher required right of way impact. The environmental impact would be higher than the on-site detour.

Pros: Maintain traffic on existing bridge during construction.

Cons: Introduces s-curves into an otherwise tangent alignment.

Cost: \$3,079,705

Environmental Assessment of the proposed detour route: See attached letter from Office of Environmental Services

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

- Detour Meeting
 - April 21, 2010 – The Apostolic Church Revival Center, 1882 Irwin Bridge Road, Conyers, GA
 - Comment Summarization: Concerns that the previously proposed on-site detour is no longer used and contractor incentives should be added for early completion and penalties for late completion.
 - Number of comments supporting the project: 5
 - Number of comments opposing the project: 3
 - An “AGAINST” attendee felt that the previous plan to use an on-site detour should be used instead of the off-site detour.
 - Number of uncommitted comments: 1
 - An “UNCOMMITTED” attendee expressed a desire to add incentives for the contractor to complete the job early and penalties for late completion.
 - Number of conditional support comments: 1
 - Total number of comments received: 10
 - Total number of attendees: 27
 - Officials: Roger Heatley – Rockdale County
 - Miguel Valentin – Rockdale County
 - Phil Budensiek – Rockdale County Board of Education

- Major changes as a result of the comments received: No major changes were made as a result of the comments received.

Recommendations: We recommend approval of the detour.

RECOMMEND: 
Director of Engineering

APPROVE: 
Chief Engineer

8/27/10
Date of Approval

Attachments:

- Proposed Notice.
- Location sketch of each detour route studied.
- Public Information Meeting for Proposed Detour comment cards.
- Letter from Office of Environmental Services

NOTICE OF DETOUR APPROVAL

PROJECT NO. CSBRG-0007-00(076)

P.I. NO. 0007076

ROCKDALE COUNTY

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

The date of detour approval is Sept 2, 2010

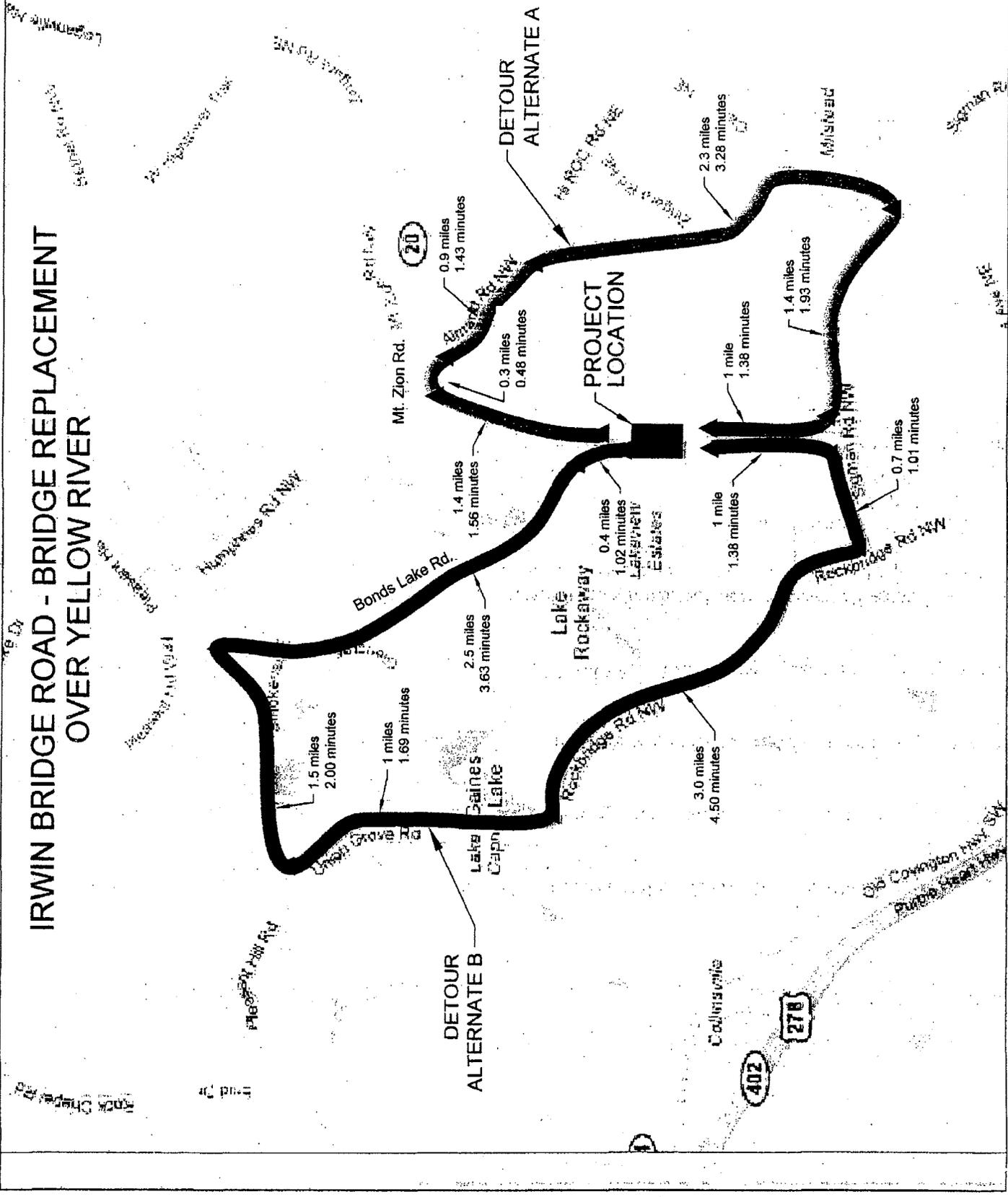
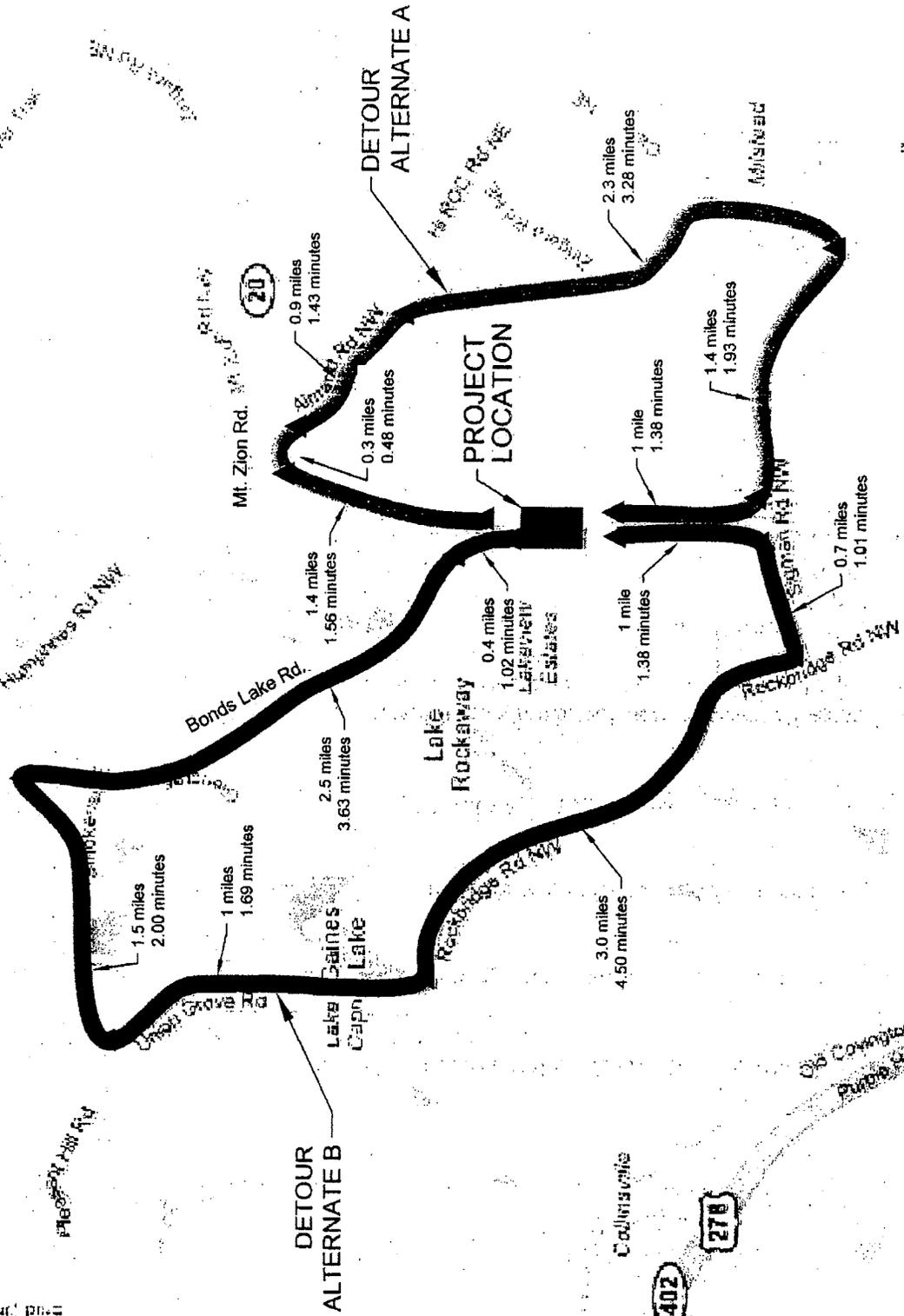
This project involves replacing the existing bridge over the Yellow River on Irwin Bridge Road in Rockdale County and improving the approaches on either side of the bridge. The proposed road improvements begin on Irwin Bridge Road approximately 325 feet south of the existing bridge and end 375 feet north of the existing bridge on Irwin Bridge Road for a total project length of 1030 feet. The proposed typical section for Irwin Bridge Road will consist of (2) 12'-0" lanes with 10'-0" rural shoulders. The bridge will be replaced with a structure that is 43'-3" wide to allow for (2) 12'-0" travel lanes and (2) 8'-0" rural shoulders and standard bridge barriers on both sides.

The proposed detour route begins at the south end of the project and follows Sigman Road eastward to SR 20. At SR 20, the detour route will continue north on SR 20 to the Hi Roc Road and SR 20 intersection. The detour route then goes westward on Almand Road/ Mt. Zion Road to the intersection of Mt. Zion Road and Irwin Bridge Road, which is the northerly terminus.

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

Mike Lobdell
5025 New Peachtree Rd.
Chamblee, GA 30341
770-986-1257
mlobdell@dot.ga.gov

IRWIN BRIDGE ROAD - BRIDGE REPLACEMENT OVER YELLOW RIVER



Georgia Department of Transportation

Open House Comment Card

PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses.

Name Shelby Abernathy

Address 3110 Hammock Creek Court
Conyers, Ga. 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments At the original meeting we were told
the existing bridge would be used - now we
are being told we will have an approx 7 mile
detour. I still don't understand why the
original plan can't be used

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 the DOT personnel? Yes No

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

Please share your suggestions on improving the way Georgia DOT conducts public meetings.

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

Georgia Department of Transportation

Open House Comment Card

PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses.

Name Sandi Watkins

Address 2390 Irwin Bridge Rd.
Conyers, GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

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 Other _____

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PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses.

Name Gordon Tatt

Address 2521 Bonds Lk. Rd.

Conyers 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

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 Other _____

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This was the right thing to do

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April 21, 2010

Please print responses.

Name Guy L. Watkins Sr.

Address 2460 Irwin Bridge Rd.

Conyers, Ga 30012

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Comments _____

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April 21, 2010

Please print responses.

Name Charles Abarrins

Address 2440 Old Town Bridge Rd Conyers GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

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Other _____

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April 21, 2010

Please print responses.

Name Sharon Watkins

Address 2350 Irwin Bridge Rd

Conyers GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments _____

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 Other _____

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PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses.

Name Guy L Watkins Jr

Address 2350 Irwin Bridge Rd
Conyers GA 30028

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 _____

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April 21, 2010

Please print responses.

Name

Joe Menchhofer

Address

2525 Boulders Lake Rd
Conyers GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments

Add incentives to Contractor for
Early Completion & penalties for
Late Completion

How did you hear about this meeting?

- Radio Newspaper Signs Word of Mouth
 Other

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Open House Comment Card

PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses. Barry N. F
Name Gloria D. Perrod
Address 3129 Bonds Lake Road
Congress, GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments Should keep old bridge until new one is ready to open. You are cutting off access to being able to get to businesses, Church, schools & hospitals. Not to mention emergency vehicles will have to spend valuable time to get to the elderly!

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Georgia Department of Transportation

Open House Comment Card

PROJECT CSBRG-0007-00(076), Rockdale County, P.I. No. 0007076

April 21, 2010

Please print responses.

Name SARAH LONG
Address 3151 Bonds Lake Rd
Conyers, GA 30012

Do you support the proposed detour? For Against Conditional Uncommitted

Comments When the new bridge can be constructed along side the old one, it is totally unnecessary to make us have extra expense in time and money to go a long way round daily to reach a job, the grocery, post office, drug store, dentist, doctor, hospital, church, and all other business we have need of. In addition, this would greatly delay any emergency needs of our community. We are good citizens - we pay our taxes - use them to our benefit. Keep the old bridge open until the new one is completed.

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