

Date: 12/14/99

From: Nicole E. Mills

To: L. M. Courtney, Jr., Dist. Maint. Engr.

cc: PETERSON MIKE

Michael D. Finch, D1 Drainage Engineer

Subject: SR 29 side drain replacement Glades County

RD153NH - DOT1

MT110LC - DOT1

RD144MP - DOT1

RD153MF - DOT1

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In our meeting in Mr. Peterson's office two weeks ago, you indicated that your maintenance forces could replace the 30 inch side drain by the Chaparral Slough. The drainage report recommended a double 72 inch be installed. You asked for an equivalent capacity smaller sized pipe. We have come up with the alternatives:

3 - 60 inch pipes or

4 - 60 inch x 36 inch (vertical length is longer) elliptical pipe.

(the horizontal elliptical pipe will be too wide for the canal width.)

All pipes should be 40 feet long and inverts at elev 29.0.



*Florida Department of Transportation*

JEB BUSH  
GOVERNOR

THOMAS F. BARRY, JR.  
SECRETARY

**MEMORANDUM**

**Date:** October 29, 1999

**To:** L.M. Courtney, P.E., District Maintenance Engineer  
Tom Garcia, P.E., Fort Myers Maintenance Engineer  
Talbert Melton, LaBelle Maintenance Engineer

**From:** Nicole E. Mills, P.E., Assistant District Drainage Engineer <sup>NEM</sup>

**Copies:** J.M. Peterson, file, reading file

**Subject:** SR 29 Flooding Analysis Report  
Roadway Section 05090  
Flooding Inventory Complaint Reference: 05090-1 page G-4  
Glades County

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Please find attached the final drainage study for SR 29 west of Chaparral Slough. This study and implementation has been placed on the District's top ten list of improvements for this year.

Drainage is proposing to transfer the construction money for this project to maintenance to implement the recommendation. The transfer of the funds to maintenance allows for an almost immediate implementation, shorter construction time, and no permitting restrictions. If we let the project as a construction job, we are looking at a June let, longer construction time, higher construction costs, design costs, and a full permitting process.

If after reading this report, you deem this flooding complaint lower priority, please let us know immediately so we may re-allocate our resources onto other items. If there are any questions, please contact myself at SC 557-2277, RD153NH, or Michael Finch at SC 557-2272, RD153MF.



## Memorandum

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**To:** Nicole E. Mills, P.E., Assistant District Drainage Engineer

**From:** Mark Micikas

**Date:** October 26, 1999

**Copies To:** Michael Finch, Frank Schwarz, Larry Gaddy

**Subject:** **SR 29 between SR 78 and Chaparral Slough Flooding Problem Analysis**  
FPN: 198356 1-32-04  
WPI No.: 1119960  
Roadway Section 05010  
Glades County

Drainage Design received the above report on September 28, 1999. We have reviewed the report and have the following comments to offer at this time:

1. Please add a plan view sketch to pictorially describe the first paragraph of Existing Drainage Patterns. The drainage maps do not label Lone Pine Creek, and since we are not sure where the 3-36" pipes came from, they are not on the maps either. The sketch may be inserted into the main write-up as figure one.

**Response:**

1. A figure was added to the report on a quadmap depicting the bridge, cross drains, and side drain locations. Also, Chaparral Slough and Lone Pine Creek are labeled on the figure.
2. Please state the width of the R/W ditch. The recommendation is to add 2-72" pipes, which would need at least 15 feet of R/W width to install and compact.

**Response:**

2. The width of the R/W ditch (20 ft) as determined from the old plans was added to the report.
3. How long would the 72" pipes need to be and at what flow line elevations (approximately)? In order to obtain proper pipe cover, can the pipe invert be buried?

**Response:**

3. The pipe length (40 ft) and the approximate flow line elevations (28.8) were added to the report. The flow line of the pipe will be buried

**approximately 0.5 ft in order to maintain adequate cover over the pipe.**

4. In the bold writing on page 4, "If the step cannot be implemented .....", what step is this referring to? Step one, step two, or both?

**Response:**

**4. The statement was referring to Step Two, this will be revised in the report.**



*Florida Department of Transportation*

JEB BUSH  
GOVERNOR

THOMAS F. BARRY, JR.  
SECRETARY

**MEMORANDUM**

**Date:** October 13, 1999

**To:** Larry J. Gaddy, P.E., PBS&J Project Manager

**From:** Nicole E. Mills, P.E., Assistant District Drainage Engineer

**Copies:** file, reading file

**Subject:** SR 29 between SR 78 and Chaparral Slough Flooding Problem Analysis  
Financial ID: 198356-1-32-04  
Roadway Section 05010  
Glades County

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1. Please add a plan view sketch to pictorially describe the first paragraph of Existing Drainage Patterns. The drainage maps do not label Lone Pine Creek, and since we are not sure where the 3-36" pipes came from, they are not on the maps either. The sketch may be inserted into the main write-up as figure one.
2. Please state the width of the R/W ditch. The recommendation is to add 2-72" pipes, which would need at least 15 feet of R/W width to install and compact.
3. How long would the 72" pipes need to be and at what flow line elevations (approximately)? In order to obtain proper pipe cover, can the pipe invert be buried?
4. In the bold writing on page 4, "If the step cannot be implemented...", what step is this referring to? Step one, step two, or both?

DMDBNT20 VIEW NOTE Page 1 of  
FORWARD 09/29/99 11:11:24 MT110KC Line 7 to  
<.....1.....2.....3.....V.....5.....6.....7.....>

Date: 09/29/99  
From: K.E. CLARK, P.E. DIST MAINT OPNS ENGINEER MT110KC - DOT1  
To: Nicole E. Mills RD153NH - DOT1  
cc: T.T. GARCIA, P.E. FT MYERS MAINT ENGINEER MT192TG - DOT1  
Charles D Baxter MT193CB - DOT1  
L.M. COURTNEY, P.E. DME D-1 MT110LC - DOT1  
T.H. MELTON, LABELLE MAINT MANAGER MT193TM - DOT1  
R.A. MARINO, DIST MAINT CONTRACTS COORDINATOR MT110RM - DOT1  
Subject: SIDE DRAIN ENLARGEMENT - SR29 @ CHAPARRAL ROAD ?? GLADES CO.  
Reference: Note from T.T. GARCIA, P.E. FT MYERS MAINT ENGINEER (MT192TG - DOT1) attached below

✓ Ralph  
✓ Gerry  
✓ SMP

NEM: JUST GOT FINISHED SPEAKING WITH MR COURTNEY RE SUBECT SIDE DRAIN REPLACEMENT. HERE'S THE DEAL: HE IS NOT INTERESTED IN MAINTENANCE YARDS DOING ANY PROJECTS OF THIS NATURE. HE PREFERS ALL OF THIS TYPE OF WORK TO BE LET TO CONSTRUCTION CONTRACTS. KEC

----- ATTACHED NOTE -----  
PF1=Help 2= 3= 4=Main Menu 5=Cmd Line 6=Fast Pat  
PF7=Backward 8=Forward 9= 10= 11= 12=Quit

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restate facts

- Permit Problems
- Cost Savings
- Maint. Eng. OK
- Priority Project

Constr. Contract vs. Maint.