US 98 Erosion of Shoulders

Marlon Holzbach VMS, Inc.
Tropical Storm Arlene June 11 2005
Hurricane Ivan
September 15, 2004
10 AM CDT Wednesday
NWS TPC/National Hurricane Center
Advisory 53
Current Center Location 27.3 N 88.0 W
Max Sustained Wind 135 mph
Current Movement N at 13 mph

- Current Center Location
- Forecast Center Positions
  - H Sustained wind > 73 mph
  - S Sustained wind 39-73 mph
  - D Sustained wind < 39 mph

Potential Day 1-3 Track Area
- Red Hurricane Warning
- Light Red Hurricane Watch
- Blue Tropical Storm Warning
Wind Wave Height at 42036

feet

0.0  0.2  0.4  0.6  0.8  1.0  1.2  1.4  1.6  1.8

00 GMT 12 GMT 00 GMT 12 GMT 00 GMT 12 GMT 00 GMT 12 GMT 00 GMT 12 GMT 05/05 05/06 05/06 05/07 05/07 05/08 05/08 05/09 05/09 05/10
Hurricane Dennis
July 10, 2005
10 AM CDT Sunday
NWS TPC/National Hurricane Center
Advisory 25
Current Center Location 29.4 N 86.7 W
Max Sustained Wind 140 mph
Current Movement NNW at 18 mph

- Current Center Location
- Forecast Center Positions
  - H Sustained wind > 73 mph
  - S Sustained wind 39-73 mph
  - D Sustained wind < 39 mph

Potential Day 1-3 Track Area
- Hurricane Warning
- Tropical Storm Warning
EMERGENCY REPAIRS

Awarded to C.W. Roberts Contracting, Inc.
Goal to re-open to traffic A.S.A.P.
Permanent repair to follow.
Emergency repairs to be completed in 14 days.
Repairs completed in 10 days!
Chipley- A $10.8 million contract has been awarded to C. W. Roberts Contracting, Inc. of Hosford, for temporary repairs to U.S. 98 in Franklin County from East Point to Carrabelle. The emergency contract calls for the removal and disposal of the existing damaged roadway, installation of a temporary concrete barrier wall, resetting existing damaged cross drain pipes and striping and paving of the section of roadway. The contractor has 14 work days to complete repairs to the 27-mile stretch with work scheduled to begin today.
Final Product
REMEMBER:

- Goal to re-open to traffic A.S.A.P.
- Permanent repair to follow.
- Additional issues to address:
- Front Slope and Shoulders.
PHASE II GOALS

- Protect Front Slope
- Prevent Shoulders from washing out

OPTIONS:
- Curb and gutter
- Slope protection
Scope of Services

Work consists of removing existing turf, blade and shape existing shoulders and front slopes, preparation and placement of 2” depth compost, erosion control blanket (jute mat), polyacrylimide powder (QPL# M-0203) to be placed at 50lb/ac as directed by the engineer and Bermuda grass sod.
7 MONTHS LATER:

Still Looking Good !!