ROUTE 11/15
ROCK SLOPE SAFETY PROJECT

OTEC – Under Construction: Spreading the Word
Melody Matter, PE, PTOE
October 25, 2016
Overview - Location

Project Area
Overview - History

- Cut Slopes Constructed Late 1930s
Overview - History

- Deteriorating Stability
- Safety Concerns
**Project Details**

**Improvement Measures**

- De-Vegetation
- Remove Loose Rock
- Install Wire Mesh
- Install Rock Fall Fence
- Traffic Barrier
Project Details

Project Challenges

- Unstable/Unpredictable Rocks
- Slope Heights
- Crane Size
- Roadway Width

Closure Required
Project Details

Area Challenges

- Local Access
- EMS Access
- Heavy Commuter Route
- Incident Detour Route
- Local Businesses
- Marysville Lions Club Carnival

Limit Time & Impact of Closure

Map showing traffic volumes: 60,000 vpd and 20,000 vpd.
Project Details

Project Closure

- Approximately 90 days
- 6 days a week, 15 hr days
- Contractor has EMC/TCS
- Contractor EMC Meetings
- Contractor develops ERP
- Incentives up to $50,000/day
- Disincentives up to $160,000/day
- Detour to US 22/322 (27 miles)
Project Details – Other Improvements

**Improvements to US 22/322**

- Pavement Improvements
- Sign and Guiderail Upgrades
- Additional Pavement Markings
- Curve/Rollover Warnings
- Contraflow Gates
- Speed Enforcement with PSP
- Speed Display Signs*
- Temporary Mile markers*
- Expansion of Capital Beltway Towing Service*

*During closure*
11/15 IS CLOSING FOR 3 MONTHS!
TO STOP THIS CALL...
320-6377
Outreach

SHARE

[Image of a hand drawing arrows around the word SHARE]
Outreach

Pre-Construction

- EMC Meeting
- Stakeholder Coordination
- Public Meeting
- Newsletter
- Website

Project Overview

Project Description

The project consists of rock slope safety improvements along 4 primary slope sections adjacent to U.S. 11/15 and paralleling the Norfolk Southern Railroad in both East Pennsboro Township, Cumberland County, and Maryland Borough, Perry County. The project limits of work are from the I-81/I-11/15 interchange to the eastbound U.S. 11/15 road closure in the summer 2015, within the limits of work for approximately 3 months in the spring/summer roadway closure of U.S. 11/15 within the limits of work for approximately 3 months in the spring/summer.
Outreach

During Construction

• EMC Meetings
• News Media
• Website Updates
• Message Board Alerts
• Traffic Alert Radios
• Text Alerts
• Stakeholder Notification
• Social Media
• 511PA

511PA

McCORMICK TAYLOR
Outreach – 511PA

511PA - Modifications

- Advertising Campaign
- Landing Page
- Project Webpage
- Alert System
- Waze Travel Time

WHAT IS 511PA?

511PA is Pennsylvania’s official travel information service which provides travelers with reliable, current traffic and weather information, as well as links to other transportation services.

The 511PA system can provide personalized traffic information tailored specifically for each traveler. 511PA Personalized Traveler Alerts is a free service that notifies subscribers of accidents, incidents and construction on select highways and toll roads they choose. Alerts are sent to subscriber’s cell phones or email accounts and it is easy to sign up to tailor your alerts to only those roadways in which you’re interested. Just visit http://www.511pa.com/NetworkCoverage/usingAlertingService.aspx to get started.

You can also follow any of the 511PA regional Twitter pages. 511PA tweets include news releases and traffic advisories, along with all traffic and construction events on the 511PA network in that region. You can access these regional pages from the link on the 511PA Web page: http://www.dot.state.pa.us/Internet/pdnews.nsf/centerTwitter?OpenPage.
Outreach – 511PA

Marysville Rock Slope Project

ROUTE 11/15 SOUTHBOUND
STATUS: CLOSED

ROUTE 11/15 NORTHBOUND
STATUS: CLOSED

DETOUR ROUTE 22/22 TRAVEL TIME
EASTBOUND: 0 hr 27 min
WESTBOUND: 0 hr 13 min

DETOUR ROUTE 274/81 TRAVEL TIME
EASTBOUND: 0 hr 47 min
WESTBOUND: 0 hr 43 min

TWEETS FROM THE CAPITAL REGION
511FAHarrisburg
CLEARED: Turnpike Roadwork on Pennsylvania Turnpike i-76 eastbound between Exit 236 - US 15 and Exit 216 - US 15 affecting the shoulder
5/2/2016 11:05:03 AM

511FAHarrisburg
CLEARED: Roadwork on i-81 southbound at Maryland State Line
5/2/2016 8:42:02 AM

IMPORTANT LINKS
Project Website
Incident Detour Map
Project Newsletter
Anticipated Construction Schedule
Commuter Services of Pennsylvania
PennDOT District B

CONTACT US
Questions regarding this project should be directed to OPEPNAVPA.gov.
Comments regarding the site should be directed to 511pa@pa.gov.

To report roadway concerns on state-owned roads such as pothole locations, storm water and drainage concerns, traffic related concerns, or damage to personal property, visit our Customer Care Center website. Additionally, you can report potholes by calling 1-600-FIX-ROAD.
How Did it Go?
How Did it Go?

**Marysville Rock Slope Project**

<table>
<thead>
<tr>
<th>SB</th>
<th>ROUTE 11/15 SOUTHBOUND</th>
<th>NB</th>
<th>ROUTE 11/15 NORTHBOUND</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATUS</td>
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- EASTBOUND: 0 hr 47 min
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**TWEETS FROM THE CAPITAL REGION**
- 511FAHarrisburg: Turnpike Roadwork on Pennsylvania Turnpike exit 1-76 eastbound between Exit 236 - US 15 and Exit 216 - US 15 affecting the shoulder
- 511FAHarrisburg: Turnpike Roadwork on Pennsylvania Turnpike exit 1-76 eastbound between Exit 247 - I-283 To PA 232 and Exit 216 - PA 72 affecting the shoulder
- 511FAHarrisburg: Roadwork on I-81 southbound at Maryland State Line

**IMPORTANT LINKS**
- Project Website
- Incident Detour Map
- Project Newsletter
- Anticipated Construction Schedule
- Commuter Services of Pennsylvania
- PennDOT District 8

**CONTACT US**
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How Did it Go?
How Did it Go?

• Some GPS Systems Not Up-To-Date
  – Mainly related to manual updates
  – Strange detour routes

• Local Road Diversion
  – River Road 1,295 vpd to 8,706 vpd

• Business Impacts

George Fegan was particularly worried about his business, Susquehanna Beer & Soda — with good cause. The store was lifeless a couple weeks ago. It had been that way since May 1 because the road closure meant no one was driving past the store.

"My sales dropped 55 percent," Fegan said.

Pinci, a World War II veteran and former railroad worker, made the best of a bad situation. He was selling antiques from his garage on South Main Street.

"I have a girlfriend and she said, 'You ought to do that.'"
**Marysville Rock Slope Project**

**ROUTE 11/15 SOUTHBOUND**
- **STATUS**: OPEN
- **TRAVEL TIME**: 0hr 19m

**ROUTE 11/15 NORTHBOUND**
- **STATUS**: OPEN
- **TRAVEL TIME**: 0hr 17m

**DETOUR ROUTE 22/322 TRAVEL TIME**
- **EASTBOUND**: 0hr 12m
- **WESTBOUND**: 0hr 12m

**DETOUR ROUTE 274/81 TRAVEL TIME**
- **EASTBOUND**: 0hr 46m
- **WESTBOUND**: 0hr 42m

Map View:
How Did it Go?

- Traffic Impacts
  - Not too bad but ugly in some places

- EMC Meetings Huge Help
  - Gave them a voice in the process
  - Gave them confidence that their was a plan

- Quick Response to Incidents

- Public Happy

"Thank God," said Marysville Borough Manager Scott Weaver. "I think everyone wants to kiss the construction workers for finishing early."
Communication Tools Used

- EMC Meetings
- Stakeholder Coordination
- Public Meetings
- Newsletter
- Website
- News Media Outreach
- Message Board Alerts
- Traffic Alert Radios
- Text Alerts
- Social Media
- 511PA