Stormwater Permitting for Transportation

Permitting Summer School
July 9, 2015
Topics

• FDOT 101
• Regional Treatment
• Stormwater Re-use
• ELAs!
• SB536 Status & Issues
Project Timeline

- Project Development
- NEPA Process
- Final Design and Plans Preparation
- Right-of-way Acquisition
- ERP Process
- Agency Permit Coordination
- 60% Plans
- Project Letting
- Bid / Let / Pre-con
- 0, 2, 4, 5, 6, 7, 8
- Years
- Project Construction
DOT Mission Statement:
“.... and preserves the quality of our environment and communities.”

DOT:

1. Don’t look for the minimum; look for opportunities

2. DOT owns state lands and infrastructure that should be available for DEP/WMD use provided the primary DOT purpose is not compromised.
WMDs:

1. DOT is not just another developer.

2. Do not exact regulatory costs from DOT beyond what we would if the funds for compliance were coming out of our own budget.
Typical Treatment Approach

- Typical Ponds
- Canal System
- DOT Road
- Larger Waterbody
Regional Treatment

Canal System

Regional Pond

Weir

Larger Waterbody

DOT Road

Florida Department of Transportation
Florida Department of Transportation

ROW Costs per Acre

$272M Total Cost
$591k/acre Average

Bad Investment!

142 Ponds
Regional Treatment for Re-use
Regional Pond Benefits/Obstacles

**Benefits**
- Larger volume of stormwater for re-use
- Improved pollutant removal
- Economy of Scale
- Economy of Location

**Obstacles**
- Treatment for conveyance infrastructure
- Questionable eminent domain support for intangible benefits
The Right People in the Right Place at the Right Time
Environmental Look Aroun ds (ELA’s!)

- Mandatory on all projects with stormwater design
- Includes DEP, WMDs, City, County
- Targeted early: PD&E and Design
- All aspects of Cooperation: Re-use, wetlands, MFLs, BMAPs, Water Supply
Areas of Cooperation

- ERP
- E & SC
- TMDLs
- Water Supply
- Wetland re-hydration
- Stormwater Research
- Everglades Restoration
- Stormwater Re-use
DOT Inputs:

- Remove impediments to regional treatment
- Allow prudent post ERP treatment drainage wells
- Use highway drainage infrastructure for public-interest stormwater movement
- Create regional stormwater re-use coordination
Stormwater Trade Exchange

Stormwater Excess

Stormwater Users

GIS Interface Library?

Piggyback BMAPs?
Questions?