



Management of
Environmental Commitments

by

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April 1, 2008

What is Mitigation?

- Avoiding Impacts to Resources
- Minimizing Impacts to Resources
- Mitigating Impacts to Resources
- Addressing Public and Agency Concerns

Five Methods of Mitigation

1. Location Modification
2. Design Modification
3. Construction Measures
4. Operational Conditions
5. Right-of-way Measures and Replacement Lands

Who is responsible?

- Project Manager
 - Environmental Team Member
 - Consultant
 - Permit Coordinator
 - Contract Management
 - Construction Unit
 - Maintenance Unit

Sources of Mitigation Requirements

- Environmental Documents (EIS, EA, CEE)
- Historic and Archaeological Commitments (Section 106)
- Army Corps and DEP Permits
- NPDES Permits
- Public Involvement

Mitigation is carried through:

- Scoping
- Preliminary Engineering
- Final Design
- Construction
- Post Construction

How is mitigation incorporated?

- Design Field View Plan
- Construction Plans / E&S Plan
- Special Pay Items
- Environmental Special Provisions
- Environmental Oversight during Construction

Tracking Mitigation

- FHWA Requires Commitment Tracking
 - District 8 tracks all projects through Design in three steps:

FIRST STEP:

After Environmental Document is approved, the Environmental Manager issues a memo entitled: "Mitigation Commitments within CEE EER"

Notification of Mitigation

The approved environmental document for the above referenced project includes mitigation measures that must be incorporated in the project's Plans, Specifications and Estimates (PS&E) package. The mitigation measures are described in **Section B:E** of the environmental document. If a permit is required for the project, carefully review all special conditions and permits for additional mitigation commitments that must be included in the PS&E. Prior to the submission of the PS&E to Contract Management, the project manager must review the project design documentation, specifications, and permits with the Environmental Unit team member and include a copy of the resulting certification letter with the PS&E package.

The approved environmental document for the referenced project does not require any special mitigation measures, follow-up investigations or agency coordination for the project other than the standard measures from the 408 Specifications and normally included as part of final design.

Tracking Mitigation

SECOND STEP:

Create special provision for summarizing environmental commitments. Reference applicable construction items and plans.

Project Special Provision

Special Provision Name: a02901 MITIGATION REQUIREMENTS
MITIGATION REQUIREMENTS

1. Wetlands are located between Sta. 5+10 to 6+15 Rt. Do not waste, borrow, stage, or stockpile material within these limits.

2. Underground storage tanks may be located outside PennDOT ROW from Sta. 10+00 to Sta. 15+00. Due to the limited amount of excavation required to reconstruct the shoulder, no impacts are expected. **If project scope changes or any unforeseen impacts occur, immediately contact District 8 Environmental Manager, Sharon Okin, at (717) 787-4796 before this work occurs.**

Tracking Mitigation

THIRD STEP:

At the end of Final Design, the Environmental Manager issues a memo entitled: "Mitigation Requirements Met"

Mitigation Certification

To: Douglas Murphy, Project Manager
From: Sharon E. Okin, Environmental Manager
Date: 3/11/2008
Re: Mitigation Requirements Met
County: Dauphin **SR/Section:** 0225-017 **MPMS:** 66980
Project Name: Market Street and US 209

I have reviewed this project with the project manager and I certify that the mitigation measures required by the environmental document have been adequately incorporated into the project design and specifications.

Cc: Project File
PS&E

Major Project Tracking

FHWA Requires Commitment Tracking for all EIS, EA and some Level 2 CEE's:

UNDER DEVELOPMENT
Environmental Commitment and Mitigation Tracking System (ECMTS)

Modification of Environmental Commitments

What is required?

- Justification
- Documentation
- Agency Approval

Keys to Success

- Pay special attention to mitigation items that affect schedules such as in-stream restrictions.
- Make sure contract includes all permit information. Understand and integrate all agency requirements and permit conditions.
- Summarize mitigation requirements in **one** special provision

??? QUESTIONS ???
