Good Planning Today Means Fewer Headaches Tomorrow

From Planning to Implementation

Peggy S. Holland
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Overview

The Plan

From planning to plans

From plans to project

Evaluation

Updating the Plan

The Project
The Plan

- Bike Plan, Pedestrian Plan, Greenway Plan, Comprehensive Plan, Long Range Transportation Plan, Comprehensive Transportation Plan...

- Are plans consistent?
  - Consolidation where possible
  - Reference each plan (with dates!)
  - Evolution

- Is maintenance addressed?
From planning to plans

- Implementation
  - Phases
    - Preliminary engineering
      - Planning
      - Environmental documentation
    - Survey
    - Design
  - Right-of-way
    - Acquisition
    - Utility relocation
  - Construction
From planning to plans

- **Funding**
  - Federal
    - Transportation
    - HUD
    - EPA
  - State
    - Transportation
    - Recreation
  - Local
  - Public-private partnerships

- **Agreements**
From planning to plans

- Getting to the specifics
  - Defining the problem
    - Feasibility study
    - Considering the alternatives
    - Practical considerations
      - Property impacts
      - Cost
      - Topography
      - Utilities
      - Environmental
From planning to plans

- Design process
  - Consultant selection
    - Get references!
  - Review at each stage
    - 25%, 50%, 75%, 90%, 100%
    - Speak up if it doesn’t look right
    - Field assessment

- Environmental documentation
  - Historical
  - Environmental
From plans to the project

- Property
  - Mapping
  - Appraisal
- Acquisition
  - Market Value
  - Eminent Domain
- Certification

- Utility relocations
  - Coordination
From plans to the project

- PS&E
  - Final PLANS
  - SPECIFICATIONS
  - ENGINEER’S ESTIMATE
- Bid Documents
  - Compliance with federal, state and/or local
The Project

- Construction
  - The better the package, the better the bids
- Construction engineering
  - Supervision
  - Inspection
  - Documentation
- Field visits
- Change orders
- Final inspection
Evaluation

• Review original planning assumptions and studies
• Review plans and specifications
  • As-builts v. plans
  • Change orders
    • Why?
    • What went wrong?
• Modifications?
Updating the Plan

- Status updates
  - Moving projects from proposed to completed
- Off-spring
  - New projects
- Coordination of plans
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