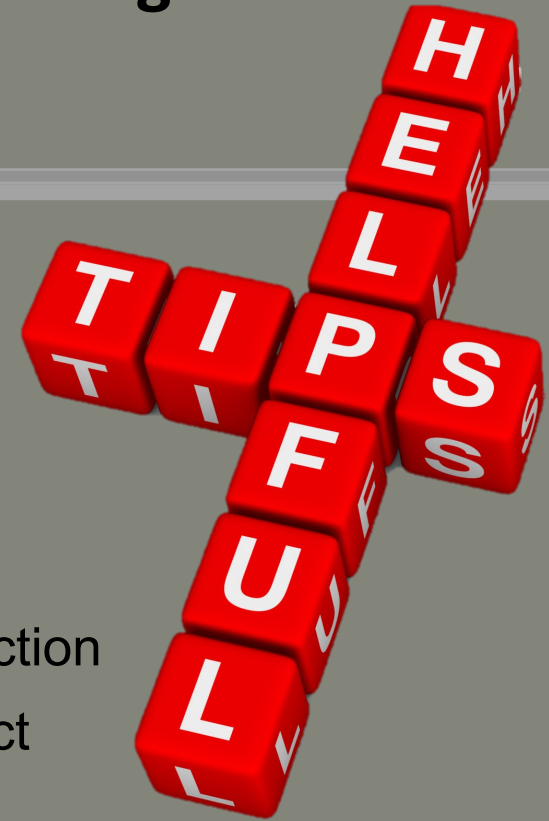


7-20-2018

Partnering with the U.S. Army Corps of Engineers

Michelle Hamor

Partnering with U.S. Army Corps of Engineers



Michelle Hamor

Chief, Flood Plain Management Services Section

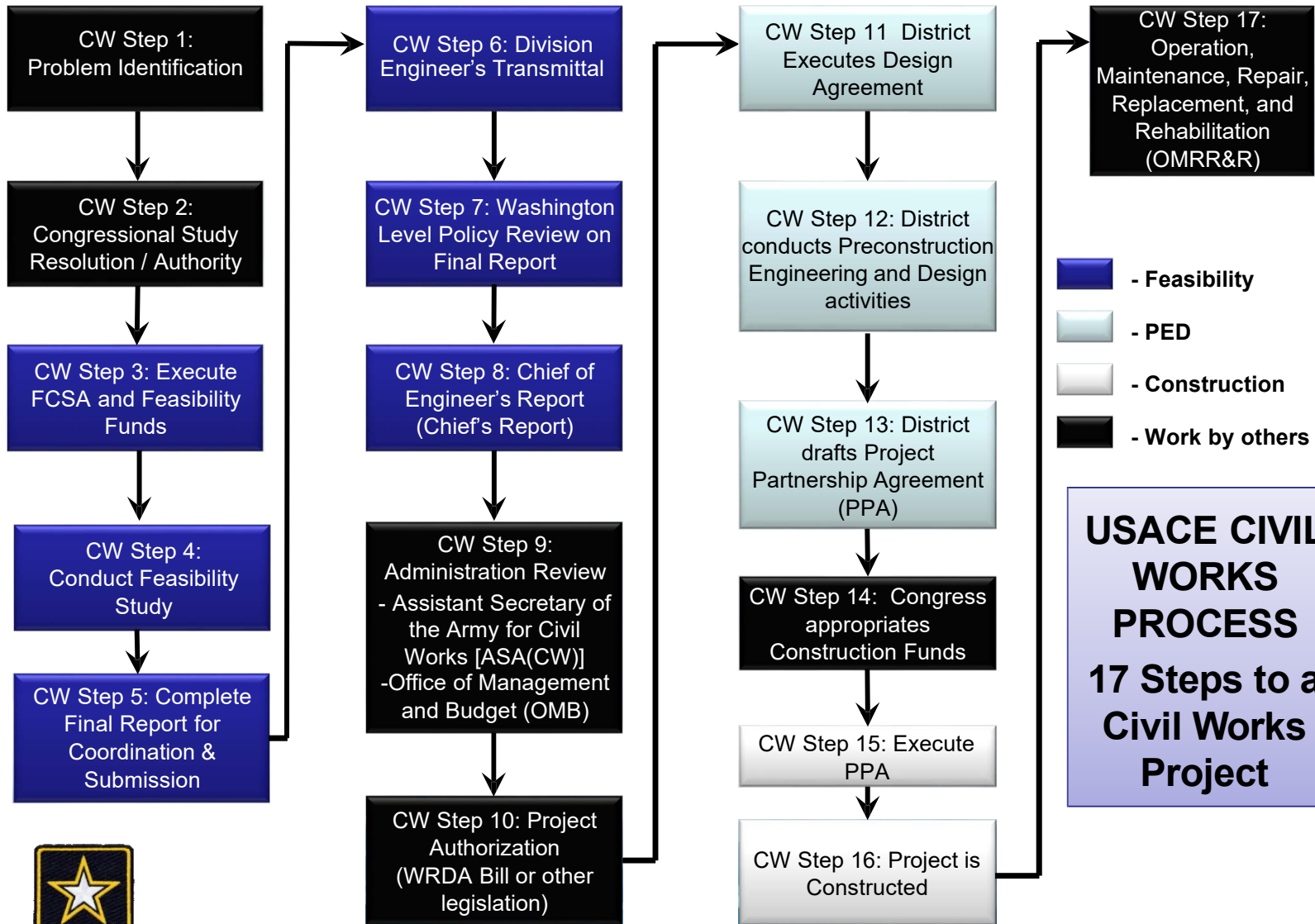
U.S. Army Corps of Engineers, Norfolk District

“The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”



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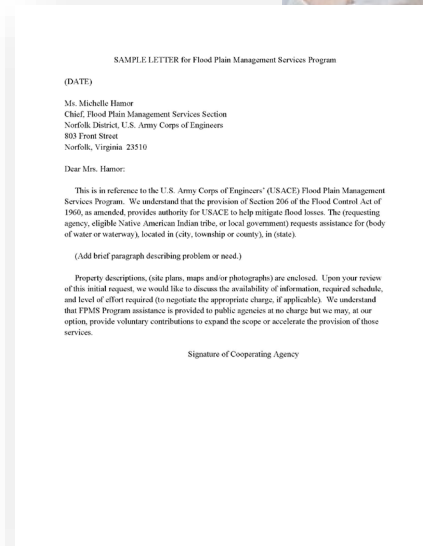


USACE CIVIL WORKS PROCESS
17 Steps to a Civil Works Project



1. PROBLEM IDENTIFICATION

- Articulate the need.
- Document existing conditions.
- Identify the relevant Hazard Mitigation Activity.
- Consider the solution.
- Construction vs. Study.
- Cost-share capability.
- Submit Letter of Intent.



2. CONGRESSIONAL AUTHORITY

- **Study (Programmatic)**
 - Flood Plain Management Services Section
 - Planning Assistance to States
 - Silver Jackets
 - **Construction**
 - Continuing Authorities Program
 - General Investigations
- No additional study authority needed.
 - No additional study authority needed.
 - Congressional authority needed.



3. CONGRESSIONAL APPROPRIATION AND FCSA

- Starts the project clock.
- Allows in-kind work.
- Consider local capability.
- Federal partners with guidelines.
- Planning Community Toolbox



US Army Corps of Engineers Planning Community Toolbox

Home | Planner's Library | SMART Guide | Project Delivery | People | Tools | Processes | Training | Search/Index | Contact Us

PLANNING LINKS

SMART planning is:
S: Specific
M: Measurable
A: Attainable
R: Risk Informed
T: Timely

SMART Guide

- Planning SMART Guide
- What is the Planning SMART Guide?
- Modernizing the Corps Feasibility Study Process
- Feasibility Study Portfolio Review
- SMART Planning Principles
- What does a SMART Feasibility Study Look Like?
- Feasibility Studies: Building on a Strong Foundation
- Feasibility Study Kickoff
- Alternatives Milestone
- Tentatively Selected Plan Milestone
- Agency Decision Milestone
 - Developing Feasibility-Level Design and Cost
- Civil Works Review Board
- Chief's Report Milestone
- Tips, Tools & Techniques
- Additional Directives & Guidance
- Webinars & Fact Sheets

What's New on the SMART Guide

- What's New
- Site Index
- Frequently Asked Questions (FAQ)
- Comments or Questions

Privacy and Security Notice Updated July 2012

Planning SMART Guide

Last updated: 1 March 2013

In February and March 2012, Major General Walsh issued two transformational planning memoranda on a revised approach to planning studies that emphasized risk-based decision-making and early vertical team engagement, and broad changes to how we train our Planners to further develop and enhance our planning capability. We have made considerable progress in both regards this past year, implementing and advancing SMART Planning to conform to the 3x3x3 rule, while also resetting and reclassifying feasibility studies in the planning portfolio, and updating content, delivery and execution of Planning Core Curriculum training.

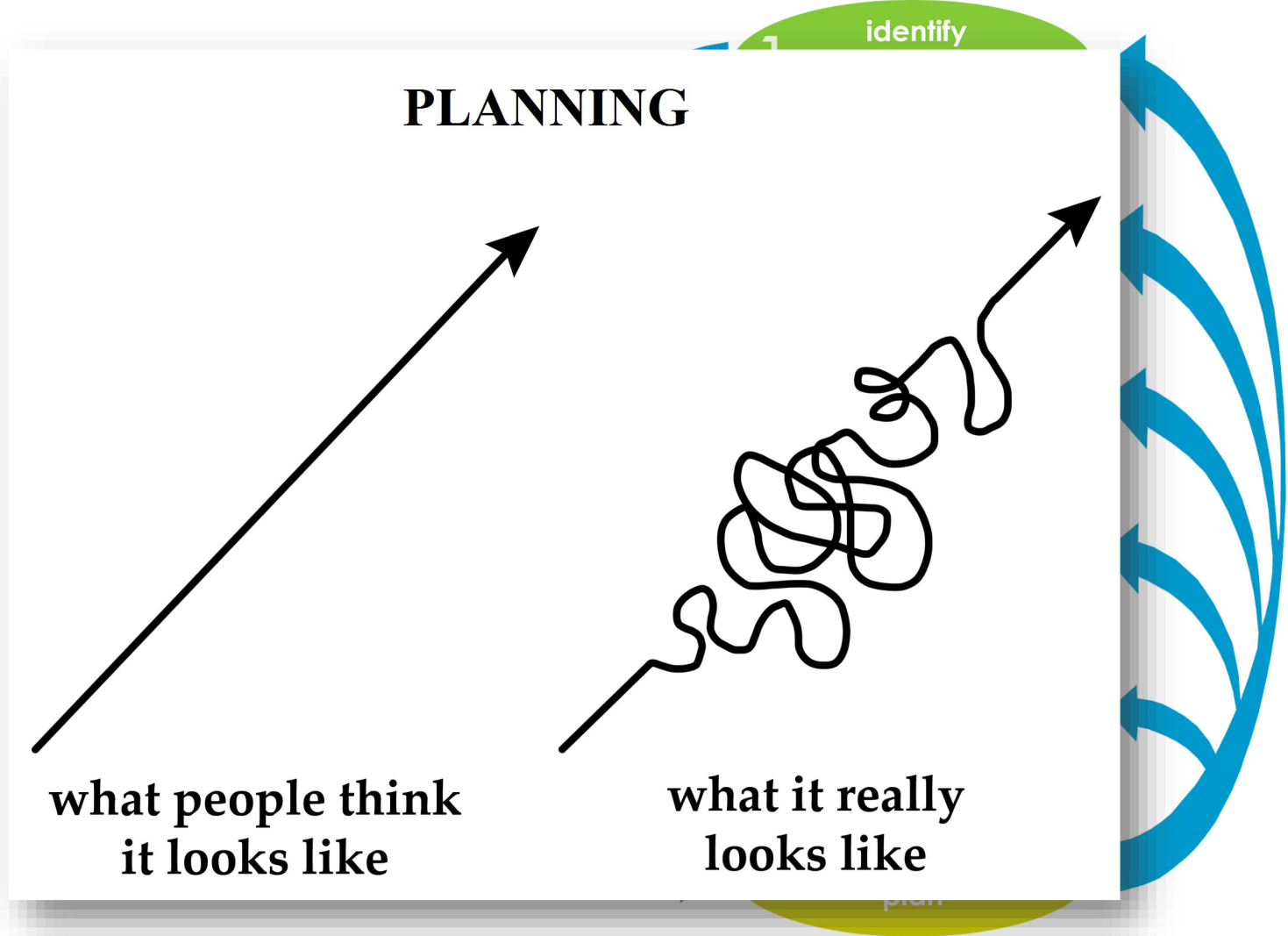
There are now multiple resources that speak to SMART Planning including this online Guide, [Planning Bulletins](#), [webinars](#), and relevant lessons-learned from [charettes](#) and review meetings. Tools that assist in the conduct of SMART Planning include the [risk register](#), [decision management plan](#) and a more streamlined [project management plan](#). We encourage all of you to frequently visit the [What's New](#) link on the SMART Guide for the most up-to-date SMART Planning developments and resources.

A two-phase approach has been developed to enable efficient and cost-effective short-term delivery of the training necessary to provide Planners with the foundations for understanding the Civil Works life cycle of a project, the 6-step planning process and plan formulation strategies and concepts by business line, with a long-term strategy for FY14 and beyond. The first phase includes use of new methods to deliver course content to students and issuance of grandfathering criteria for meeting Corps-wide PCC 1, 2, and 6 training needs in FY13. Long-term strategies include improved integration of SMART Planning principles into course content and consolidation of courses complemented by more efficient methods of delivery.

We would not have been able to have made this much progress and report our success stories over this past year without all of your contributions, feedback and hard work in support of SMART Planning. We encourage everyone to continue to use the resources on the SMART Guide and share them with other Communities of Practice, Sponsors and other interests. [Questions](#) or [comments](#) on SMART Planning or this Guide are welcome anytime.

Susan B. Hughes
Deputy, Planning Community of Practice

4. CONDUCT FEASIBILITY STUDY



DATA

- Building
- Type
- Foundation Type
- First Floor Elevations
- Value
- Square footage
- Digital Elevation Model
- Repetitive and Severe Repetitive Loss polygons and Structures
- High Water Marks from past flood events
- Flooded roads
- Traffic delays

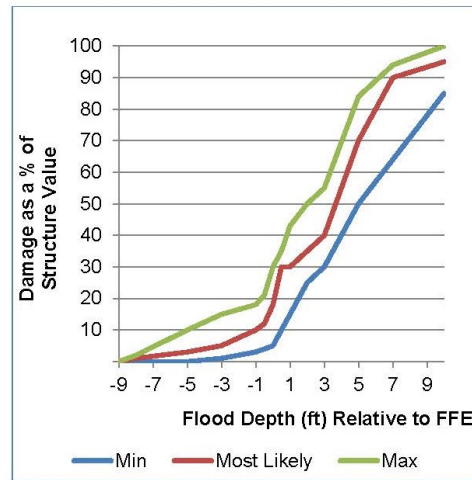
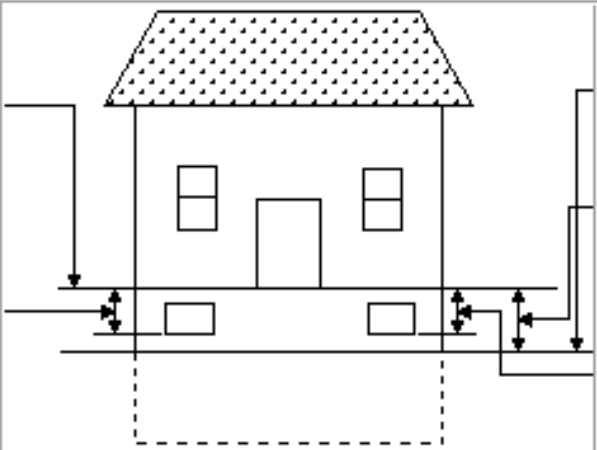


Figure 93. Prototype 6A: Single-Story Residence with Basement, Inundation Damage – Structure

Table 75. Prototype 6A: Single-Story Residence with Basement, Inundation Damage – Structure

Flood Depth	Min	Most Likely	Max
-9	0	0	0
-8	0	1	2
-5	0	3	10
-3	1	5	15
-1	3	10	18
-0.5	4	12	21
0	5	18	30
0.5	10	30	35
1	15	30	43
2	25	35	50
3	30	40	55
5	50	70	84
7	64	90	94
10	85	95	100

First Floor
 Ground Stage



Ground Stage:

Foundation Height:

Beginning Damage Depth:



CONCLUSION

- Identify the problem and visualize the solution.
- Provide data and background to tell the story.
- Update Letter of Intent annually until study begins.
- Actively participate but be prepared for fluidity.
- There will be things we cannot do.
- The Recommended Plan may not be the Locally Preferred Plan.
- Engage local staff from multiple departments to support.
- We are partners and not contractors.
- Become familiar with your capability – opportunity for work in-kind.

Interested in Partnering?

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susan.l.conner@usace.army.mil



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