

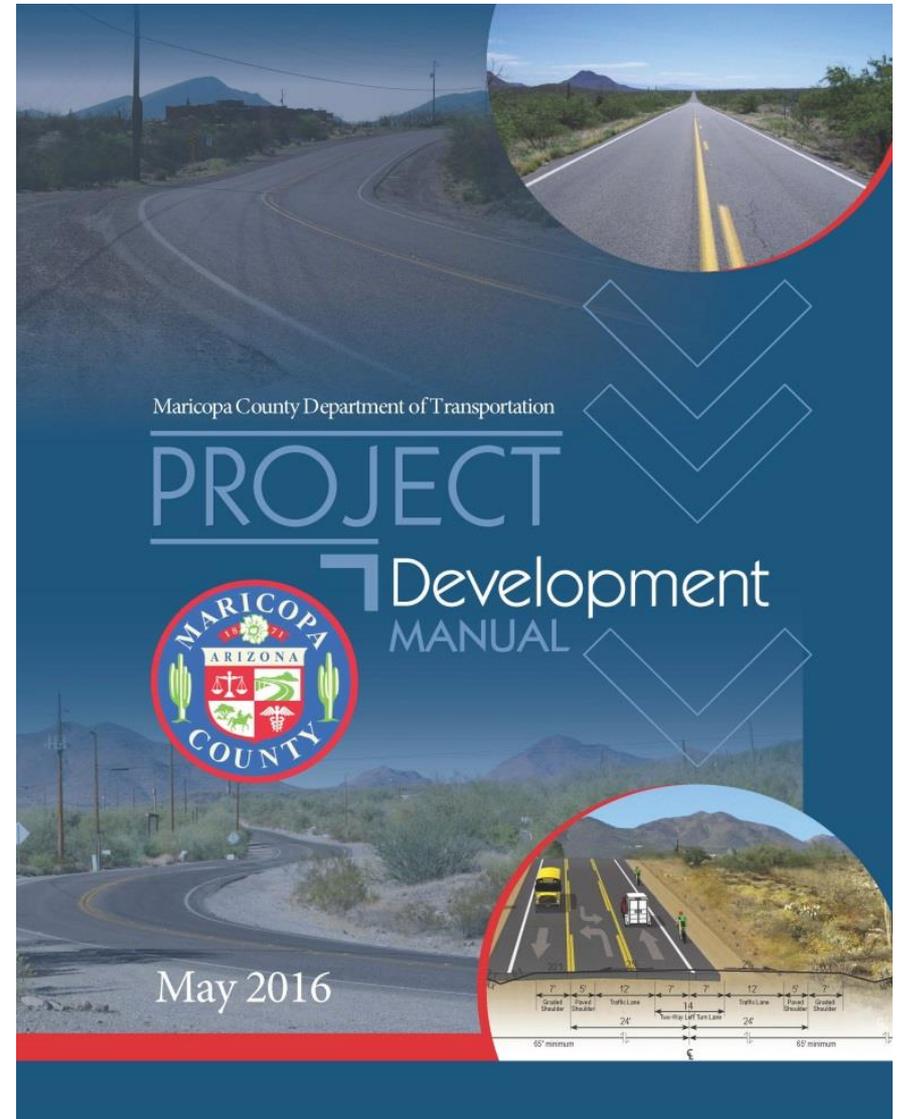


Project Development Manual

Final Revisions
June 2016

Topics

- ▶ Background
- ▶ Purpose Of Revision
- ▶ Revision Process
- ▶ Revisions
- ▶ Summary
- ▶ Next Steps



Background

- ▶ **Purpose Of PDM:**
 - To provide process guidelines for project development for Transportation Improvement Program (TIP) projects.
 - Provides standardized process and clarification of content requirements.
 - PDM does not explain engineering design or specific design requirements.
- ▶ Approved March 2013
- ▶ Revised May 2016



Purpose Of Revisions

- ▶ Feedback From Using PDM
 - Need For Flexibility
 - Streamline Process
- ▶ Adjustments To Process/Requirements



Revision Process

- ▶ PDM Team Established
- ▶ Volume By Volume Revision
 - Volume III – Scoping
 - Volume V – Final Design
 - Volume I & II – Administration And Project Management
 - Volume IV – Value Engineering
- ▶ Combine All Volumes Into One Manual
 - Included Planning Into Manual



Revisions: Administration

- ▶ Policy Removed And Volume Renamed
- ▶ Clarification Of Roles And Responsibilities
- ▶ PRC Definition Update
- ▶ Clarification: Project Filing And File Naming Convention
- ▶ Design Exception Modification
- ▶ Modification To Forms And Templates
 - ▶ Meeting And Summary Of Comments Templates
 - ▶ Approval Forms
 - ▶ Close-out Forms



Revisions: Project Management

- ▶ Project Work Plan
- ▶ Work Breakdown Structure
- ▶ Consultant Scope Of Services Template
- ▶ Schedule Templates
- ▶ Budget
- ▶ Quality Control And Quality Assurance
- ▶ Evaluation Process

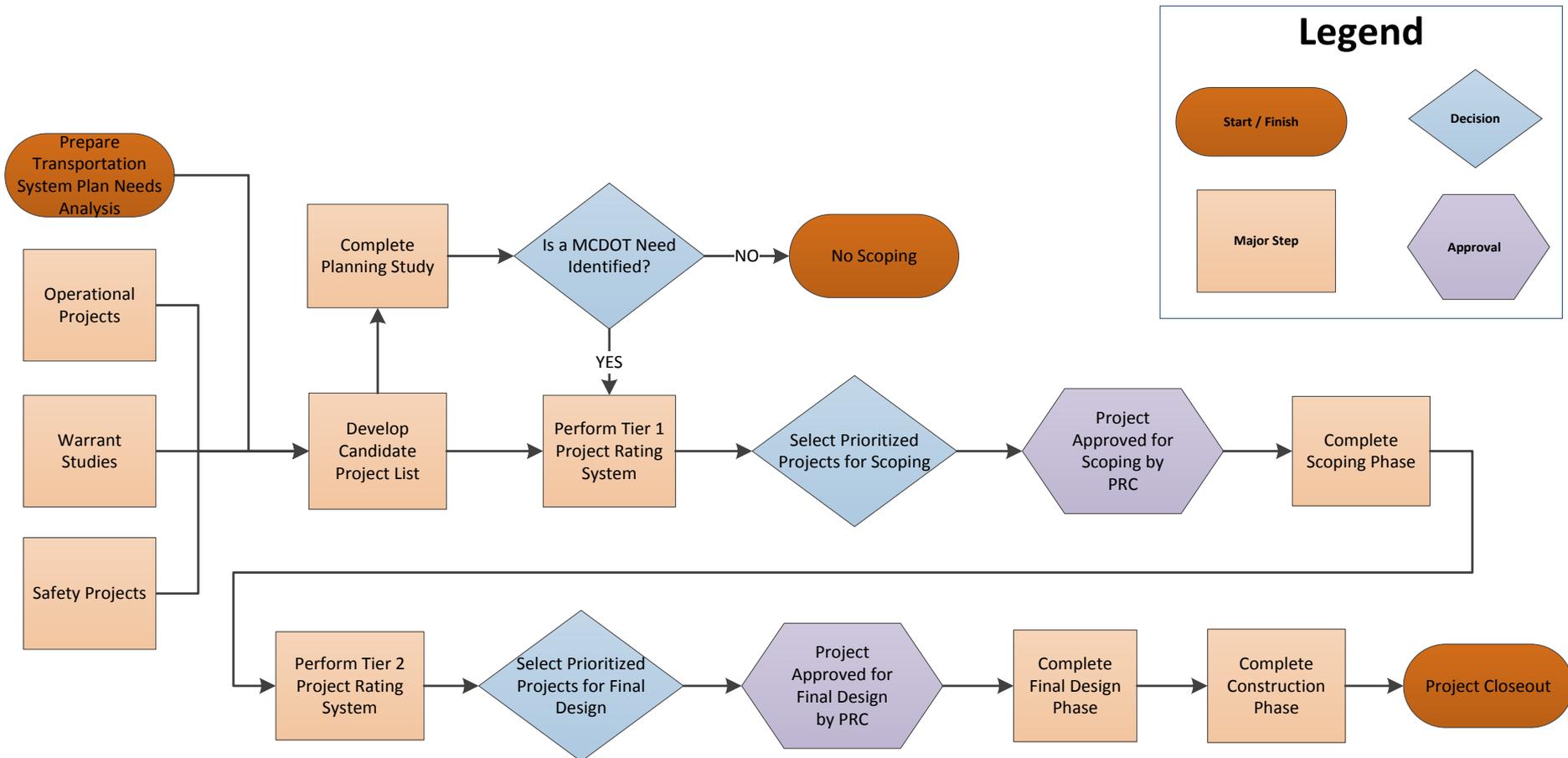


Revisions: Planning

- ▶ Planning Reports And Studies
- ▶ Project Rating System
 - Traffic Congestion
 - Safety
 - Cost/Benefit
 - Land Use
 - Regional Travel
- ▶ Project Programming

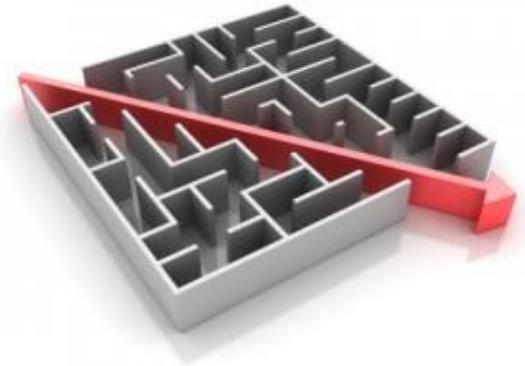


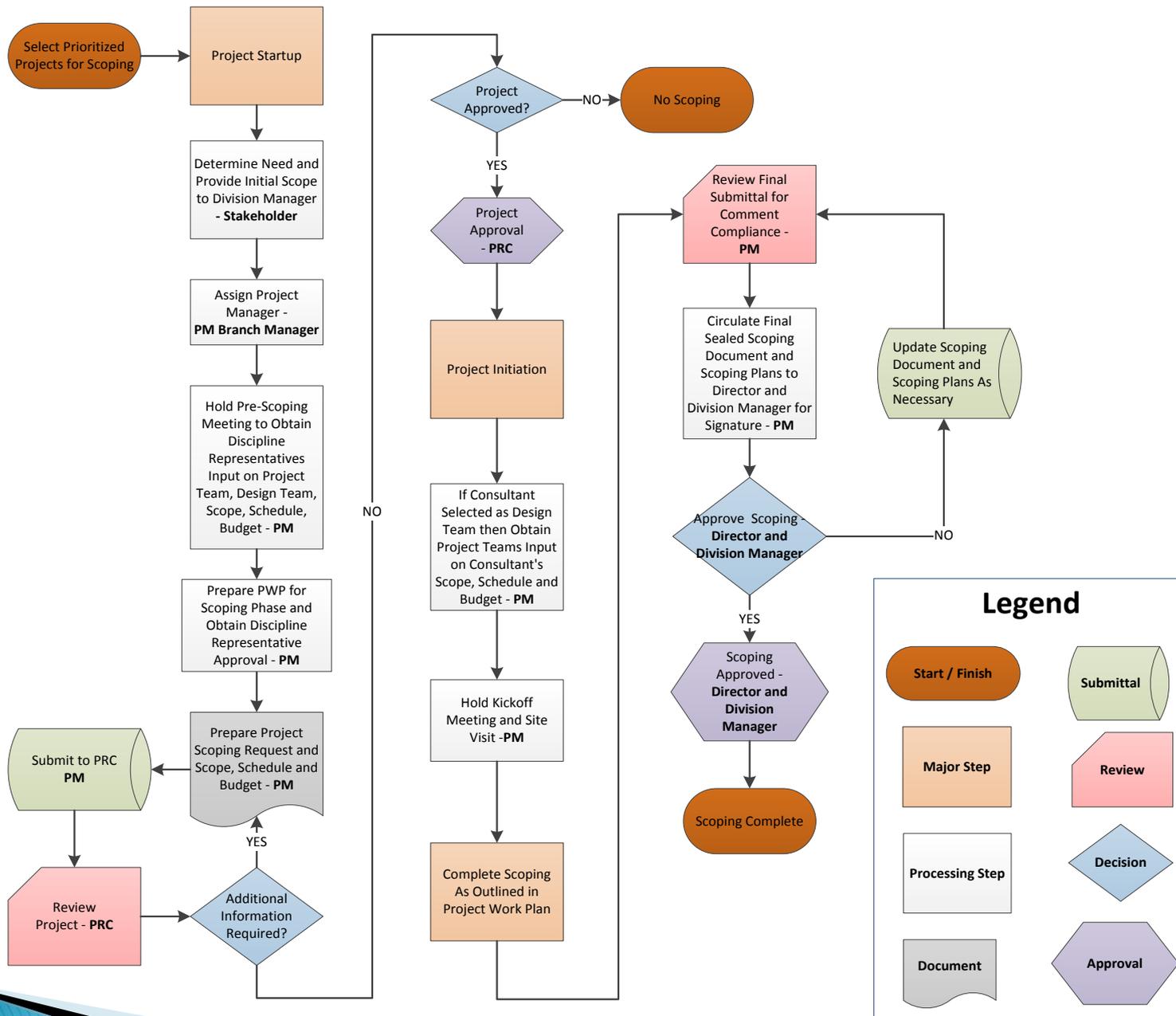
Project Development Process



Revisions: Scoping

- ▶ Scoping Goals
- ▶ Submittal Expectations
 - Scoping Plans Ends At 30% Design
 - Project Work Plans
- ▶ Process Highlights
 - No Separate Levels Of Scoping Documents
 - Technical Memorandums As Necessary
 - Checklists And QA/QC

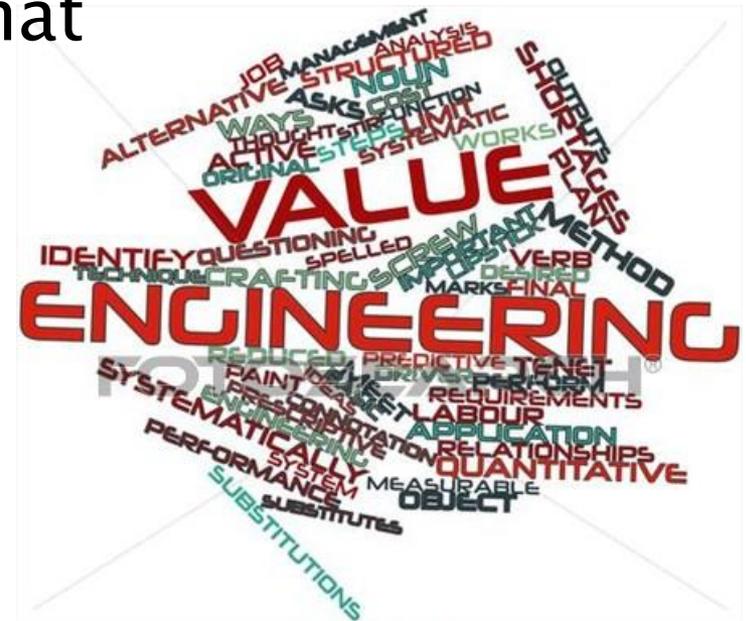


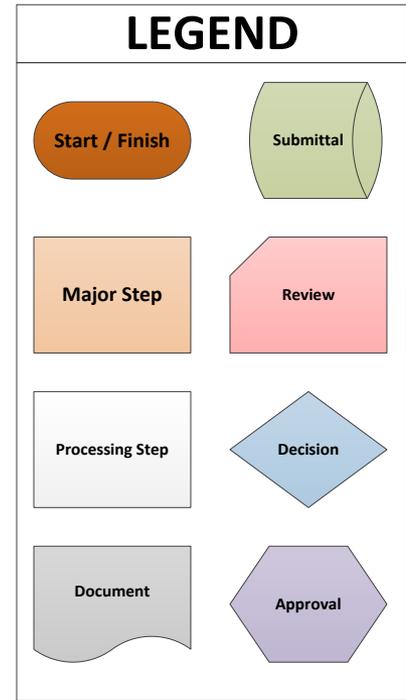
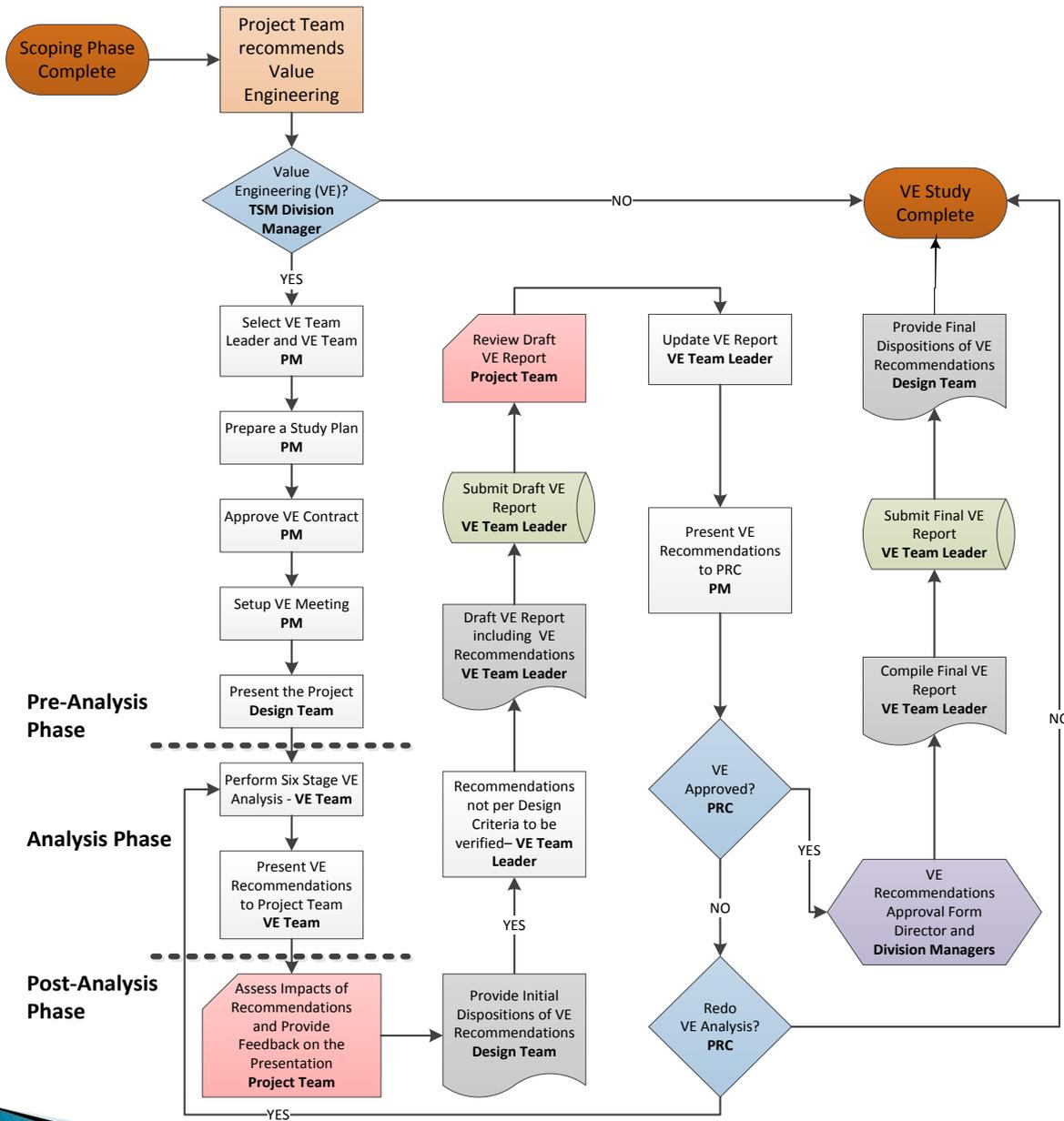


Scoping Process

Revisions: Value Engineering

- ▶ Need For VE Identified In Scoping
 - Project Selection Guidance Refined
- ▶ VE Goals
- ▶ VE Is Performed After Scoping
- ▶ Refined The Text And Format





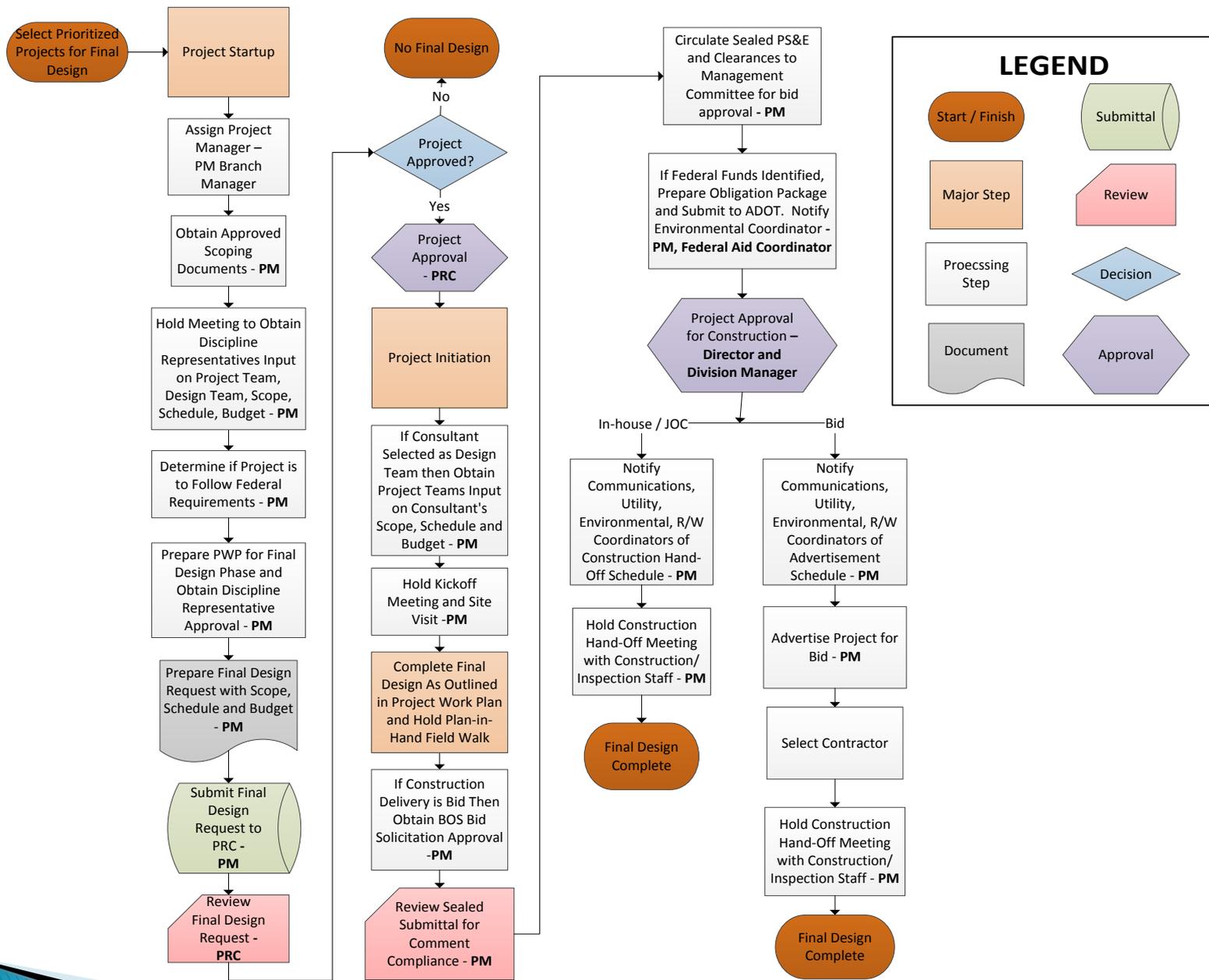
VE Process

Revisions: Final Design

- ▶ Project Work Plans
- ▶ Submittal Expectations
 - Technical Memoranda
 - 60% – Major Design Elements Set
 - 95% – Details Refined
 - 100% – Details Verified
 - Sealed – PM To Confirm And Close Out Process
- ▶ Process Highlights
 - Plan In Hand Meeting
 - Construction Hand Off Meeting

Significant Changes
After 60% Will Affect
R/W, Utility &
Environmental
Clearance Dates





Final Design Process

Summary

- ▶ Effective Date: May 31, 2016
- ▶ Located On MCDOT Website At www.mcdot.maricopa.gov/technical
- ▶ Expected Outcomes
 - Improved Project Delivery And Communications
 - Project Specific Scoping
 - Needs Based Project Selection (Project Rating System)
 - Minimize Project Change Orders

Next Steps

- ▶ Work With The MCDOT PM To Follow PDM For All TIP Projects
- ▶ PDM Will Address Revisions On A Yearly Basis
- ▶ It Depends On You To Make This Work.
- ▶ Improvement Will Not Happen Unless New Processes Are Followed, Tested, And Modified If Necessary.



