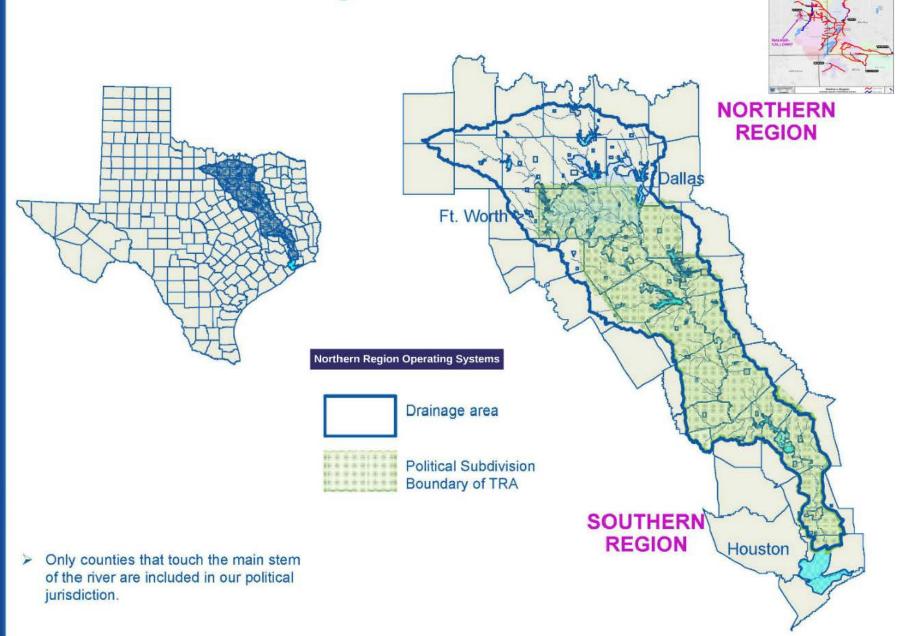
Managing a Billion-Plus Dollar CIP Program

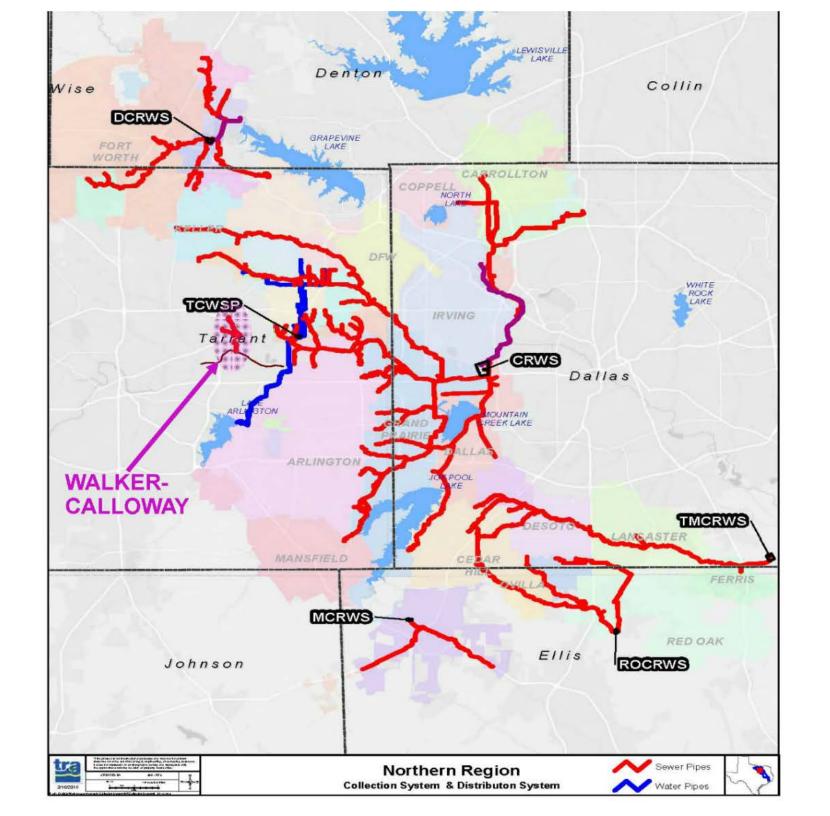
- Introduction to TRA
- Capital program growth and challenges
- Solution to improve project execution
- Project execution maturity
- Advance applications
- Comprensive CIP management solutions

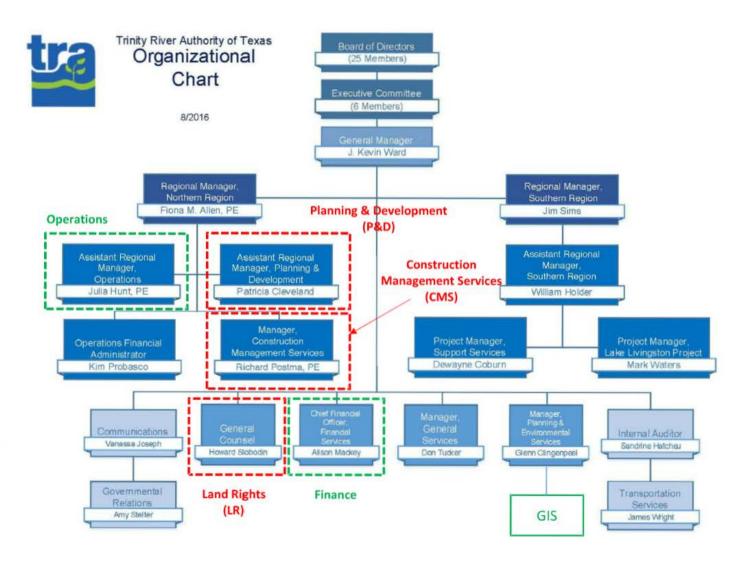




Trinity River Basin







Northern Region Planning & Development

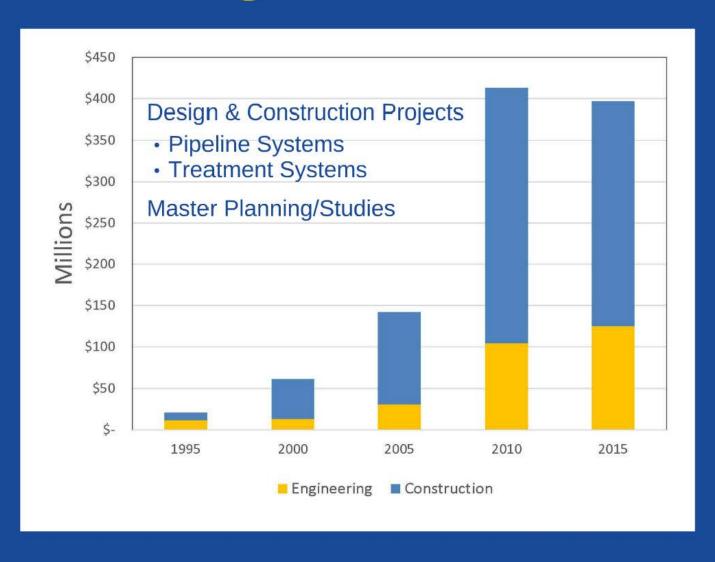
- Conveyance Pipeline Systems
- Water Wastewater Treatment Facilities
- Regulatory and Technical Resources
- Engineering Information Management Processes

Northern Region Planning & Development

The PHYSICAL Infrastructure

The LOGICAL Infrastructure

Northern Region Active Contracts



Existing Management Tools

- Accounting System
- TRA Playbook
- Status Reports
- Spreadsheets



- Construction Admin. Software
- Capital Program Mgmt. System*

2013-2018 TRA Strategic Plan



www.thinfivia.arg

- Engaged Board of Directors
- · Customer Service Excellence
- · New Business Growth
- Robust Community Partnerships
- Efficient and Effective Operations
- · Human Capital Development
- Effective Corporate Communications

www.trinityra.org

- Engaged Board of Directors
- Customer Service Excellence
- New Business Growth
- Robust Community Partnerships
- Efficient and Effective Operations
- Human Capital Development
- Effective Corporate Communications

Project:

Project Delivery Improvements

Objective 2.4:

Accelerate the project planning, development, and construction processes

Strategy 2.4.2:

Develop and document a standardized set of project planning and management processes and tools to drive accuracy, consistency, and timeliness and provide associated training

Engage Process Improvement Experts

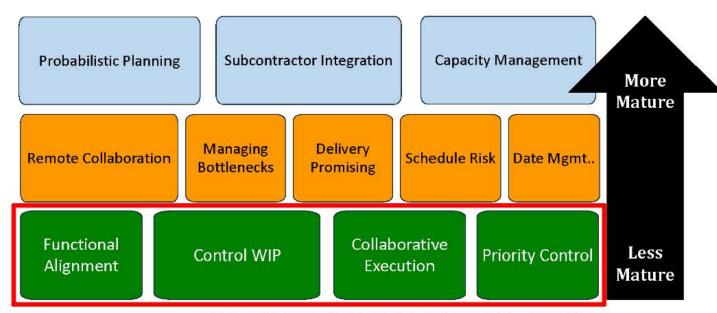


Project Execution Maturity Model (PEMM)

Integrated Planning & Execution

Improved Coordination

Basic Collaboration



Visual Portfolio Boards & Stand-Up Meetings



3-Day Workshop





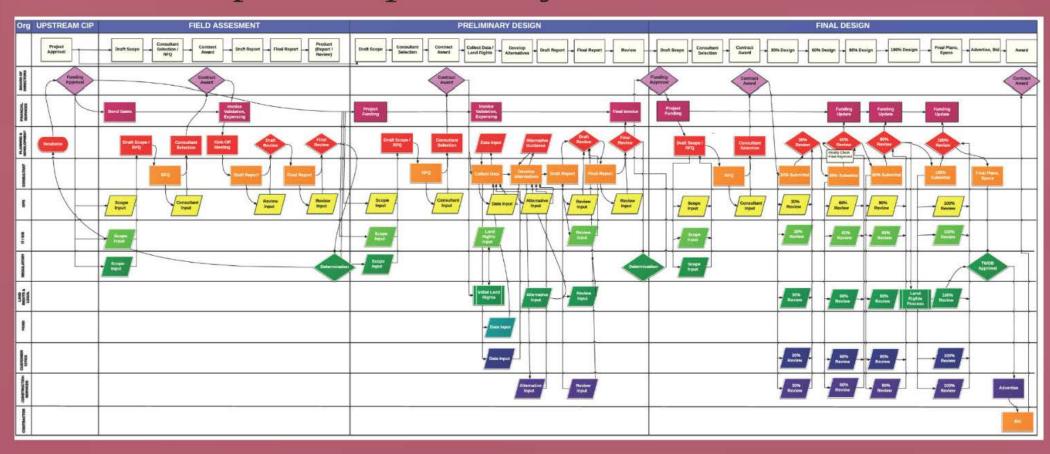




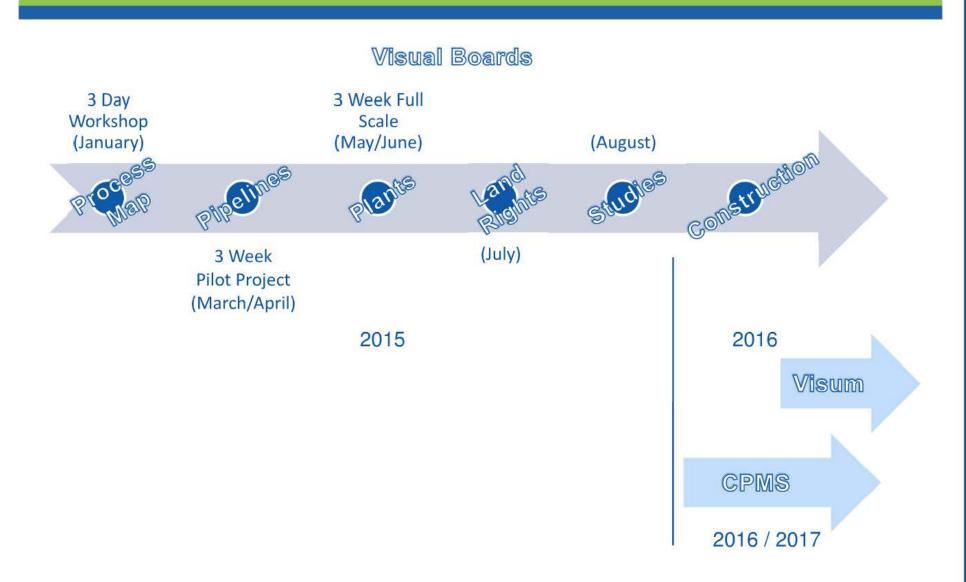




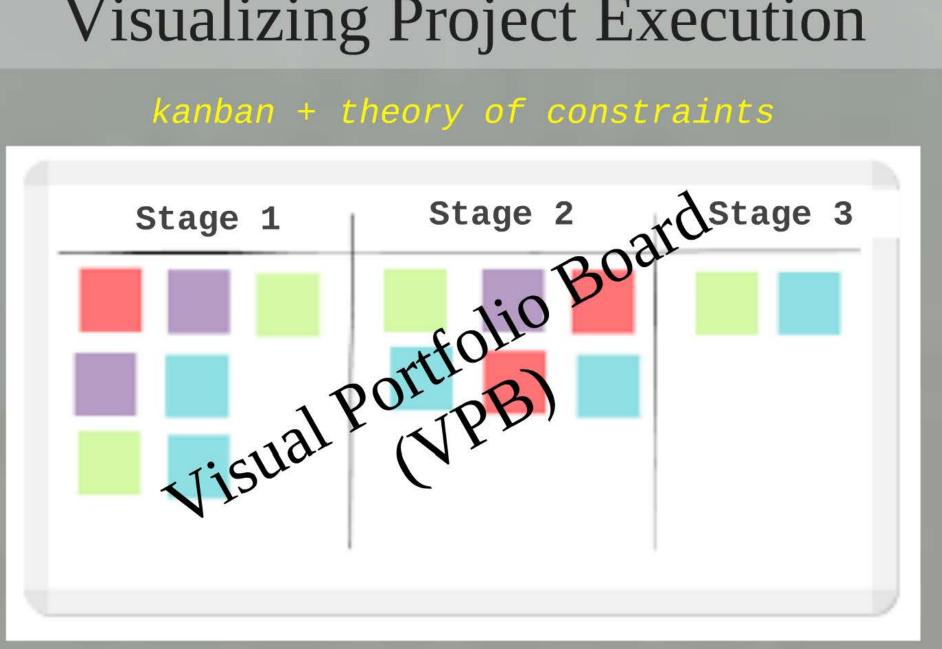
Map the Capital Project Execution Process



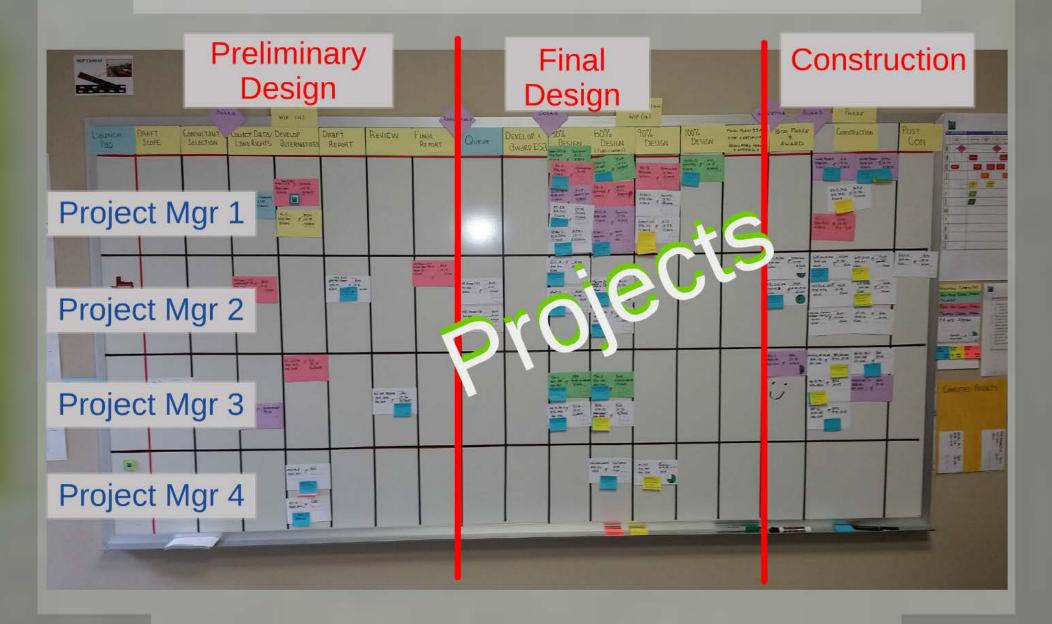
Project Execution Improvement Schedule



Visualizing Project Execution



TRA Visual Portfolio Board



Weekly Stand-Up Meetings

- -15 minutes per board
- -focus on yellow/red velocity issues
- -publicize advances
- -reaffirm priorities
- -realignments

MAKE YOUR MOVES ON MONDAY!

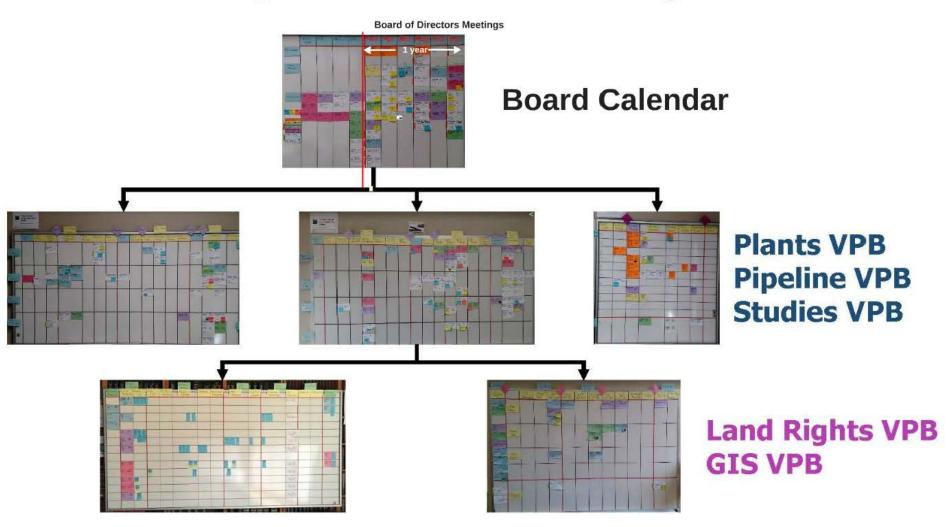






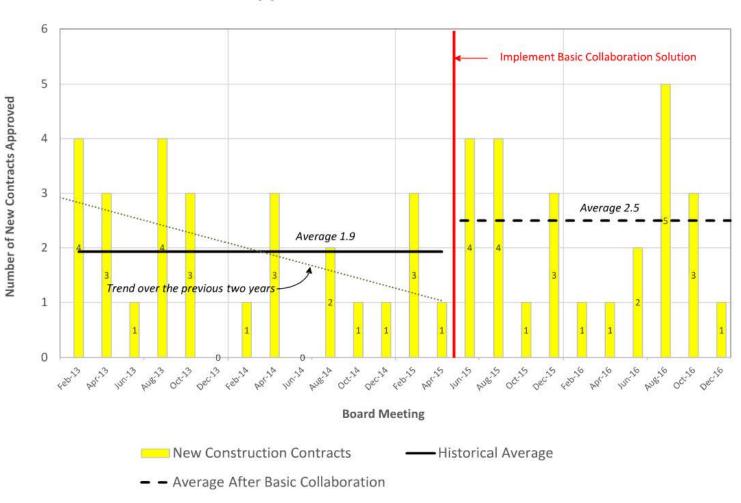


A Fully Synchronized Capital Project Execution Program



Visual Board Metrics

Board Approved Construction Contracts



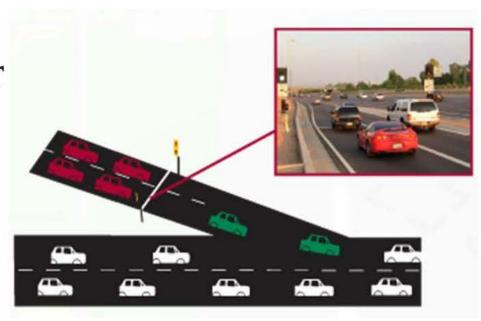
Monthly Group Leader Calendar Execution Meeting

- Planning & Development
- Land Rights & Legal
- Construction Services
- Operations
- Accounting

TRA Board Calendar

WIP Control

Nork in Process!!



Project Execution Maturity Model

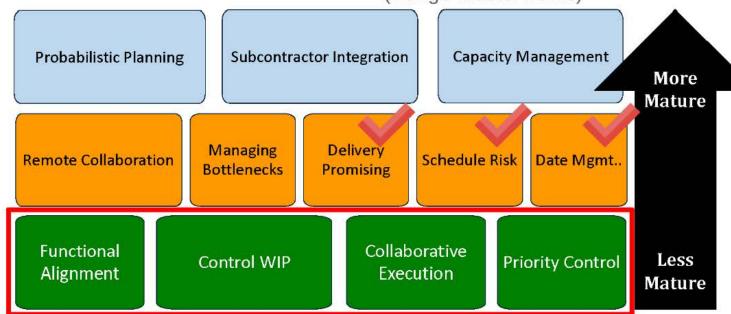
Capital Program Management System (CPMS)

(Aurigo Masterworks)

Integrated Planning & Execution

Improved Coordination

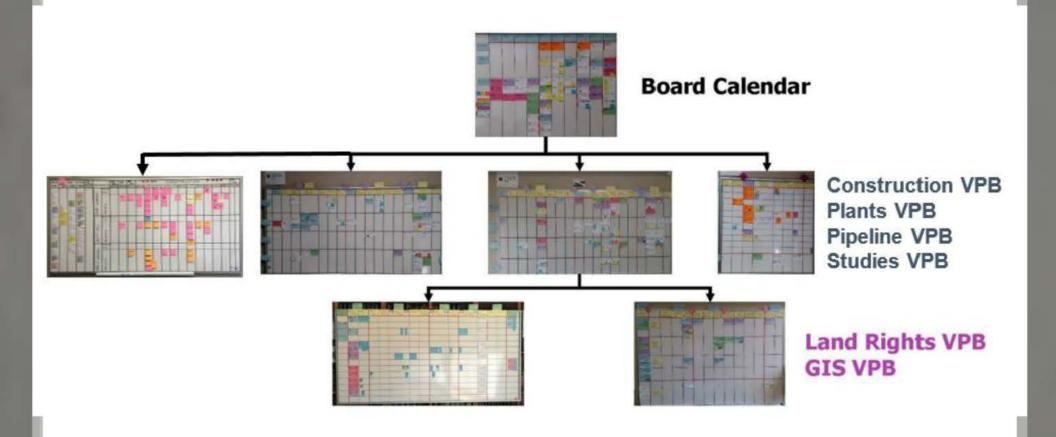
Basic Collaboration



Visual Portfolio Boards & Stand-Up Meetings

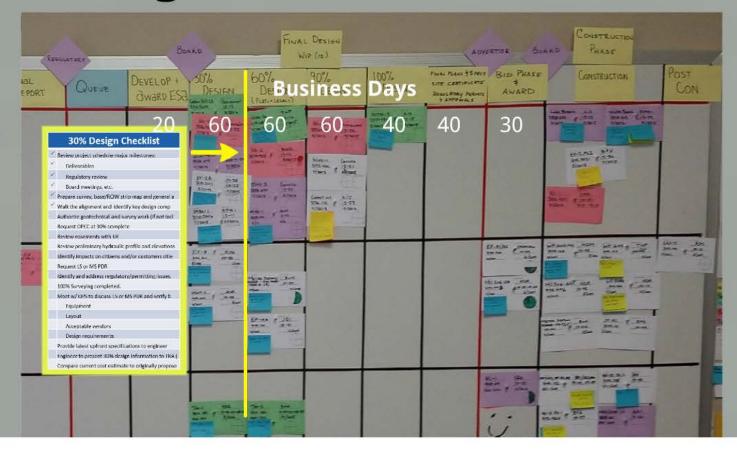


A Fully Synchronized Capital Project Execution Program

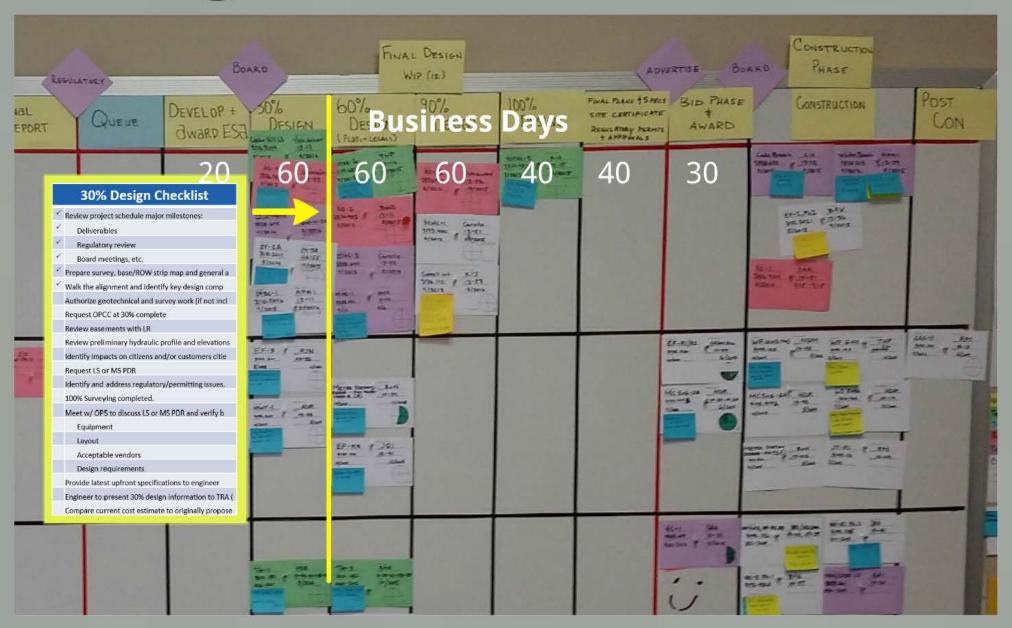


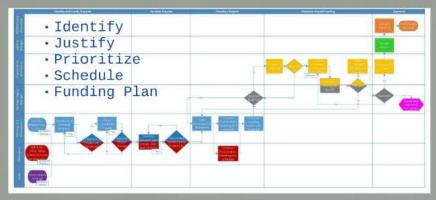


Project Execution



Project Execution



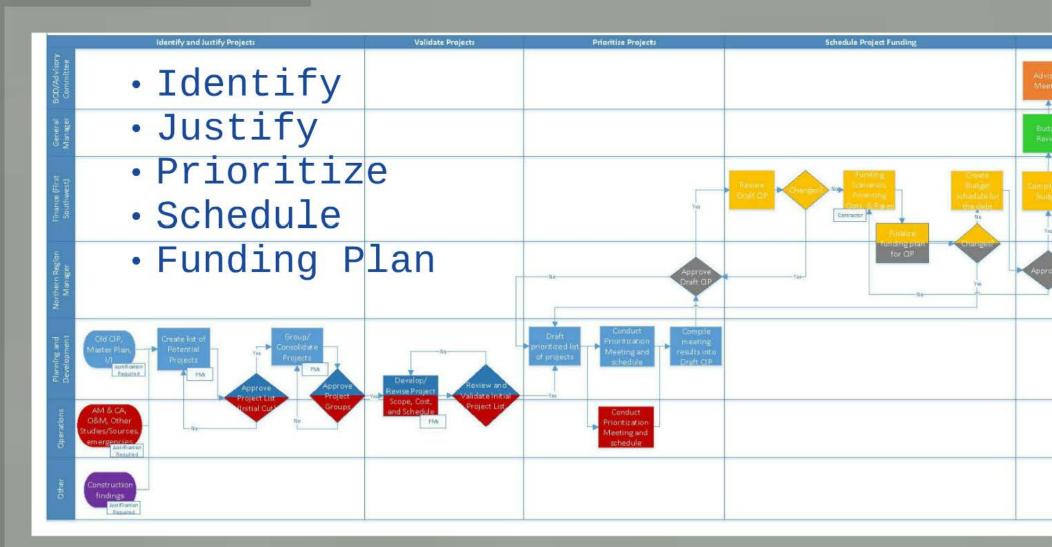


CIP Workflow

Capital Planning

Project Execution





Capital Planning

Capital Program Management System (CPMS - Masterworks)

Planning

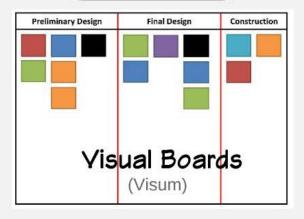
Funding

Capital Improvement Plan

- Contract Approval
- Accounting Setup
- Project Schedule
- Task Management
- · Contract Invoice Approval
- Project Closeout

Execution (engineering)

- CIP Project Inventory
- Project Scoring
- Budget Development
- Funding Scenarios
- Program Schedule
- Document Management
- Reporting
- Dashboards
- Workflows & Alerts
- Issues Log
- Resource Management



Accounting System

Construction Management System

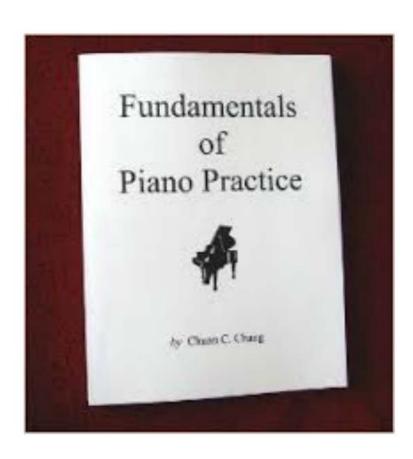
Execution (construction)

Asset
Management
System

Operation

Practice...

noun



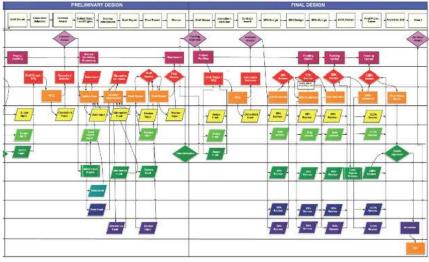
verb



Practice...

Information









Some reasons the visual board works...

- It is well designed (tailored)
- It is simple
- We know where it is (not buried)
- · We know how to use it
- · We all do use it
- · We all use it together (group support)
- We all use it frequently
- · We keep it up to date
- · We realize an obvious and immediate benefit



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