NetPoint + GPM
CONFERENCE

May 16, 2024 | **Online**

Master Schedule Development & Management Using NetPoint

Amanda DavyRomano & Matthew Helner



Agenda

01

Presenter Intro

02

Project Overview

03

Challenges & Risks

04

Where We Started

05

NetPoint Wins

06

Tips for Success



Meet the Presenter

Amanda DavyRomano

Ms. DavyRomano is a seasoned project management and controls expert. She has been engaged in a variety of projects throughout her career with PMA, from schedule reviews and analysis in support of claims analysis, to project management and controls on multi-million-dollar construction projects, building strong relationships with her teams and clients along the way.



Meet the Presenter

Matthew Helner

Mr. Helner has substantial experience as a project manager and civil engineer. He has a successful track record of delivering a diverse portfolio of construction projects in multiple industries, including transmission and distribution, refineries, and aviation facilities. He is a proven troubleshooter and effective problem solver with a strong ability to adapt and lead cross-functional project teams.

Project Overview

PMT Award

PMA was selected to lead the **Project Management Team.**

Construction

Construction is phased with multiple work packages and is set to kick off in August this year.



Programming Kick Off

Analytical programing based on client's forecasted growth beyond 2030 to determine building size and in-service date.

Design Kick Off

With the AE and CMAR now on board, **Design kick off** took place late October 2023 with a three-day workshop, which included an initial schedule planning workshop using NetPoint to confirm the target date was achievable.

Go-Live

Started with the end goal in mind. The aggressive **Go-Live** date must be maintained to meet the client's projected growth and target in-service dates of other large capital programs.

SCHEDULE CHALLENGES & RISKS

01

Driver for the Project Need

The project is driven from the client's forecasted flight and passenger **growth**. The existing aging facility will not be able to meet the demand.

02

Committed Go-Live Date

The **go-live** is very aggressive for greenfield construction. The client requested a year+ be taken off the schedule during the programming phase to align with growth forecasts and contractual obligations. NetPoint provided a means for the team to find a path to align the schedule with the committed dates.

03

Permitting Requirements

There are numerous federal, state, and local jurisdictional authorities each with their own **permitting requirements**. NetPoint was used to align permitting requirements with the design and construction schedules.

SCHEDULE CHALLENGES & RISKS (CONT.)

04

Master Schedule Ownership

At project kick off there were three schedules; owner, designer, and contractor. NetPoint was used to merge all plans into a single **Master Schedule**. The master schedule is maintained by the Owner/PMT with weekly input from the designer and contractor.

05

Stakeholder Management

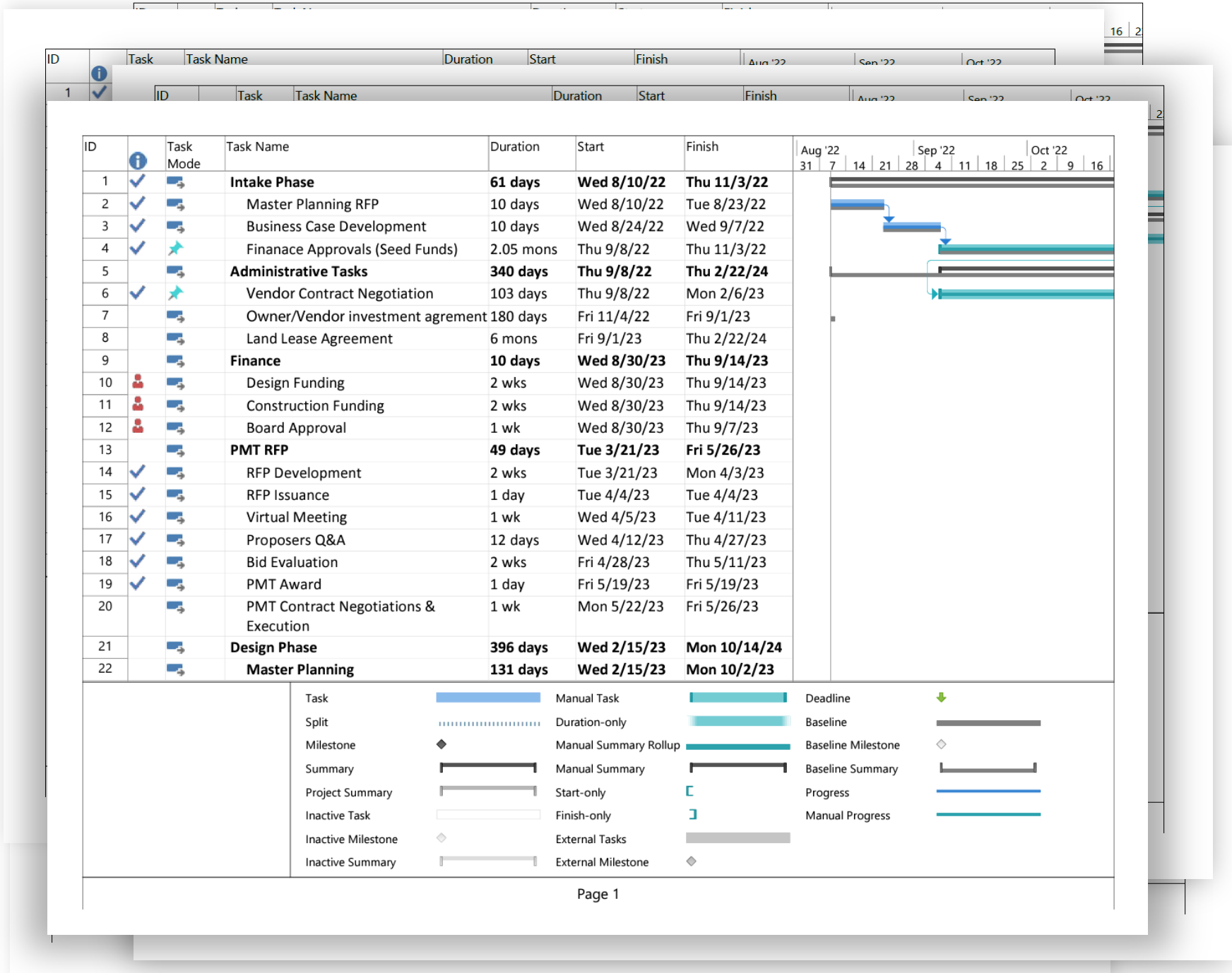
The project stakeholder list is vast with **many stakeholders** not having project management experience. NetPoint allows to stakeholders to easily understand the project timeline and improves decision making.

Where We Started…

Microsoft Project schedule with multiple hands in the schedule.

Placeholder and high-level activities based on assumptions.

Concern with being able to meet the target turn over date.



ID	Task Mode	Task Name	Duration	Start	Finish
1		**Intake Phase**	**61 days**	**Wed 8/10/22**	**Thu 11/3/22**
2		Master Planning RFP	10 days	Wed 8/10/22	Tue 8/23/22
3		Business Case Development	10 days	Wed 8/24/22	Wed 9/7/22
4		Finanace Approvals (Seed Funds)	2.05 mons	Thu 9/8/22	Thu 11/3/22
5		**Administrative Tasks**	**340 days**	**Thu 9/8/22**	**Thu 2/22/24**
6		Vendor Contract Negotiation	103 days	Thu 9/8/22	Mon 2/6/23
7		Owner/Vendor investment agrement	180 days	Fri 11/4/22	Fri 9/1/23
8		Land Lease Agreement	6 mons	Fri 9/1/23	Thu 2/22/24
9		**Finance**	**10 days**	**Wed 8/30/23**	**Thu 9/14/23**
10		Design Funding	2 wks	Wed 8/30/23	Thu 9/14/23
11		Construction Funding	2 wks	Wed 8/30/23	Thu 9/14/23
12		Board Approval	1 wk	Wed 8/30/23	Thu 9/7/23
13		**PMT RFP**	**49 days**	**Tue 3/21/23**	**Fri 5/26/23**
14		RFP Development	2 wks	Tue 3/21/23	Mon 4/3/23
15		RFP Issuance	1 day	Tue 4/4/23	Tue 4/4/23
16		Virtual Meeting	1 wk	Wed 4/5/23	Tue 4/11/23
17		Proposers Q&A	12 days	Wed 4/12/23	Thu 4/27/23
18		Bid Evaluation	2 wks	Fri 4/28/23	Thu 5/11/23
19		PMT Award	1 day	Fri 5/19/23	Fri 5/19/23
20		PMT Contract Negotiations & Execution	1 wk	Mon 5/22/23	Fri 5/26/23
21		**Design Phase**	**396 days**	**Wed 2/15/23**	**Mon 10/14/24**
22		**Master Planning**	**131 days**	**Wed 2/15/23**	**Mon 10/2/23**

Aug '22 | Sep '22 | Oct '22
31 7 14 21 28 4 11 18 25 2 9 16

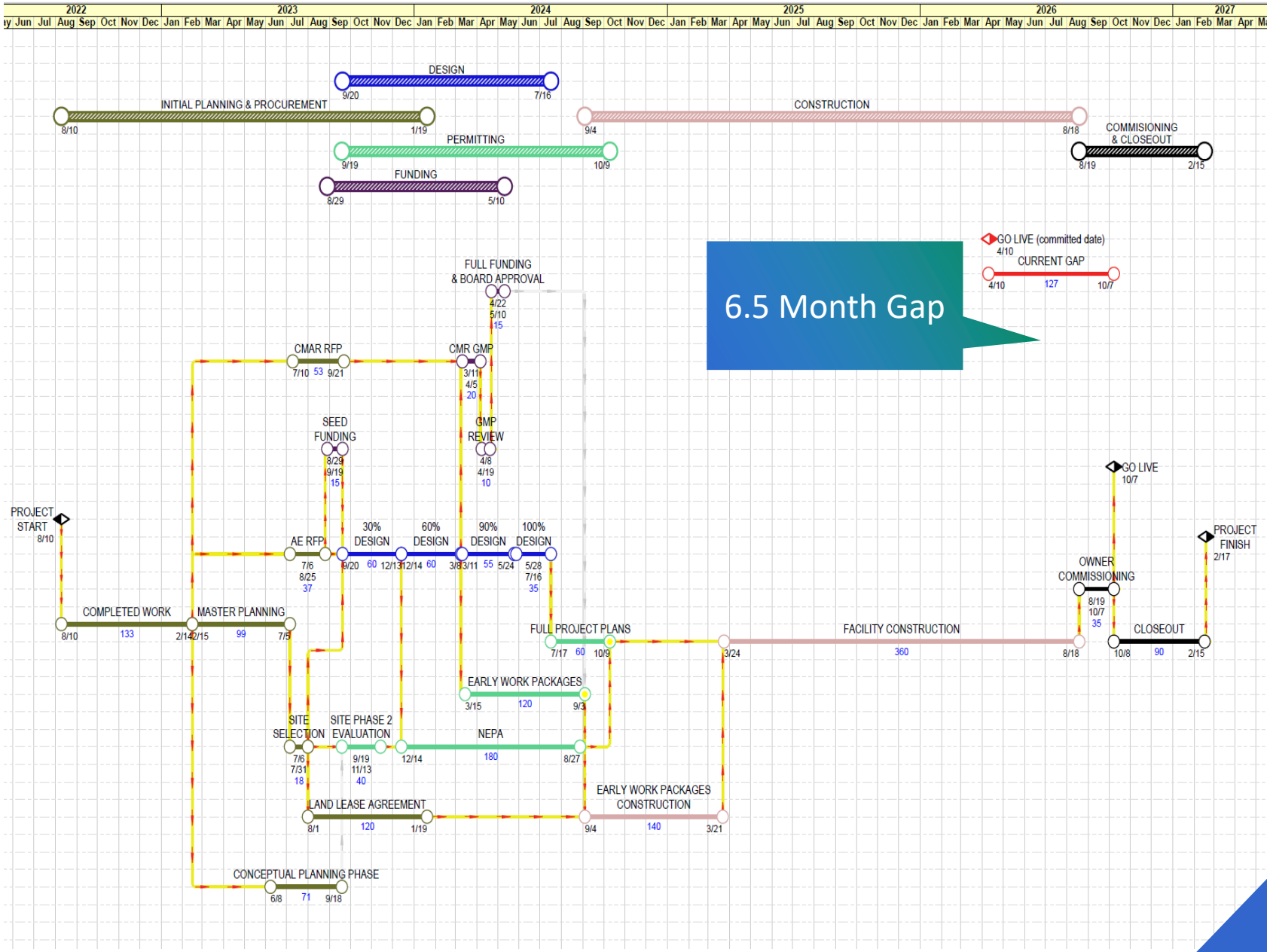
Task | Manual Task | Deadline
Split | Duration-only | Baseline
Milestone | Manual Summary Rollup | Baseline Milestone
Summary | Manual Summary | Baseline Summary
Project Summary | Start-only | Progress
Inactive Task | Finish-only | Manual Progress
Inactive Milestone | External Tasks
Inactive Summary | External Milestone

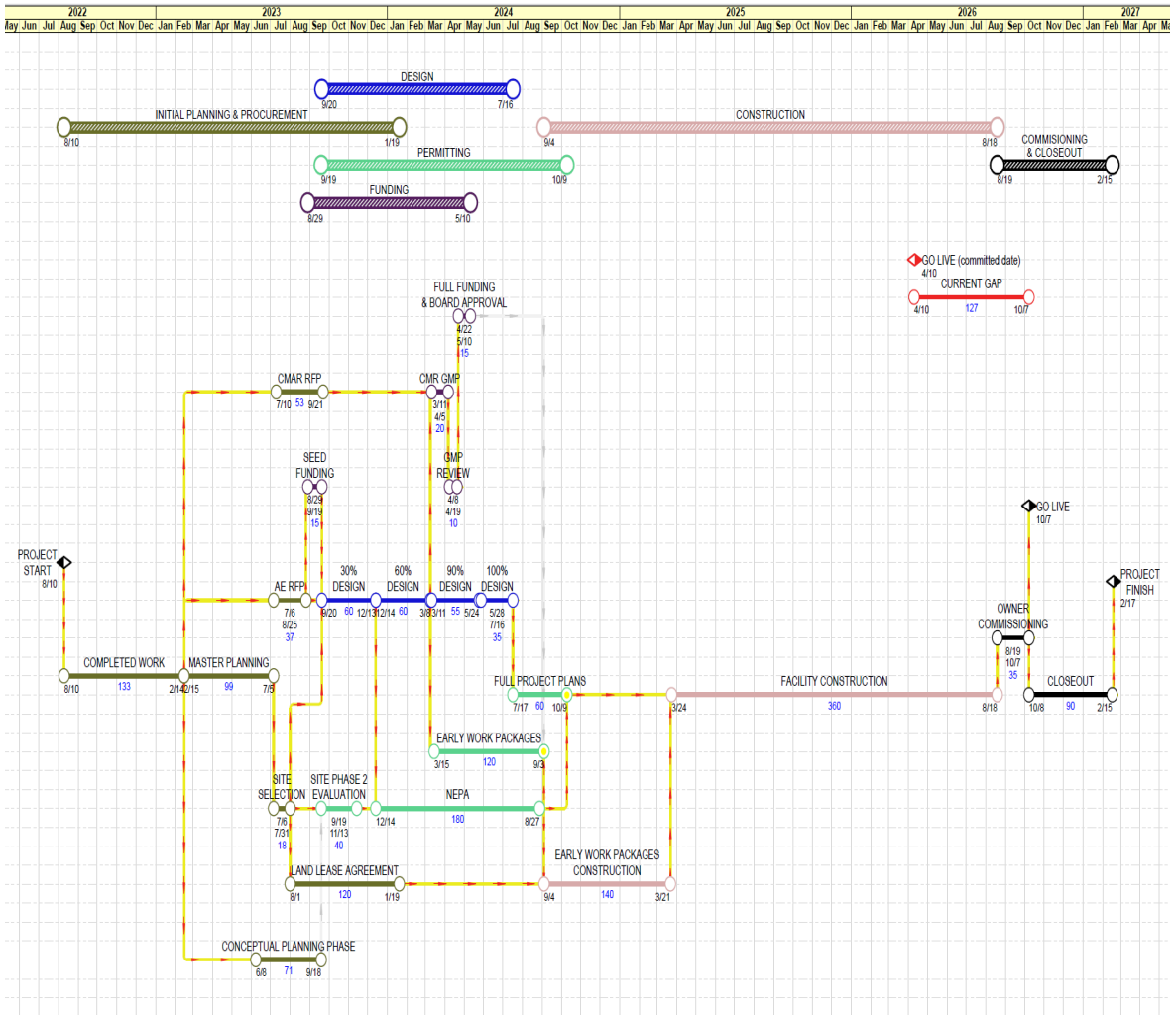
Page 1

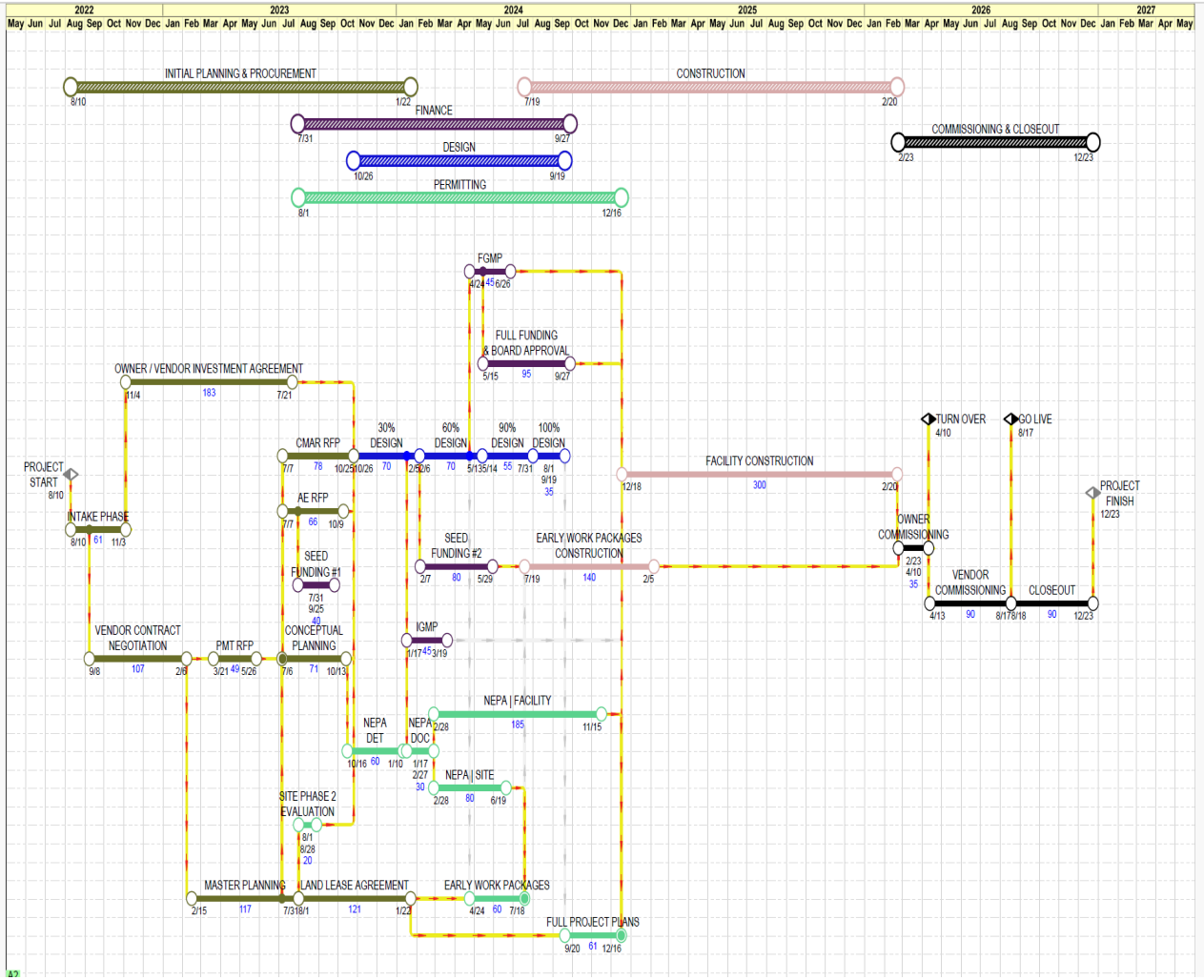
Summarized Schedule…

Utilized **NetPoint** to develop a one-page overall summary of the more detailed master schedule, highlighting the key drivers and activities.

NetPoint helped to identify flaws and logic issues, which caused a 6.5-month gap between the target and shown turn over dates.







BACK ON TRACK

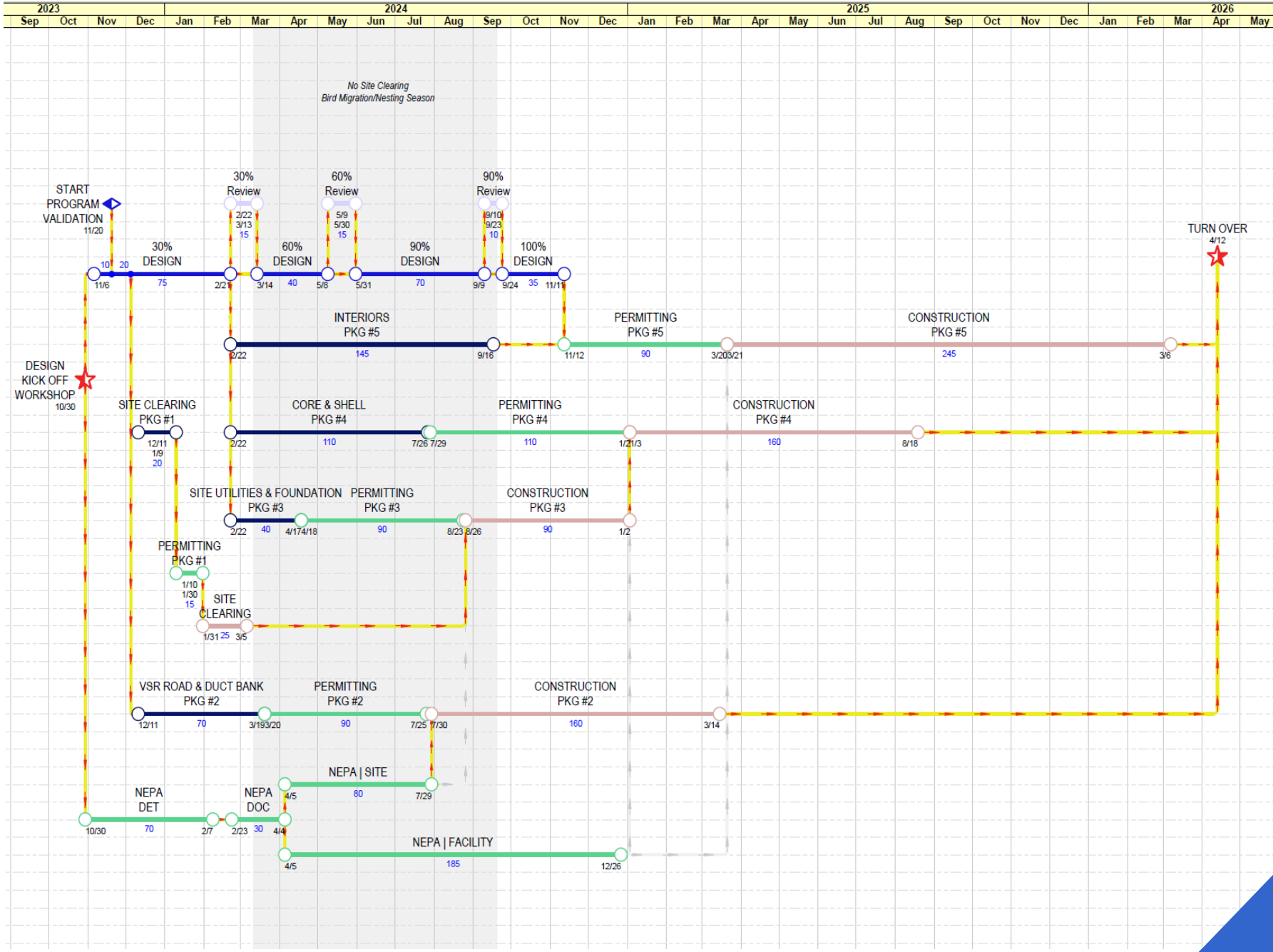
NetPoint allowed us to further analyze the overall master schedule, identify and correct the issues and gaps, ultimately allowing us to bring the schedule back on track with the targeted turn over date and a path forward for continuing to build out the schedule details.

Continued Use of NetPoint…

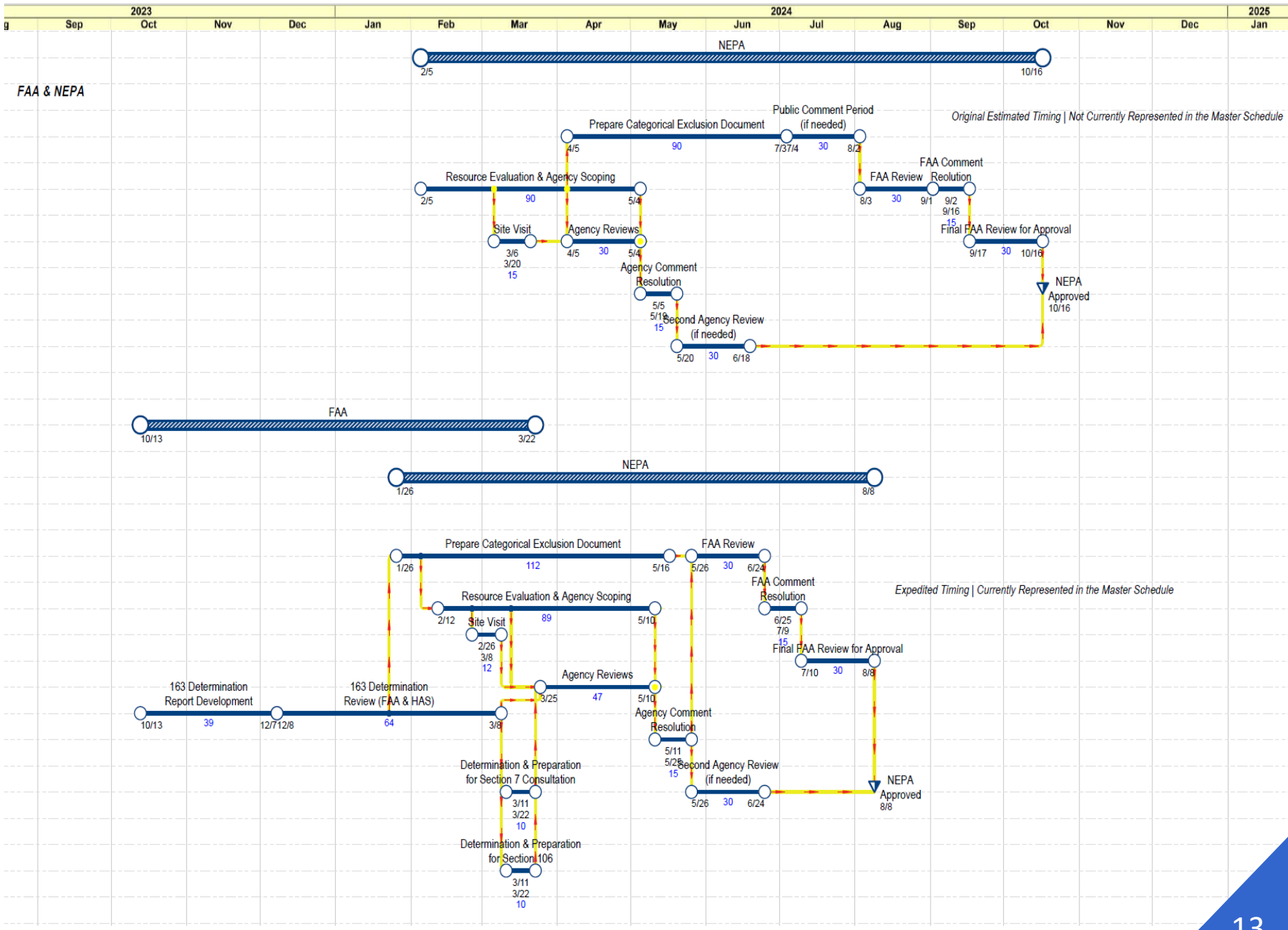
NetPoint as a tool to help problem solve, further plan & sequence tasks, facilitate discussions, scenario plan, and drive decision-making.



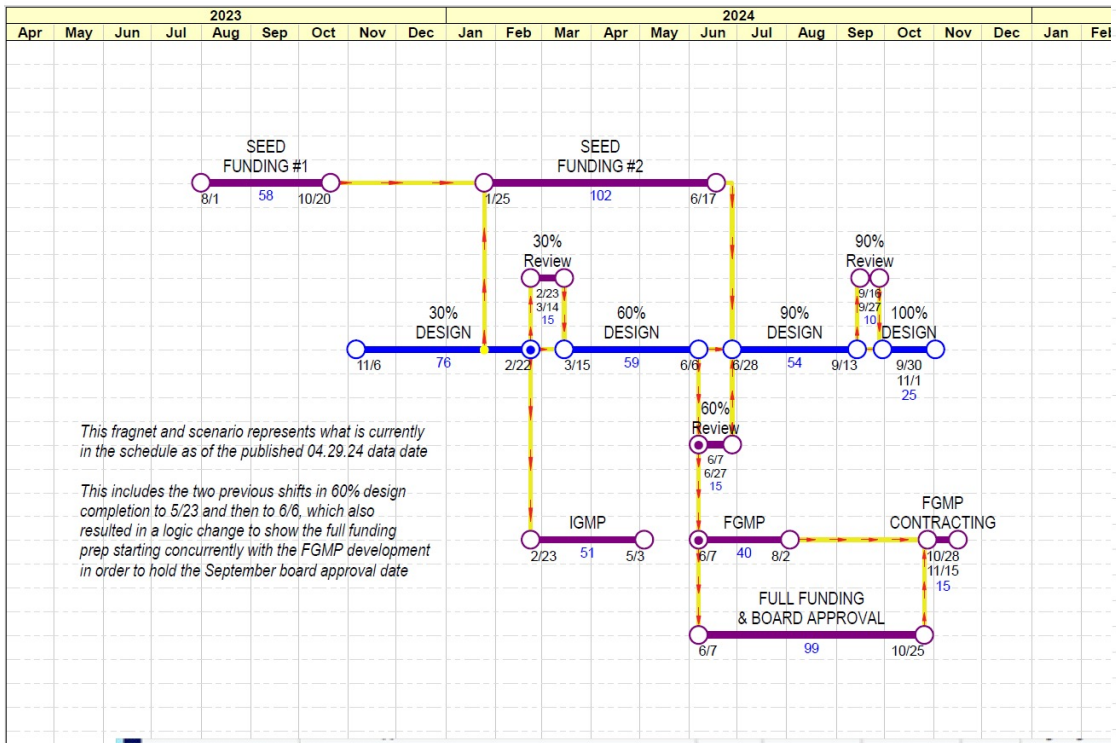
Interactive Planning...



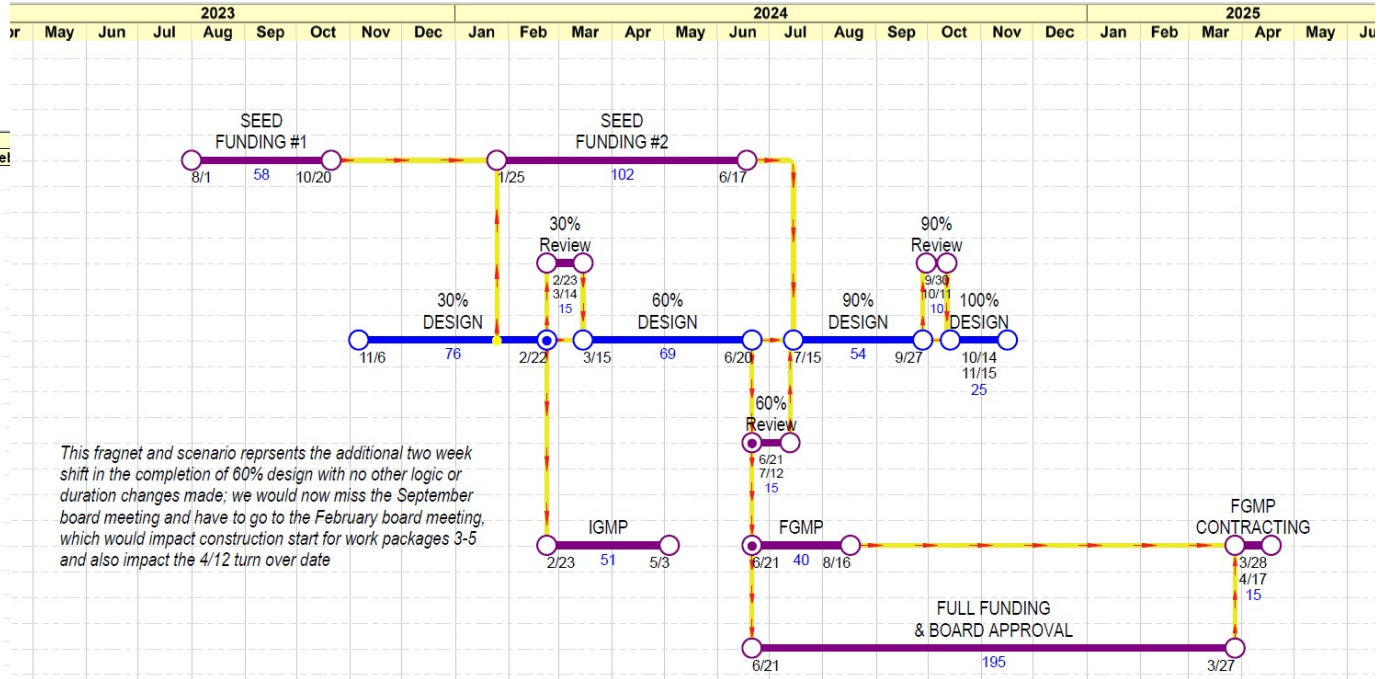
Permitting Planning…



Funding Strategy…

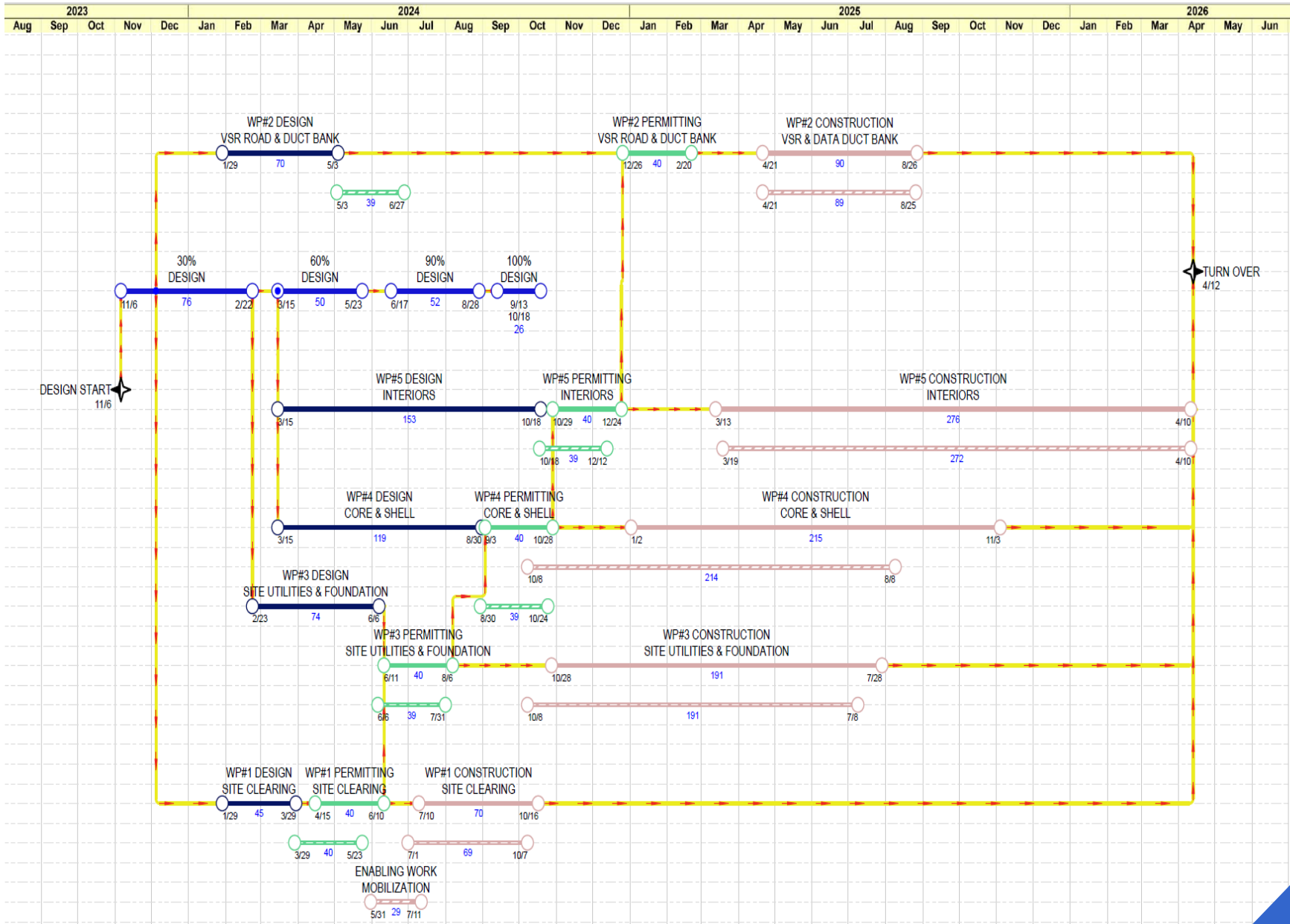


Full Funding		99	07-Jun-24	25-Oct-24	10	
IAH-FN-1600	FF Buiness Plan Development & Review	15	07-Jun-24	27-Jun-24	9	
IAH-FN-1650	FF Internal Review	6	28-Jun-24	08-Jul-24	9	
IAH-FN-1700	FF FP&A Internal Review	2	09-Jul-24	10-Jul-24	9	
IAH-FN-1750	FF Capital Panel Meeting	0	23-Jul-24		1	
IAH-FN-1800	FF Board Presentation Development	35	23-Jul-24	10-Sep-24	4	
IAH-FN-1850	FF Plan Plus Submission & Approval	30	16-Sep-24	25-Oct-24	10	
IAH-FN-1900	FF Board Approval	0	16-Sep-24		1	Need to Hold This Date
Permitting		354	13-Oct-23 A	06-Mar-25	31	



Full Funding		194	21-Jun-24	27-Mar-25	0
IAH-FN-1600	FF Buiness Plan Development & Review	15	21-Jun-24	12-Jul-24	106
IAH-FN-1650	FF Internal Review	6	15-Jul-24	22-Jul-24	106
IAH-FN-1700	FF FP&A Internal Review	2	23-Jul-24	24-Jul-24	106
IAH-FN-1750	FF Capital Panel Meeting	0	13-Aug-24		10
IAH-FN-1800	FF Board Presentation Development	35	13-Aug-24	01-Oct-24	93
IAH-FN-1850	FF Plan Plus Submission & Approval	30	14-Feb-25	27-Mar-25	0
IAH-FN-1900	FF Board Approval	0	14-Feb-25		0

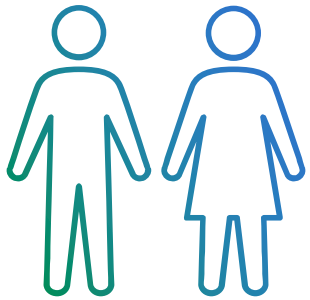
Work Package Planning…



TIPS FOR SUCCESS

Successfully introducing an innovative planning tool

Audience



Prep Work



Interactive



NetPoint + GPM CONFERENCE

May 16, 2024 | **Online**

Thank You!

Any Questions?

Amanda DavyRomano

Senior Director, PMA Consultants

adavyromano@pmaconsultants.com

Matthew Helner

Director, PMA Consultants

mhelner@pmaconsultants.com