

# Capital Project Delivery Project End Date Guidance

## **Introduction**

The NJDOT has developed project end date guidance for Capital Project Delivery (CPD) projects. This guidance includes an explanation for the methodology for determining the timeframes and an average end date timeframe for design and construction Federal authorizations. The end date timeframe represents the average time from a designated activity/date in the project delivery process to the completion of de-authorization of funds.

## **Design (PE & FD) End Dates**

Design end dates are more complex to calculate than construction end dates because of the numerous variables involved at this stage of project development. In a perfect design scenario, assuming everything will go as planned, it's possible to estimate a nominal end date timeframe of 4 to 6 months. However, as we know this rarely occurs. Design issues and delays are so frequent that sound judgment demands a more practical approach. In order to develop as accurate an end date timeframe as possible, the NJDOT identified the following issues/delays that have had a potentially negative impact on the schedule:

### **End dates for PE are affected by the following issues (not all inclusive):**

- Delays in completing the Environmental Document/Environmental Issues
- Historical issues with SHPO
- Community Issues/Political Issues/Political Engineering
- Untimely feedback from Project Stakeholders (internal or external)
- Scope changes
- Issues with approval of SME comment resolution
- FD funding constraints in STIP

### **End dates for FD are affected by the following issues (not all inclusive)**

- Changes in ROW/ ROW availability issues/Green Acres Issues
- Changes in access affecting ROW
- Permitting issues with the DEP, Pinelands, ACOE, Coast Guard and others.
- Community/Political issues/ Political Engineering
- Traffic Staging/detour issues with community and/or county
- Jurisdictional issues
- Untimely feedback from Project Stakeholders (internal or external)
- Issues with approval of SME comment resolution
- Construction funding issues in STIP

Based upon the above identified common issues/delays, the end date timeframe would be **12 months for PE** and **18 months for FD**. The designated activity in the CPD process that begins the end date time frame for PE is the completion of “Authorize FD”. Similarly, the designated activity in the CPD process that begins the end date time frame for FD is the completion of “Receive authorization to Advertise”.

**End dates for Limited Scope Projects**

- For Limited scope projects which have no right way, permits and limited or no utilities, an end date of **6 months** from the project delivery activity “Receive Authorization to Advertise” is recommended.
- For those limited scope projects which have any of the following elements: ROW (usually with ADA), utilities, signal upgrades and permits, an end date of **12 months** from the project delivery activity “Receive Authorization to Advertise” is recommended.

**Construction End Date Guidance**

The construction end date was developed based upon the construction project cost, with the assumption that a larger cost usually means more issues and delays. The following reflects the assumed current average timeframe for an end date on a construction contract:

Current Average time frame for End date on Construction Contract				
Project Complexity	FINAL ACCEPTANCE	FINAL VOUCHER	CLOSEOUT IN FMIS	End date
	(Contract Completion date; Acceptance inspections; Follow through with corrective work till Actual Completion date.; Initiate Contract close-out; preparation and execution of Department's Acceptance package)	(As Builts; Certification of Compliance; Final Change order; Final Estimate; proposed Final Certificate; Final Certificate; Federal Close- out package of Construction Contract(7a package); other 7a package s from various offices.	(Tasks by other units including FHWA to move the construction Contract and all other associated Fed Agreements from Step 7a to 9 in FMIS)	
Project under \$ 25 M	6 months	8 months	8 months	22 months
Project over \$ 25 M	8 months	14 months	12 months	34 months

Based upon the above identified construction closeout out work, the end date time frame would be **22 months for projects under \$ 25 M** and **34 months for projects over \$ 25 M**. The designated starting point that begins the end date timeframe for construction is the contract completion date that is specified in the project construction specification.