

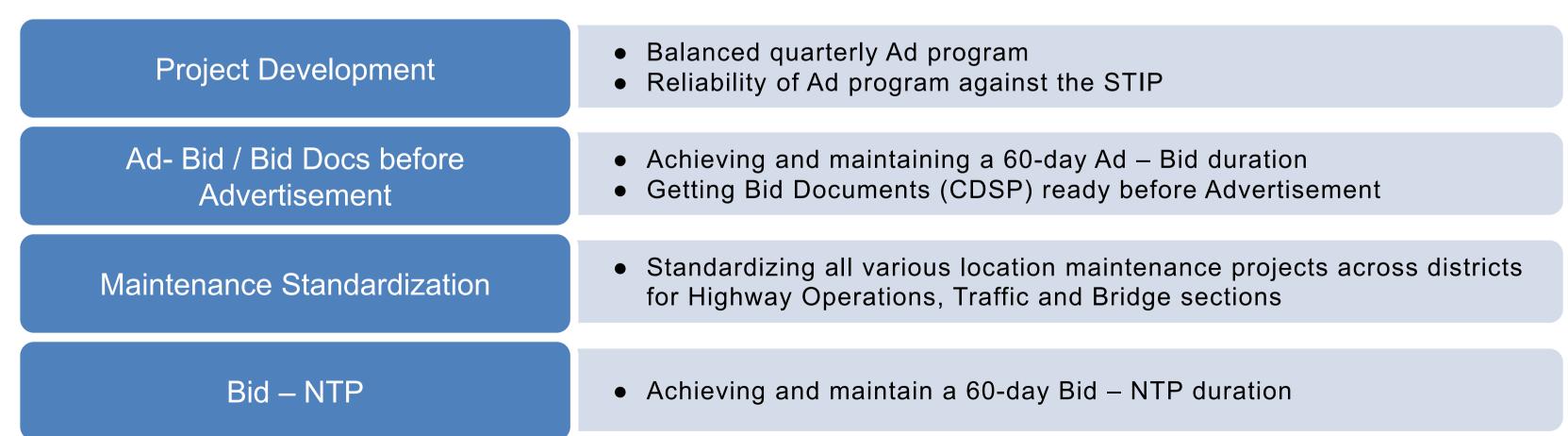
Overview

- Between May 2019 and May 2021 the Highway Division streamlined part of the Capital Delivery Process; we cut 150 days between project advertisement and construction NTP.
- We used an Agile Scrum approach to the process improvement projects which enabled us to have enhanced collaboration, transparency, and greater frequency of feedback from senior leaders.
- Highway collaborated with the Secretary's Office, Office of Transportation Planning, OPMI, Fiscal, Legal and ODCR to achieve these results.
- We are using dashboards and monthly check in meetings to ensure that we sustain results.



Cross Departmental Teams Empowered Through Agile Scrum

- Utilizing small autonomous teams (workstreams) to tackle discrete segments of the Capital Delivery Process based on Data.
- Establishing appropriate goals and identifying the tasks necessary to achieve them.
- Weekly Scrum of Scrums communication with project and workstream leadership to provide overall status on progress towards goals.
- Providing summarized updates and dashboard reviews to the Executive Steering Committee.





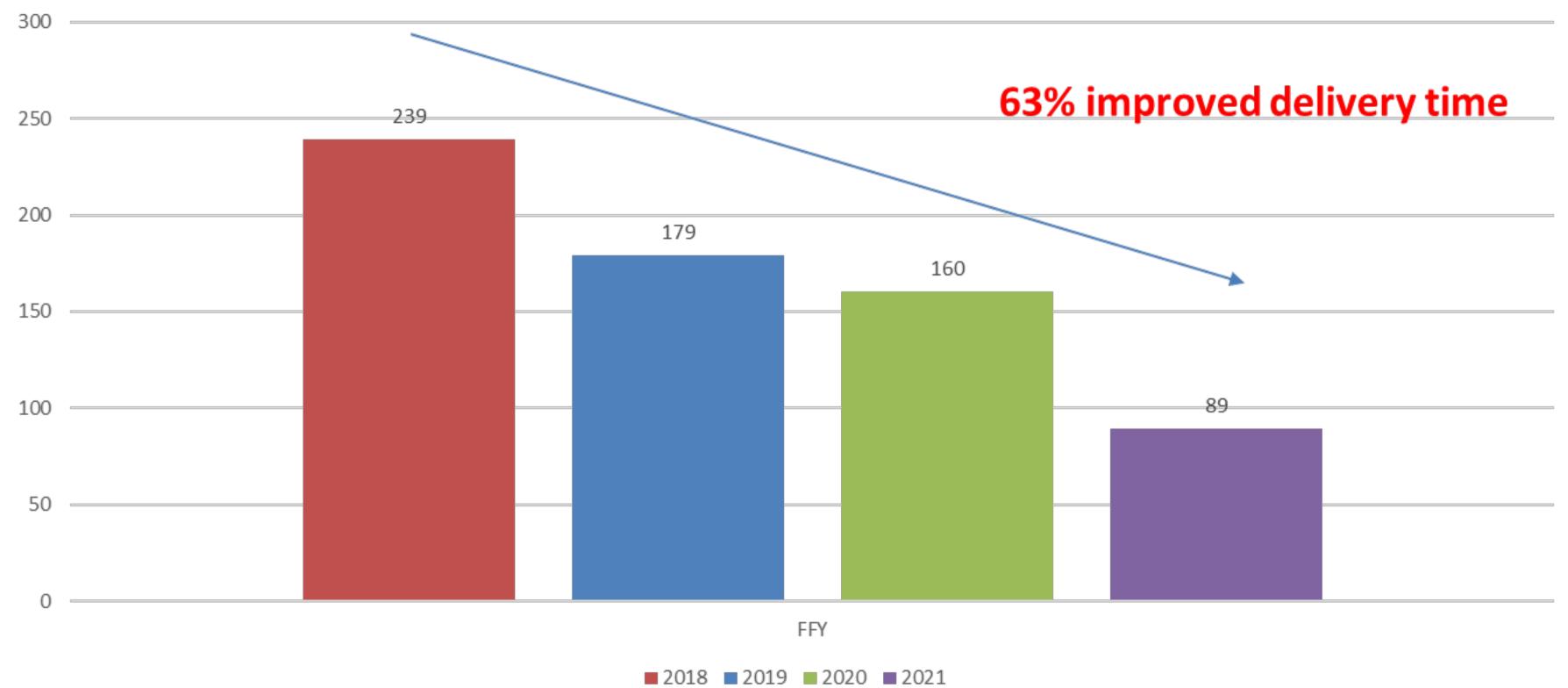
How These Improvements Were Achieved





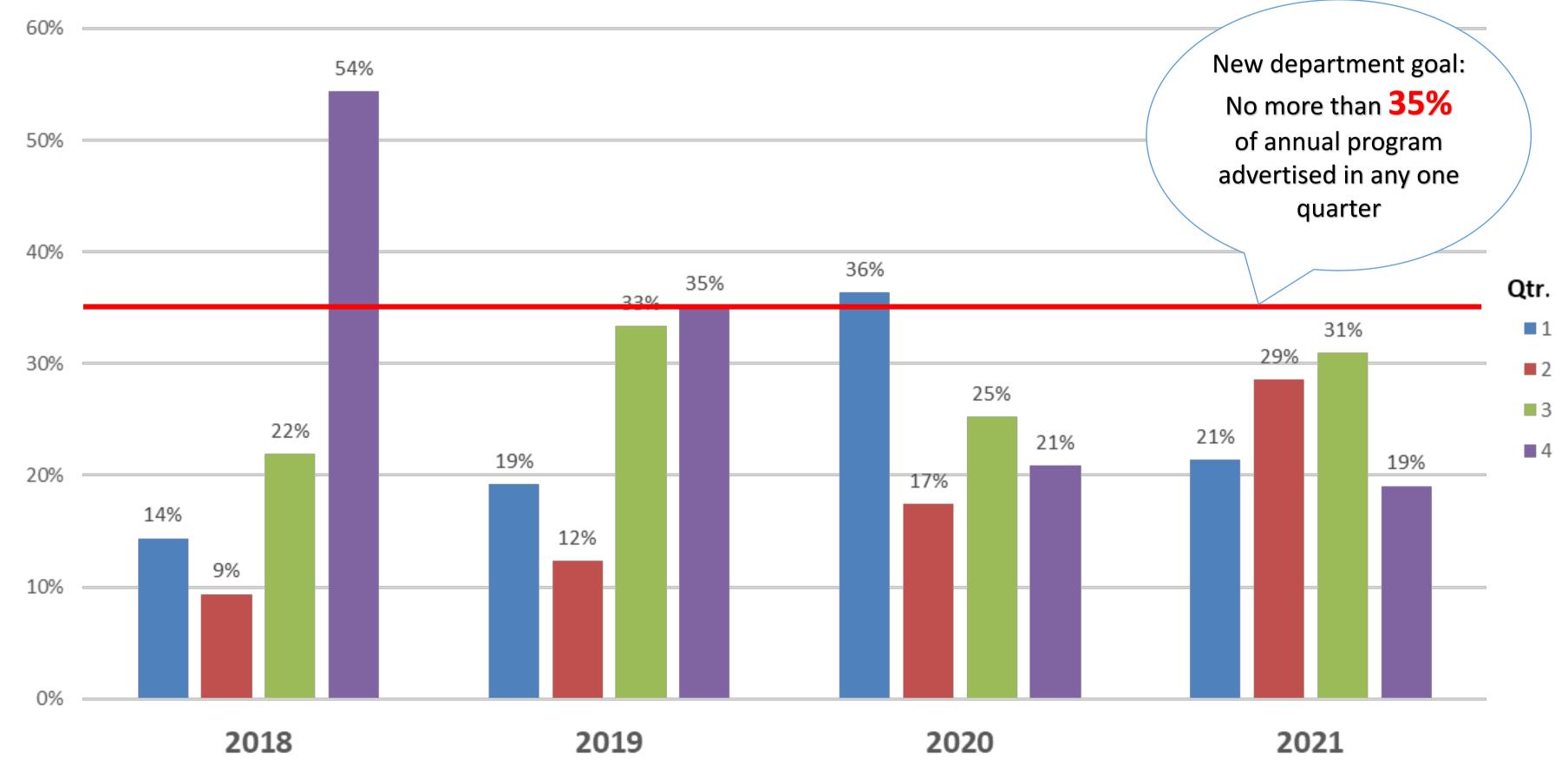
To Date, 150 days saved on NFA and Federal Aid Project Delivery







Over the course of four years, Highway has reduced the proportion of projects advertised in the fourth quarter



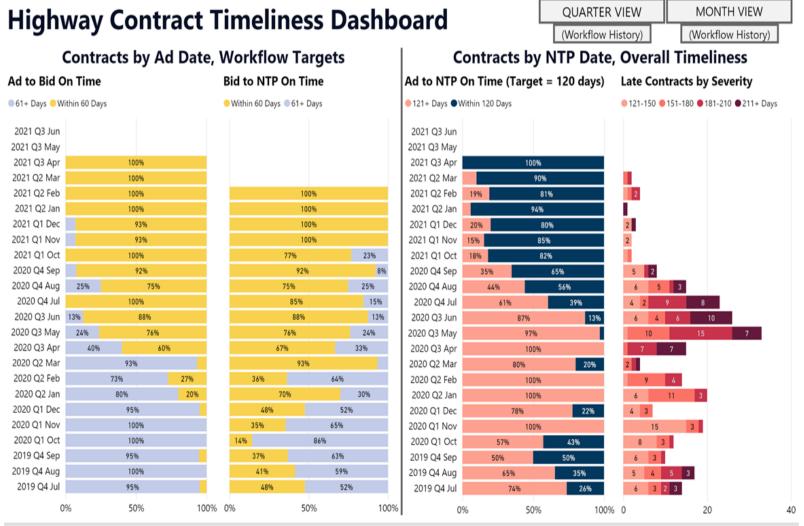


Keeping on Track

- Weekly monitoring of advertisement program through the Fiscal Year to ensure no quarter exceeds 35% of the total plan
- Tracking and monitoring projects from Advertisement through NTP with goal of <120 days

Executive Dashboard created to provide high-level insight into the continued effects of process improvement and capacity to accommodate growth







Sustained Success

Highway Division PMO working in concert with MassDOT PMO

- ✓ Ensure teams have the right tools and resources
- ✓ Continue to iterate and learn in order to drive performance of our core functions
- √ Remove impediments and blockers to ensure advancement of goals
- ✓ Promote transparency and cross department collaboration
- ✓ Leverage a mindset of ever-evolving efficiencies that can accommodate new developments and areas of expansion

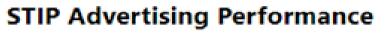


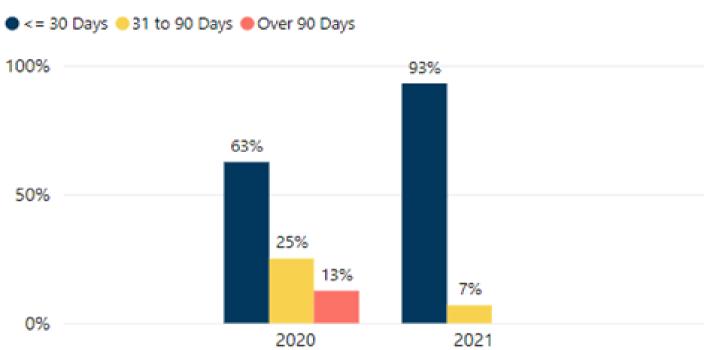
Appendix



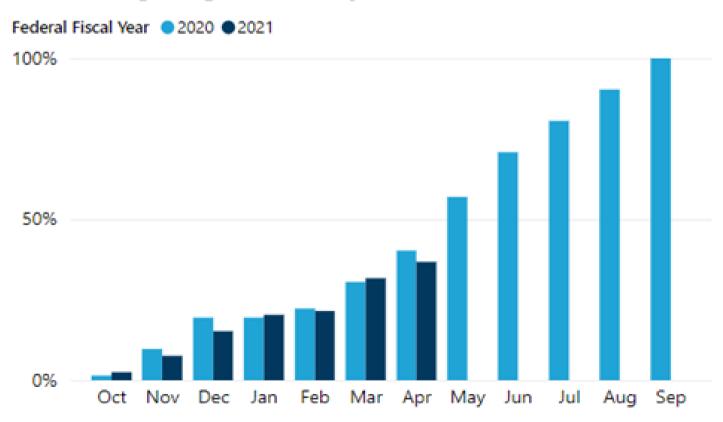
Executive Dashboard

Project Advertising Summary





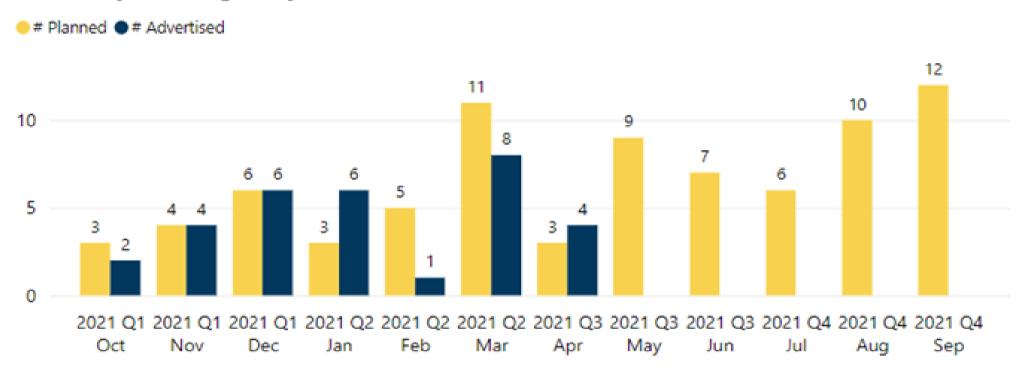
Advertising Progress History: Percent of STIP Advertised



QUARTER VIEW

MONTH VIEW

STIP Projects Originally Planned vs. Advertised



Non-STIP Projects Originally Planned vs. Advertised



Note: Redistribution projects may result in the number of projects advertised to exceed the number of projects originally planned for the period.



Executive Dashboard (continued)

Highway Contract Timeliness Dashboard

