

Planning as an Integral Part of Program Implementation

FRA Rail Program Delivery Conference

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Planning in Five Parts

Service Planning – Passenger Train and Passenger-on-Passenger Train Plans

- **Merge Track & Signal and Maintenance Assumptions with Train Characteristics with Meets with Passes with Station Arrivals and Departures by Track**

Maintenance of the Improved Plant

- **Define Required Future Work**
- **Design Necessary Work Windows to Accomplish Future Work**

Integrated Freight/Passenger Operations Planning

- **Protect Latent Capacity**
- **Identify Physical Constraints**
- **Build and Run Randomized Operating Scenarios**
- **Measure On-Time Performance and Transit Times**

Planning in Five Parts

Integrated Construction and Service Planning

- **Build Project and Program Construction Windows**
- **Overlay Train Movements**
- **Create a Service and Construction Plan that Achieves both Construction and Service Objectives**
- **Dispatch Trains and Carryout Construction Consistent with the Plan**

Program Implementation Plan

- **Build, Implement and Update a Detailed Preliminary Engineering, Environmental Assessment, Permitting, Final Design, and Construction Schedule**
- **Take into Account All of the Vagaries of the Process (e.g., Fish Windows, Bird Windows, International Peak Season, Domestic Peak Season, Grain Harvest)**