Overview

• Project Scope

• Schedule and Budget

• Funding update

• Project Challenges/Lessons

• Next Steps
Project Scope

- New Center platform
- Pedestrian Underpass
- Shuttle Pick-up/Drop-off
- Track and Signal Work
- Removal of Holdout Rule & ADA Access
## Project Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bid &amp; Award</td>
<td>April 2017 – August 2017</td>
</tr>
<tr>
<td>Begin Construction</td>
<td>November 2017 *</td>
</tr>
<tr>
<td>Partial Suspension</td>
<td>April 2018 – September 2019 *</td>
</tr>
<tr>
<td>Complete Construction</td>
<td>November 2020 *</td>
</tr>
</tbody>
</table>

* Construction started in November 2017.
* Project went into suspension on April 2018 and resumed construction in September 2019.
* Construction is expected to be finished in November 2020.
Project Budget

- Original SSF total Project Estimate at Completion (EAC) during bid = **$55.0M**

- Construction awarded in August 2017 with new SSF total Project Estimate at Completion (EAC) = **$64.5M**

- Project experience significant delays related to required permits, agreements and Utility relocations (project delayed approx. 1 ½ year).

- Current SSF total Project Estimate at Completion (EAC) to complete construction = **$71.6M**

* JPB Expended funds of $4M (prior to award)
## Project Funding Update

### Total Contribution – Funding Sources

<table>
<thead>
<tr>
<th>2017 Funding</th>
<th>2018 Funding</th>
<th>2019 Funding (proposed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCTA ($10.3M)</td>
<td>SMCTA ($10.3M)</td>
<td>SMCTA ($21.6M)</td>
</tr>
<tr>
<td>Federal ($38.8M)</td>
<td>Federal ($38.8M)</td>
<td>Federal ($38.8M)</td>
</tr>
<tr>
<td>SSF ($8.7M)</td>
<td>SSF ($8.7M)</td>
<td>SSF ($9.9M)</td>
</tr>
<tr>
<td></td>
<td>JPB Rail Ops ($1.3M)</td>
<td>JPB Rail Ops ($1.3M)</td>
</tr>
</tbody>
</table>

### Proposed Funding Plan (SSF, SMCTA, JPB):

- Increases: SMCTA: $11.3M, SSF: $1.2M

### Funding Amounts

- **2017**: $55M
- **2018**: $64.5M
- **2019**: $71.6M

### Factors Contributing to Increased Costs

- Higher bid costs
- UPRR scope added
- Utility relocation cost added
- Increased Project Soft Costs

- Utility relocation delays
- Contractor overhead delays
- Increased Project Soft Costs
Existing Project Conditions

Existing Platform – South San Francisco Station Boarding
West Plaza – Station Access

Renderings of West Plaza - Station Access
Pedestrian Underpass

Renderings of Underpass - Station Access
Center Platform

Renderings of Center Platform – Looking North
Station East Access – Poletti Way

Renderings of Shuttle Drop off Area – Poletti Drive

Renderings of East Station Access – Poletti Drive
### SSF Project Challenges/Lessons

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher Bid Cost vs. Engineers estimate</td>
<td>Work is adjacent to active rail yard, requiring increased coordination with both commuter and freight operators.</td>
</tr>
<tr>
<td>Delays in obtaining Caltrans Airspace Agreement - working below 101 freeway</td>
<td>Coordination with Peninsula Electrification Project</td>
</tr>
<tr>
<td>Delays in obtaining Caltrans Encroachment permit</td>
<td>Constraint to complete construction prior to Electrification of corridor</td>
</tr>
<tr>
<td>Sequential vs Concurrent Third party Utility Relocation</td>
<td>Extended overhead delays and project soft costs approx. 1.5 years</td>
</tr>
<tr>
<td>Inclement weather delays and Jack and Bore obstructions</td>
<td>Contaminated soil disposal</td>
</tr>
<tr>
<td>PG&amp;E Bankruptcy filing (Jan 2019)</td>
<td></td>
</tr>
</tbody>
</table>
Utility Relocation Work

Red = Existing Utility; Same location as Underpass
Green = Relocated Utility; Away from Underpass
Utility Relocation Work

- CalWater Relocation – completed April 2019
  - Anvil 18 inch water main East side UPRR track
  - Water main tie in East Grand Ave.

Shoring West Plaza – Jack and bore

CalWater Relocation – completed April 2019
Utility Relocation Work

PG&E Electric Relocation – completed Sept. 2019
## Field Work Status

<table>
<thead>
<tr>
<th>Work Completed to Date</th>
<th>Work in Progress and Upcoming</th>
<th>Future Work</th>
</tr>
</thead>
</table>
| • Utility Survey and Relocation  
• Geotechnical Investigations  
• Signal Cable Inspections  
• Shoofly construction (MT1 and MT2) | • OCS Foundations  
• PTC Signal Cable cutover  
• Street Improvements (Poletti Way) | • Remobilize Equipment and Crews  
• Ramp (West) Construction  
• Center Platform construction  
• Pedestrian Underpass Construction  
• Ramp (East) Construction  
• Shuttle Drop off Area  
• Signal Improvement  
• Additional Improvements to Plaza |
Next Steps

- Continue ongoing construction: OCS foundation construction, Street improvement work at Poletti Way, PTC Fiber cutover
- Remobilize Equipment and Crews for Critical Path Work
- Execute Proposed Funding plan (SSF, SMCTA, JPB)
- Resume Construction of SSF station improvements and Pedestrian Underpass