# Highway 156 Corridor Projects

<table>
<thead>
<tr>
<th>Segment 1</th>
<th>Segment 2</th>
<th>Segment 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castroville Blvd Interchange</td>
<td>Route 156</td>
<td>US 101 Interchange</td>
</tr>
<tr>
<td>$114,475,000</td>
<td>$131,000,000</td>
<td>$325,000,000</td>
</tr>
<tr>
<td>Challenge</td>
<td>Status</td>
<td></td>
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<tr>
<td>-------------------------------------------------------------------------</td>
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<tr>
<td>Legislation needed for take of fully protected Santa Cruz Long Toed Salamander</td>
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<tr>
<td>New Route Adoption and Freeway Agreement needed between Caltrans and the County</td>
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<tr>
<td>Working with Coastal Commission on Coastal Development Permit</td>
<td></td>
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<tr>
<td>Finding properties for Agriculture, Wetland, Species mitigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility relocation and rising costs (ongoing)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rising construction costs and support needs (ongoing)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Permits (in process)</td>
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</tbody>
</table>
Current Status

- Project Plans and Estimate are complete
- Coastal Development Permit issued
- Army Corp (Wetland impacts) permit issued
- Agriculture mitigation property (Dubach) purchased
- CDFW permits anticipated in February 2024
- 60% plans received from utilities for utility relocation
- Nearing completion of Maintenance Agreement with County
- Multiple parcels currently in escrow
Utility Relocation

• Seven (7) different Utility Companies have facilities needing to be relocated
• Three (3) of those utilities are PG&E branches: Electric Transmission, Gas Transmission, Electric Distribution
• 60% relocation plans have been received from all utilities with exception of Charter Communications
• PG&E is organizing for exploratory/reconnaissance effort for their relocation work
# Project Costs

<table>
<thead>
<tr>
<th>Phase</th>
<th>Pre-May 2023</th>
<th>May 2023</th>
<th>January 2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – PS&amp;E</td>
<td>$6,200,000</td>
<td>$6,200,000</td>
<td>$8,700,000</td>
</tr>
<tr>
<td>2 – RW Support</td>
<td>$1,400,000</td>
<td>$1,400,000</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>3 – Con Support</td>
<td>$5,500,000</td>
<td>$5,500,000</td>
<td>$8,400,000</td>
</tr>
<tr>
<td>4 – Construction Capital</td>
<td>$27,375,000</td>
<td>$46,375,000</td>
<td>$50,375,000</td>
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<tr>
<td>9 – RW Capital</td>
<td>$18,100,000</td>
<td>$18,100,000</td>
<td>$45,000,000</td>
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<tr>
<td><strong>Estimated Total Cost</strong></td>
<td><strong>$58,575,000</strong></td>
<td><strong>$77,575,000</strong></td>
<td><strong>$114,475,000</strong></td>
</tr>
</tbody>
</table>

$40,275,000 cost increase
Support Cost Increase = $6,000,000

**Reasons for major increase in Support Costs:**
- Increased level of effort in Phases 1 and 2 to facilitate with utility relocations
  - PG&E
  - Charter Communications
  - AT&T
- Increased level of effort for Phase 3 support costs
  - Structures
  - Geotechnical
  - Biological monitoring during construction
Construction Capital Increase = $4,000,000

**Reasons for increase in Construction Capital Cost:**

- Post construction Biological Monitoring requirement increasing from 5 years to 10 years
- Increase in unit costs for contract items for landscape planting
- Escalation due to estimated RTL pushing into end of FY 23/24 and advertisement and bids due mid FY 24/25
Right of Way Capital Increase = $26,900,000

Reasons for major increase in Right of Way Capital Cost:
- Increase in utility relocation costs
  - $24,000,000 of the $26,900,000 increase
  - $22,000,000 of the $24,000,000 is for relocation of PG&E utilities
    - Electrical Transmission ($3,000,000)
    - Electrical Distribution ($6,000,000)
    - Gas Transmission ($13,000,000)
- Increase in environmental mitigation and compliance
  - Amphibian mitigation, restoration, parcel acquisition and endowment
  - Wetland mitigation
  - Farmland mitigation and endowment
Why So Much?

• Project impacted nearly every major utility
  • Movement and replacement of electrical towers
  • Relocation of a 12-inch main gas transmission line
  • Relocation of multiple utilities into distinct alignment area given limits of construction

• Design
  • 30-foot soil fills on either side of SR 156
  • Extensive geotechnical
  • Extensive structures

• Environmental
  • Traverses portion of wetland
  • Impacts to Santa Cruz Long Toed Salamander (SCLTS)
  • Impacts to Farmland
  • Within coastal zone

• Right of Way
  • Easements and parcel acquisition associated with utility relocation
  • Private property parcel acquisition for construction of interchange
  • Parcel acquisition for amphibian, wetland and farmland mitigation
2021
Caltrans initiated contact with all utilities impacted
All utilities responded with exception of PG&E electrical distribution and gas transmission

Early 2022
First time extension for funding

Late 2022
PG&E gas transmission gives Caltrans an 18-month timeframe to complete relocation plans

March 2023
PG&E electrical distribution assigns project manager for relocation plans

Mid 2023
Second time extension for funding

Mid 2023 to present
60% relocation plans received
Continued challenges with PG&E
Current Risks to Schedule

- **APRIL 2024:** Right of Way Certification and Ready to List (RTL) *
- **JUNE 2024:** CTC Vote for Construction Allocation
- **AUGUST 2024:** Advertise Project
- **OCTOBER 2024:** Award Project
- **NOV 2024:** Approve Contract
- **3RD QUARTER FY 24/25:** Start Construction**

*Right of way certification, RTL and therefore June 2024 CTC vote at significant risk based on current status of delineation, perfection of easements and utility agreements for all branches of PG&E utility relocation*

**Actual start of construction dependent on progress of utility relocation by utility companies**
## Next Steps & Alternatives

<table>
<thead>
<tr>
<th>Alternatives</th>
<th>Time Delay</th>
<th>Risk</th>
</tr>
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<tbody>
<tr>
<td>Fund the increased costs</td>
<td>0 – 6 months</td>
<td>Increased Measure X contribution and potential the project still does not meet funding deadlines.</td>
</tr>
<tr>
<td>Reapply for SB1 Cycle 4</td>
<td>6 months - 1 year*</td>
<td>Forfeit current grant; Complete ROW and design with local funds, * potential the project is not awarded a future grant.</td>
</tr>
<tr>
<td>Value Engineering</td>
<td>2 – 4 years</td>
<td>Stop the project and forfeit current grant; value engineering results in modest cost improvements.</td>
</tr>
<tr>
<td>Reevaluate project</td>
<td>5 – 7 years</td>
<td>Stop the project and forfeit current grant; most time delay of alternatives; possible that no other alternatives meet State goals.</td>
</tr>
</tbody>
</table>
**Alternative - Reapply for SB 1 Funding Cycle 4**

**Potential Funding Plan**

<table>
<thead>
<tr>
<th>Fund Source</th>
<th>Design &amp; ROW</th>
<th>Construction</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>STIP</td>
<td>$25,700,000</td>
<td>$0</td>
<td>$25,700,000</td>
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<tr>
<td>Federal Earmark</td>
<td>$312,000</td>
<td>$0</td>
<td>$312,000</td>
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<tr>
<td>Measure X</td>
<td>$24,688,000</td>
<td>$0</td>
<td>$24,688,000</td>
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<tr>
<td><strong>Current</strong></td>
<td>$10,361,000</td>
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<tr>
<td><strong>New Funding</strong></td>
<td>$14,327,000</td>
<td>$0</td>
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<tr>
<td>Regional Fees</td>
<td>$5,000,000</td>
<td>$0</td>
<td>$5,000,000</td>
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<tr>
<td>Trade Corridors - Future</td>
<td>$0</td>
<td>$58,775,000</td>
<td>$58,775,000</td>
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</table>

**Summary Totals**

- **Design & ROW**: $55,700,000
- **Construction**: $58,775,000
- **Totals**: $114,475,000
Existing PG&E 12-inch gas line
Existing Charter Communications line to be relocated
Existing AT&T line to be relocated
Existing PG&E OH electrical to be relocated

Multiple other utilities needing relocation further west

Approximate area of PG&E electrical towers to be moved/replaced

Original proposed alignment for PG&E 12-inch gas line, with CHISPA conflict

Current proposed relocated PG&E 12-inch gas line

2nd proposed alignment for PG&E 12-inch gas line, conflict with vertical drains to address settlement

Existing PG&E 12-inch gas line

CHISPA