ALAMEDA CORRIDOR-EAST

San Gabriel Valley
San Pedro Bay ports: 40% of nation’s imports; 30% of exports. ACE Trade Corridor: 21% of waterborne containers entering/exiting the U.S.
ACE Trade Corridor (UPRR & BNSF) carries one-fifth of the nation’s waterborne container imports and exports.

- Collisions
- Vehicle delay
- Pedestrian safety

San Gabriel Valley UPRR freight trains are projected to nearly double from 67 to 127 trains per day by 2025.
Funds Committed

- Federal: $228.97 billion
- State: $169 billion
- MTA: $274.6 billion
- Total: $1.661 billion

**FUNDS COMMITTED**

- City/County: $12.123 million (1%)
- Local MTA: $688.74 million (41%)
- Railroad: $40.552 million (2%)
- Betterments: $26.274 million (2%)
- Property Sale: $3.224 million (0%)
- Federal: $244.69 million (15%)
- State: $646.391 million (39%)

Total: $1.661 billion
Why a trench was constructed in San Gabriel
UPRR R/W in north part of San Gabriel Valley known as the Alhambra Subdivision can accommodate 3 tracks
This area only has one active track
Since the San Gabriel Trench only had to be wide enough for three tracks and only required one temporary track all construction could occur within existing UPRR property
PROJECT LIMITS/KEY FACTS
SAN GABRIEL TRENCH CONSTRUCTION OVERVIEW

- 2.2 mile project
  - 4 agencies affected
- 1.4 miles of trench
- Project Costs - $312M
- 4 roadway bridges
- 1 at-grade crossing modification
- 2 rail road bridges
- Shoofly construction
- Modification of 2 drainage channels
- Installation of substantial utilities
  - Major Fiber Optic Infrastructure
  - Storm Drain
  - Sewer
  - Various Dry Utility Casings
- Coordination of franchise utilities
- Roadway maintenance and repairs
Bottom Slab Concrete Pours
Walls Getting Finished
Project Challenges

- Funding
- Property acquisition
- Utility relocations
- UPRR
- Liability insurance
- Ownership and maintenance

- Public outreach
- Local business impacts
- Noise and dust mitigation
- Archeology
- Haul route impacts
- Street closure impacts
ROW

• Required 62 Property Interests
  – 1 Full take
  – 55 Permanent and Temporary Construction Easements
  – 6 Right of Entry Permits
  – Acquisition did require eminent domain
San Gabriel Trench Cost Breakdown

Overall Cost
$312M

- Program Management: $9,476,167.00
- Direct Staff Costs: $3,897,939.00
- 3rd Party: $2,611,643.00
- UPRR: $19,845,814.00
- Right of Way: $23,348,407.00
- CM: $40,827,644.00
- Design: $29,251,115.00
- Construction: $174,124,461.00
SAN GABRIEL TRENCH FUNDING

Overall Cost
$312M

$ in millions

- Measure R LA County
- FHWA
- State Prop 1B
- City
Project funding agreements

• Caltrans master agreement
  – Individual project supplemental agreements
  – Backstop by cities
• MOU’s with Metro
• Loan agreement with Metro
Project construction agreements

- Local Agency Agreements
  - Project responsibility
  - Betterment
- Utility Agreements
- UPRR Agreements
  - Master
  - Operation, construction, maintenance, and funding
- County Sanitation Agreements
- LA County Agreements
- Caltrans Agreements
CEQA/NEPA Requirements

• Identify Impacts
  – Long Term
  – Short Term

• Identify Mitigation Measures

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:
The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist.

  Aesthetics
  Agriculture Resources
  Air Quality
  Biological Resources
  Cultural Resources
  Geology/Soils
  Hazards
  Hydrology/Water quality
  Land Use/Planning
  Mineral Resources
  Noise
  Population/Housing
  Public Services
  Recreation
  Transportation/Traffic
  Utilities/Service Systems
Mitigation Monitoring Program

- List of required mitigation measures:
  - Required by law
  - Project specific
- Identify responsible parties
- Identify Compliance milestones

| Table 7.1: Mitigation Monitoring and Reporting Program |
|-----------------------------------|----------------|-----------------|-----------------|
| Impact                            | Mitigation Measures | Responsible Agency | Enforcing Agency | Timing |
| The project would create a new source of lighting at the site | Refer to Mitigation Measure A2 | ACE | City of San Gabriel | Pre-Construction |
| The loss of displacement of San Gabriel Mission Site (CA-LAN-1884) and other unrecorded burial remains would result in an adverse impact | CRI, A Treatment Plan has been developed to address four archaeological resources. San Gabriel Mission archaeological site (CA-LAN-1884), former location of the MFRR San Gabriel Depot, and two historic cemeteries. The project’s archaeological resources fall into two broad categories: California mission archaeology and railroad archaeology. A Data Recovery Plan (Phase III) is proposed as part of the treatment of these resources. The San Gabriel Mission archaeological site (CA-LAN-1884) contains data that can be used to answer research questions regarding site function and chronology, Native American health, status, and mobility, and Mission period architecture and engineering practices. The three potential archaeological resources, if present, may contain data pertinent to research questions regarding the formation processes, chronology, function, and affiliation. Proposed data recovery methods include manual excavation, mechanical excavation, remote sensing, archaeological monitoring, archival research, and the physical relocation of Diagnostic Site and Mission, as well as numerous specialized laboratory analyses. | ACE | California Department of Transportation (Caltrans) District 7 | Pre-Construction |

Archaeological monitoring will be employed for all significant cultural material as outlined by the CRI and Phase 3 investigations. Archaeological monitoring shall be restricted to sensitive areas, specifically, the upper 18 feet of the San Gabriel Mission archaeological sites and in the immediate vicinity of the SPPR San Gabriel Depot and two historic cemeteries. The treatment plan also includes public outreach and National American association and corridor plans, along with a description of the study’s anticipated personnel, scope, and schedules. The treatment plan shall also include an environmental impact assessment for the proposed mitigation measures and any unanticipated circumstances. On the project and monitoring, the project will be observed with UPRR railroad owners. The UPRR has expressed an interest in observing archaeological excavations. Prior to the start of field work, the UPRR will be notified of the anticipated field schedule to allow railroad personnel to observe the excavations. |
Program Implementation

• Environmental consultants performing field reviews
• Construction management reports
• Active enforcement by ACE staff
• Regulatory agency reviews
• Quarterly reports to the ACE Board
Sample Mitigations

• Dust and erosion control
• Emission control equipment
• Storm water pollution prevention
• Paleontology monitoring during grading and excavation activities
• Construction traffic control
  – Haul routes
  – Lane closures
  – Driveway access
• Noise control
Construction Dust and Run-off

Water truck helps control dust at Trench project. Top right, contaminated dirt is secured for safe removal and disposal. Right, straw bales are commonly used for storm water control.
Construction Noise

Temporary noise barrier blankets used to abate construction noise.
San Gabriel Trench Excavation Site

Over 5000 artifacts and 80 human remains were removed from the site
BUSINESS SUPPORT PROGRAM

• Created to assist businesses during project construction

• Outreach staff serves as “first-point-of-contact” and liaison to property owners and tenants

• Provide signage, advertising, and other promotional support to eligible businesses in the immediate proximity to construction sites

• Advertising placed in direct mail circulars and flyers, including multilingual publications
SG TRENCH PROJECT

San Gabriel Blvd. 施工期間 以下商戶正常營業 We Are Open For Business!

SAFETY TOURS SERVICE CORP.
410 S. San Gabriel Blvd., #5

EYE CARE OPTOMETRY
417 S. San Gabriel Blvd.

MECHANIC EXPERTS, INC.
516 S. San Gabriel Blvd.

J&D PLUMBING CO.
414 S. San Gabriel Blvd.

FAR EAST FLORIST
261 S. San Gabriel Blvd.

SAN GABRIEL SASH & DOOR, INC.
261 S. San Gabriel Blvd.

7 ELEVEN
305 S. San Gabriel Blvd.

ACE CONSTRUCTION AUTHORITY

REMAX CORRIDOR East

CHINESE AQUARIUM INC
431 S. San Gabriel Blvd.

SUCCESS
405 S. San Gabriel Blvd., #E

CEMAC
420 S. San Gabriel Blvd.

MODERN KITCHEN
330 S. San Gabriel Blvd.

LOTUS ACCOUNTANCY COMPANY
405 S. San Gabriel Blvd., #E

TOOL STOP
261 S. San Gabriel Blvd., #E

World Journal (Chinese language)/ twice monthly/100,000 circulation/quarter page
BUSINESS SUPPORT PROGRAM

- Place directional signage and banners indicating access points or informing customers that businesses remain open during construction
- Distribute construction notices and regularly brief property owners/business tenants on project status update
- All participating merchants have remained in business during construction
BUSINESS SUPPORT PROGRAM

SAN GABRIEL BLVD
BUSINESSES
OPEN DURING CONSTRUCTION
ACCESS AHEAD

NOGALES ST. BUSINESSES
OPEN DURING CONSTRUCTION
USE DETOUR

GIDLEY AVE BUSINESSES
OPEN DURING CONSTRUCTION
USE DETOUR

FEDERAL, STATE, LOCAL AND RR FUNDS
AT WORK
NOGALES STREET GRADE SEPARATION PROJECT

Project Helpline: (888) ACE-1426
www.theaceproject.org

Funded From: Federal Funds, State Transportation Bond Funds,
California Public Utilities Commission Funds, Los Angeles County Proposition C Funds,
City Of Industry Funds & Union Pacific Railroad

Project Helpline: (888) ACE-1426
www.theaceproject.org
CONSTRUCTION OUTREACH

- Project Fact Sheets
  - Updated on a quarterly or as needed basis
  - Translated to Spanish, Chinese, Vietnamese and Korean, as needed
  - Posted on ACE Website
CONSTRUCTION NOTICES: SAN GABRIEL TRENCH

WHAT
Alameda Corridor East Construction Authority (ACE) contractor, Walsh Construction Co., will begin major construction on the San Gabriel Trench Grade Separation Project. The project will result in the lowering of a 1.4-mile section of Union Pacific railroad track in a 30-foot-deep, 65-foot-wide trench with bridges constructed at Ramona Street, Mission Road, Del Mar Avenue and San Gabriel Boulevard, allowing vehicles and pedestrians to pass over the tracks. Upon completion, traffic congestion, train collisions and noise from train horns will be eliminated.

WHEN
Underground utility relocations and preliminary work commenced in 2012 and continues through 2013. Major construction of a railroad shoofly will begin in Winter 2013, with temporary road closures during bridge construction to follow in Summer 2014. Completion of construction is anticipated for Winter 2017. Most construction will occur weekdays between 7 a.m. and 4 p.m. with occasional night work. Please check the ACE website at www.theaceproject.org for the most up-to-date information.

WHAT TO EXPECT
Temporary and alternating closures of Ramona Street, Mission Road, Del Mar Avenue will be required during construction. No two adjacent streets will be closed at the same time with Ramona Street being closed during the summer months only. One lane in each direction of San Gabriel Boulevard will remain open. Local access for businesses and residents will be maintained, and advance notice of closures, detour routes and other construction impacts will be provided. Noise, dust and vibration will be monitored for compliance with applicable limits.

Para información o preguntas, por favor llame el teléfono directo o visite el sitio web en:

Dé biết thêm thông tin hoặc làm câu hỏi, xin quyet vui lòng gợi sẽ điện thoại hoặc là viếng tham trang web liên kết ở phía dưới trang này:

For more information or questions, please call or visit:
(888) ACE-1426 or www.theaceproject.org
Thank you for your patience and cooperation...At ACE, it's Safety First!

PHASE 1 (UTILITY RELOCATION): WINTER 2012-WINTER 2014*
The first phase of construction focusing on archaeological excavation, utility relocation and infrastructure upgrades started in 2012 to allow for the construction of the San Gabriel Trench Project. In addition, there are ongoing improvements and upgrades to the existing storm drain and sewer lines that will improve drainage in various locations throughout the city.

PHASE 2 (SHOOFLY CONSTRUCTION): WINTER 2014-SUMMER 2014*
Prior to excavation of the 65-foot-wide trench, a temporary “shoofly” detour track will be constructed to the north of the existing tracks within the existing 100-foot railroad right-of-way. New crossing gates and alarms will be installed and all trains will be routed on the temporary track during excavation and while the railroad bridges are being built.

PHASE 3 (BRIDGE CONSTRUCTION): SPRING 2014-SUMMER 2015*
Bridges will be constructed at Ramona Street, Mission Road, Del Mar Avenue and San Gabriel Boulevard. The rail line will return to grade east of San Gabriel Boulevard, which will need to be raised less than 2 feet due to track elevation.

PHASE 4 (TRENCH CONSTRUCTION): SUMMER 2015-WINTER 2017*
Once the bridges are constructed, earthmovers will excavate a 65-foot-wide, 30-foot-deep section of Union Pacific railroad extending for about 1.4 miles, allowing a new track to be placed in the concrete-lined open trench.

*All construction dates are approximate.

If you are interested in receiving information on construction activities for the San Gabriel Trench Grade Separation Project, please send us your e-mail address at info@theaceproject.org and we can provide you with our most up-to-date project information.

Si usted desea este aviso en español, por favor llame al (888) ACE-1426.

Xin vui lòng gọi điện thoại số (888)-ACE-1426 để có báo cáo Rubio thi công hơn nữa báo tin cung Việt Nam.

Rev 7/1/13
CONSTRUCTION OUTREACH

• Pre-Construction Surveys
  – Videotape and photograph survey of properties near construction site (exterior and interior) in advance of major construction work
  – Document pre-existing conditions

• Claims Monitoring
  – Respond to claims
  – Take photos or video at job site in the event of a claim

• ACE Project Video
  – Updated annually to show construction progress
  – Distributed to media and elected officials
CONSTRUCTION OUTREACH

• ACE Project Helpline
  – Toll-free helpline service: (888) ACE-1426
  – English, Spanish and Chinese language friendly
  – Monitored 24 hours a day
  – Calls returned within 24 hours
  – Inquiries recorded in ACE contact database
  – Database includes over 10,000 contacts
ACE WEBSITE
SCHOOL SAFETY OUTREACH

- Distribute age-appropriate rail and construction safety kits and notices to schools near construction projects
- Conduct safety video presentations targeting elementary, middle and high schools
- Coordinate school bus routes/detours with school district officials
- ACE has distributed over 20,000 safety kits to students at schools in El Monte, La Puente, Pomona, Rowland Heights, San Gabriel, Walnut and West Covina
COMMUNITY EVENTS & MEETINGS

• Coordinated groundbreaking and ribbon cutting ceremonies
• Coordinated public outreach and community meetings during environmental, design and construction phases
• Staffed ACE information booth at transportation related events
• Assisted with tours for elected officials, legislative staff, and other interested parties
MEDIA AND PUBLIC OUTREACH

• Responsible for media outreach and positive media coverage of the ACE Project

• Coordinate coverage in mainstream, local, and ethnic (Spanish and Chinese) print, TV, radio, and electronic media

• Quarterly ACE Report newsletter distributed to elected officials and the public

• Prepare press releases, media advisories and traffic alerts

• Maintain media contact list
### San Gabriel Trench Overall Timeline

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<th>Phase</th>
<th>Duration</th>
<th>Feb-08</th>
<th>Aug-11</th>
<th>Oct-08</th>
<th>Nov-10</th>
<th>Nov-10</th>
<th>Jun-11</th>
<th>Dec-11</th>
<th>Jul-12</th>
<th>Oct-12</th>
<th>Jun-18</th>
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<td>Environmental (CEQA/NEPA-FONSI)</td>
<td>2 Years</td>
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<td>Nov-10</td>
<td>Jun-11</td>
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<td>Right of Way</td>
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<td>Prequalifications/Bid</td>
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<td>Oct-12</td>
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<tr>
<td>Construction</td>
<td>Almost 6 Years</td>
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SAN GABRIEL TRENCH TEAM

- Railroad: Union Pacific Railroad (UPRR)
- Designer: Moffatt and Nichol Engineers
- ROW Agent: Paragon Partners
- Construction Manager: Jacobs Engineering
- Archeological Team: SWCA
- Contractor: Walsh Construction
Trench Typical Cross Section