



TJPA Citizens Advisory Committee Early Utility Relocation Update

February 9, 2010

Transbay Transit Center

TJPA





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Agenda

1. Utility Relocation Overview
2. Early Utility Relocation Scope
3. Early Utility Relocation Budget
4. Early Utility Relocation Schedule



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Transit Center Cross-Section





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Below Grade Encroachments



Minna Street



Natoma Street



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Existing Public Utilities

Publicly Owned

- Sewer
- Water (Domestic & Fire)
- Auxiliary Water Supply System
- City-Owned Telecommunications
- City-Owned Streetlights
- Trolley Lines & Traffic Signals



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Existing Private Utilities

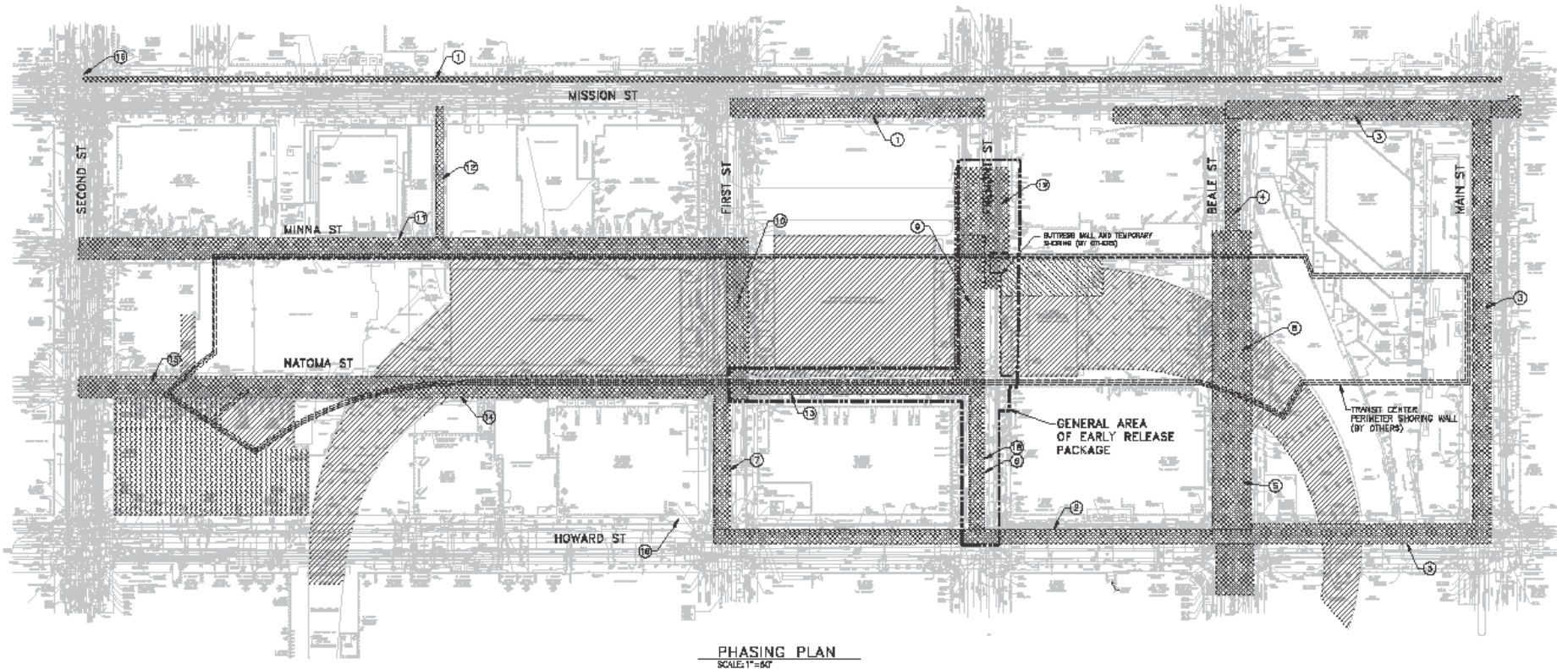
Privately Owned

- PG&E Electrical
- PG&E Gas
- Telecommunications
 - AT&T
 - Verizon
 - Comcast
 - TCG, Qwest, Level 3, Above Net, IPN



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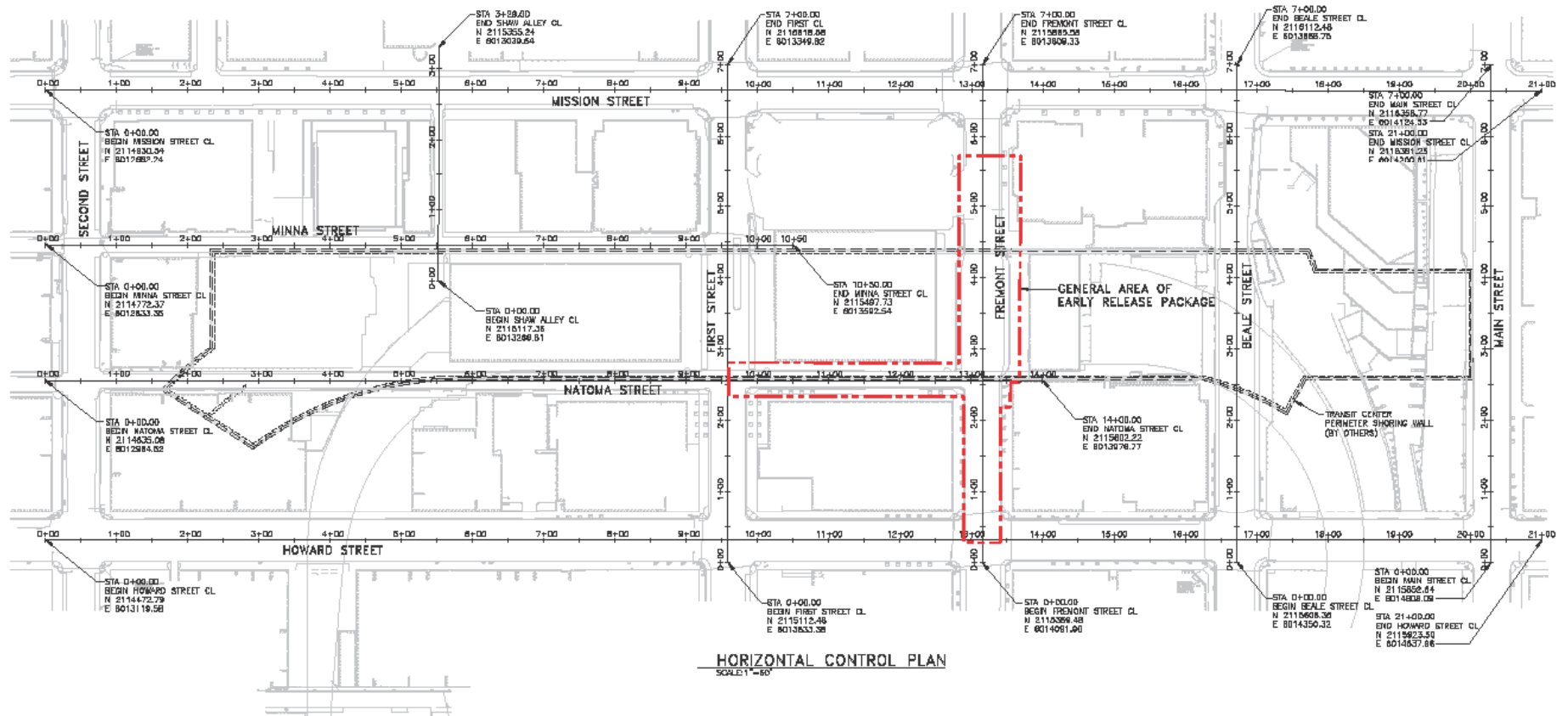
Utility Relocation Map





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Extent of Early Relocation Work





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Early Utility Relocation Scope of Work

- Verizon
 - Relocate Conduit within Fremont St.
- PG&E
 - Abandon Gas Line within Fremont
 - Consolidate Electrical Conduit within Fremont
- TJPA
 - Relocate Low Pressure Water, Streetlights and Traffic Signals within Fremont
 - Construct New Low Pressure Water and Sewer within Fremont



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Early Release Construction Budget

New Water: \$ 425,000

New Sewer: \$1,200,000

Demolition: \$2,200,000

Contingencies: \$1,700,000

TOTAL ESTIMATE \$5,525,000



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Utility Relocation Schedule

- | | |
|------------------|---|
| March 2010 | - Verizon Relocation on Fremont |
| March/April 2010 | - PG&E Consolidation on Fremont |
| June 2010 | - Water, Sewer & Traffic Signal Relocation on Fremont |
| June/July 2010 | - Water and Sewer Relocation on Natoma |
| Aug/Sept 2010 | - Main Package NTP |



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CONTACT INFORMATION

Transbay Joint Powers Authority
201 Mission Street, Suite 1960
San Francisco, CA 94105
(415) 597-4620
www.transbaycenter.org

Guy Hollins
Utility Coordinator
Transbay Joint Powers Authority
ghollins@transbaycenter.org

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Utility Relocation Trade Packages

1. Early Release (Fremont & Natoma)
2. Auxiliary Water Supply (Mission)
3. Water (Beale)
4. Water & Sewer (Natoma)
5. Water & Sewer (Minna)
6. Sewer & Sludge Force Main (Beale & Minna)
7. Dry Utility Joint Trench (Minna)



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Construction Budget

New Construction: \$11.9M

Demolition: \$16.2M

Temporary Utilities: \$ 3.1M

Street Restoration: \$ 1.4M

Contingencies: \$14.7M

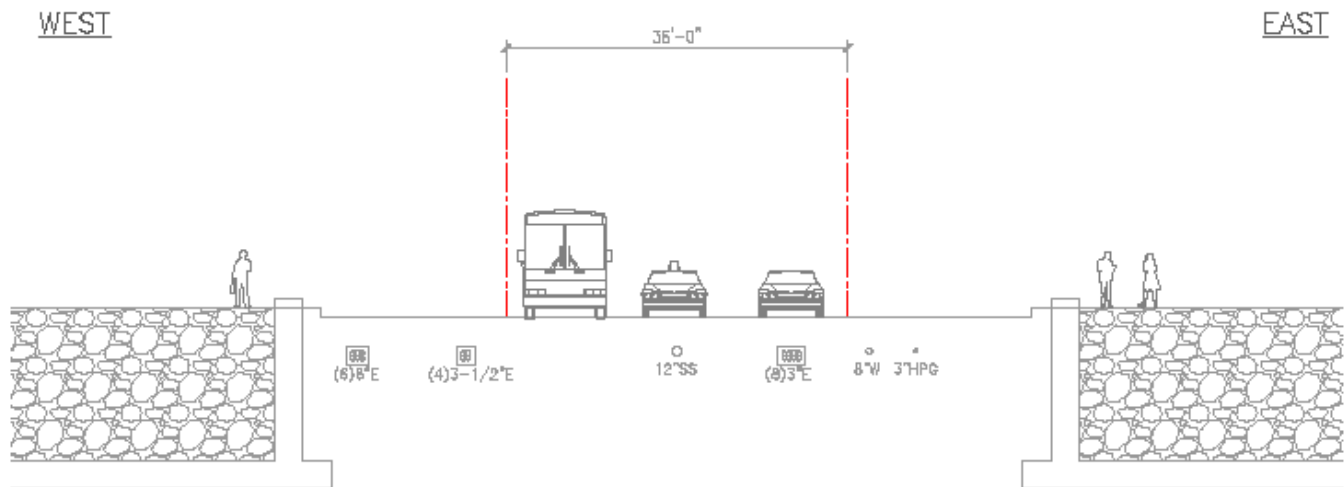
TOTAL ESTIMATE \$47.3M



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Relocation Strategy Existing Condition

1. EXISTING CONDITION AFTER BUILDING DEMO COMPLETED

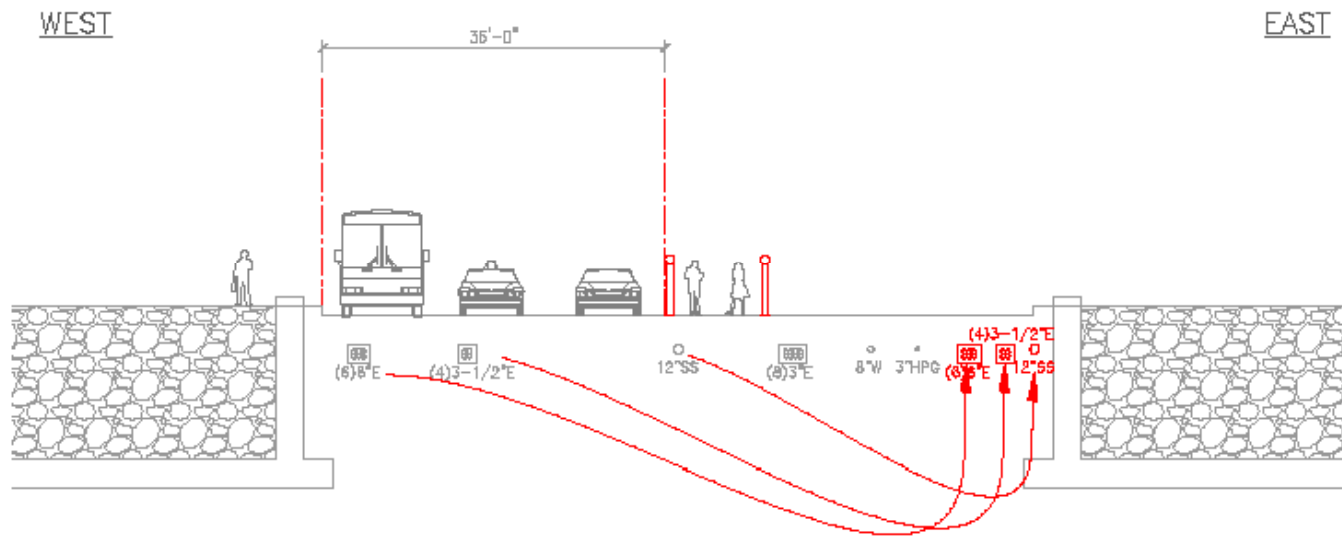




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Relocation Strategy Stage 1

2. INSTALLING TEMPORARY UTILITY LINES AT EAST SIDE

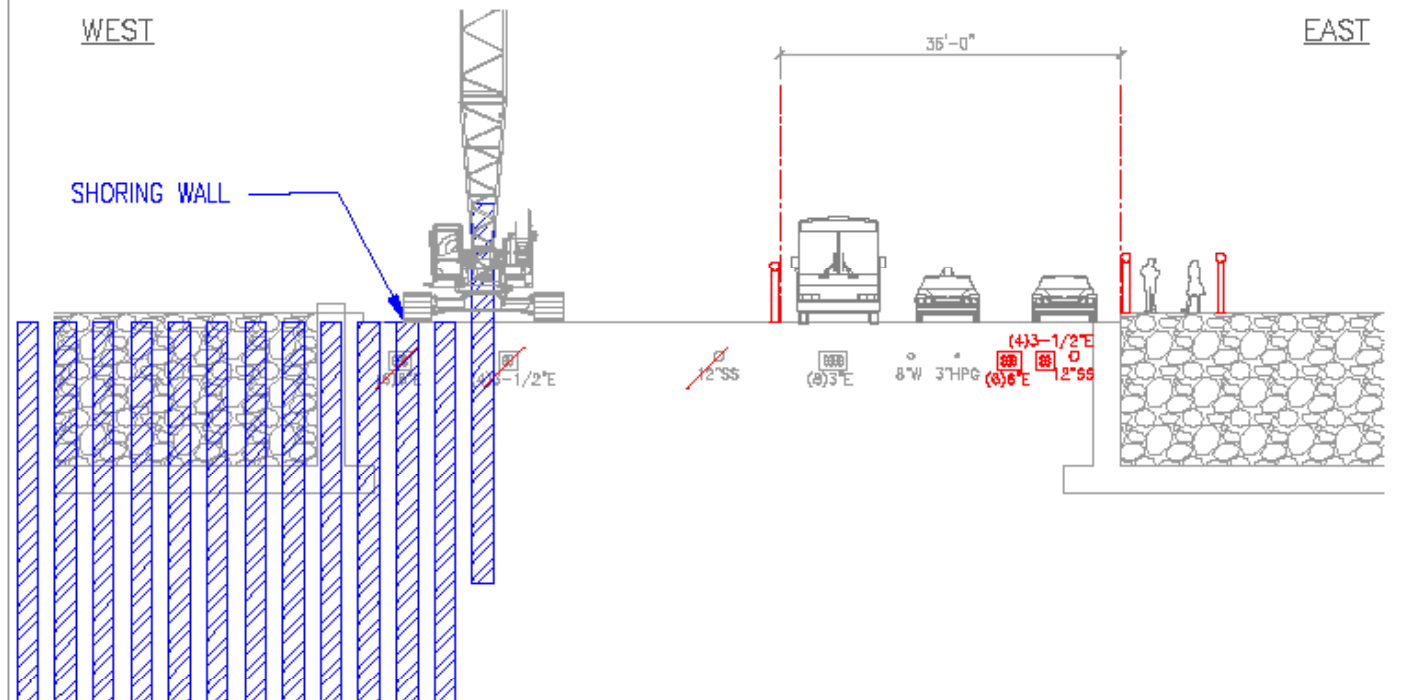




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Relocation Strategy Stage 2

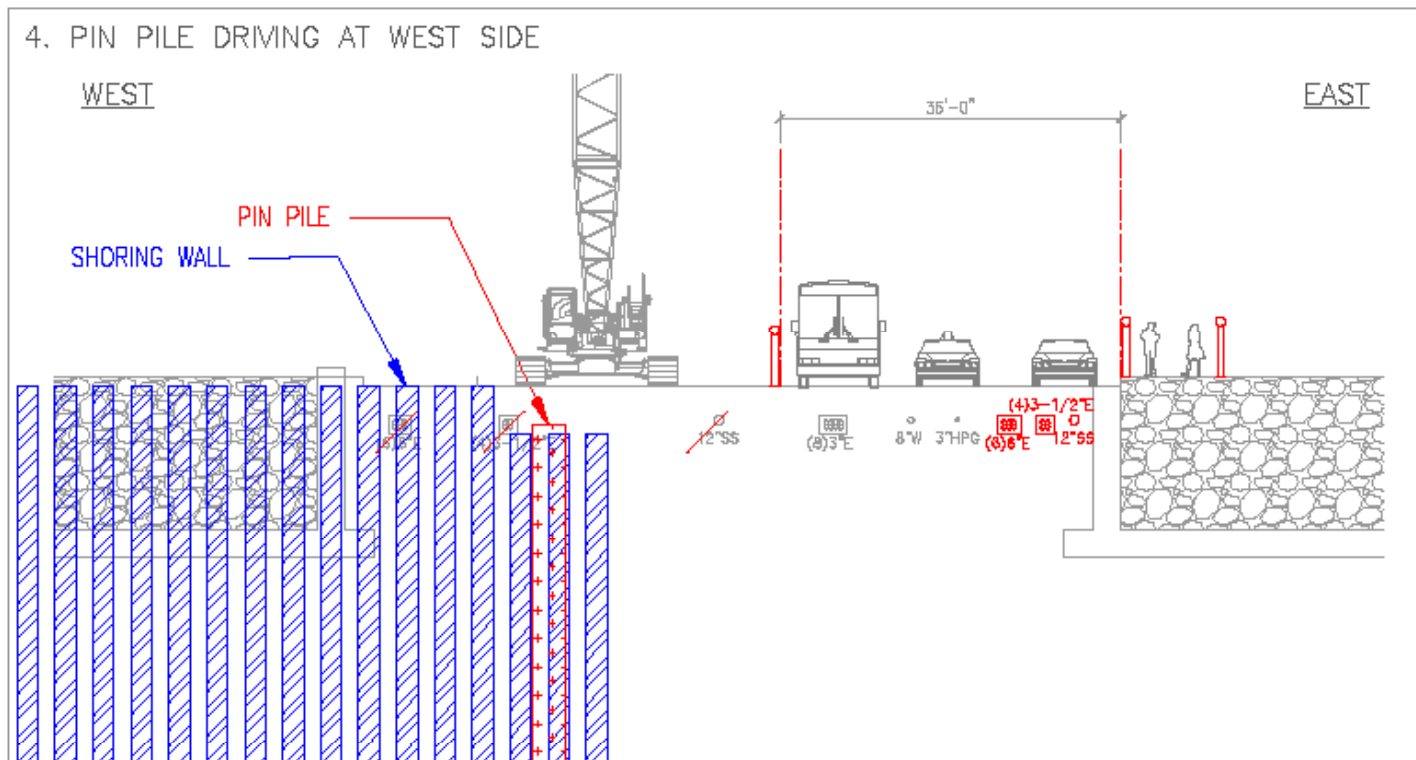
3. TRAFFIC SHIFTED TO EAST SIDE AND SHORING WALL CONSTRUCTION AT WEST SIDE





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Relocation Strategy Stage 3

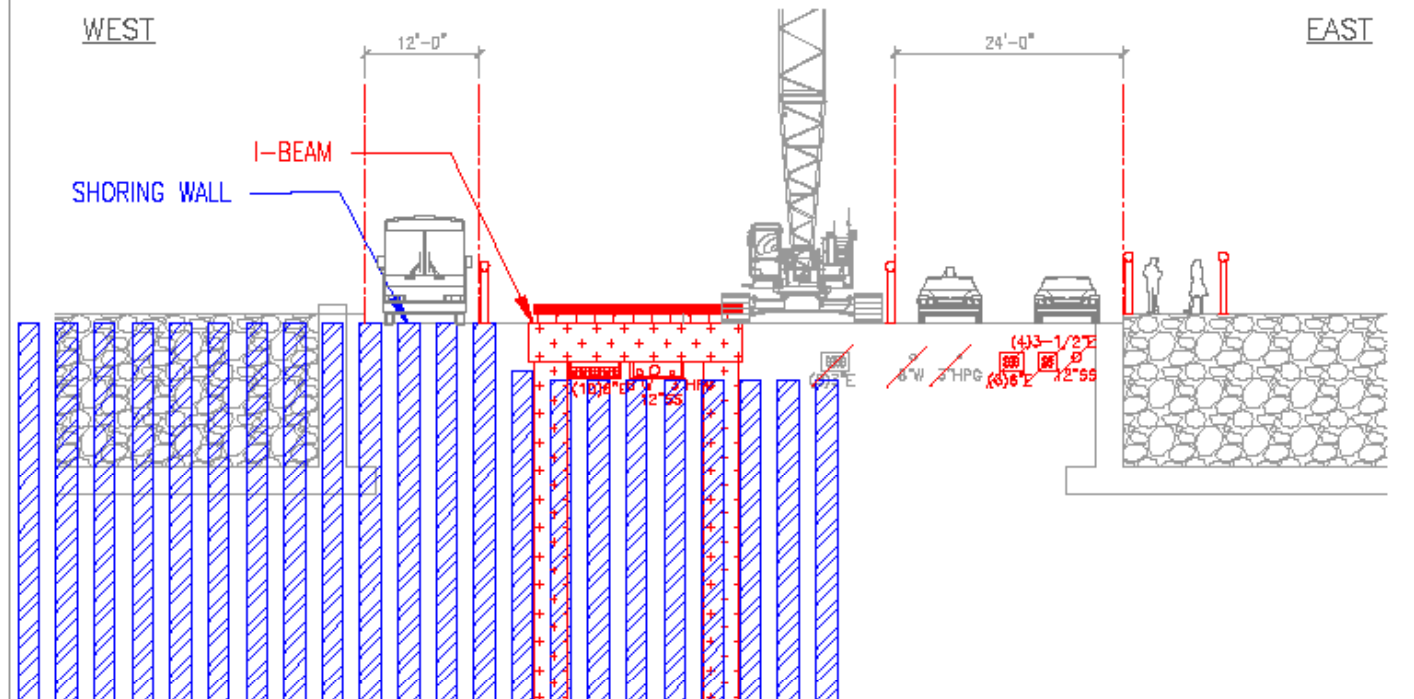




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Relocation Strategy Stage 4

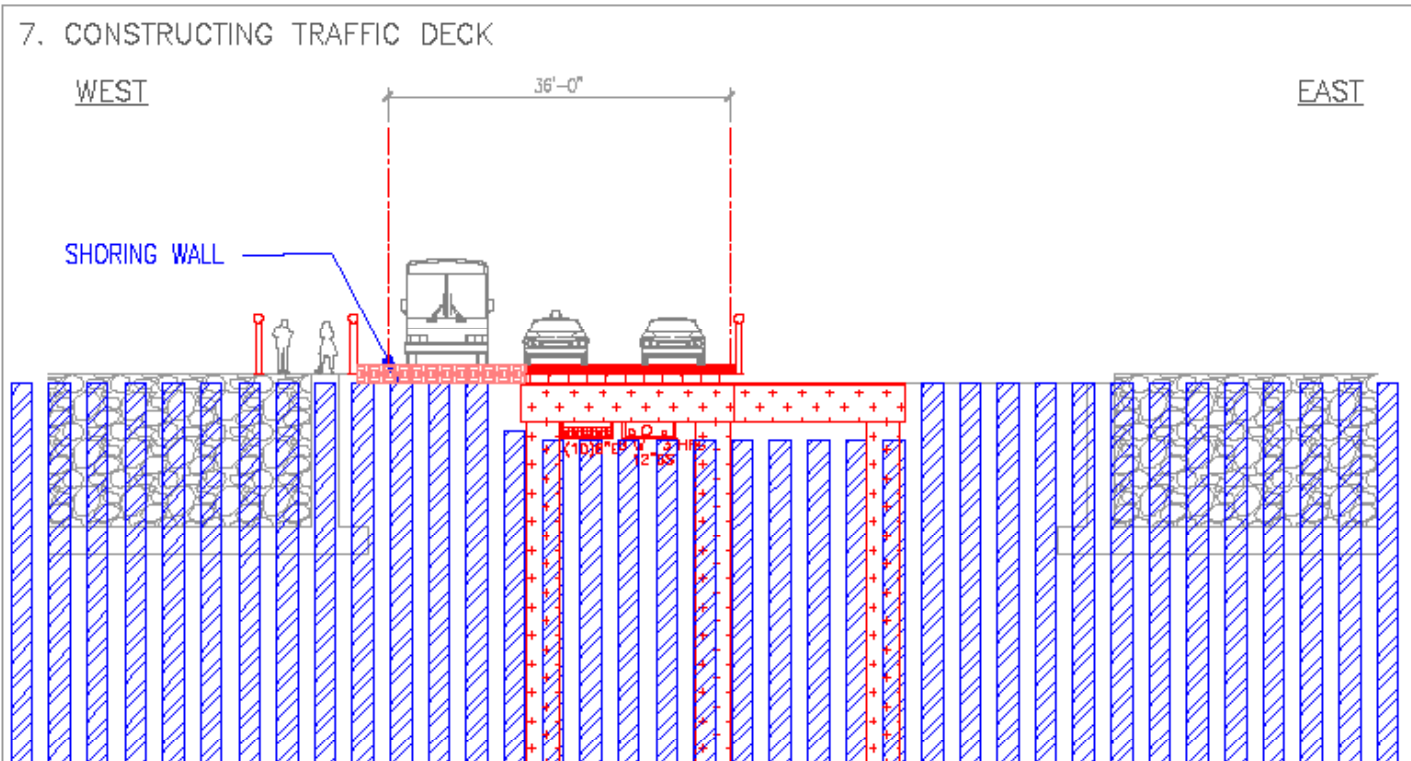
5. SHIFTING ONE LANE TO WEST SIDE AND CONSTRUCTING AT CENTER





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Relocation Strategy Stage 6

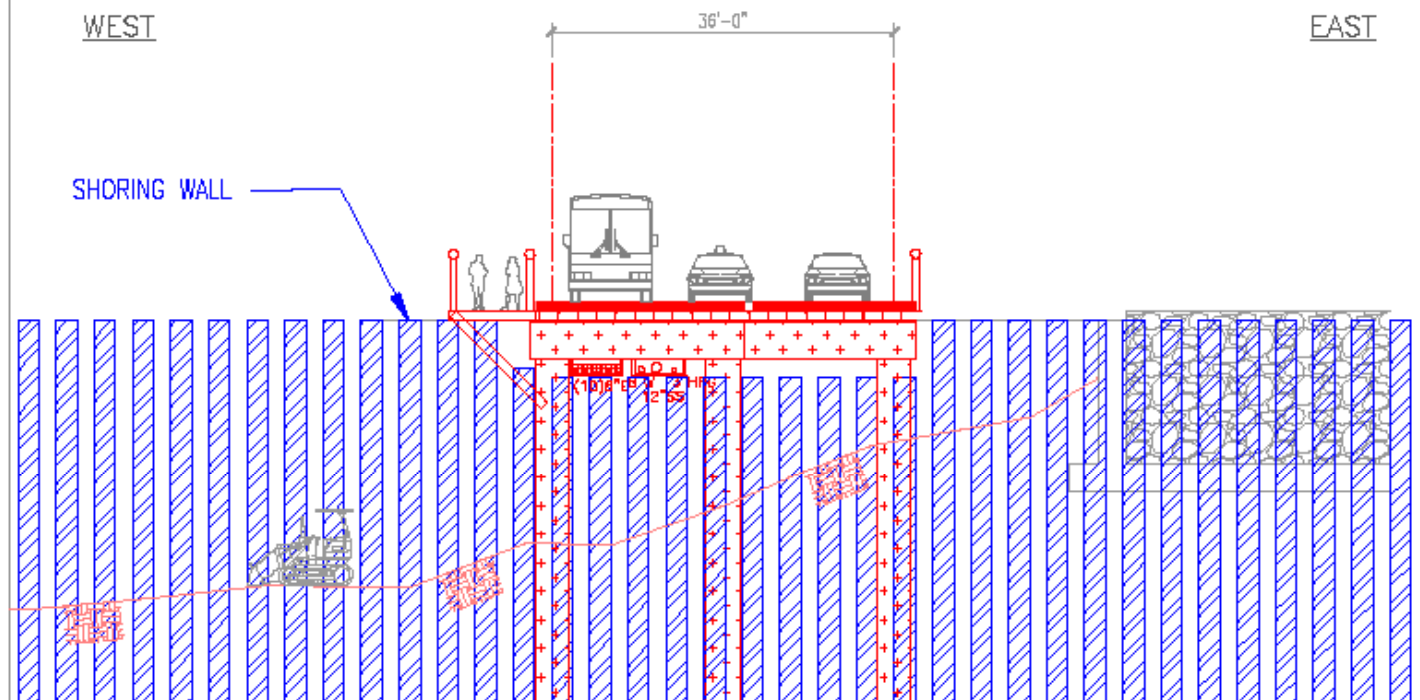




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Relocation Strategy Stage 7

9. STARTING EXCAVATION





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Final Configuration

