San Francisquito Creek Bridge Replacement Project

Project Purpose and Need

- Remove and replace the bridges that were built in 1931 and widened in 1957 due to their deteriorated condition.

- Add hydraulic capacity to match the San Francisquito Creek Joint Powers Authority projects to widen the creek for flood control purposes.

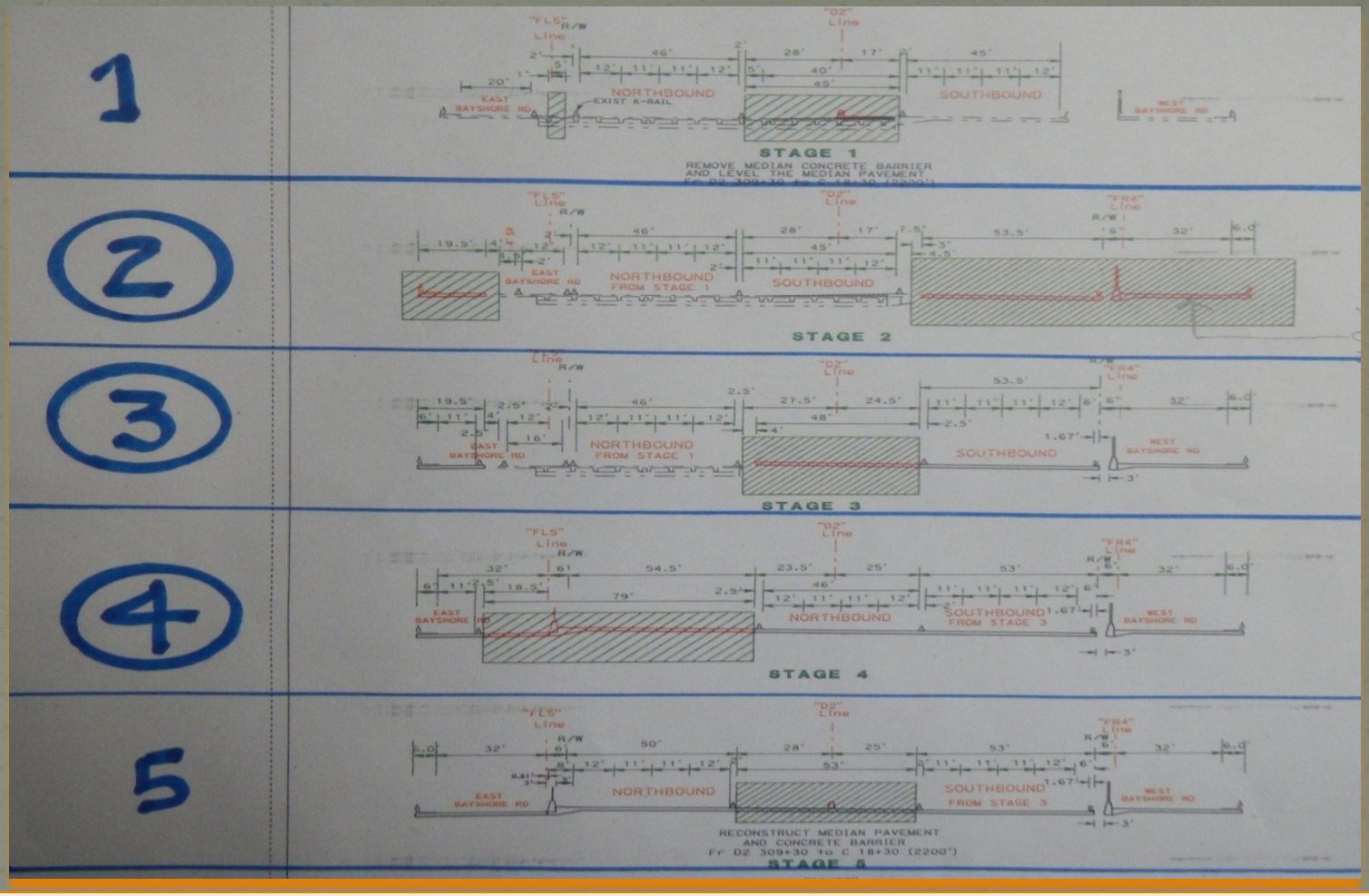
Project History

- Structures Maintenance recommendation in 2001 to replace the bridge due to increasing cracks and spalls in concrete causing steel reinforcement to be exposed.
- Project was originally part of the auxiliary lanes project but due to CMIA funding being available for the auxiliary lanes, the bridge was separated out.
- Environmental Document completed in October 2011.
- Design completed and construction contract advertised in December 2013.
- Contract scheduled for award in March 2014.
- Construction scheduled to begin in April 2014.

San Francisquito Bridge Construction

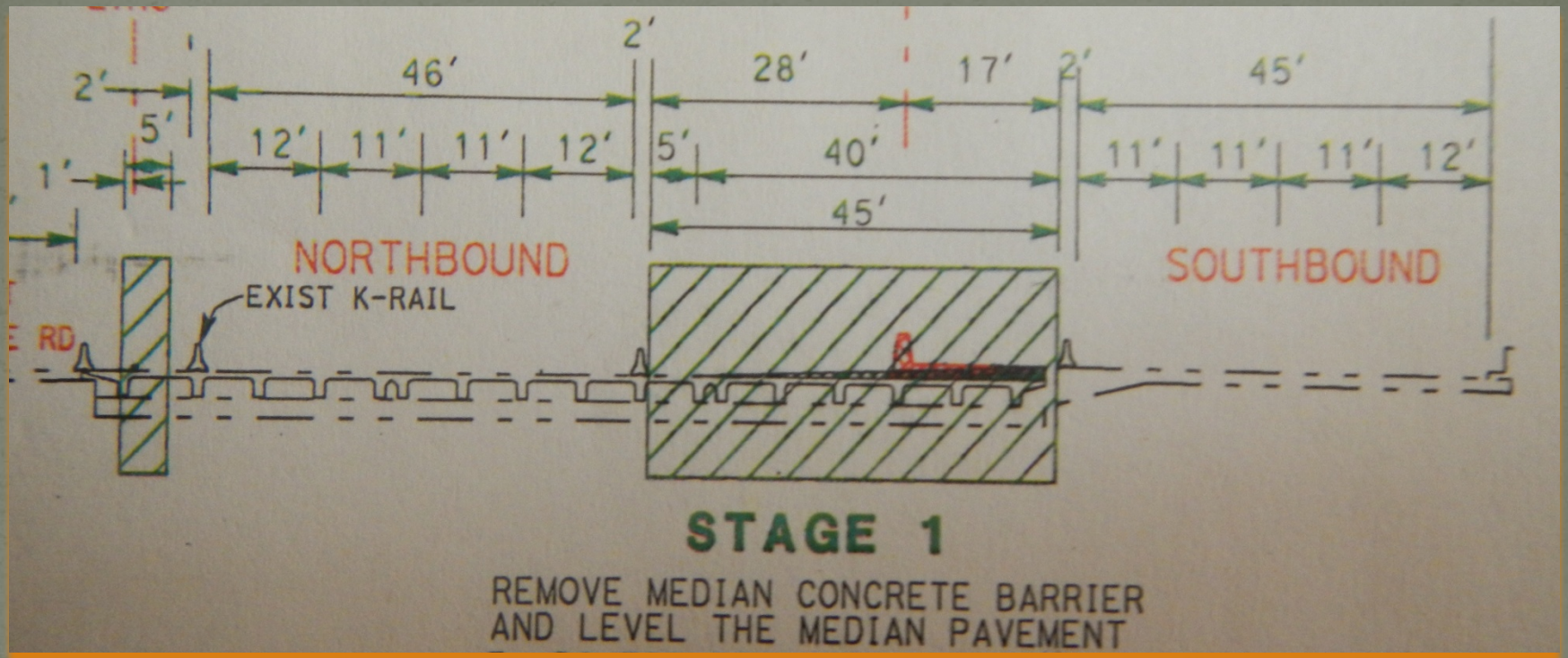
- 790 Working Days

Construction Stages:



The project will be constructed in 5 stages with a total duration of 790 working days (Approximately 3 years).
Stages 2, 3 and 4 can be performed in any sequence and only from June 1 to October 15.

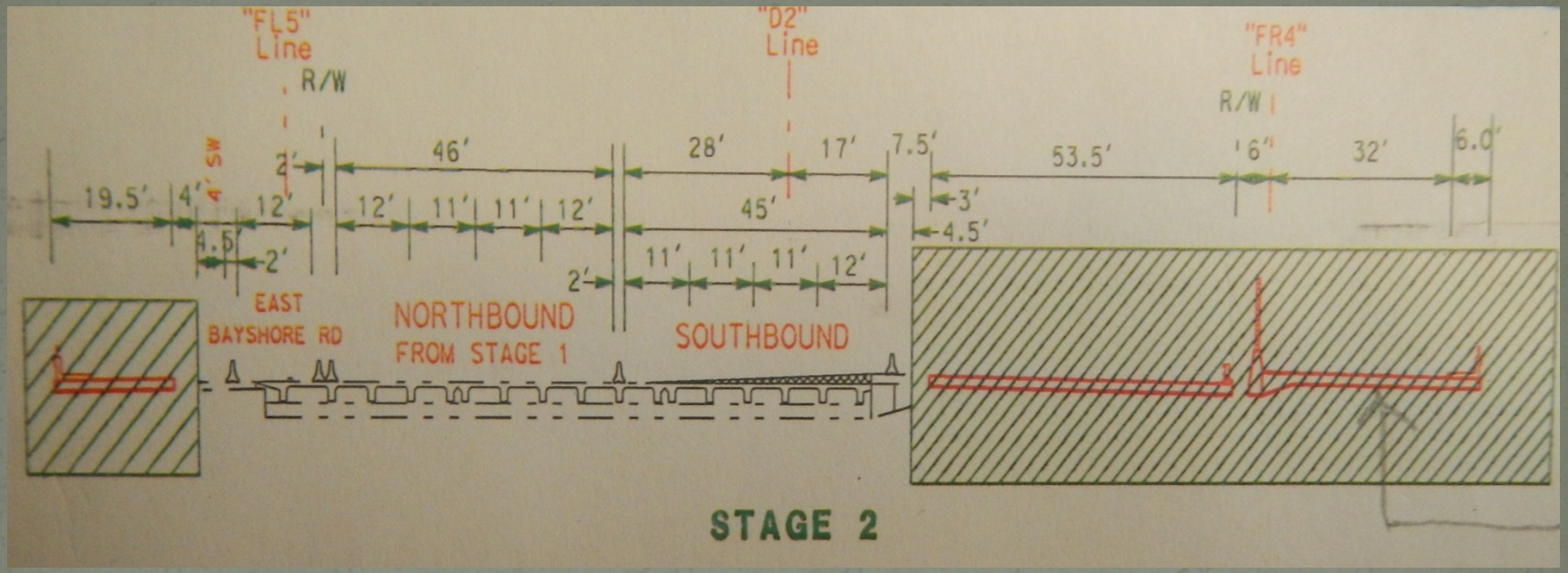
Stage 1



1.- Reconfigure 101 NB & SB lanes toward the outside shoulders and place temporary concrete barrier in the median shoulder. This work will be performed between the hours of 2100 to 0500. Expect minor traffic delays and some noise from heavy construction equipment.

2.- Remove Median Concrete Barrier and level the median pavement. This work will be performed during the day time hours. Expect some operation noise during demolition .

Stage 2



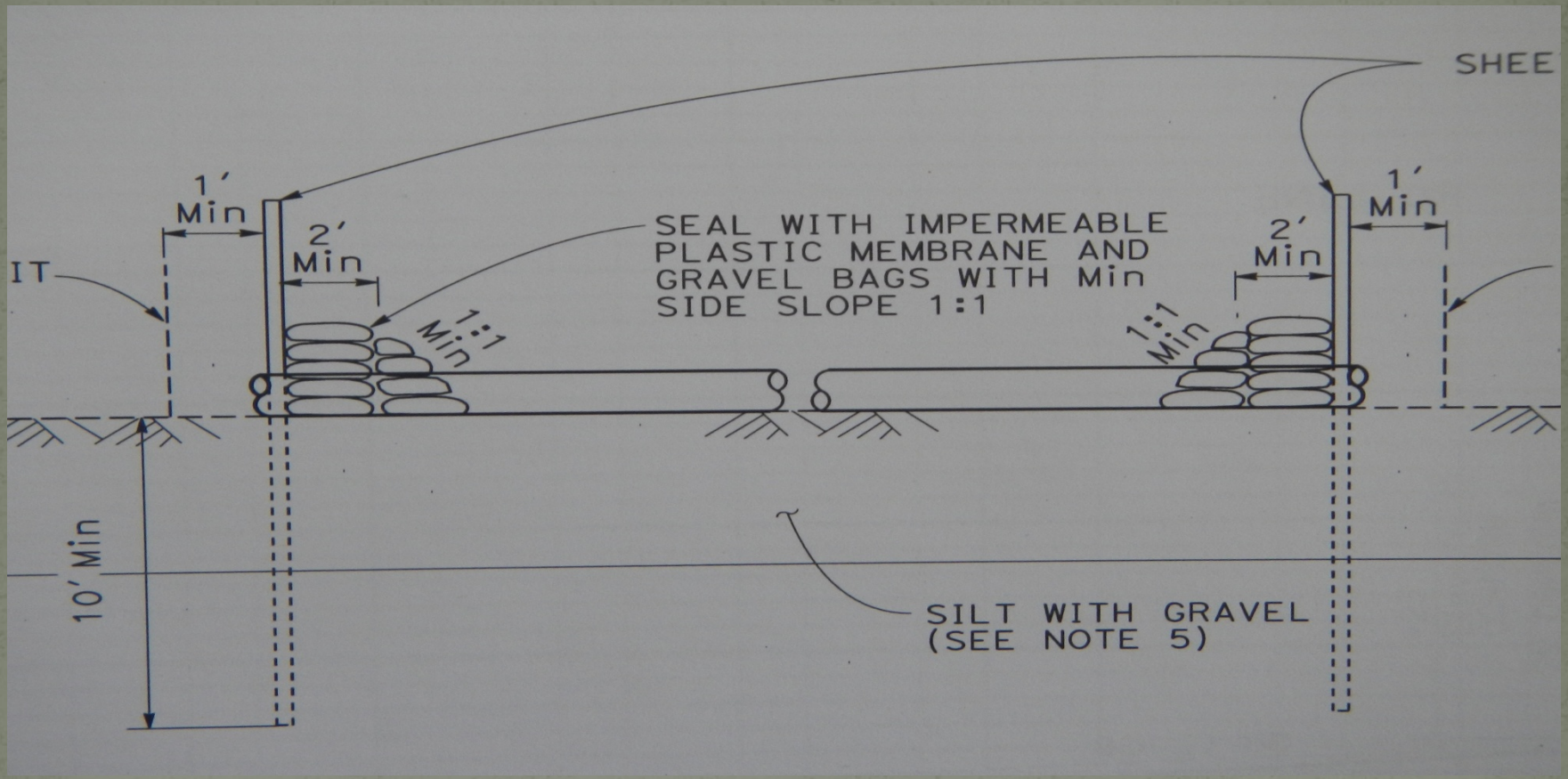
1.-Reconfigure 101 NB & SB lanes toward the east. Night time operation from 2100 to 0500. Expect minor traffic delays and minor noise level from equipment.

2.- Close West Bayshore & the NB lane on East Bayshore with a one-way temporary traffic signal. Place detours.

3.- Install cofferdams in the creek to keep construction area dry.

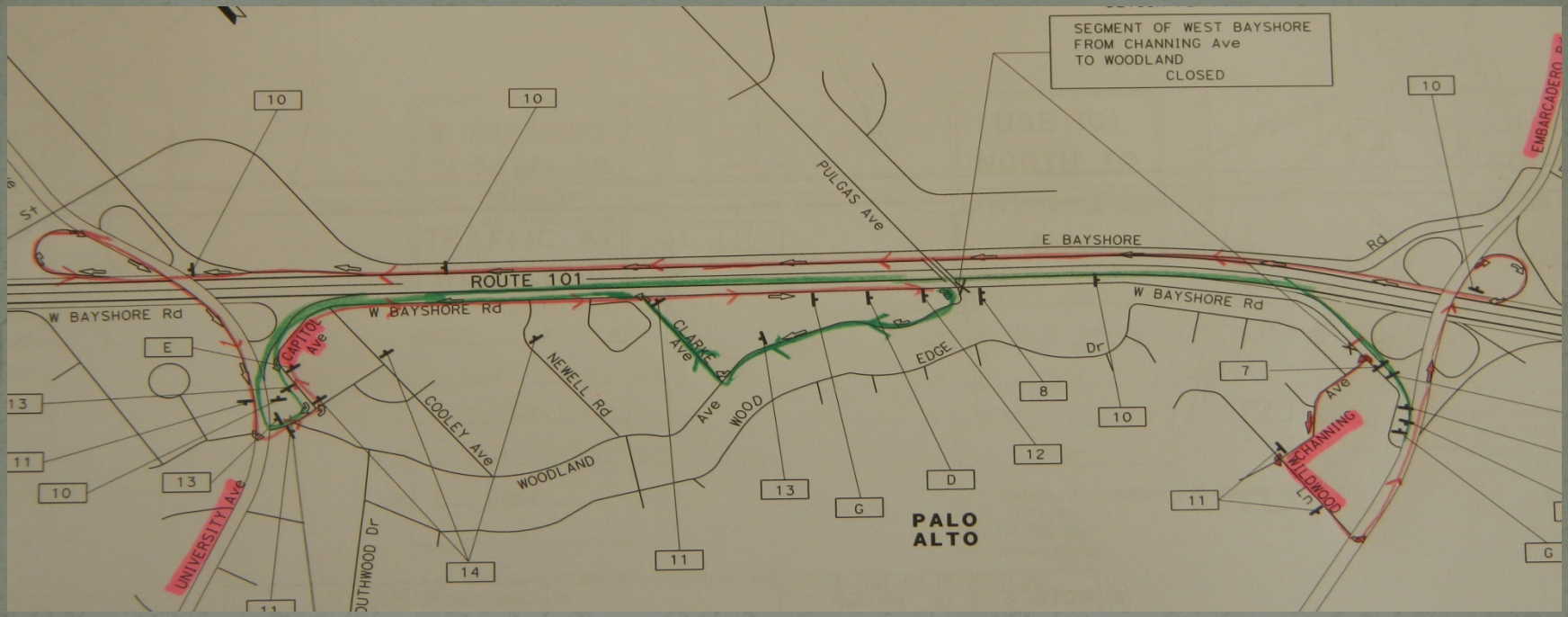
4.- Demo and construct new bridge. This is day-time operation, expect noise from pile-driving and from general heavy equipment operation. Dust will be mitigated by wetting-down method.

Cofferdam



Install a Cofferdam Stop water from entering the work site by installing a temporary dam on the upstream and downstream of the creek

Detour plan for West Bayshore Full Road Closure



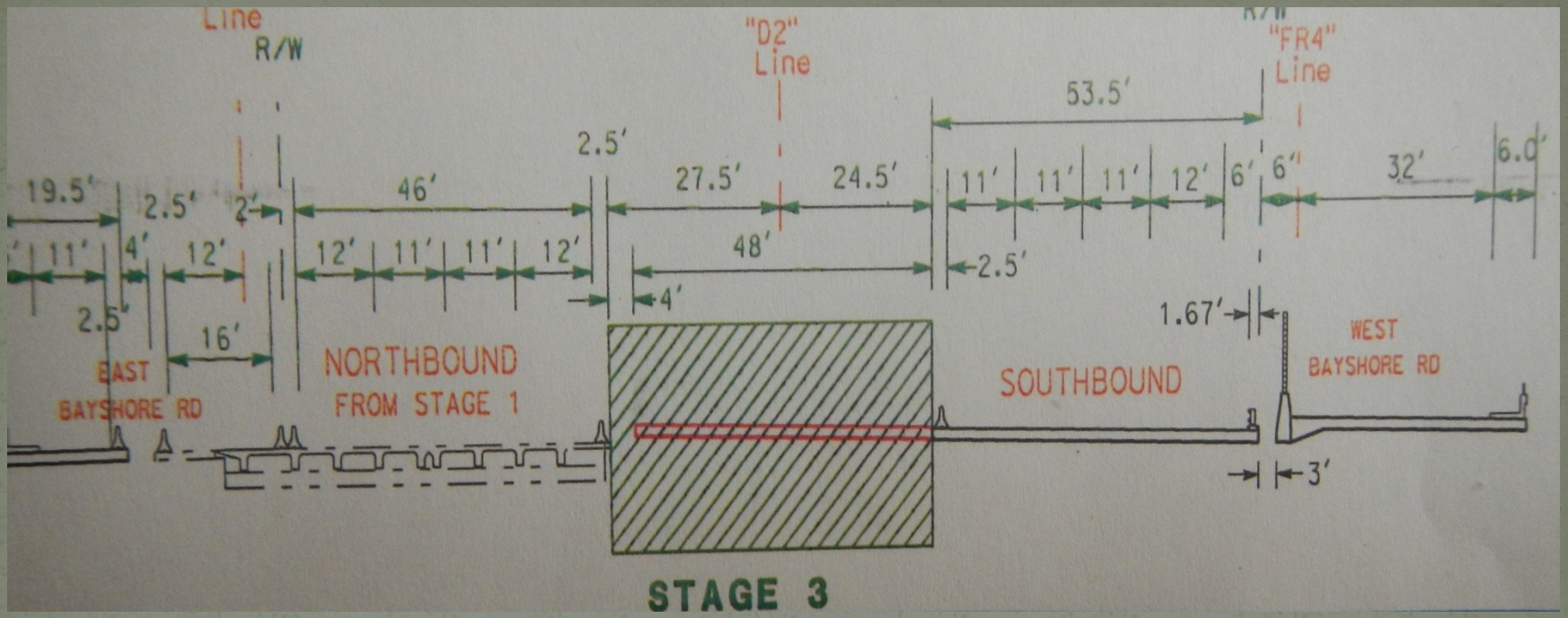
To NB West Bayshore Rd:

Left on Channing Ave
Left on Wildwood Ln.
Left on Embarcadero Rd.
On Ramp to NB 101
Exit off on WB University Ave.
Left on Woodland Ave.
Left on Capitol Ave.

To SB West Bayshore Rd:

Right on Woodland Ave.
Right on Clark Ave.
Left on West Bayshore Rd.
Continue to Capitol Ave.
Right on Woodland Ave.
Right on University Ave.
On-Ramp to SB 101.
Exit off to WB Embarcadero Rd.

Stage 3

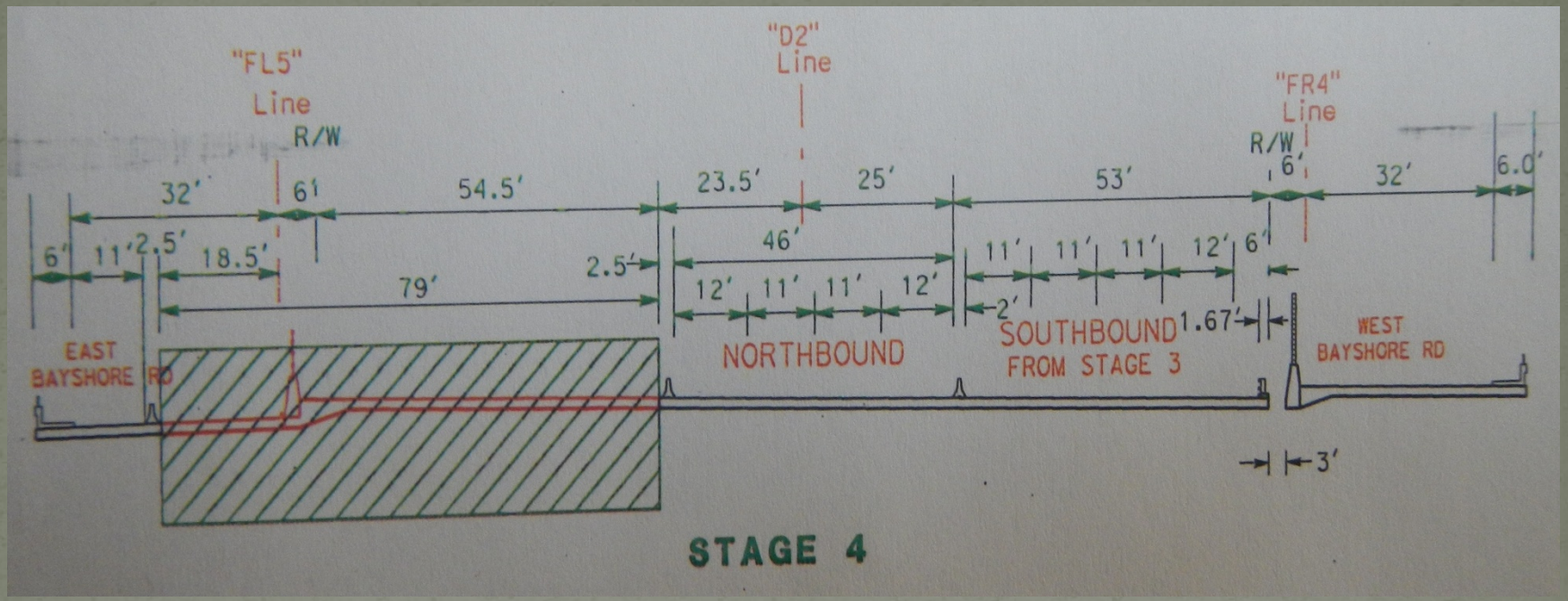


1.- Reconfigure101 NB & SB lanes toward the out side shoulders. Night time operation from 2100 to 0500. Expect minor traffic delays and minor noise level from equipment.

3.- Install cofferdams in the creek to keep construction area dry.

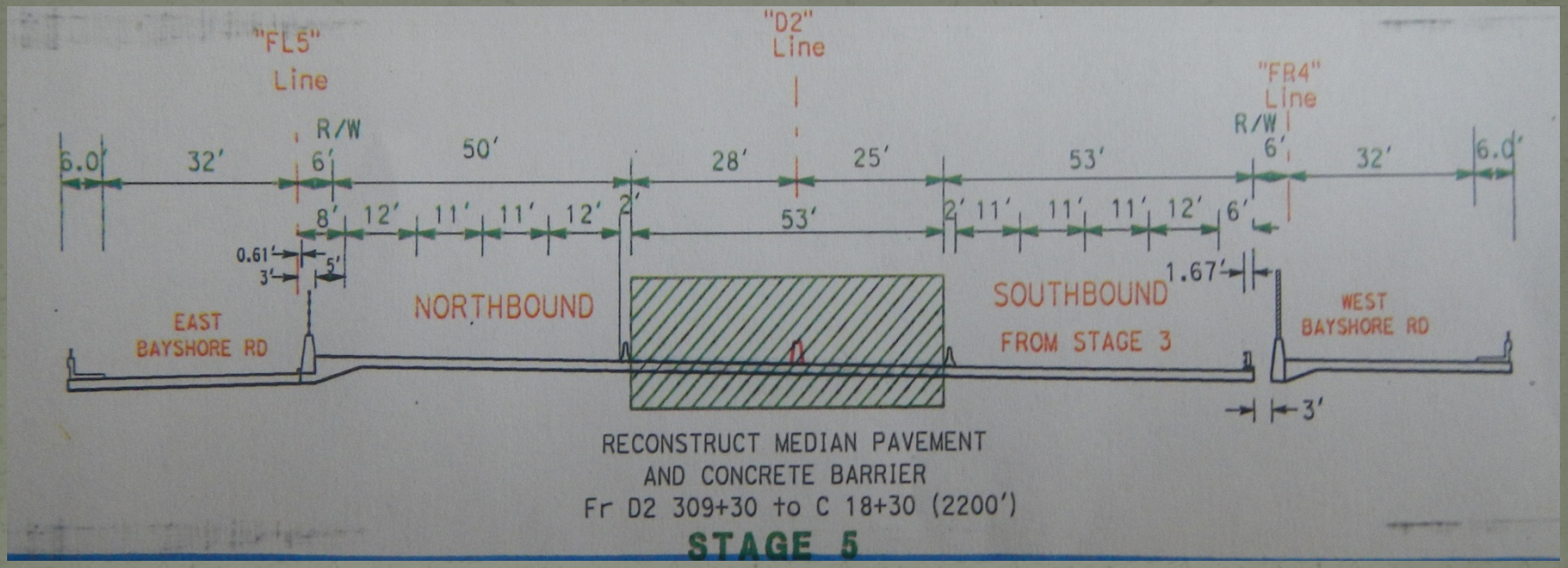
4.- Demo and construct new bridge. Day time work, expect noise from pile driving and from the operation of heavy equipment. Dust will be mitigated by wetting down method.

Stage 4



1.- Reconfigure NB & SB 101 toward the west. Night time operation from 2100 to 0500. Expect minor traffic delays and minor noise level from equipment.
2.- Close East Bayshore SB line and place a signalized one-way traffic control.
3.- Install cofferdams in the creek to keep construction area dry.
4.- Demo and construct new bridge. Day time work, expect noise from pile driving and from the operation of heavy equipment. Dust will be mitigated by wetting down method.

Stage 5



1.- Realign NB & SB 101 toward the outside shoulders and place temporary concrete barrier. Night time operation from 2100 to 0500. Expect minor traffic delays and minor noise level from equipment.

2.- Reconstruct median pavement and concrete median barrier.

3.- Realign NB & SB 101 lanes to its final alignment, overlay entire roadway within the work limits, place final striping, clean up, demobilize and finalize the work.

Staging and Work Restrictions

- Stage construction 2, 3 and 4 can be performed in any sequence. The final sequence will be known after the contract is approved and the contractor submits a schedule of the work.
- Regardless of the staging, the work in the creek can only be performed from **June 1 to October 15**.
- From October 16 to May 31, the contractor is allowed to perform work that does not require them to enter the creek, i.e. traffic switches, electrical facilities, mainline paving, construction of median barrier, etc.

Equipment Expected on Site

Pile Driving Equipment

Temporary Environmental Impacts

- Noise
  - Pile driving method
  - Times of day
- Dust
  - Kept to a minimum using water
- Birds
  - Pre-construction
  - During construction
- Fish
  - Avoidance measures / Cofferdams
  - Fish passage during construction

Questions?

- Questions?

- Contact for future questions:
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- Caltrans D4 website:
  http// www.dot.ca.gov/dist4