

# US ROUTE 460 CONNECTOR

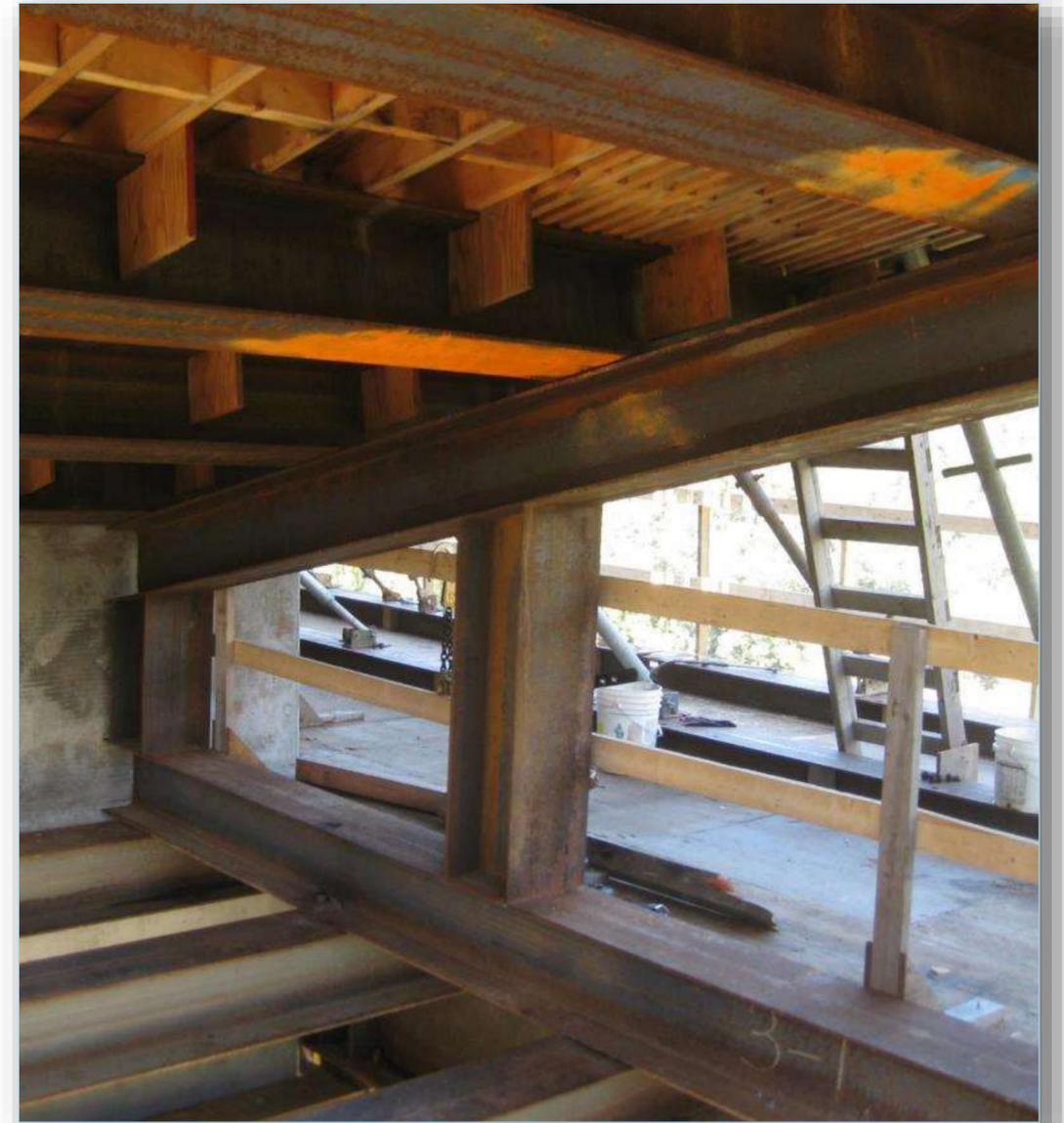
- **Pier 2** – Pier Table Falsework for lift 1 – bottom slab



PIER 2

# US ROUTE 460 CONNECTOR

- Pier Table Falsework constructed using units that could be assembled and reused at each pier.



PIER TABLE FALSEWORK

# US ROUTE 460 CONNECTOR

- Pier Table Falsework



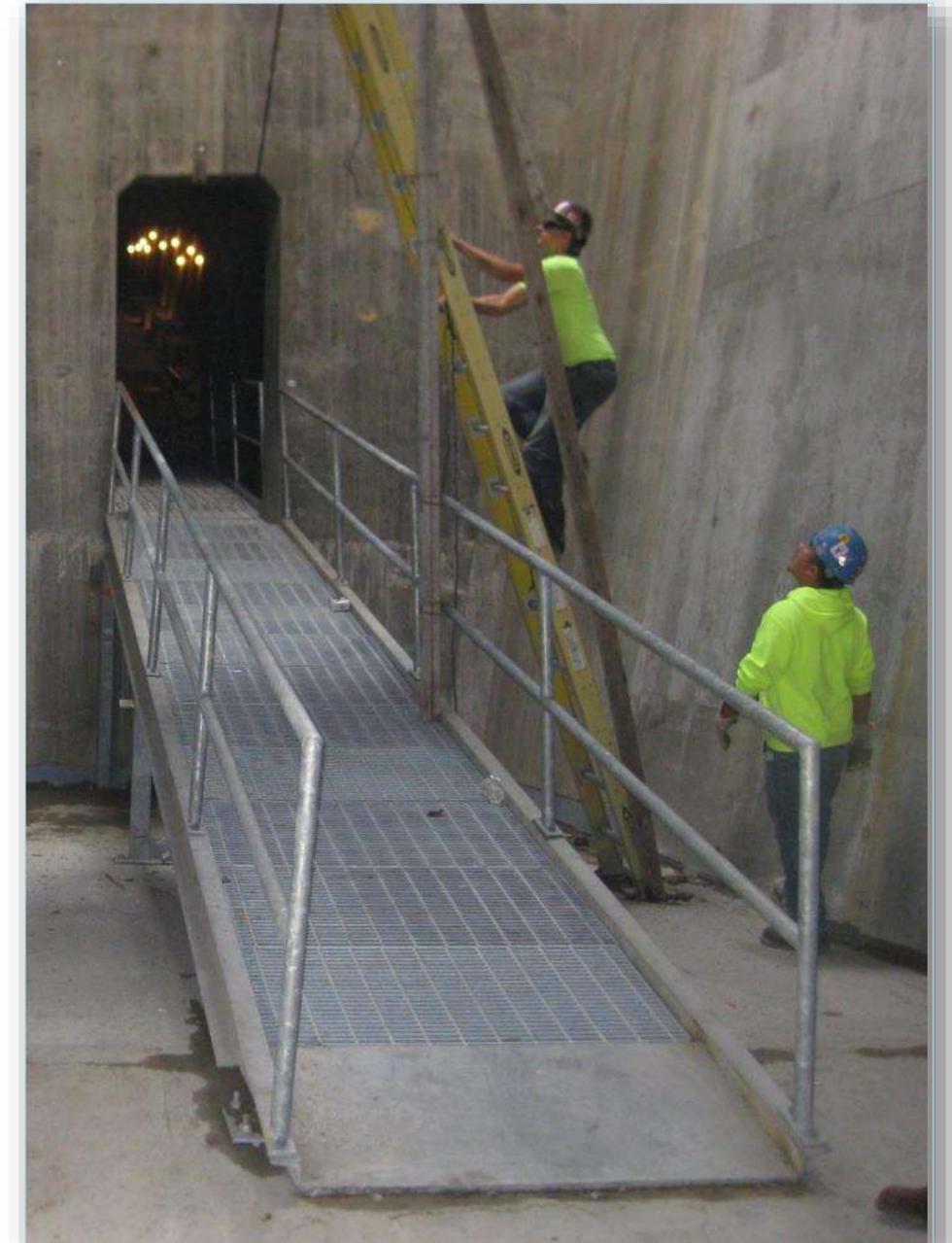
LOOKING UNDERNEATH

PIER 2

# US ROUTE 460 CONNECTOR

## Pier Diaphragm Access

- Steel pipes for future external post-tensioning
- Steel grating and ramp to 4'x9' opening



PIER DIAPHRAGM OPENING

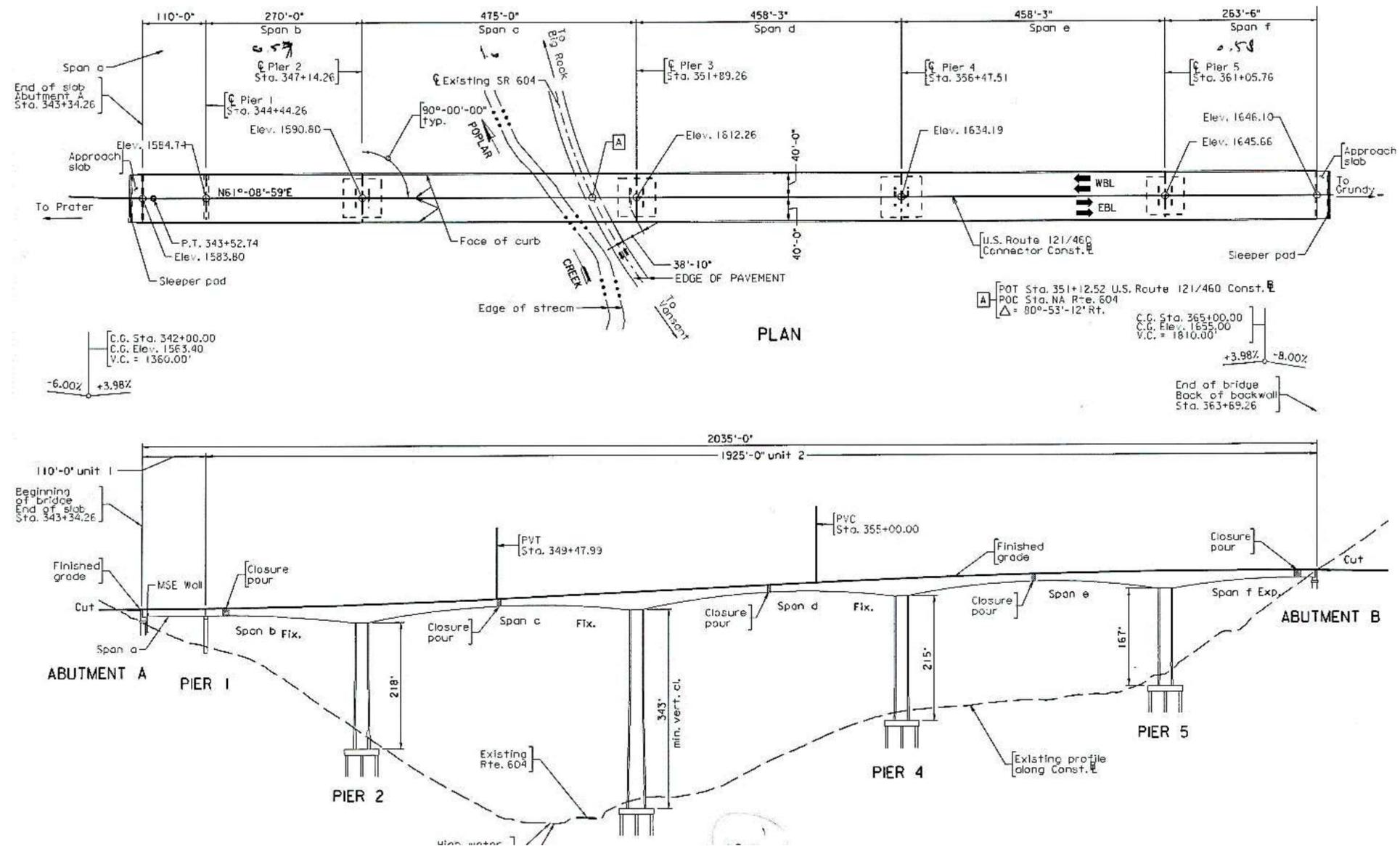
# US ROUTE 460 CONNECTOR

- Tendons extended out of web and made external adjacent to end segment to simplify anchorage details in the diaphragm.
- Straight alignment between pipes achieved without diablos.
- Post-tensioning bar used to lock end segment to pier during closure pour.



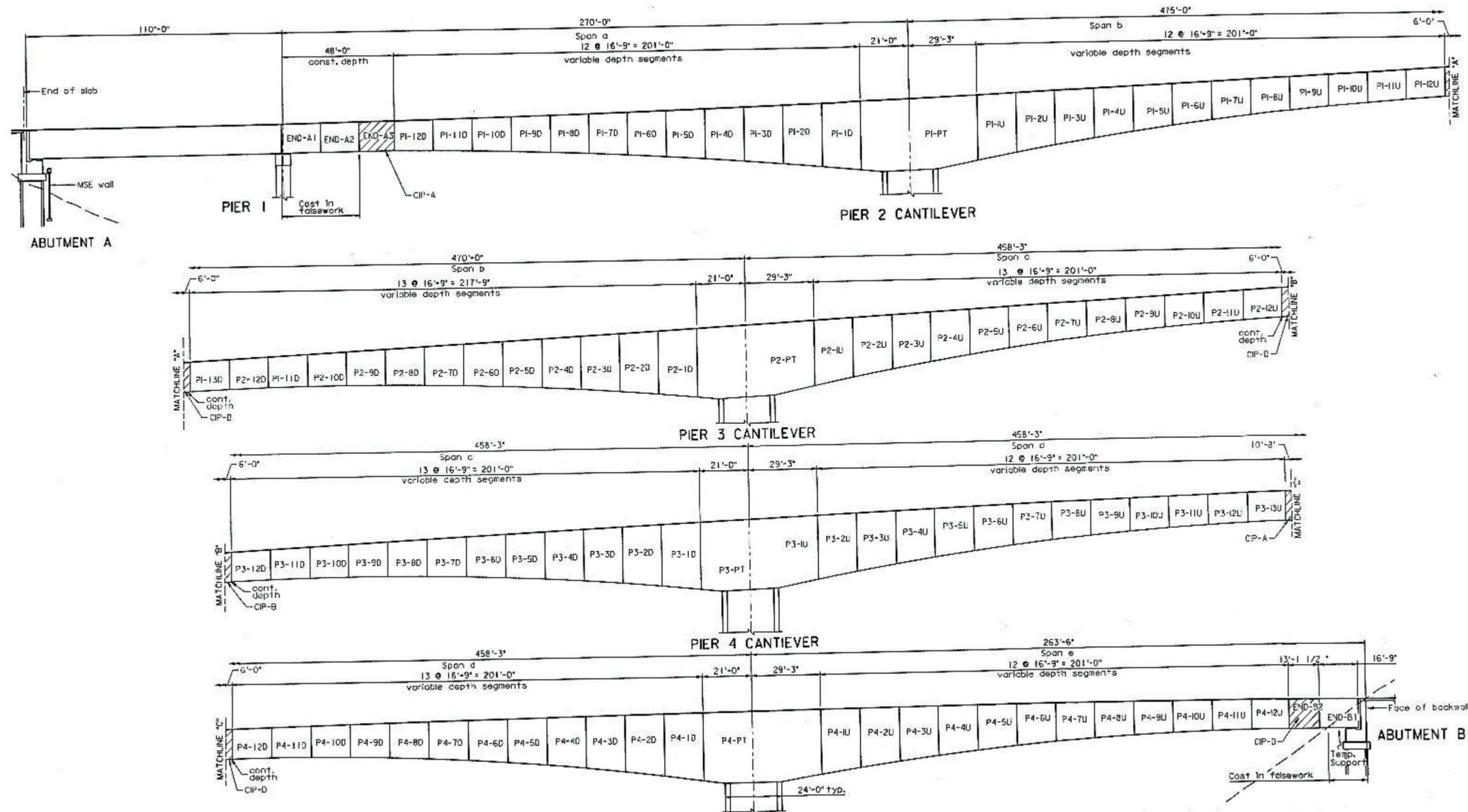
# US ROUTE 460 over Poplar Creek and Route 604

## Alternate 6 with MSE Wall at ABUT A



# US ROUTE 460 over Poplar Creek and Route 604

## Alternate 6 piers 2, 3, 4, and 5



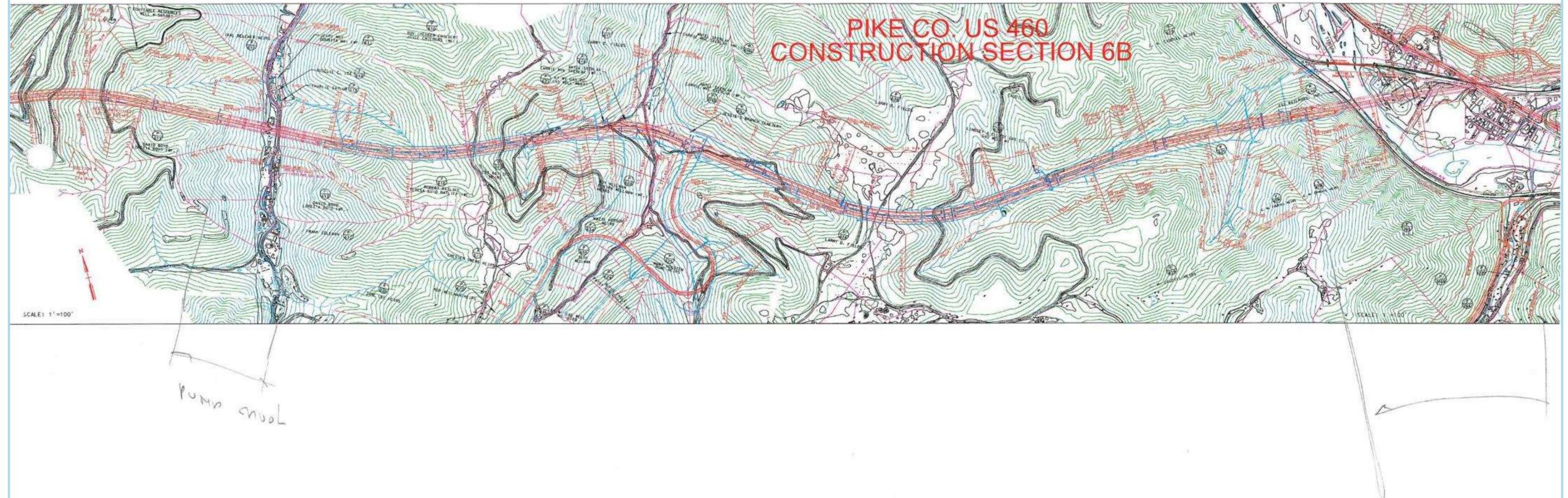
# US ROUTE 460 over Poplar Creek and Route 604

## Alternate 6 Preliminary Plans



# US ROUTE 460

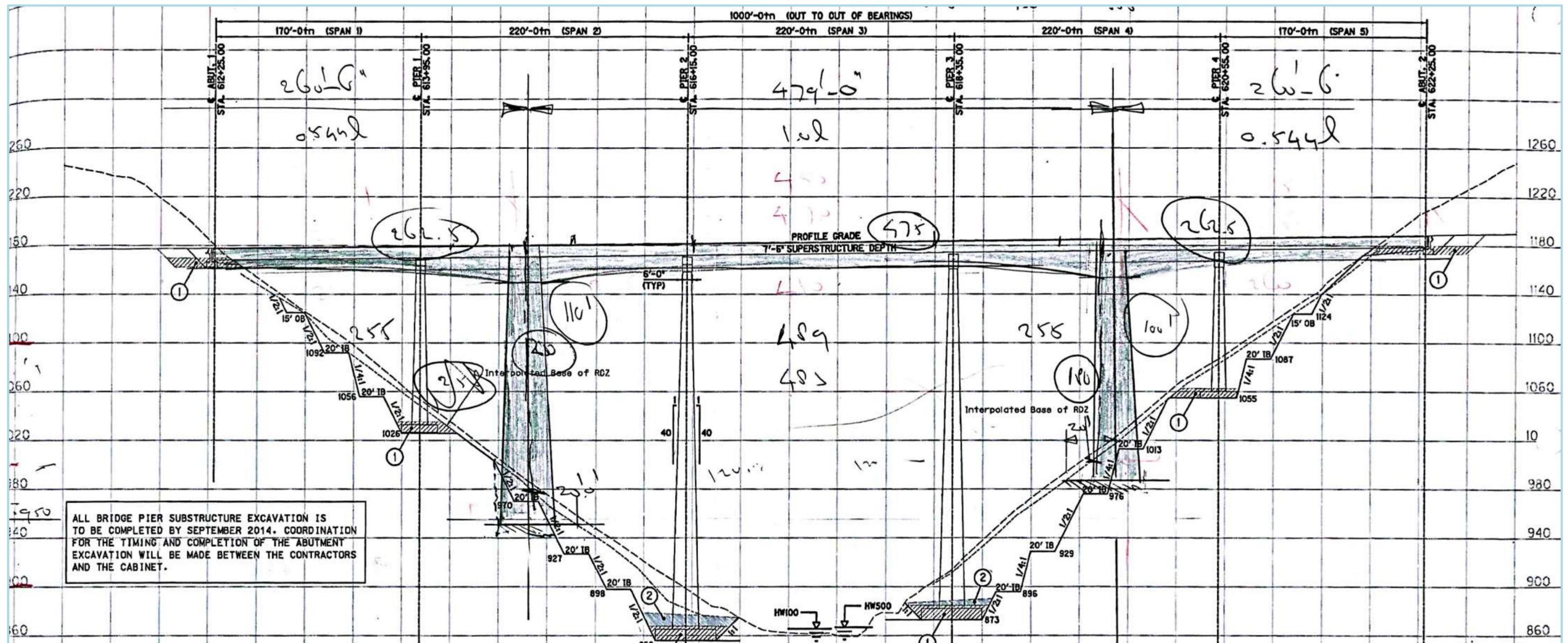
## Pike County Construction Section 6B





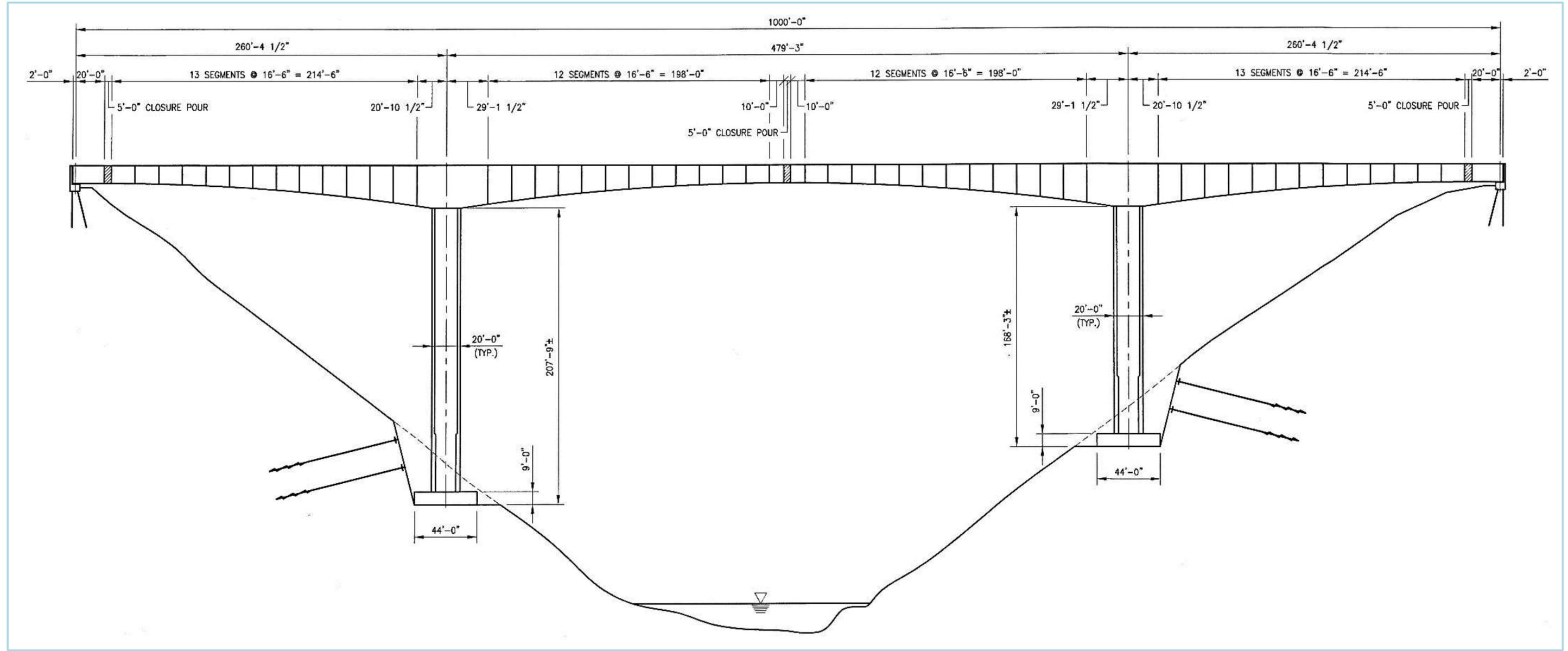
# US ROUTE 460

## Cut Stability Section for Pond Creek Bridge Excavation Structure Foundation Excavation



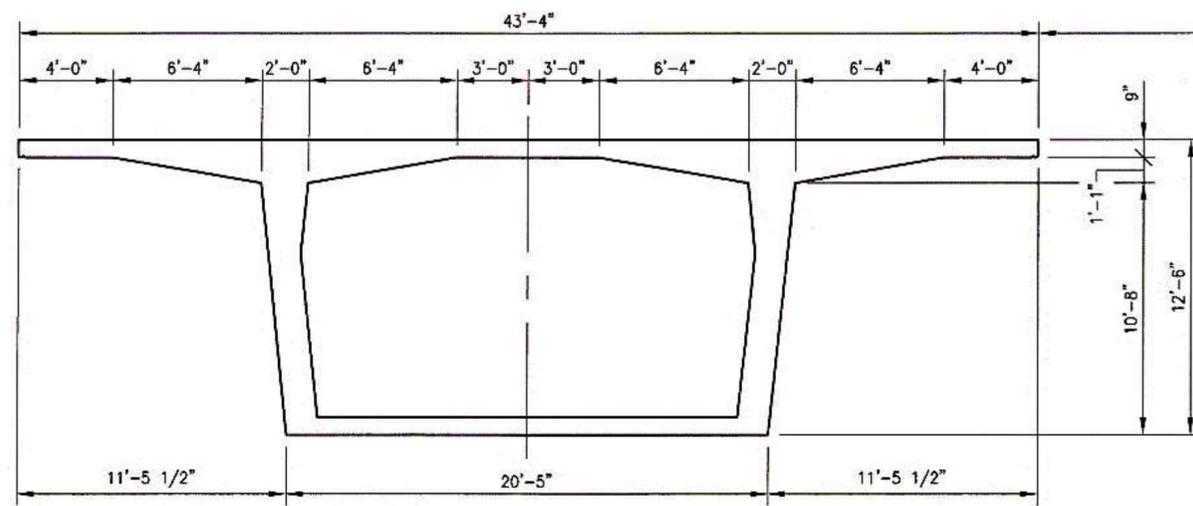
# US ROUTE 460

Sheet 100

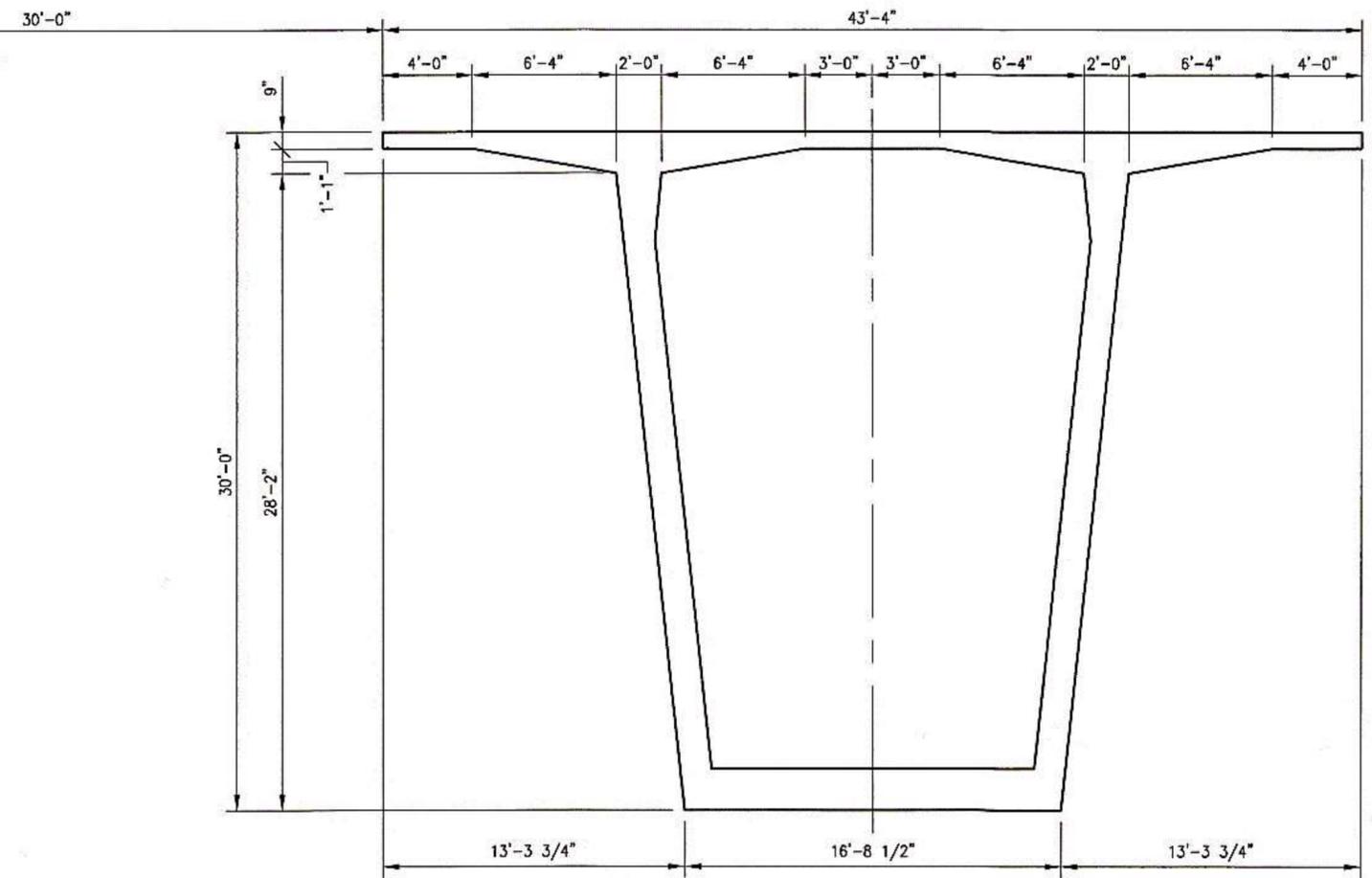


# US ROUTE 460

Sheet 101



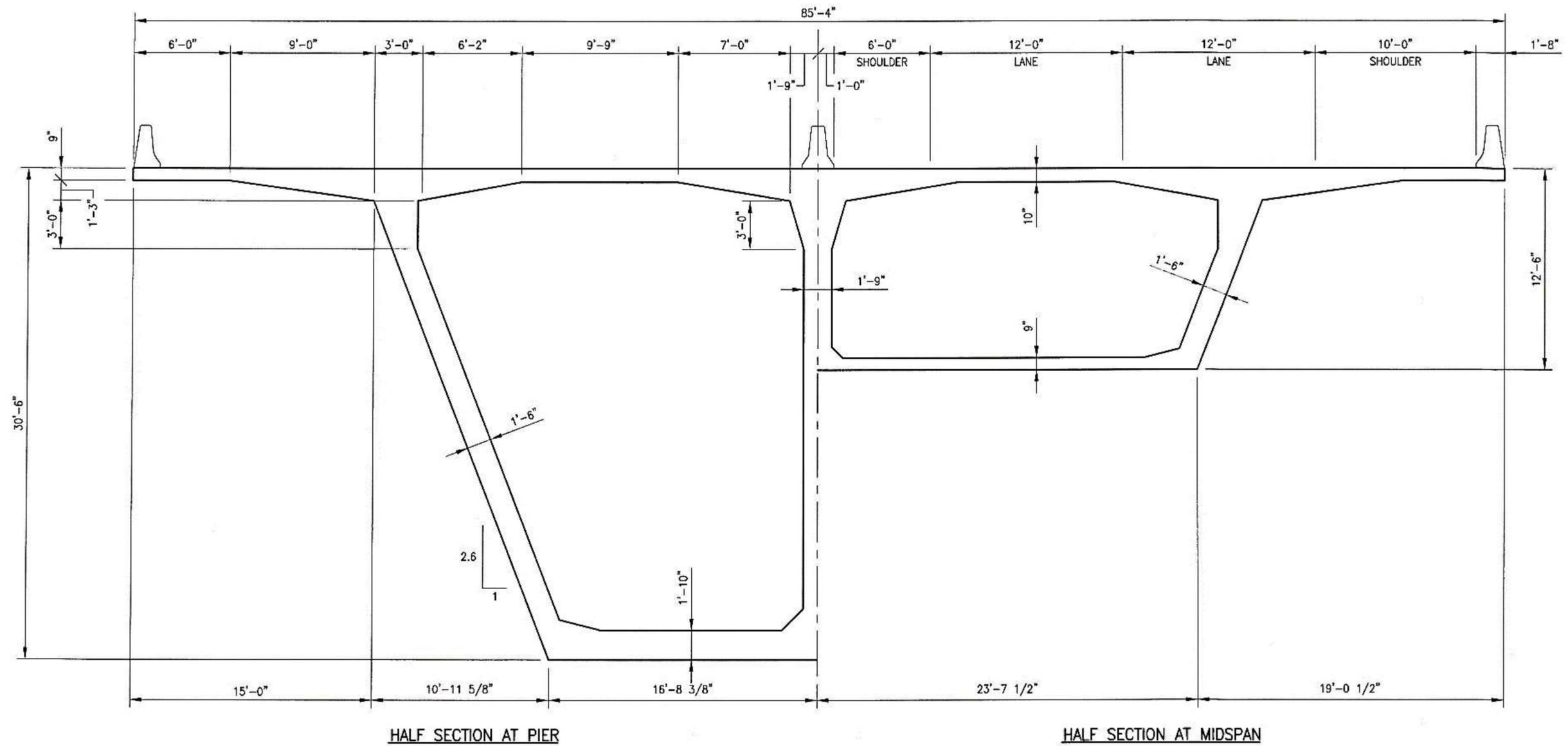
HALF SECTION AT MIDSPAN



HALF SECTION AT PIER

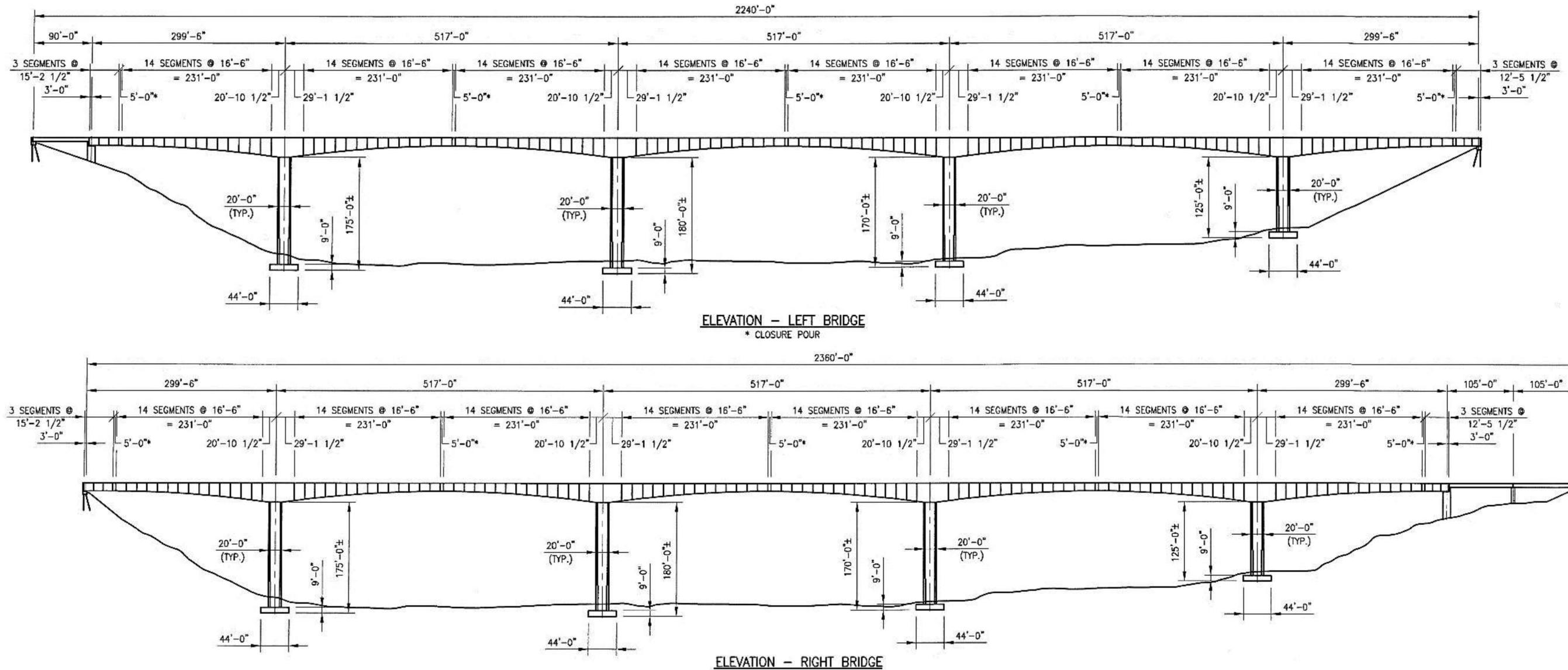
# US ROUTE 460

Sheet 401



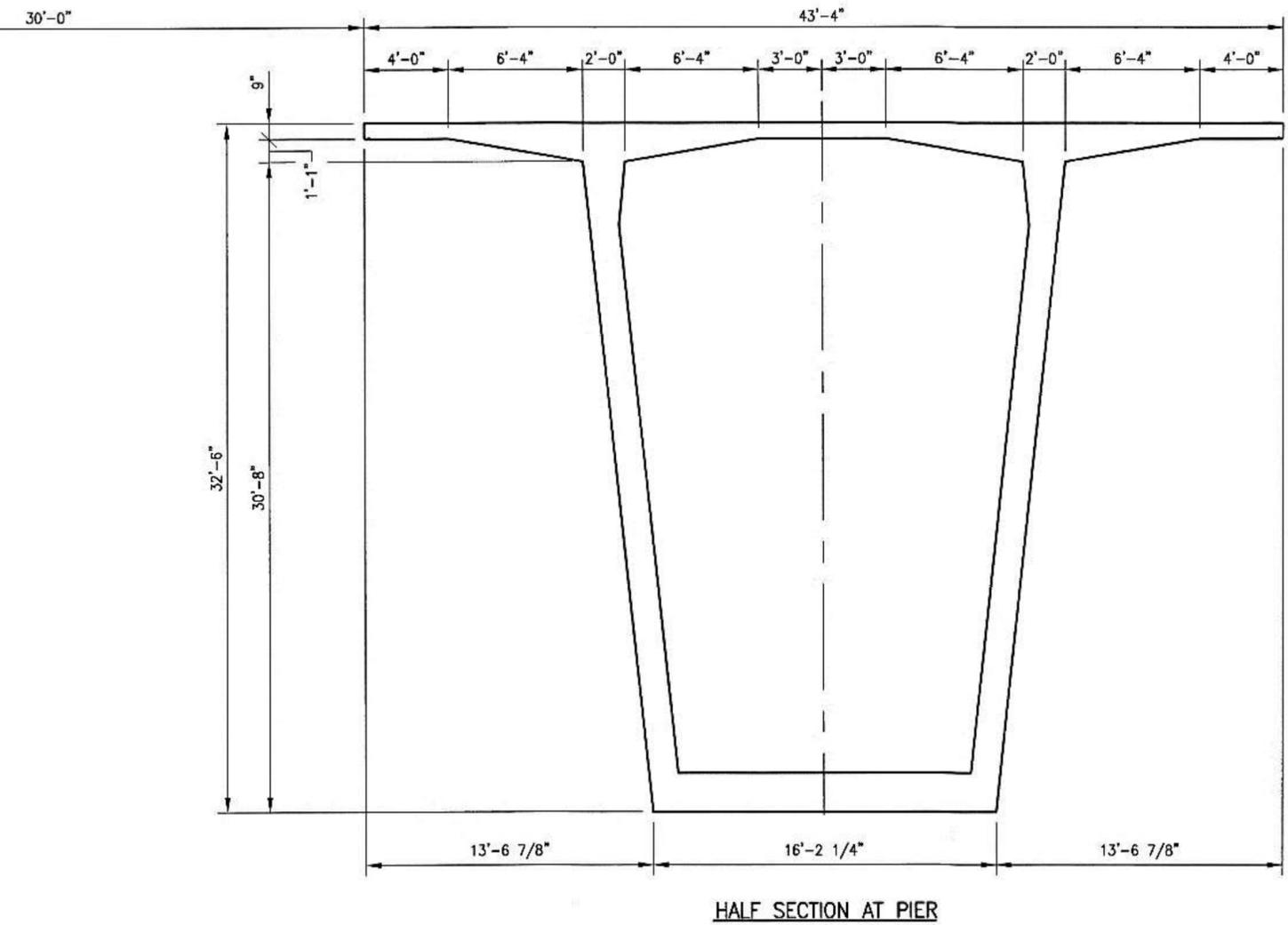
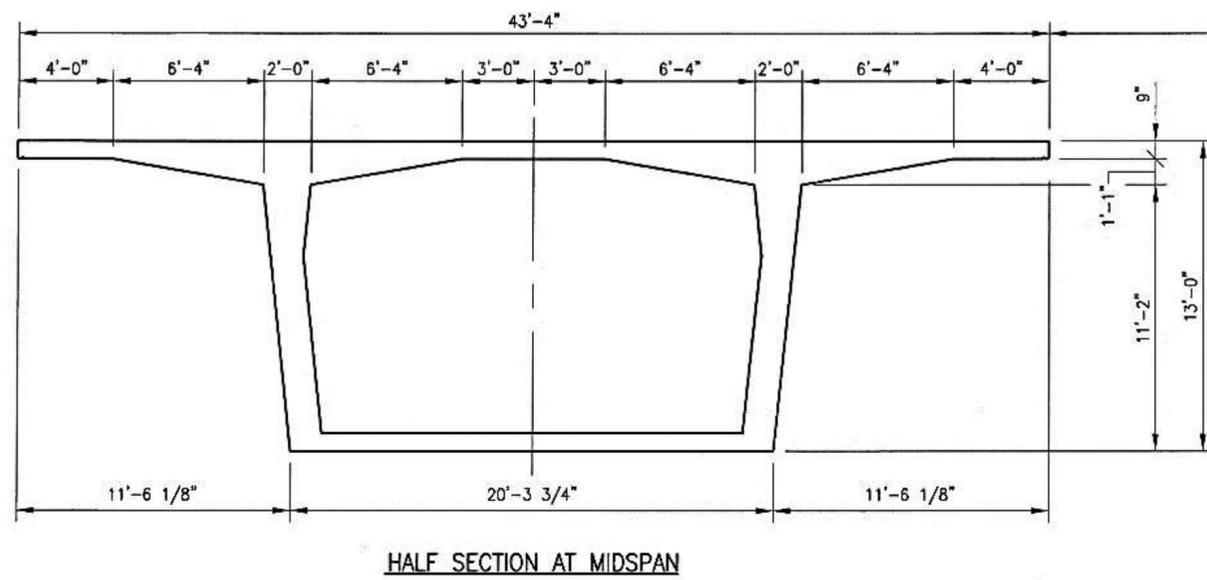
# US ROUTE 460

## 5 Span Alternate



# US ROUTE 460

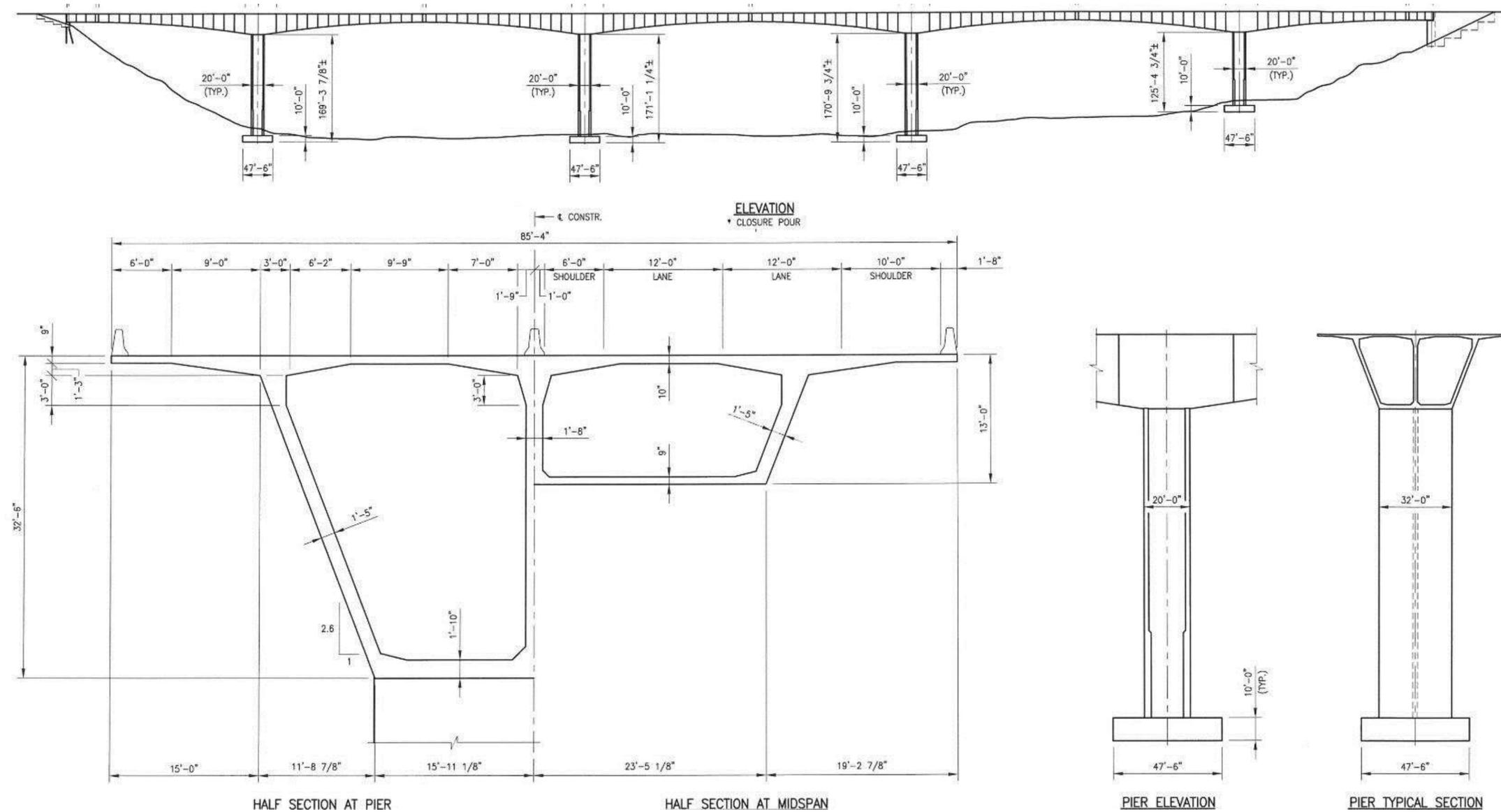
Sheet 201



# US ROUTE 460

## 5 Span Alternate

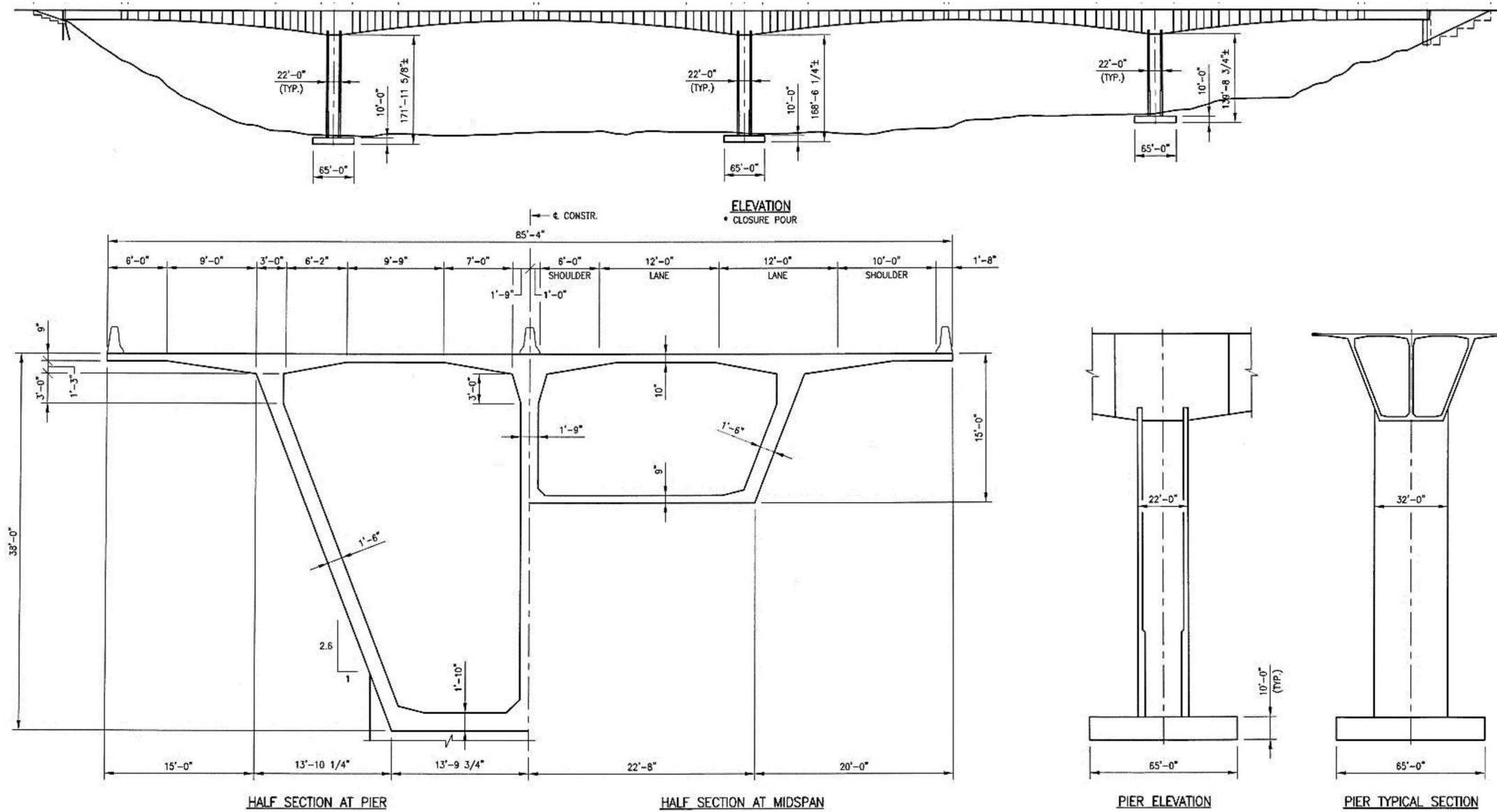
Length  
2150'



# US ROUTE 460

## 4 Span Alternate

Length  
2150'



Thank you for your time!

**QUESTIONS?**

**Janssen & Spaans Engineering, Inc.**

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