

Seventh Street Bridge Aesthetics Meeting #2

February 25, 2015



Agenda

- Housekeeping, Introductions and Agenda-Judith Buethe
- Welcome—David Leamon, PE
—Hans Strandgaard, PE
- Bridge Aesthetics-Don MacDonald, FAIA
- Lidar video preserving history of existing bridge
- Questions and Answers



Public Involvement Opportunities

- ~~• Community Advisory Group Meeting Oct 3, 2013~~
- ~~• Public Scoping Meeting Oct 14, 2013~~
- ~~• Public Comment Period on the Notice of Preparation thru Oct 30, 2013~~
- ~~• Community Advisory Group Meeting Jan 9, 2014~~
- ~~• Public Outreach Meeting (Alternatives) Feb 24, 2014~~
- Bridge Aesthetic Workshops in January and February 2015
- Public Comment Period on the Draft EIR in Summer 2015
- www.7thStreetBridge.org



Survey Results

- **75% voted for-** Single Tied Arch Span with Precast Spans (Alt. 2a)
- **16% voted for-** Box Girder Spans (Alts. 3 and 4)
- **8% voted for-** *A bridge that resembles the old construction*
- **0% voted for** - All Precast Spans (Alt. 2B)

Consensus

- Preserve the lions somewhere
- Need to improve and enhance civic pride
- Consider different vantage points from which the new bridge will be viewed
- Provide overlooks at key locations



How to Vote-Use the forms provided to record your preferences

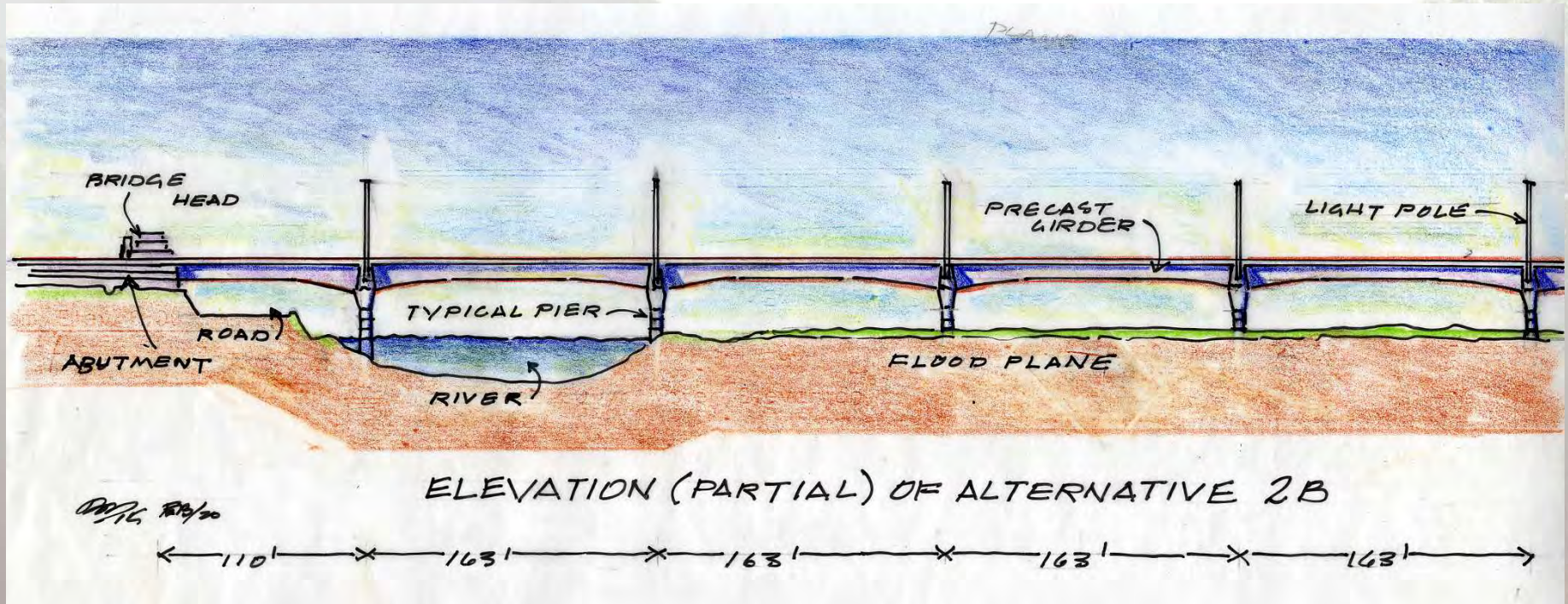
1. Bridge type: Prefer Box Girder or Precast Girder Bridge?
2. Typical pier for precast girder bridge: Option 1 or 2?
3. Pathway on tied arch: Inside or outside of arch?
4. Outlook locations for Arch Bridge: centered on river or at ends?
5. Outlooks: Curved or rectangular?
6. Abutments: Horizontal or vertical patterns?
7. Ped/bike paths
 - a) For Viaduct, auto barrier outside of sidewalk or edge of roadway?
 - b) Pattern on sidewalk: striping or diagonals?
8. Handrails: Option 2, 3, 4, 5, or 6?
 - a) Lighting on Handrail?
9. Bridge heads: Option 1 or 2?
10. Light poles: Vertical pole (modern), old fashioned, pole with arch at top, or modified cobra head?
11. What do you think of the idea for the plaza?



Alternative 2B-Precast Bridge



Box Girder and Precast Bridges



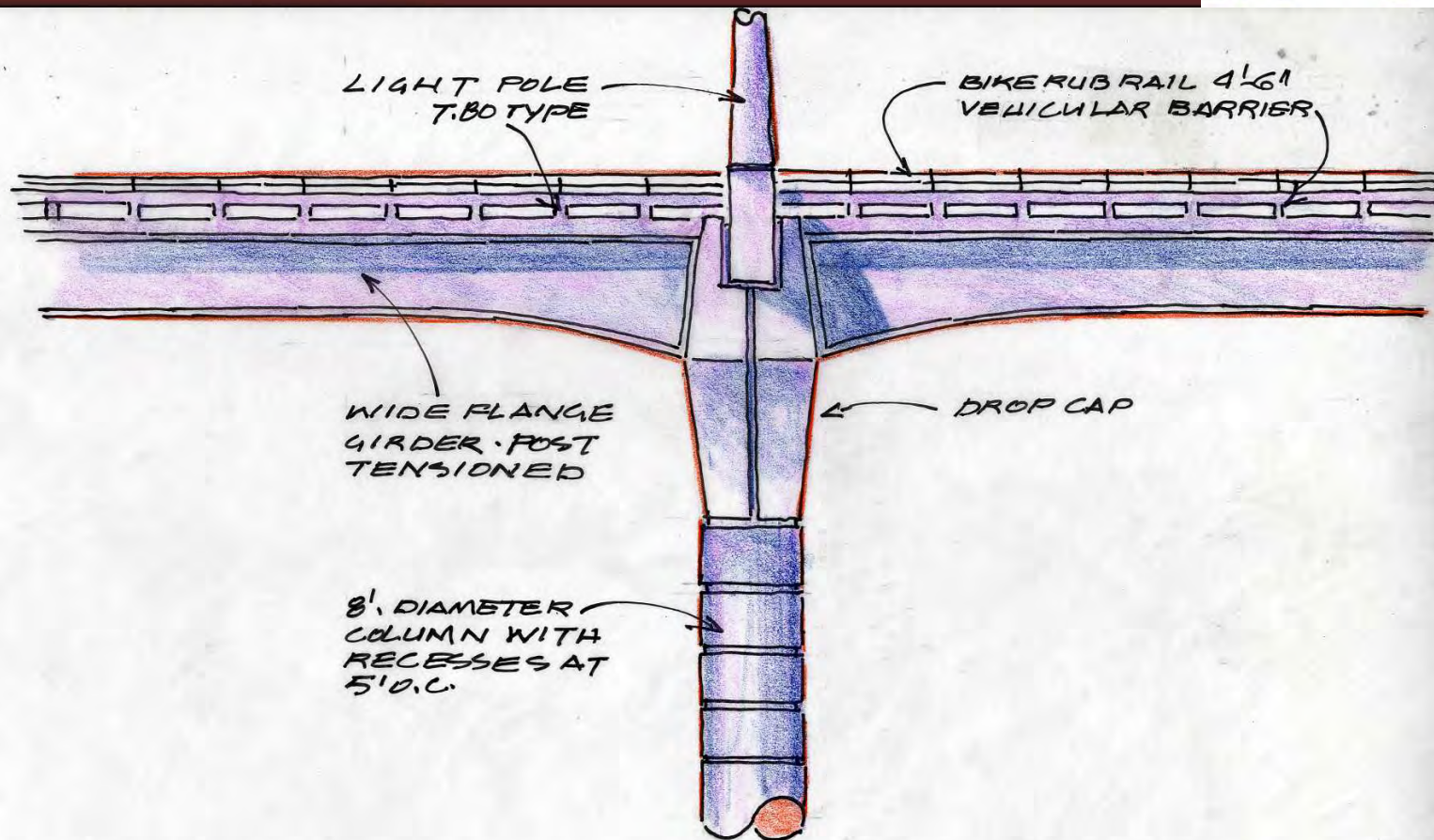
Box Girder and Precast Bridges



Box Girder Bridge



Box Girder and Precast Bridges



ELEVATION FOR TYPICAL PIER
OF ALTERNATIVE '2B'.

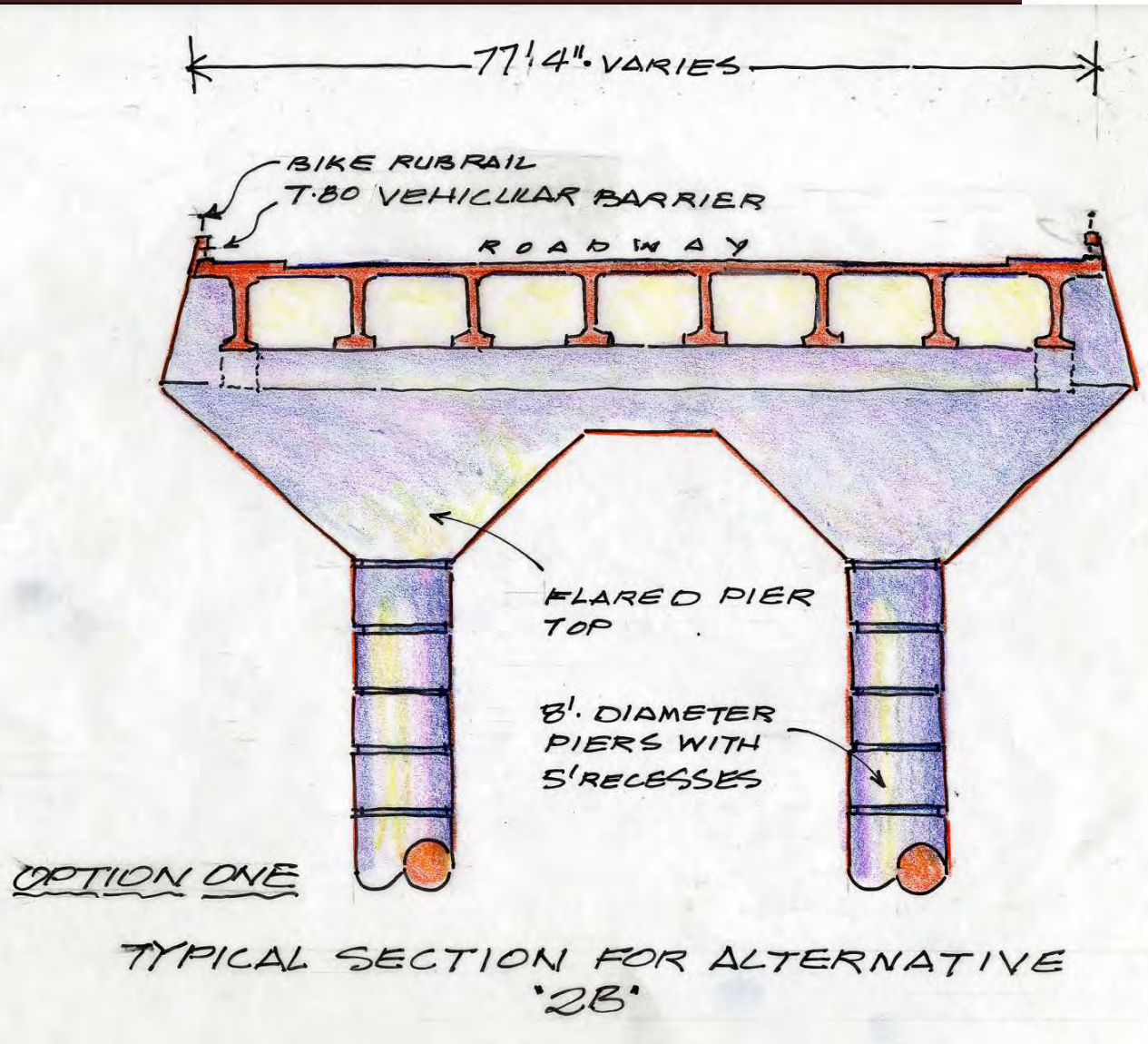
09/10/2014



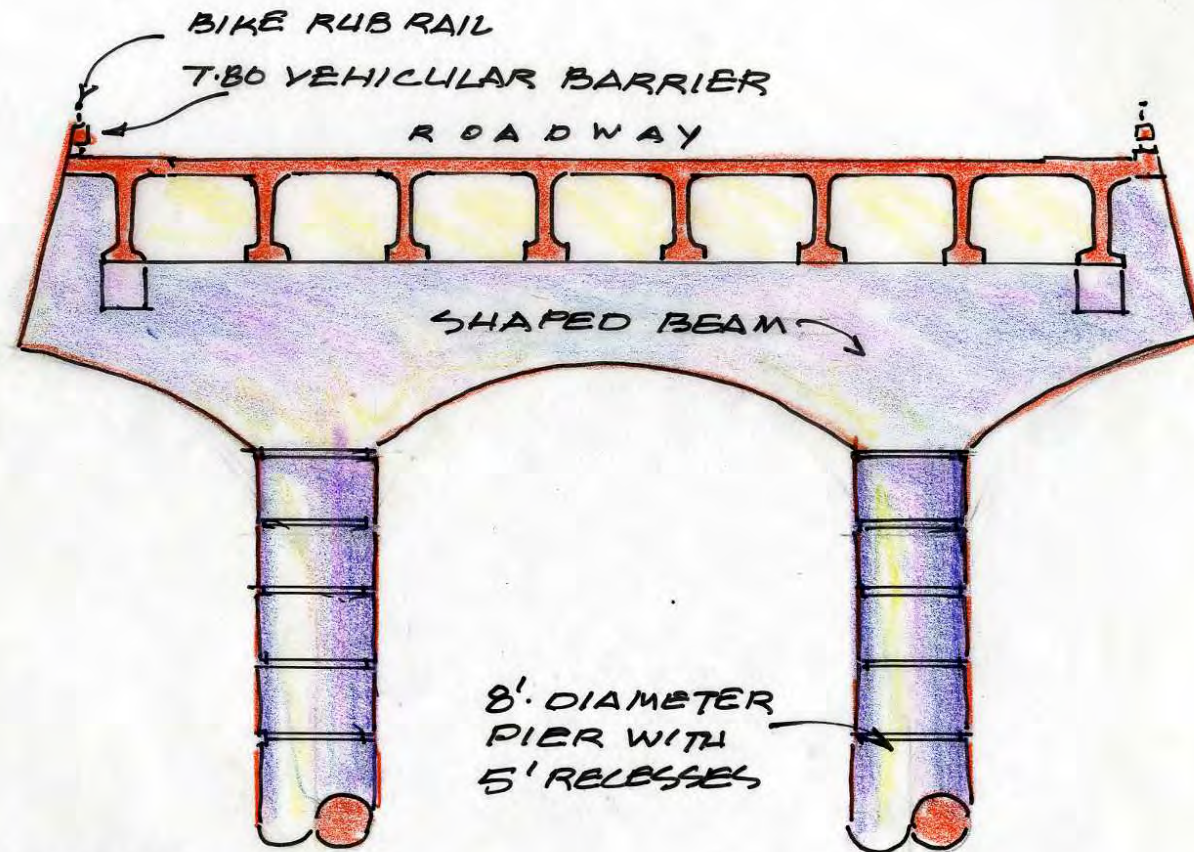
Precast Bridge



Precast Bridges-Drop Cap Option One



Precast Bridges-Drop Cap Option 2



OPTION TWO

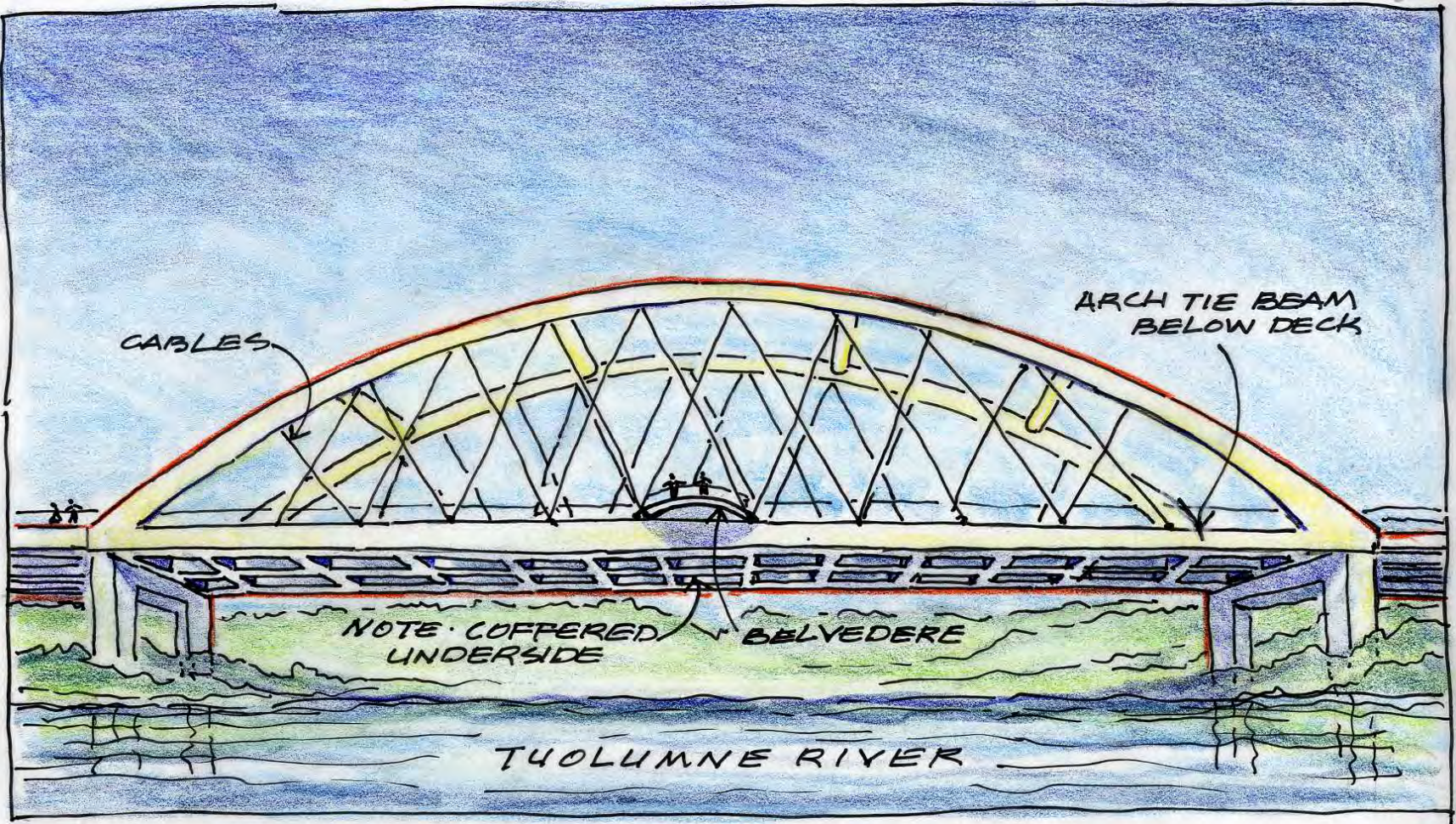
TYPICAL SECTION FOR ALTERNATIVE
'2B'



Alternative 2A-Tied Arch



Tied Arch – Walkway Inside Arch

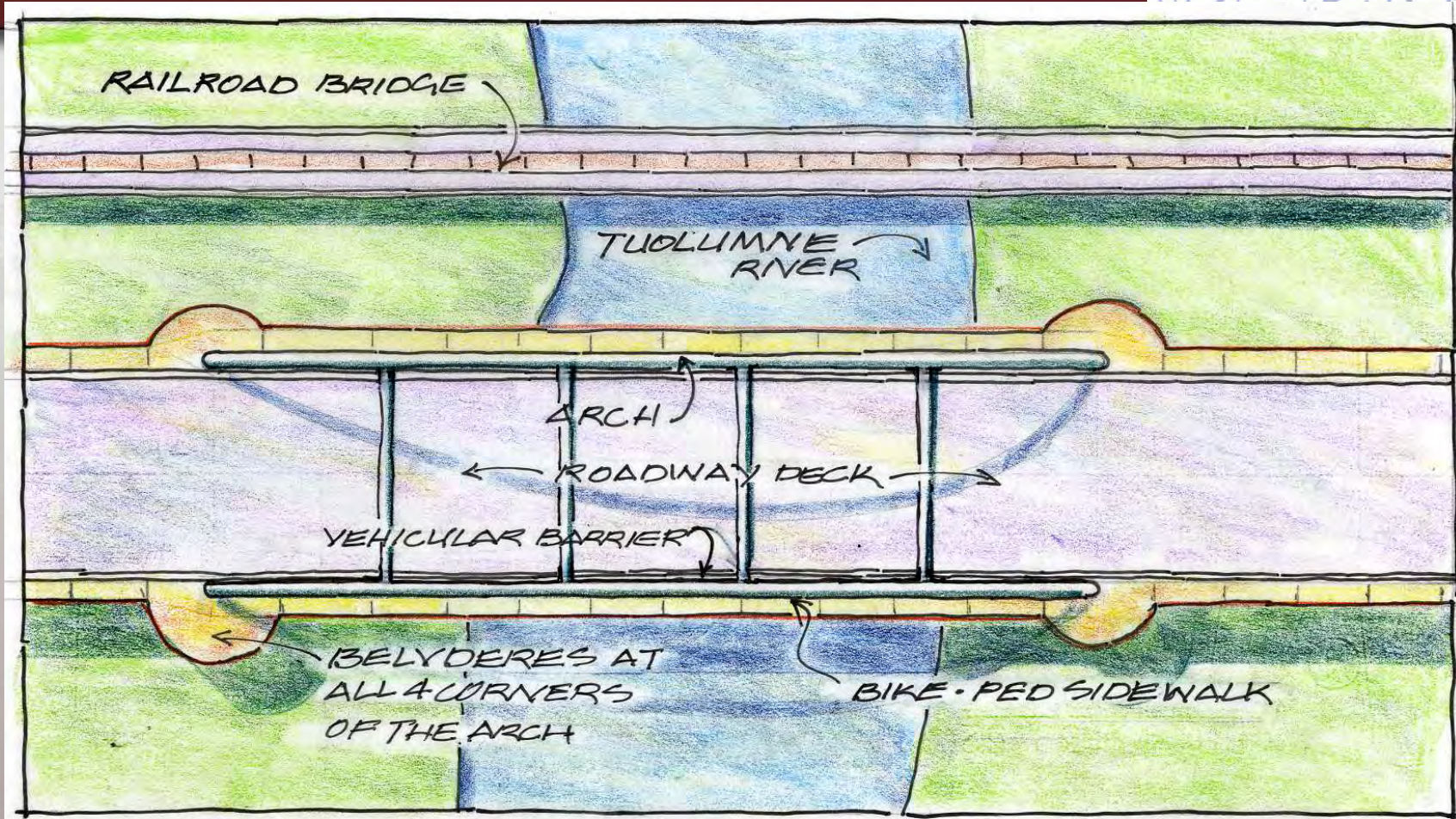


ELEVATION OF TIED ARCH WITH WALKWAY
INSIDE OF ARCH



Ped/Bike Pathways Outside of Tied Arch

7th Street Bridge Project



PLAN SHOWING BIKE-PED PATHWAY OUTSIDE OF ARCH

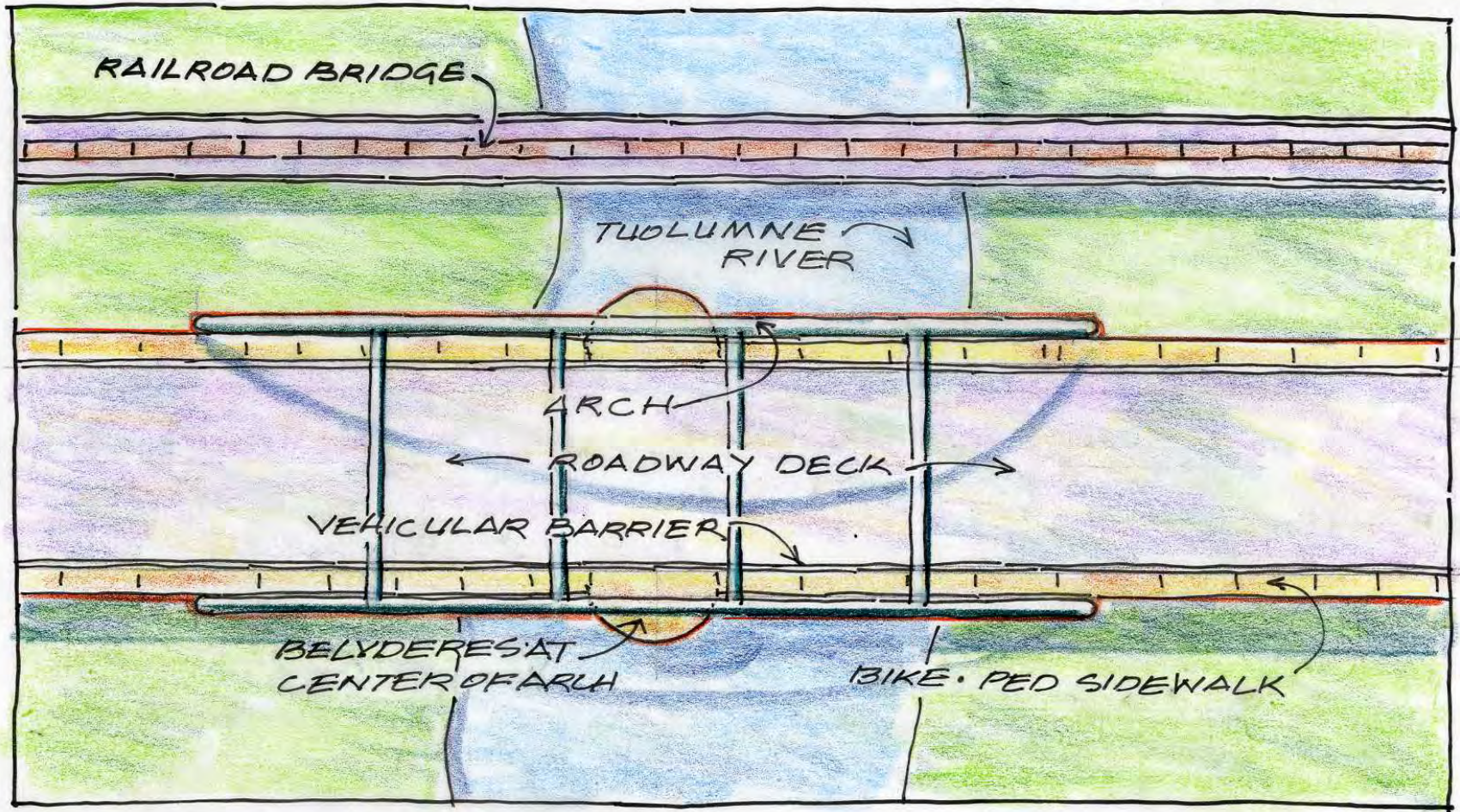
2/15/15

FEB 18/15



Ped/Bike Pathways Inside of Tied Arch

7th Street Bridge Project



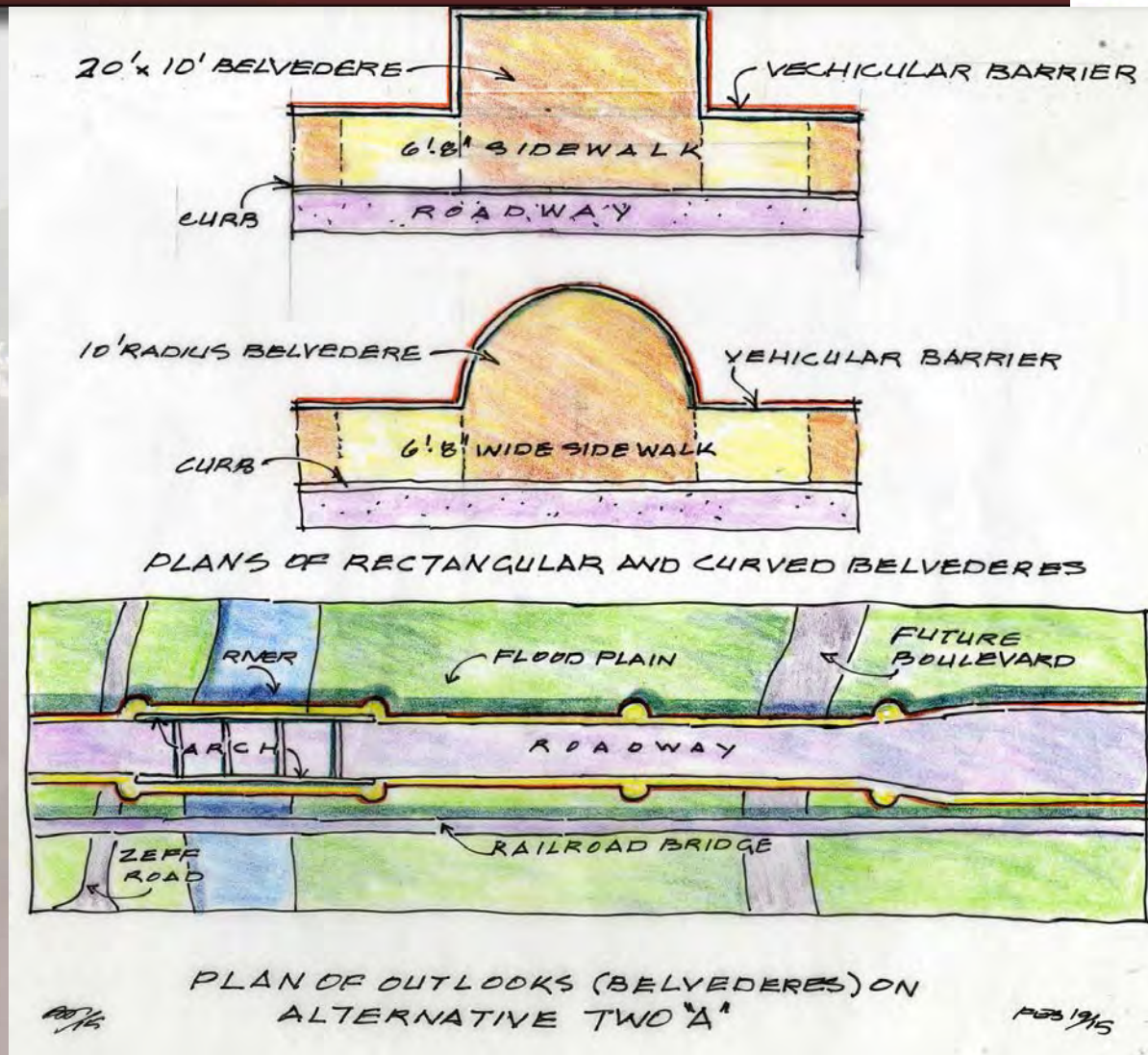
PLAN SHOWING BIKE - PED PATHWAY INSIDE
OF ARCH

DN/14

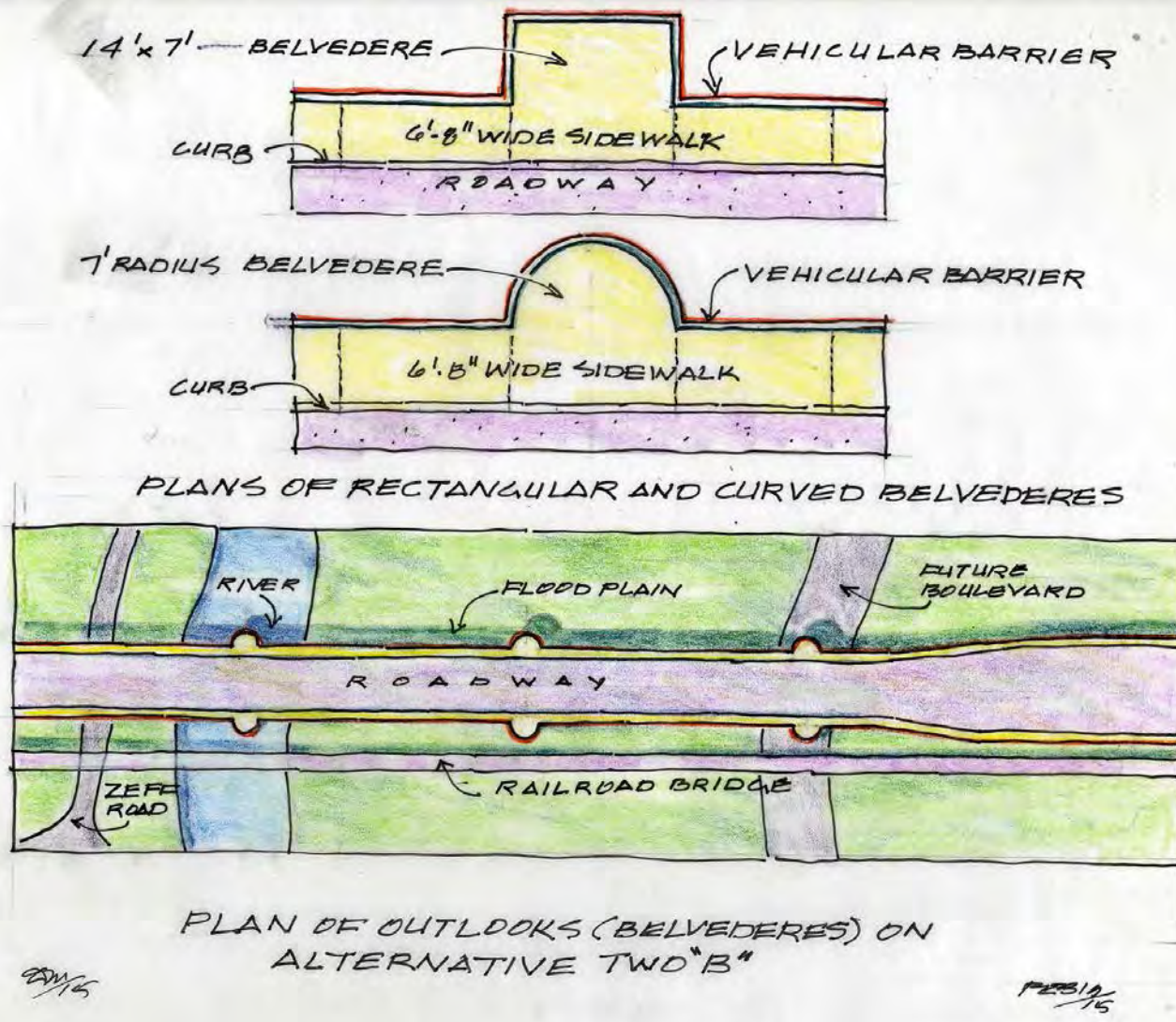
FEB 19/16



Outlook Locations



Outlook Locations



Curved Outlook



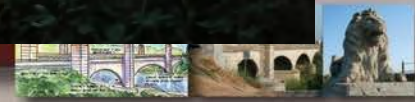
Rectangular Outlook



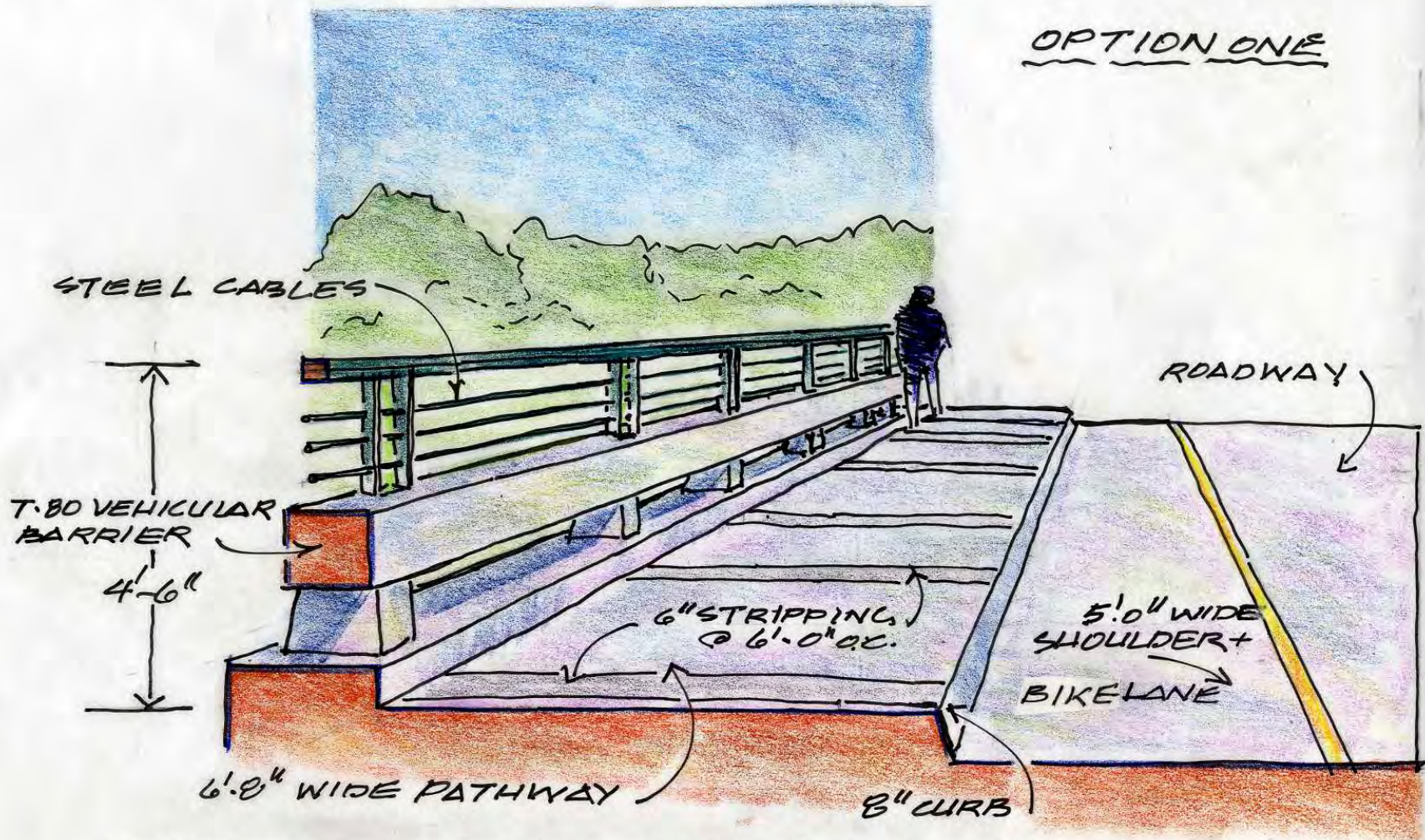
Horizontal Abutments



Vertical Abutments



Ped/Bike Pathway Option 1



PARTIAL SECTION AND PERSPECTIVE OF
BIKE-PED PATHWAY

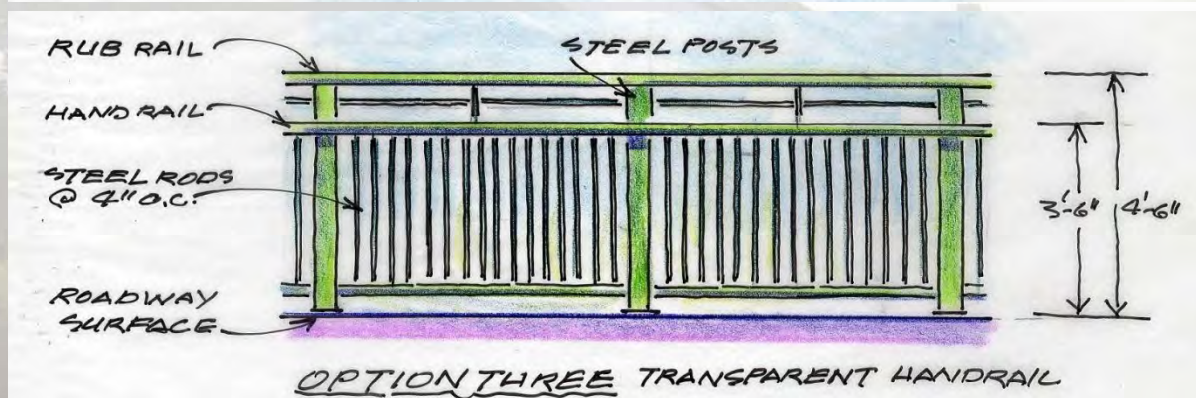
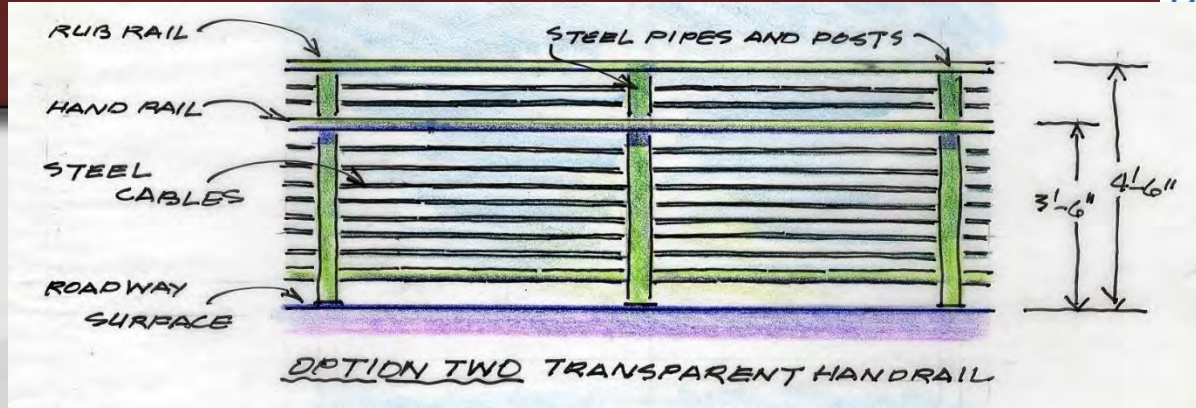
FEB 19/19

Ped/Bike Pathways Option 2



PARTIAL SECTION AND PERSPECTIVE OF
BIKE - PED PATHWAY
FEB 19/15.

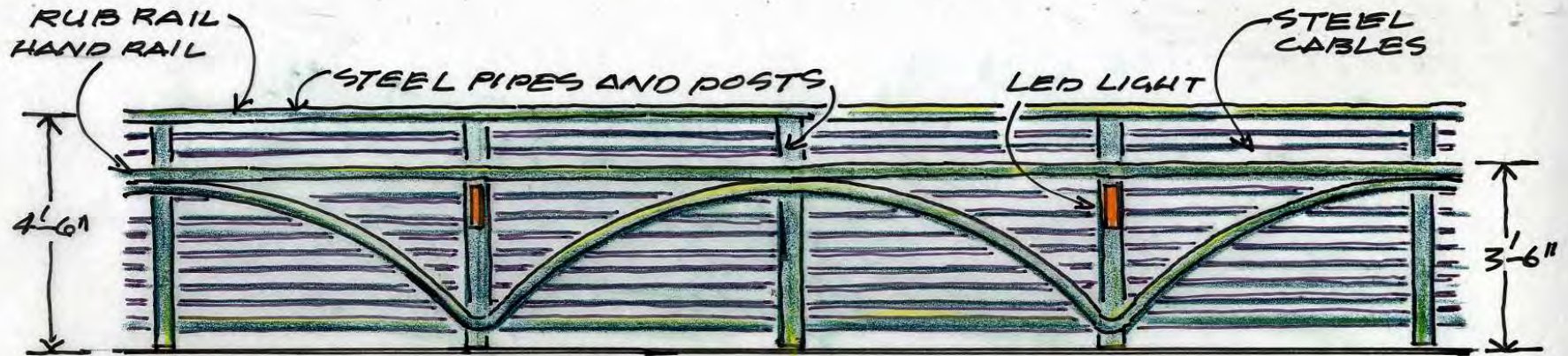
Handrails



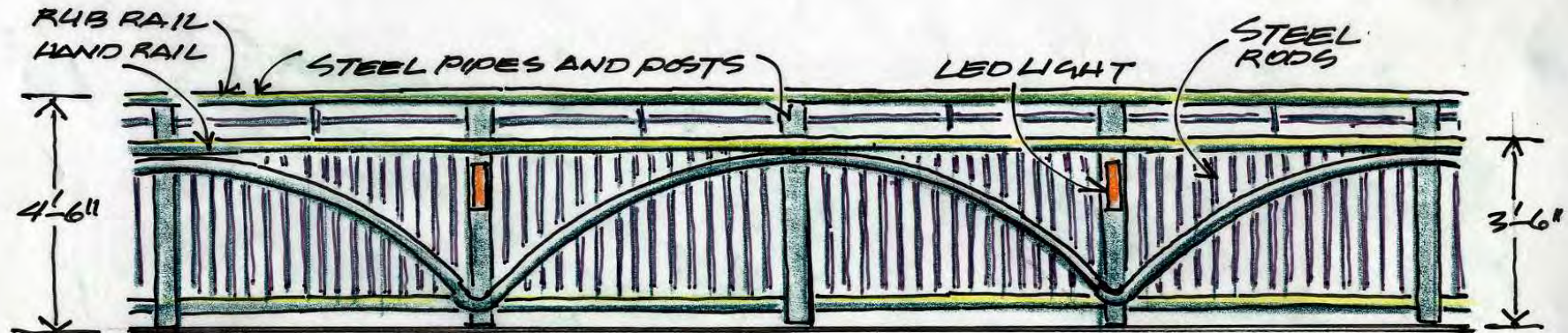
Fish images suggested. Other images possible.



Handrails



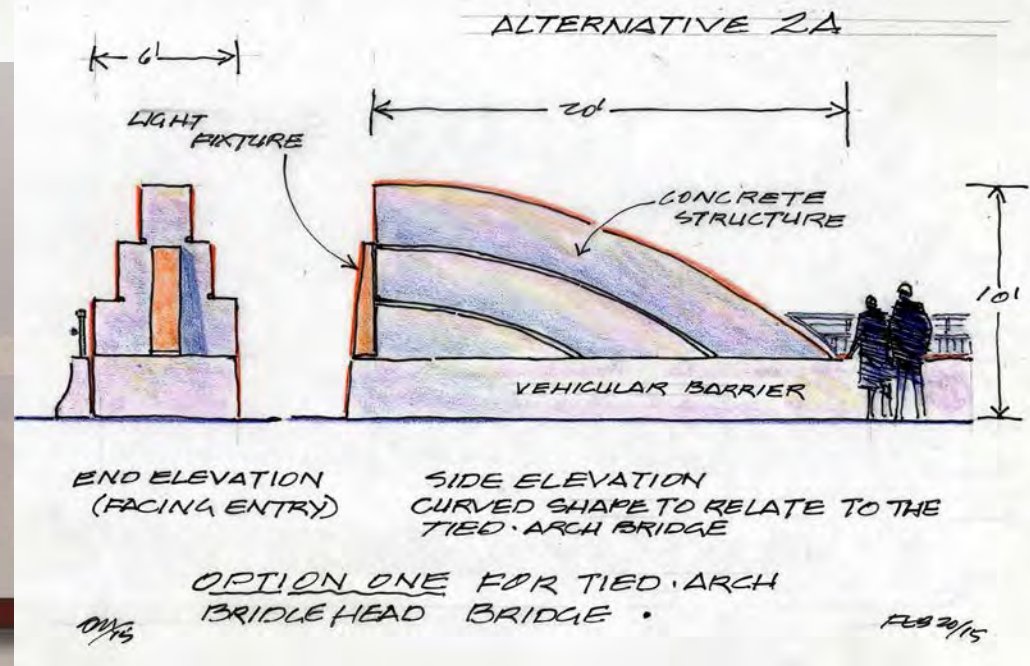
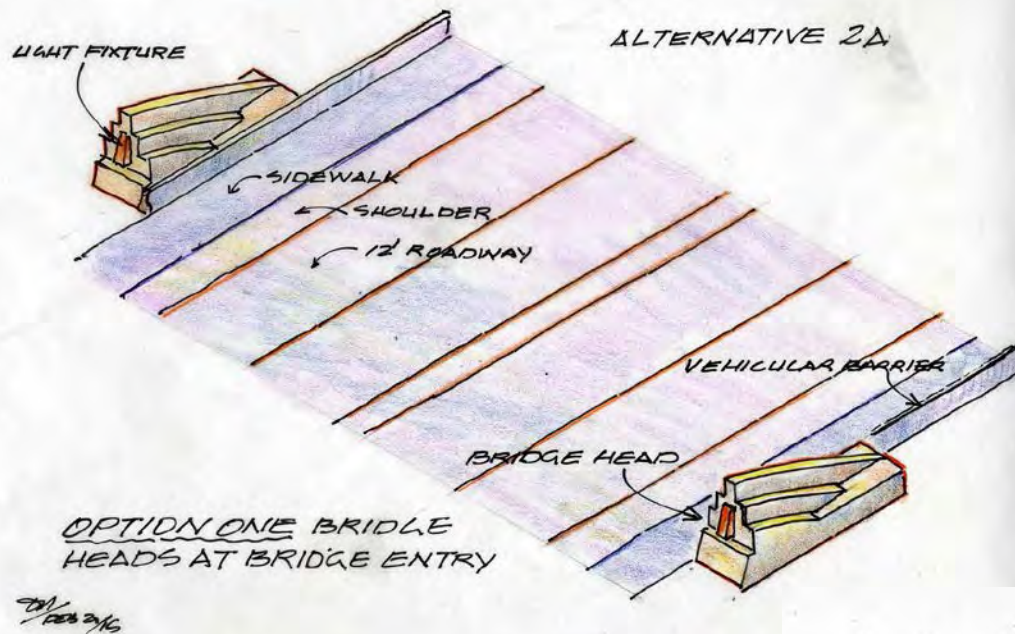
OPTION FIVE: SHOWING ARCH FORM ON HORIZONTAL CABLES



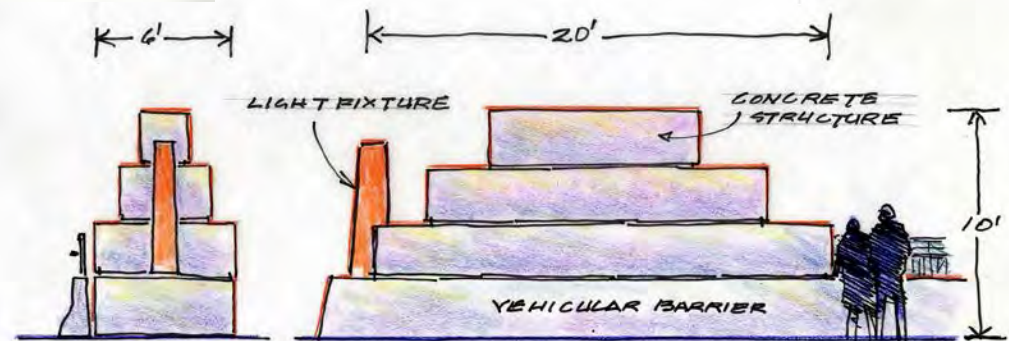
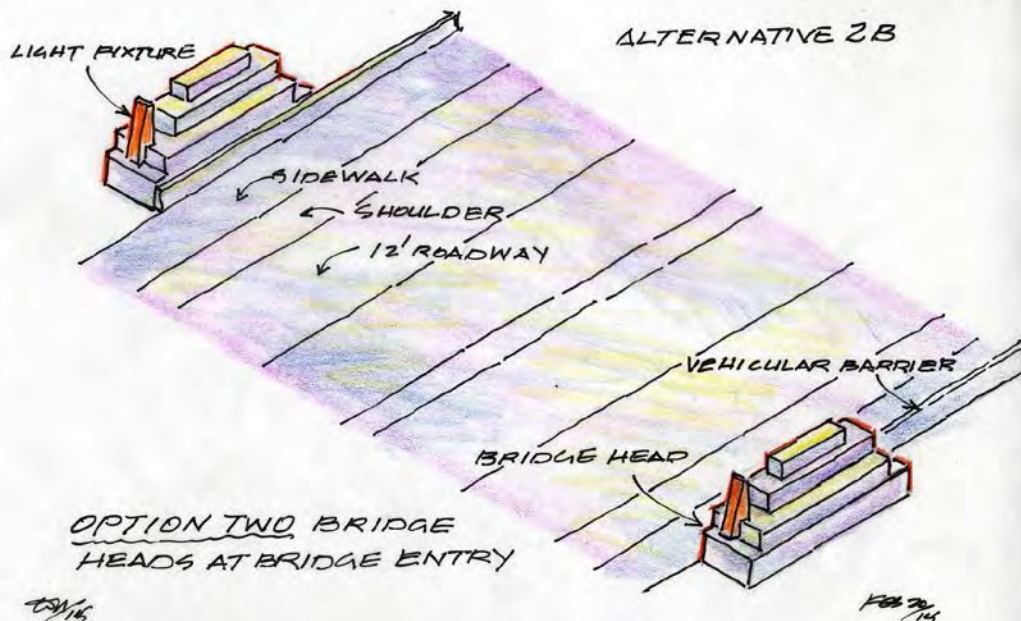
OPTION SIX: SHOWING ARCH FORM ON VERTICAL RODS



Bridge Heads Option 1



Bridge Heads Option 2

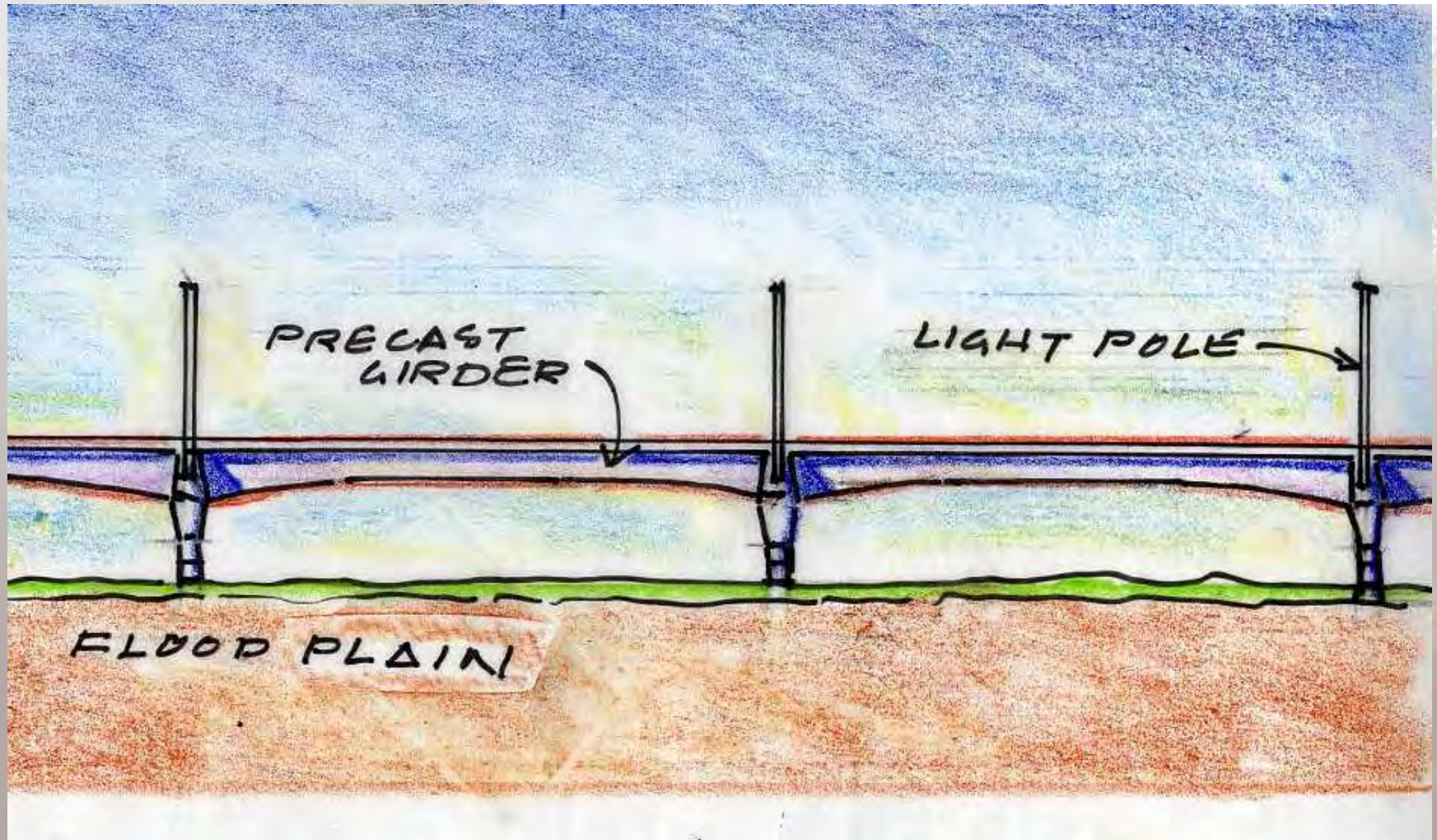


OPTION TWO
BRIDGE HEADS FOR ALTERNATIVE 2B

TSN/16

VB 2/14

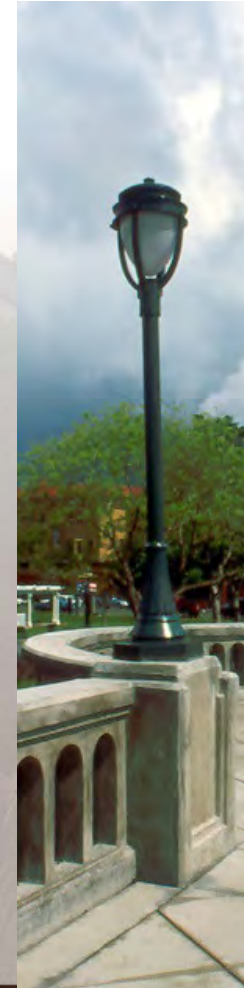
Light Poles



Light Poles



LED fixtures on
pentagon shaped
light poles



Old fashioned
lighting fixtures and
pole on modified
auto barrier



Light Poles



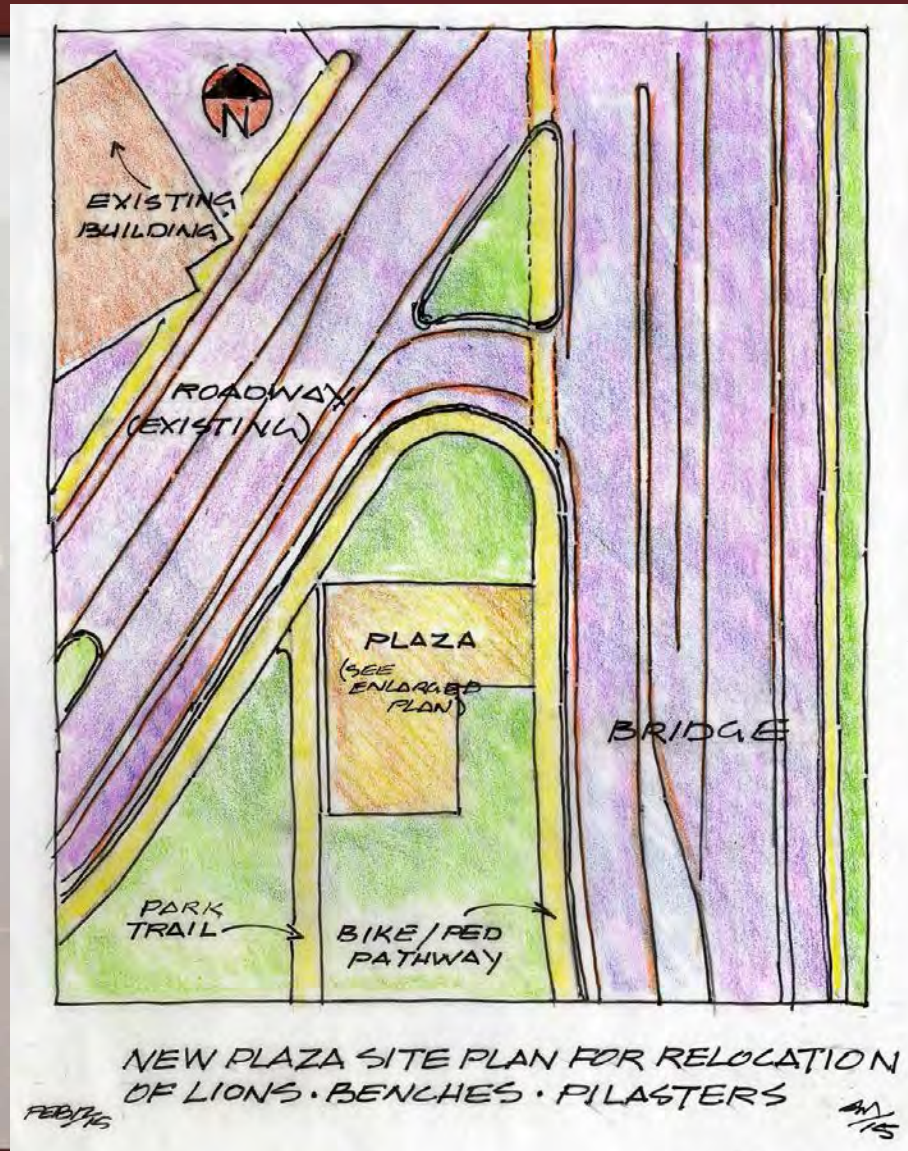
Pole for tied
arch bridge.

LED lights
on arch
shaped
fixture arms

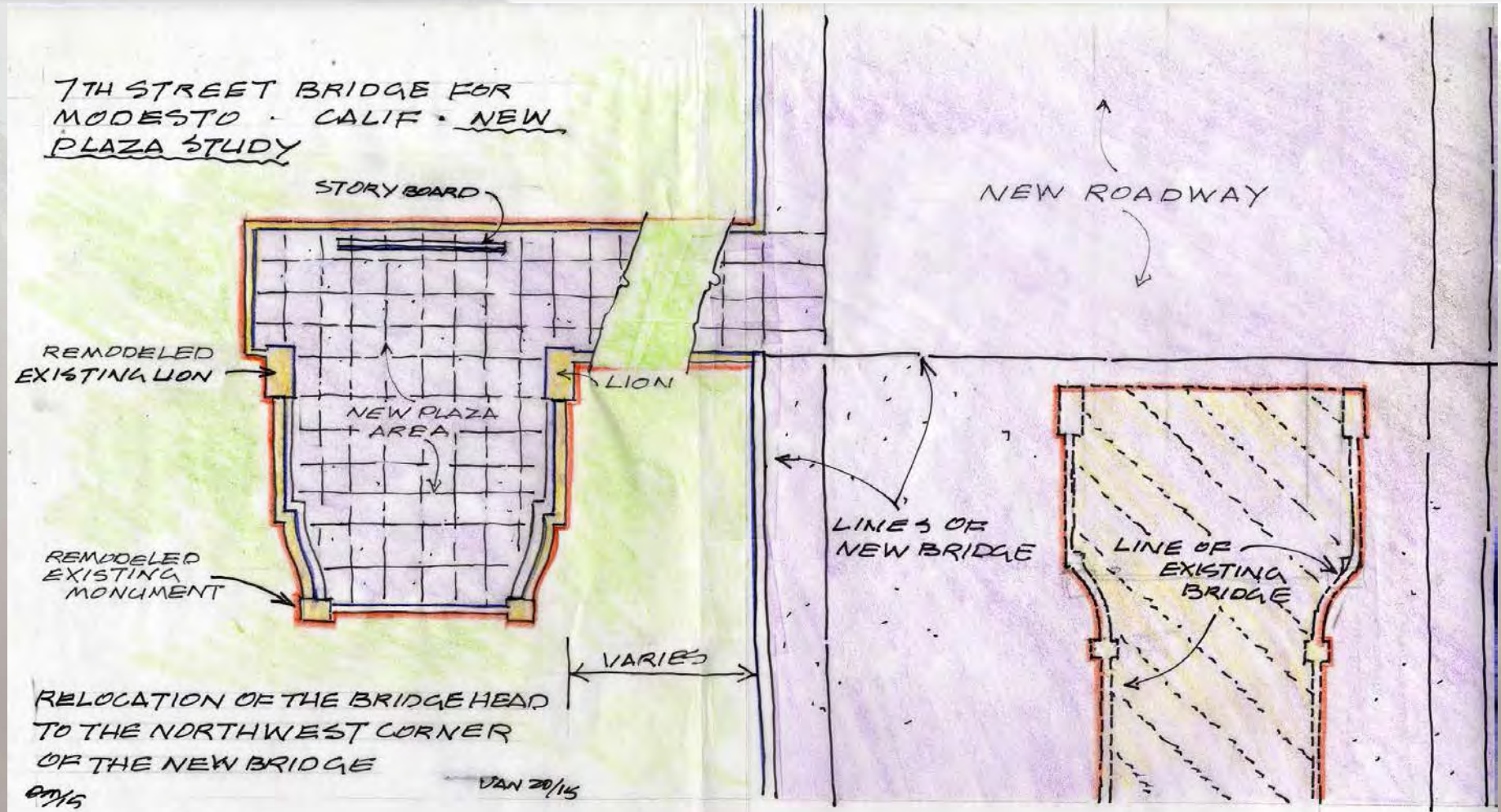
Modified cobra
head pole on side
of T80 barrier



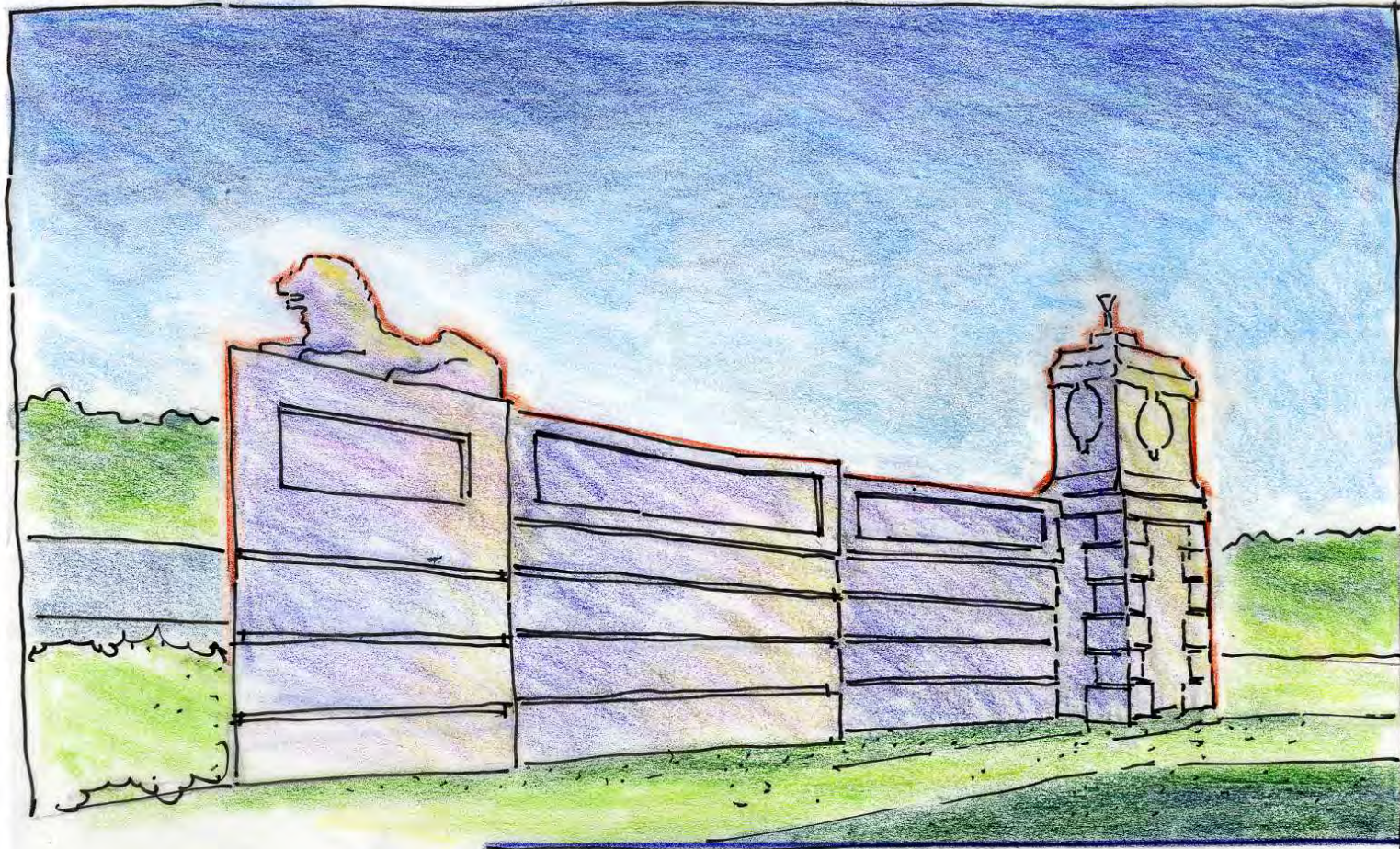
New Plaza



New Plaza



New Plaza



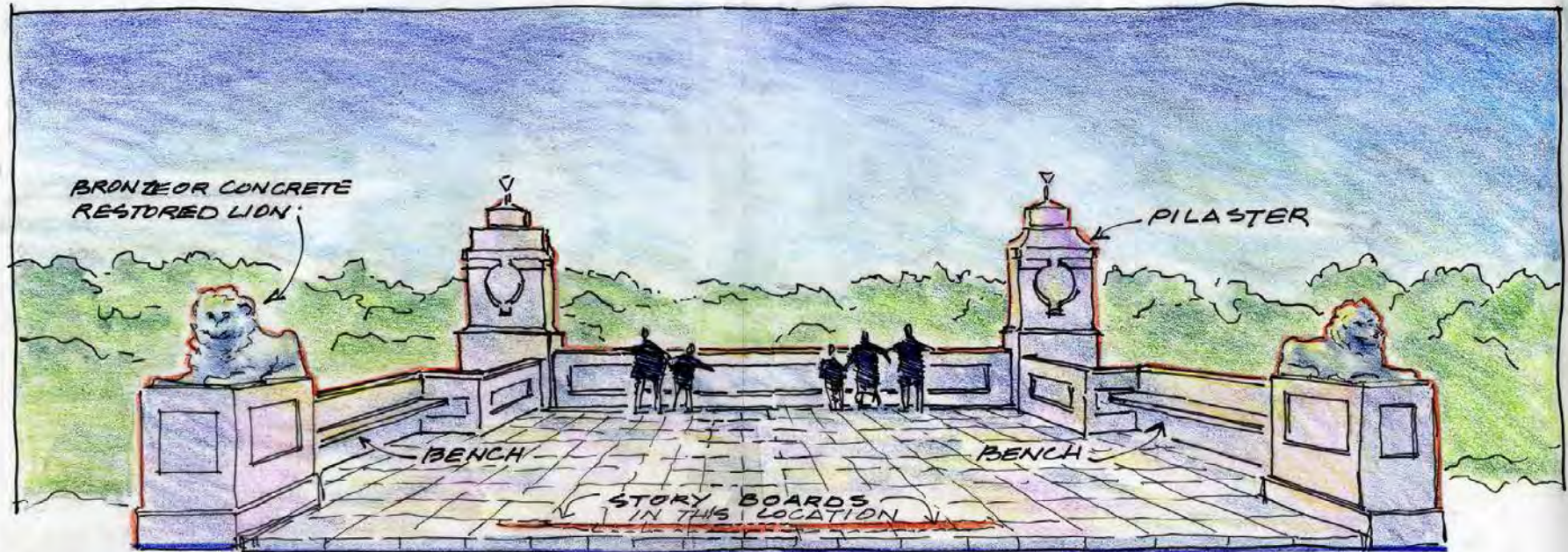
FEB 19/14

SIDE ELEVATION OF RELOCATED
LIONS AND PILASTERS

DM/14



New Plaza



PERSPECTIVE OF PROPOSED PLAZA RELOCATION

10/3/16

10/1/16



7th Street Bridge Lidar Video

