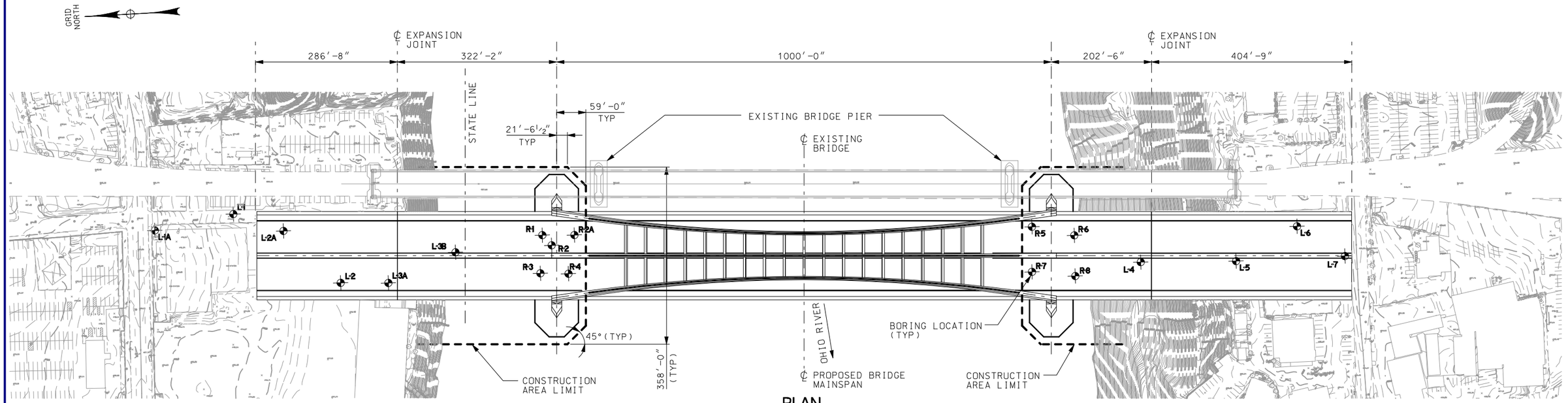
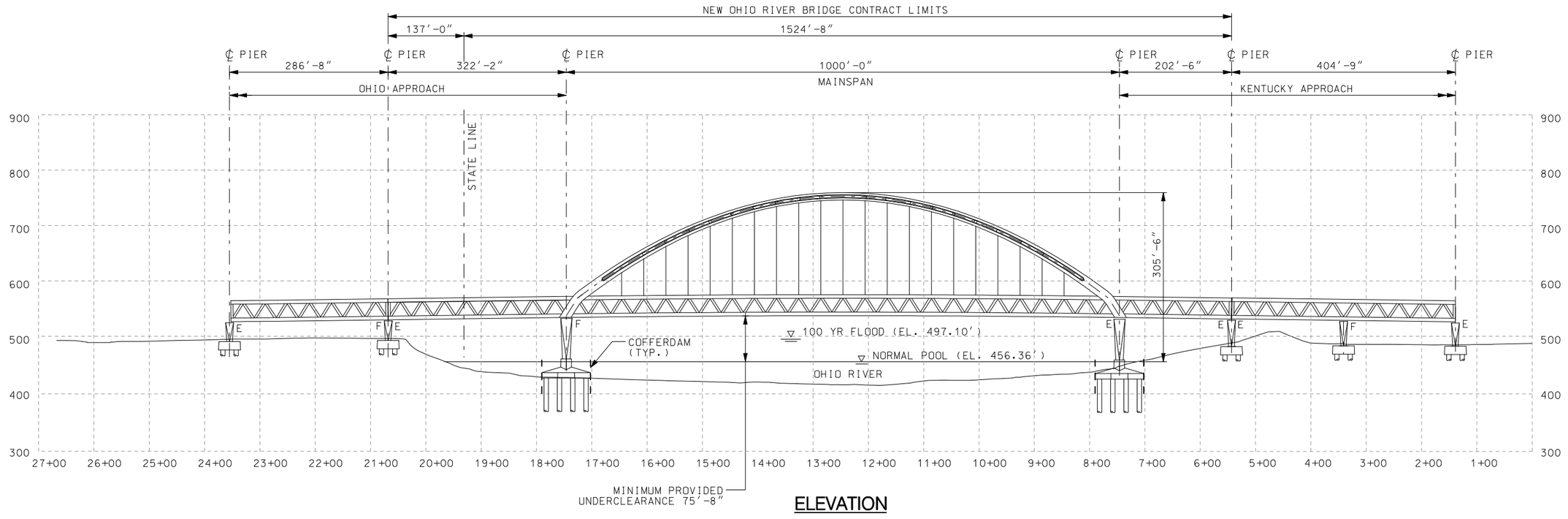


PLAN



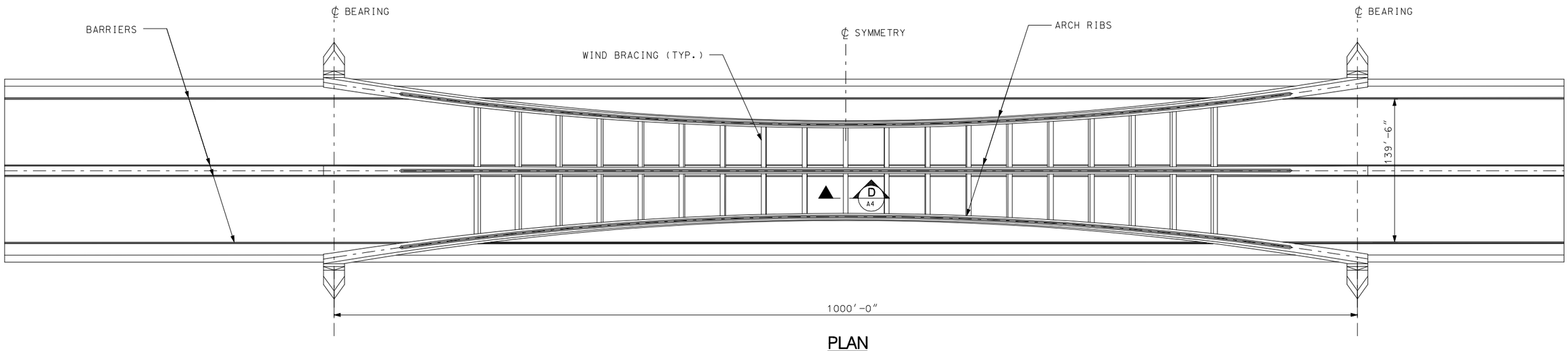
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

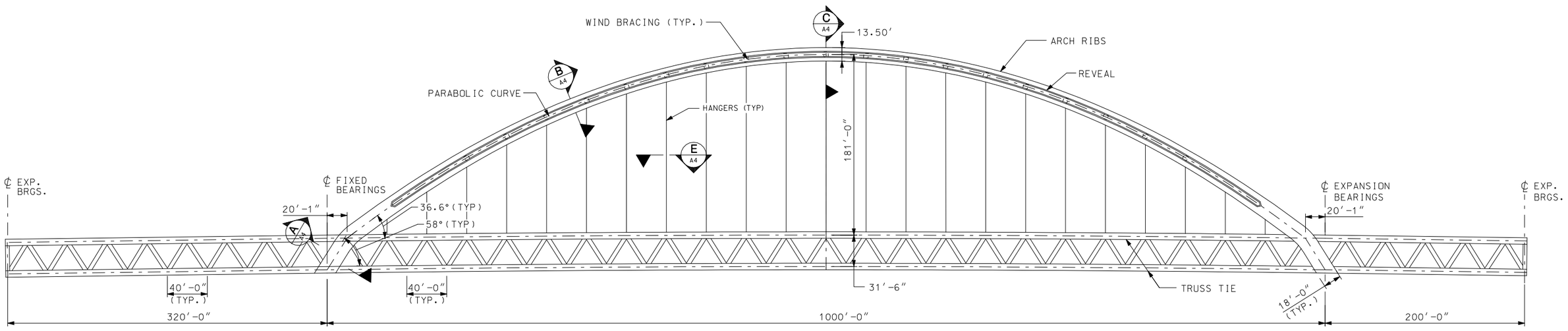
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
GENERAL PLAN AND ELEVATION

EXHIBIT
A1

Prepared by:
PARSONS BRINCKERHOFF



PLAN



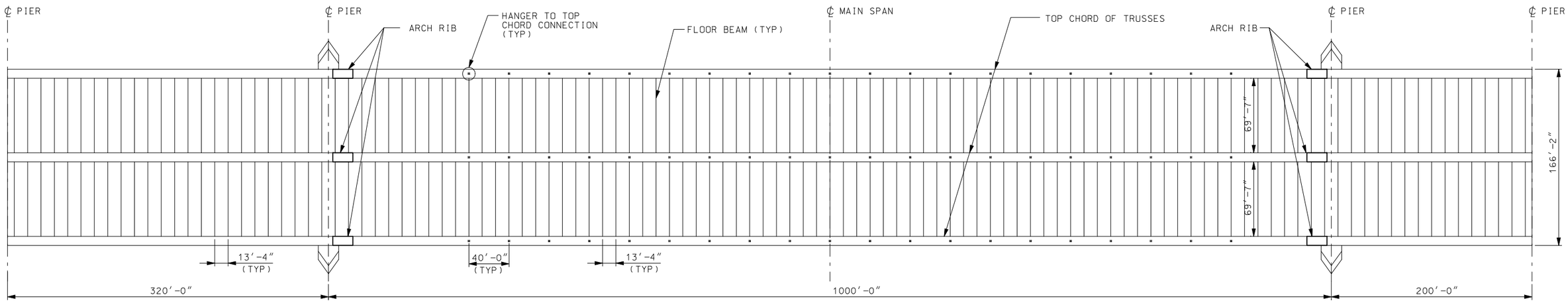
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

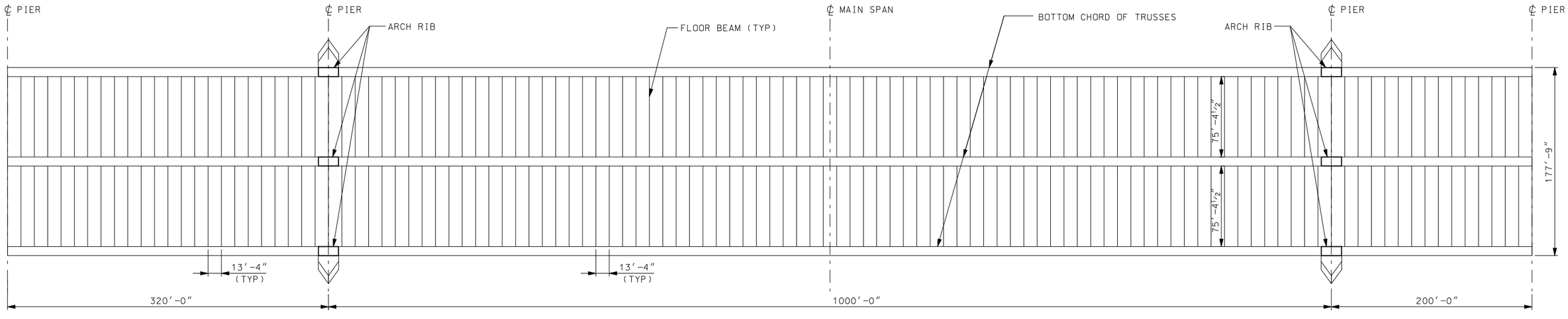
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
SUPERSTRUCTURE PLAN & ELEVATION

EXHIBIT
A2

Prepared by:
PARSONS BRINCKERHOFF



UPPER DECK FRAMING PLAN



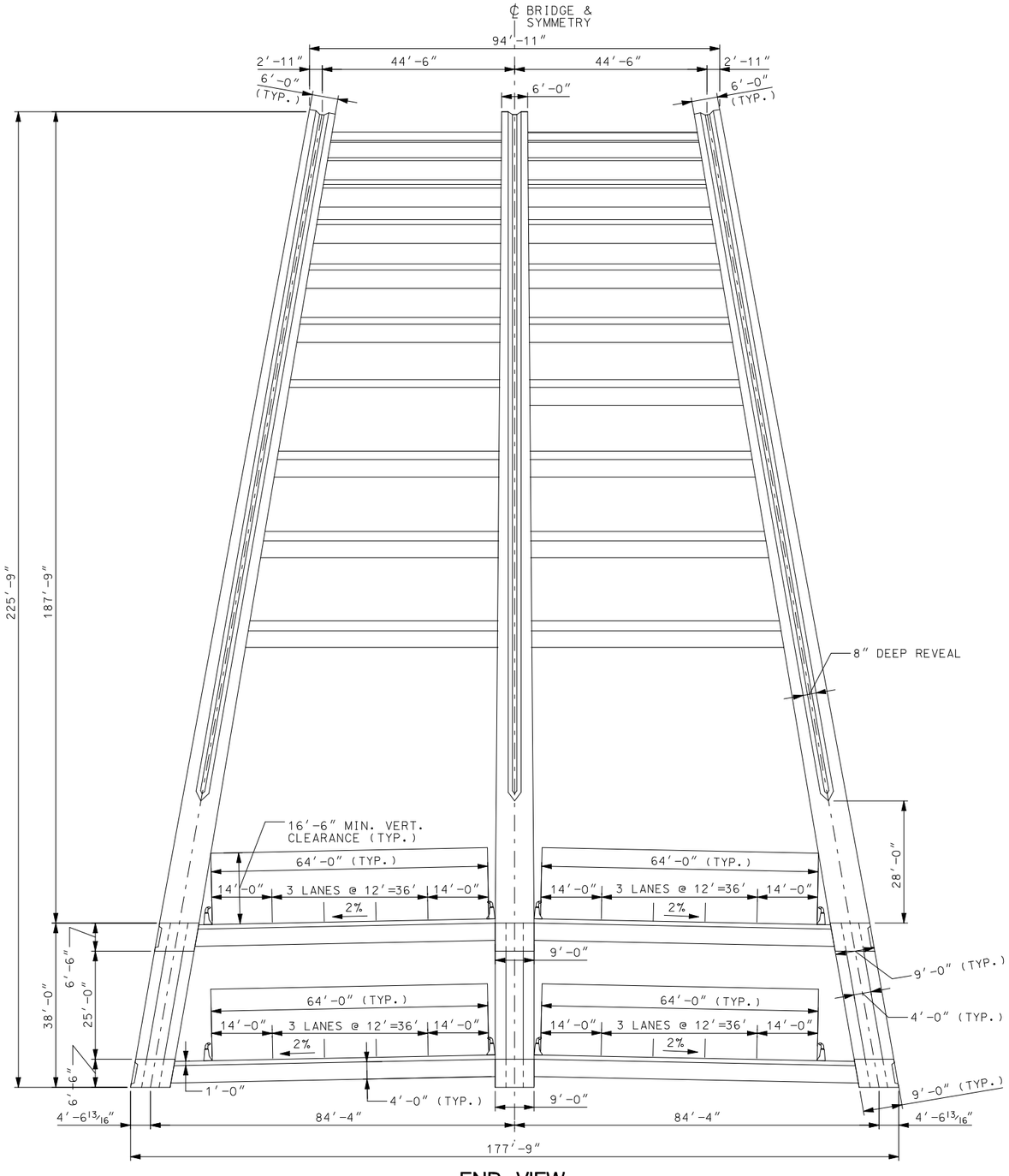
LOWER DECK FRAMING PLAN

U.S. Department of Transportation
Federal Highway Administration

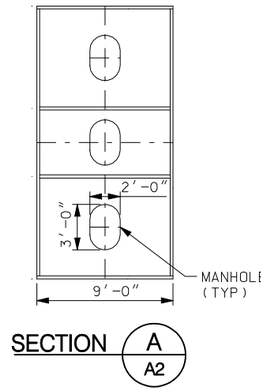
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
FRAMING PLANS

EXHIBIT
A3

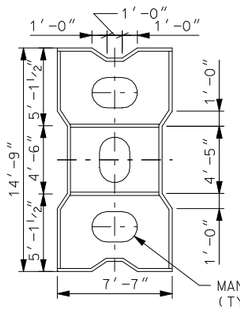
Prepared by:
PARSONS BRINCKERHOFF



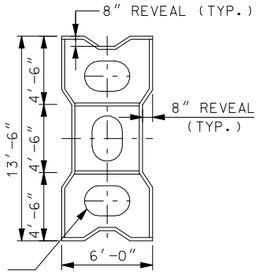
END VIEW



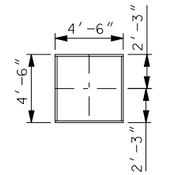
SECTION A A2



SECTION B A2

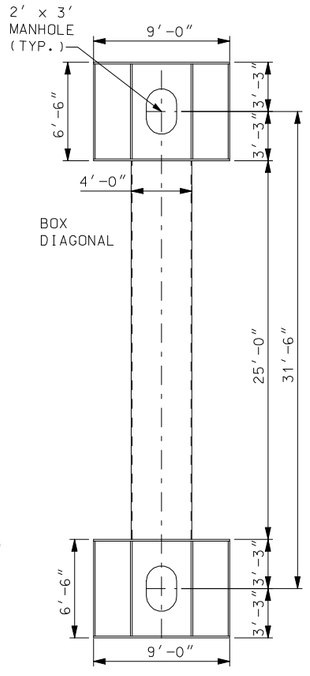


SECTION C A2

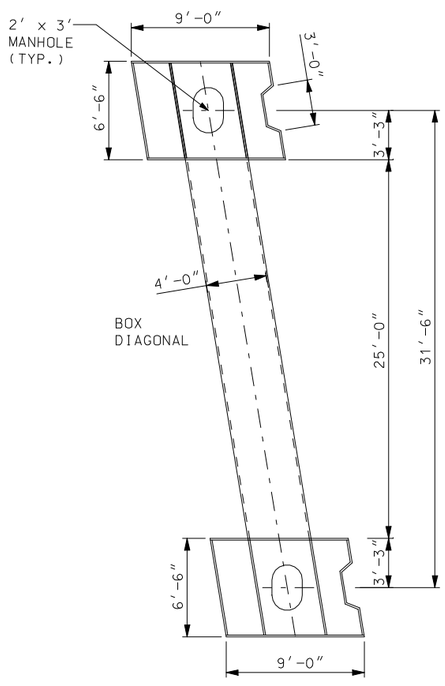


SECTION D A2

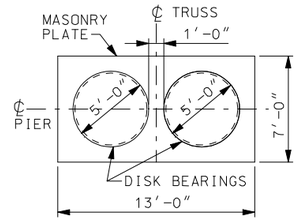
ARCH RIB SECTIONS



CENTER TRUSS CROSS SECTION

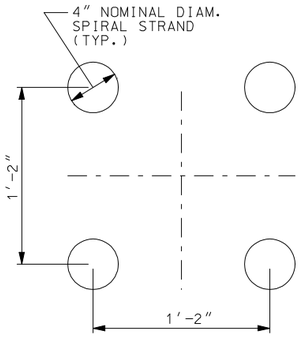


EXTERIOR TRUSS CROSS SECTION



BEARING DETAIL

SCALE: 1″=10′



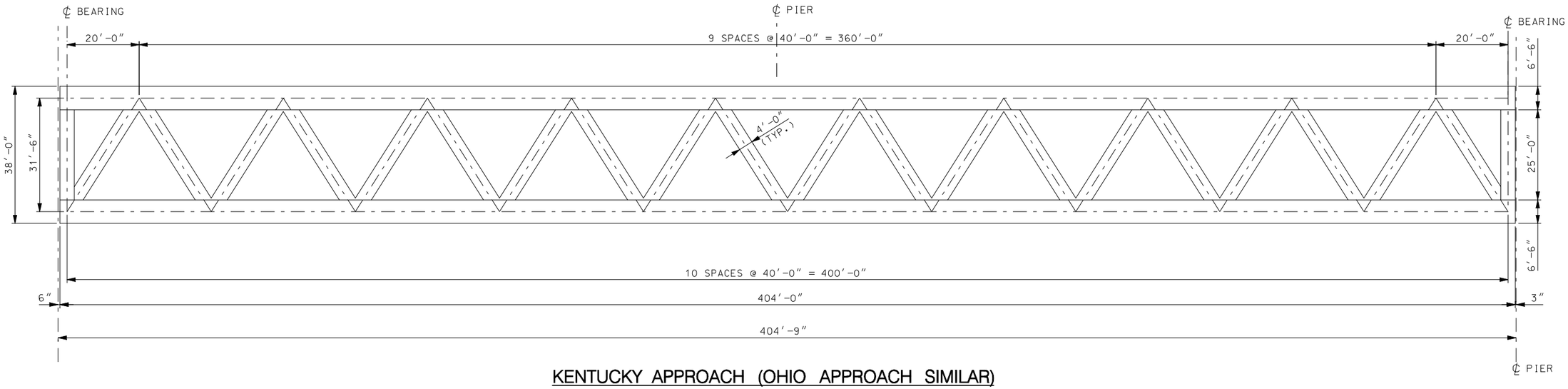
SECTION E A2

U.S. Department of Transportation
Federal Highway Administration

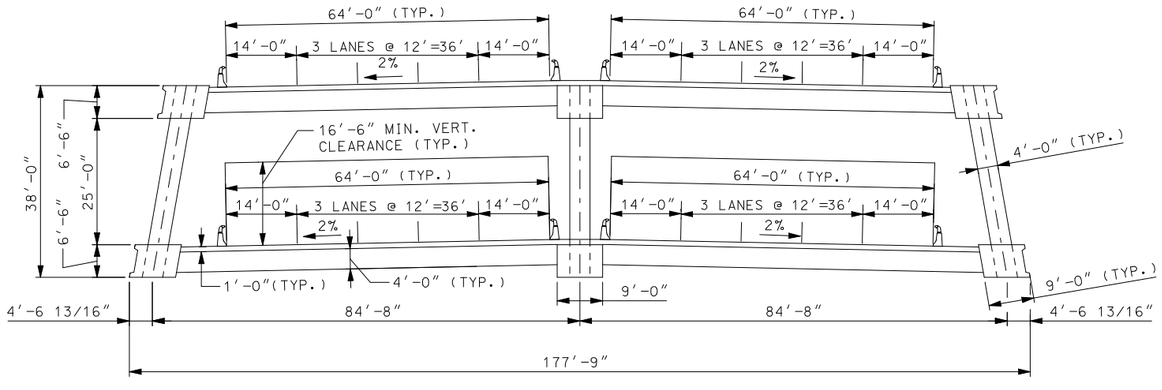
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
TIED ARCH SUPERSTRUCTURE DETAILS

EXHIBIT
A4

Prepared by:
PARSONS BRINCKERHOFF



KENTUCKY APPROACH (OHIO APPROACH SIMILAR)



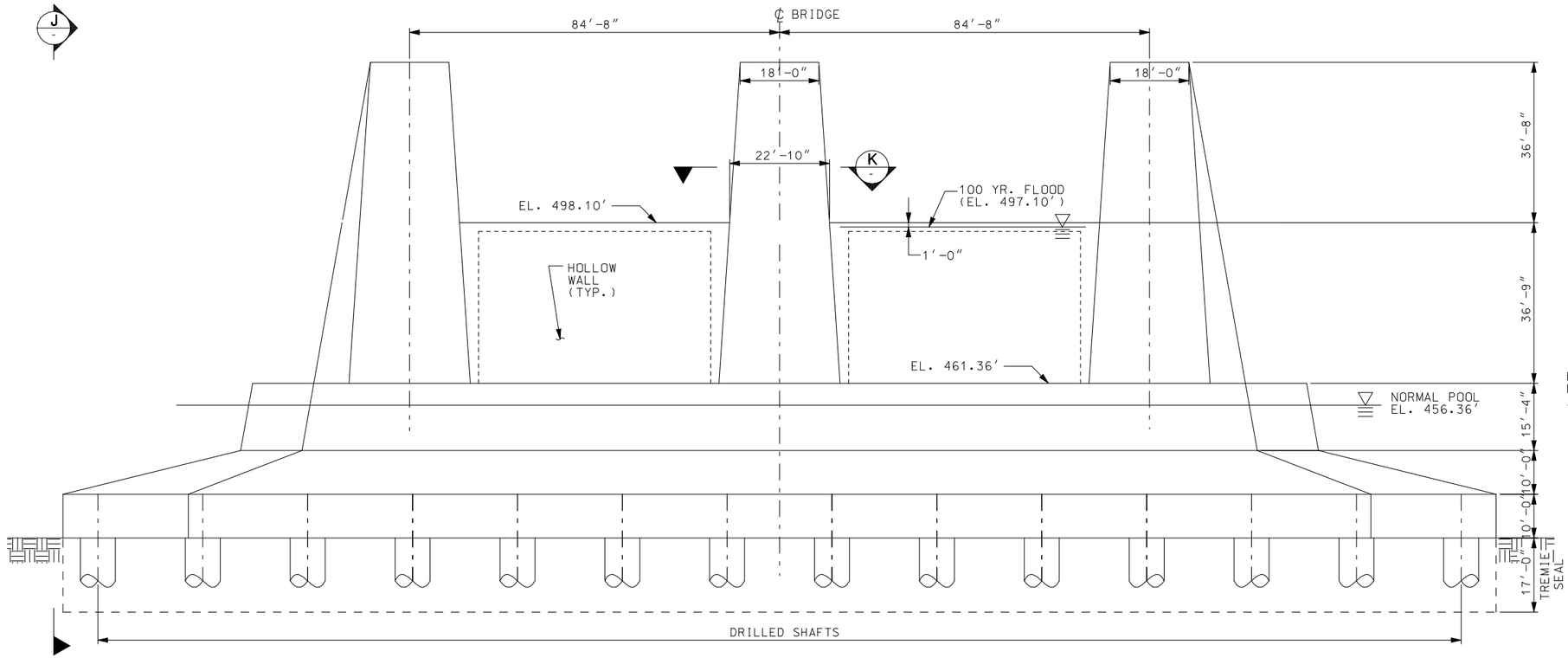
TYPICAL CROSS SECTION

U.S. Department of Transportation
Federal Highway Administration

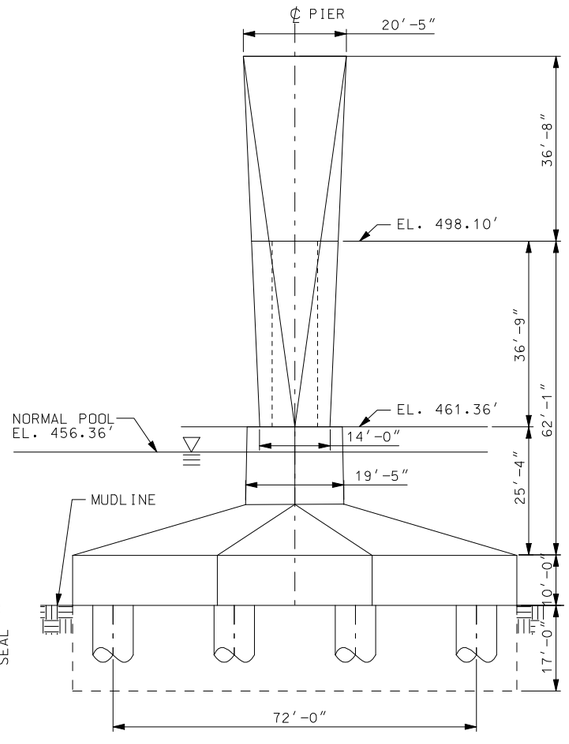
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
APPROACH SUPERSTRUCTURE DETAILS

EXHIBIT
A5

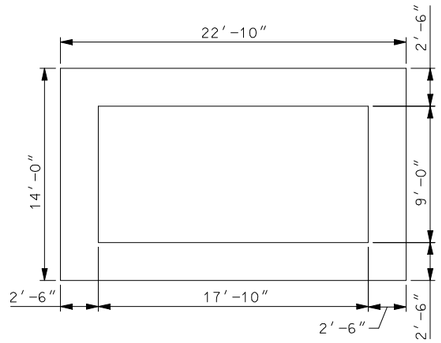
Prepared by:
PARSONS BRINCKERHOFF



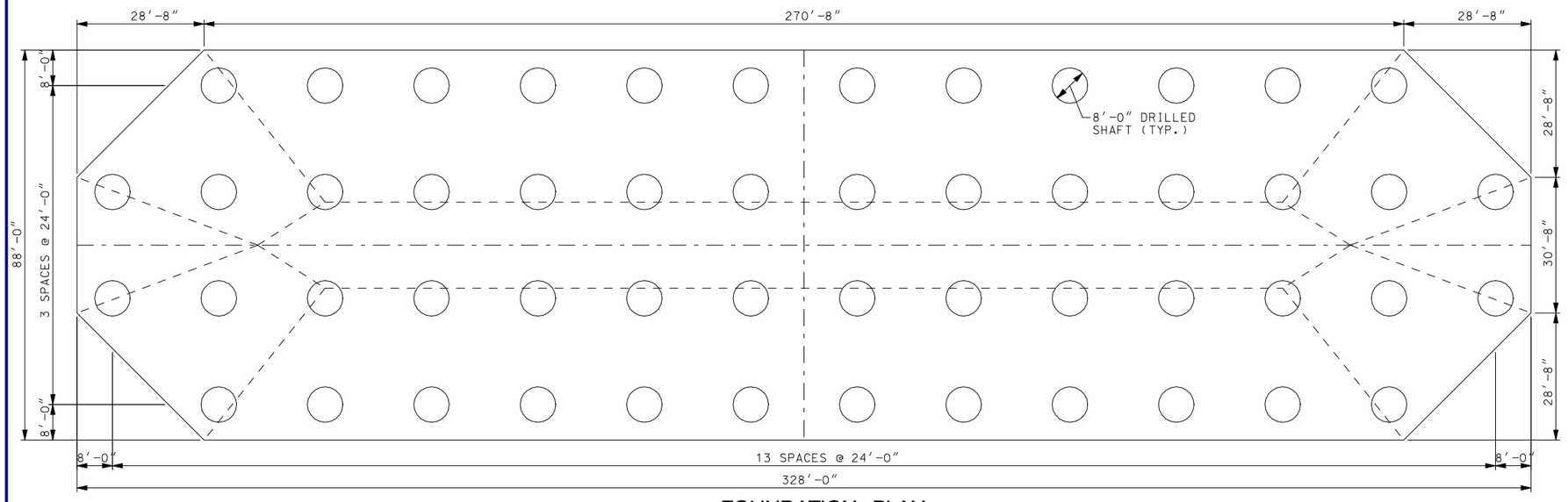
TYPICAL MAIN SPAN PIER



SECTION J



SECTION K



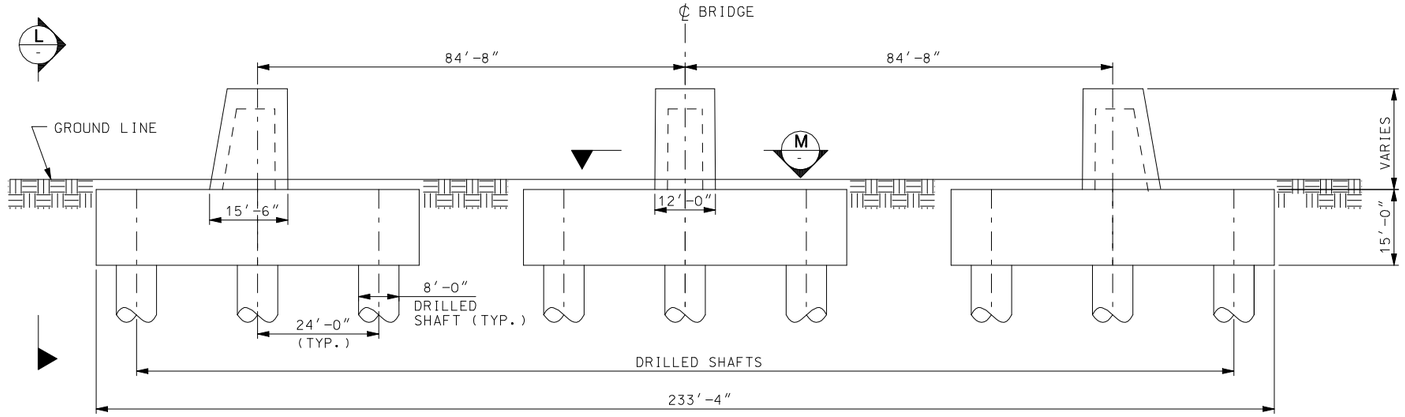
FOUNDATION PLAN

U.S. Department of Transportation
Federal Highway Administration

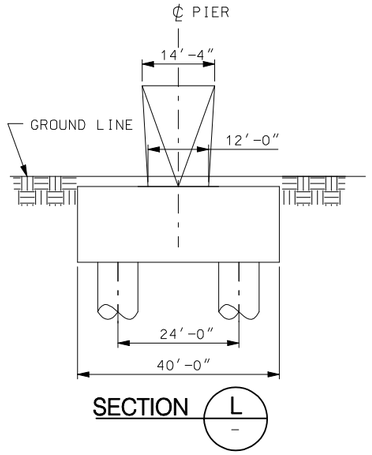
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
TIED ARCH PIER & FOUNDATION DETAILS

EXHIBIT
A6

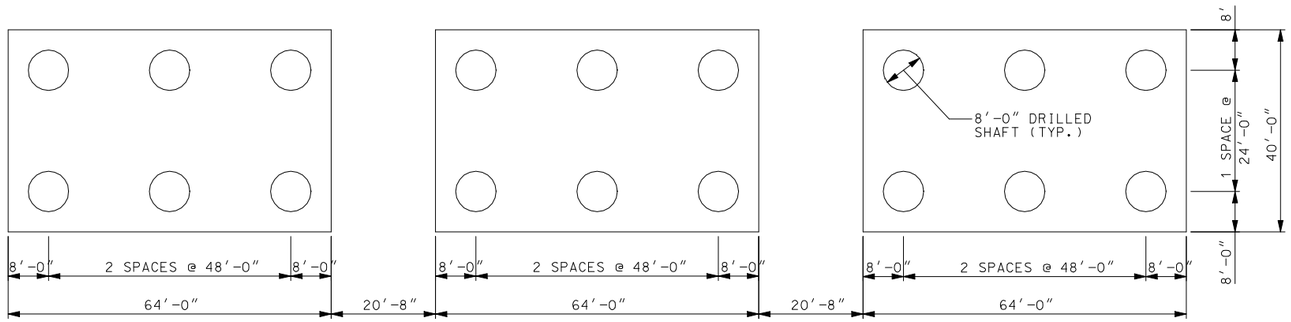
Prepared by:
PARSONS BRINCKERHOFF



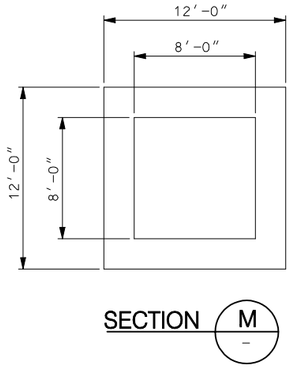
APPROACH LAND PIER



SECTION L



FOUNDATION PLAN



SECTION M

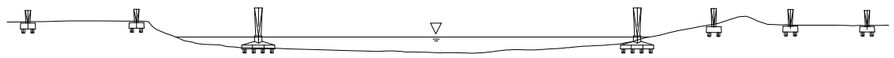
U.S. Department of Transportation
Federal Highway Administration

BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
APPROACH LAND PIER & DETAILS

EXHIBIT
A7

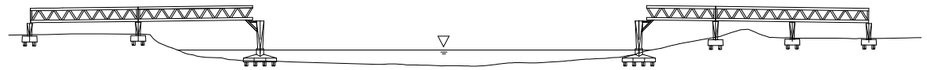
Prepared by:
PARSONS BRINCKERHOFF

STAGE 1

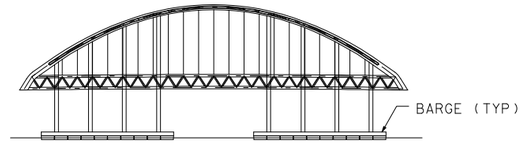


* CONSTRUCT PIERS

STAGE 2

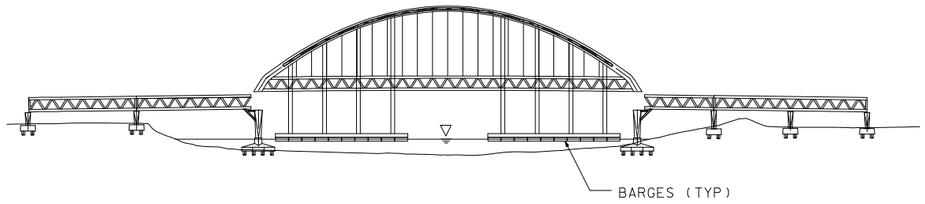


* CONSTRUCT APPROACH TRUSSES USING TEMPORARY SUPPORTS WHERE NECESSARY



* CONSTRUCT MAIN SPAN ARCH OFF SITE ON BARGES OR TEMPORARY TRESTLE

STAGE 3

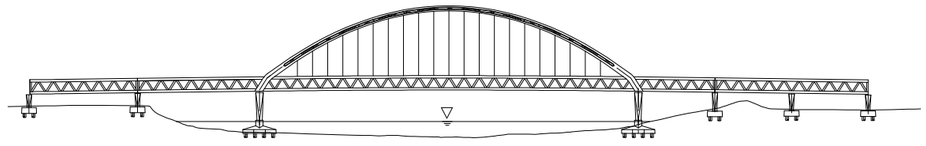


* TRANSPORT MAIN SPAN ARCH TO SITE BY BARGES
* LOWER MAIN SPAN ARCH ON TO MAIN PIERS

STAGE 4

* COMPLETE CONNECTIONS BETWEEN APPROACH TRUSSES AND MAIN SPAN ARCH

STAGE 5



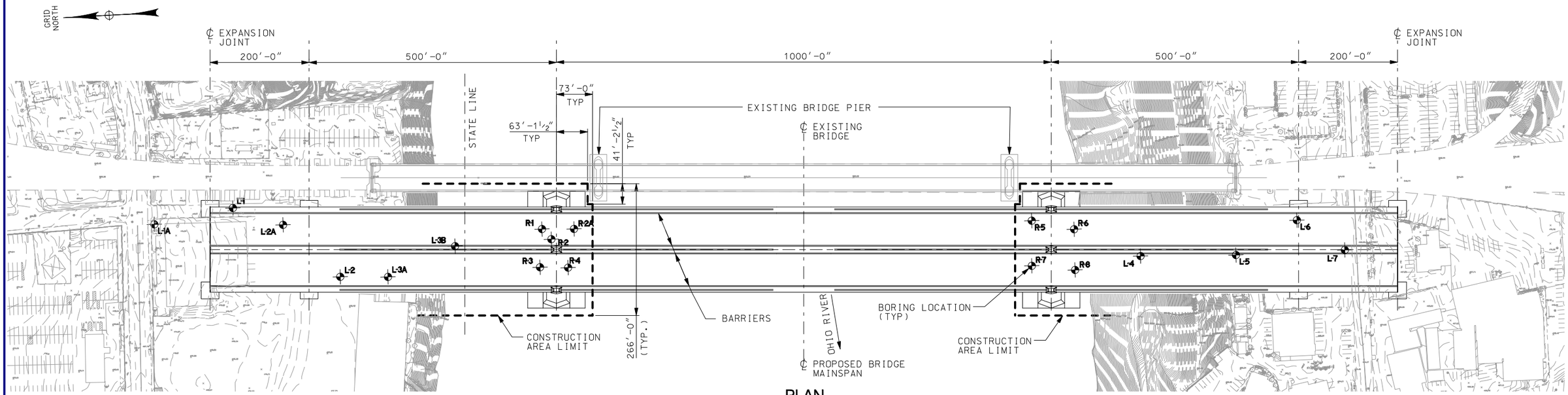
* PLACE CONCRETE DECK FOR MAIN SPAN ARCH AND APPROACH SPANS
* INSTALL BARRIERS AND PLACE DECK OVERLAY

U.S. Department of Transportation
Federal Highway Administration

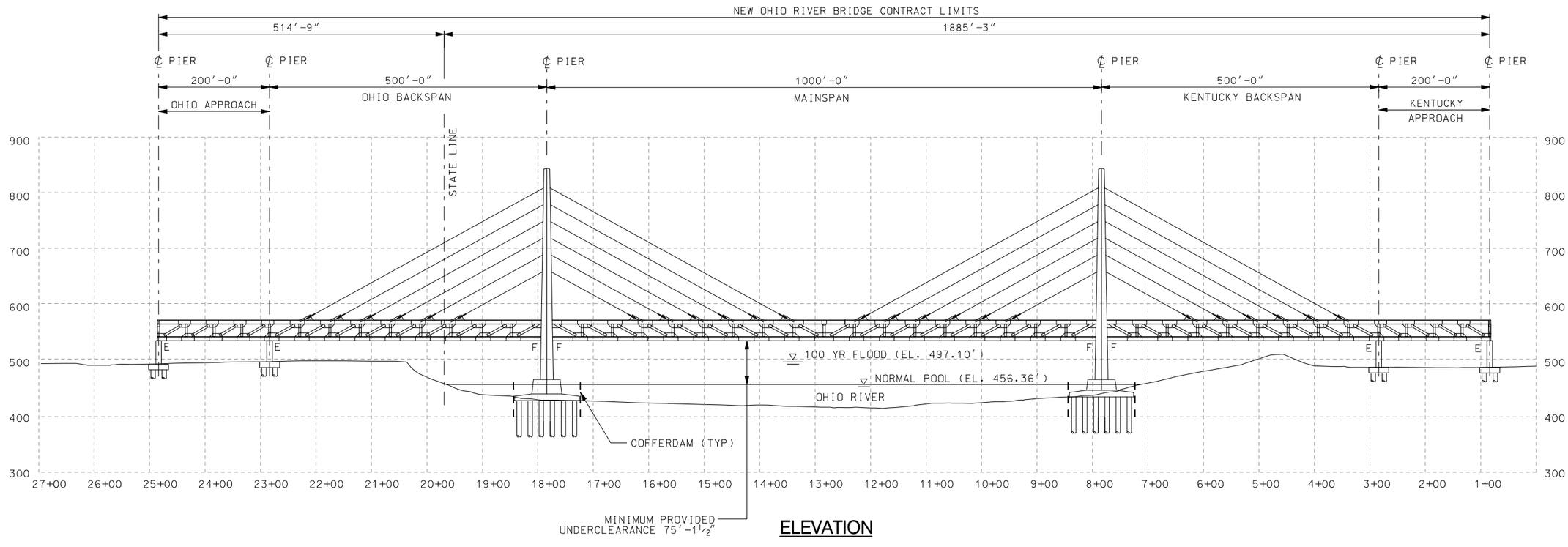
BRENT SPENCE BRIDGE
ALTERNATIVE 1: TIED ARCH
CONSTRUCTION SEQUENCE

EXHIBIT
A8

Prepared by:
PARSONS BRINCKERHOFF



PLAN



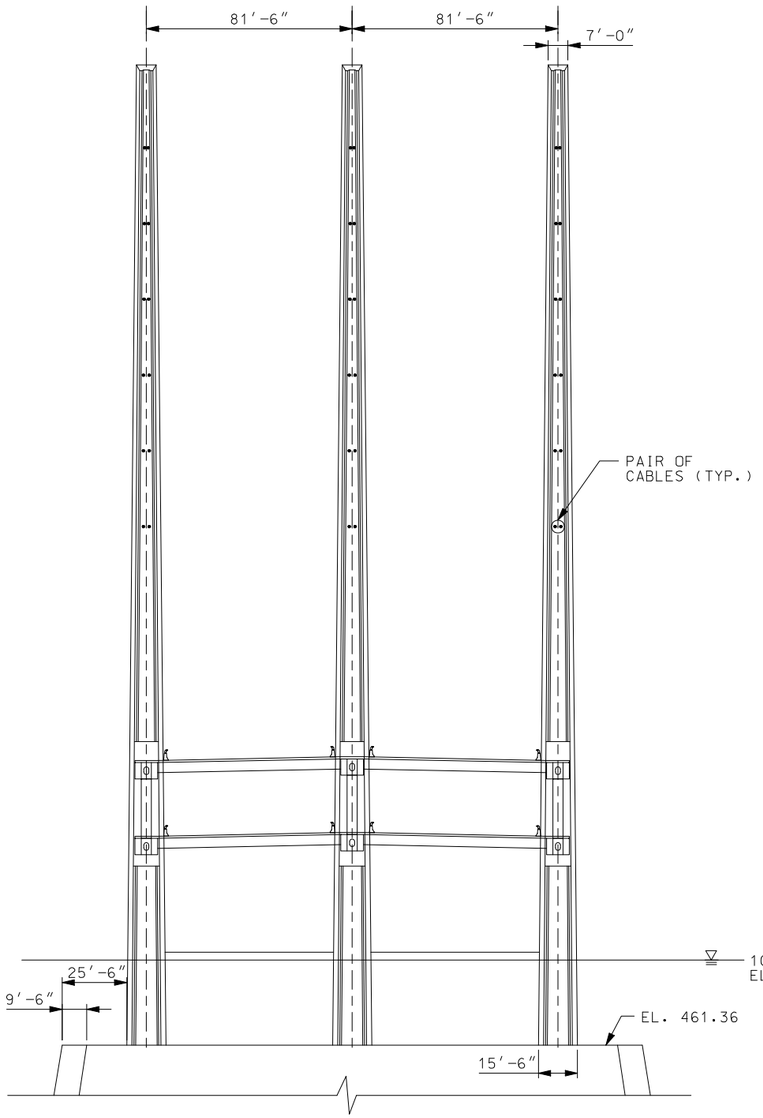
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

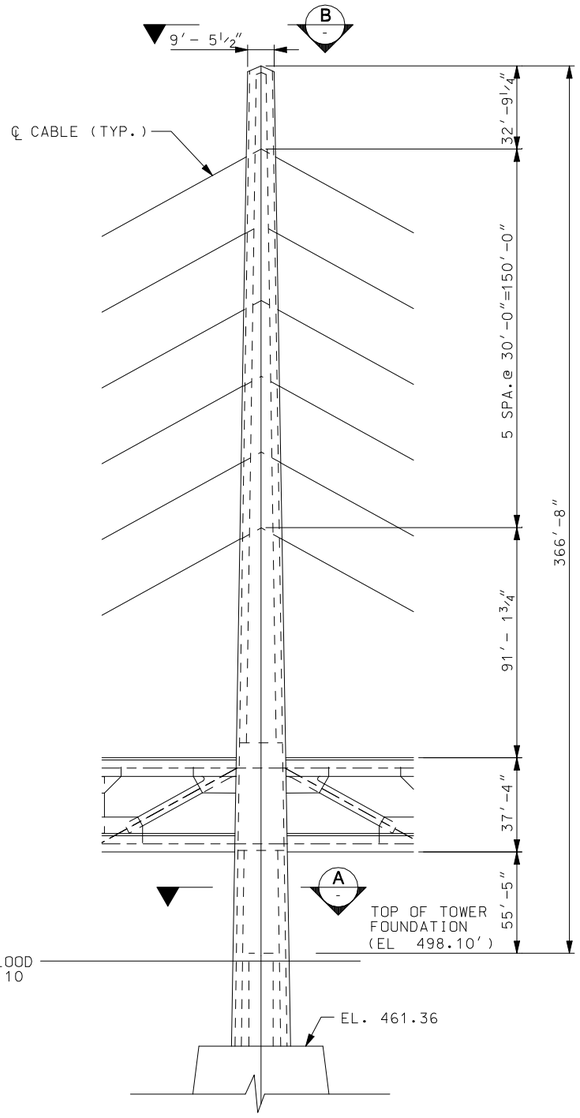
BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED
GENERAL PLAN AND ELEVATION

EXHIBIT
B1

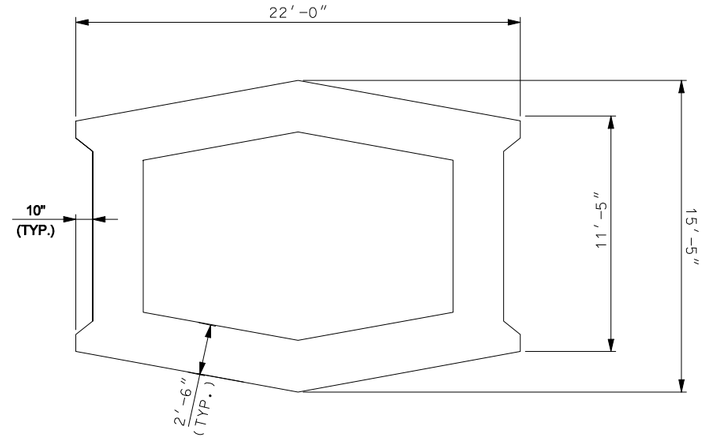
Prepared by:
PARSONS BRINCKERHOFF



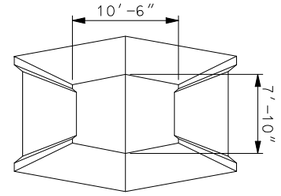
TOWER ELEVATION



TOWER SIDE VIEW



SECTION A



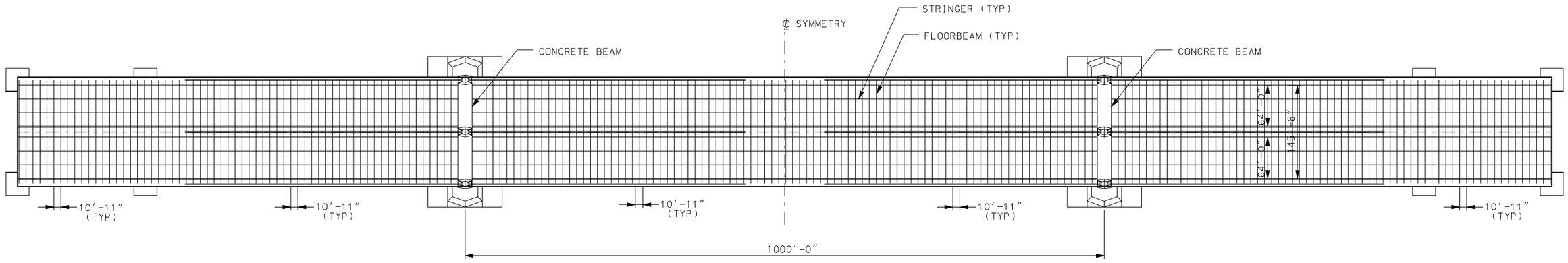
VIEW B

U.S. Department of Transportation
Federal Highway Administration

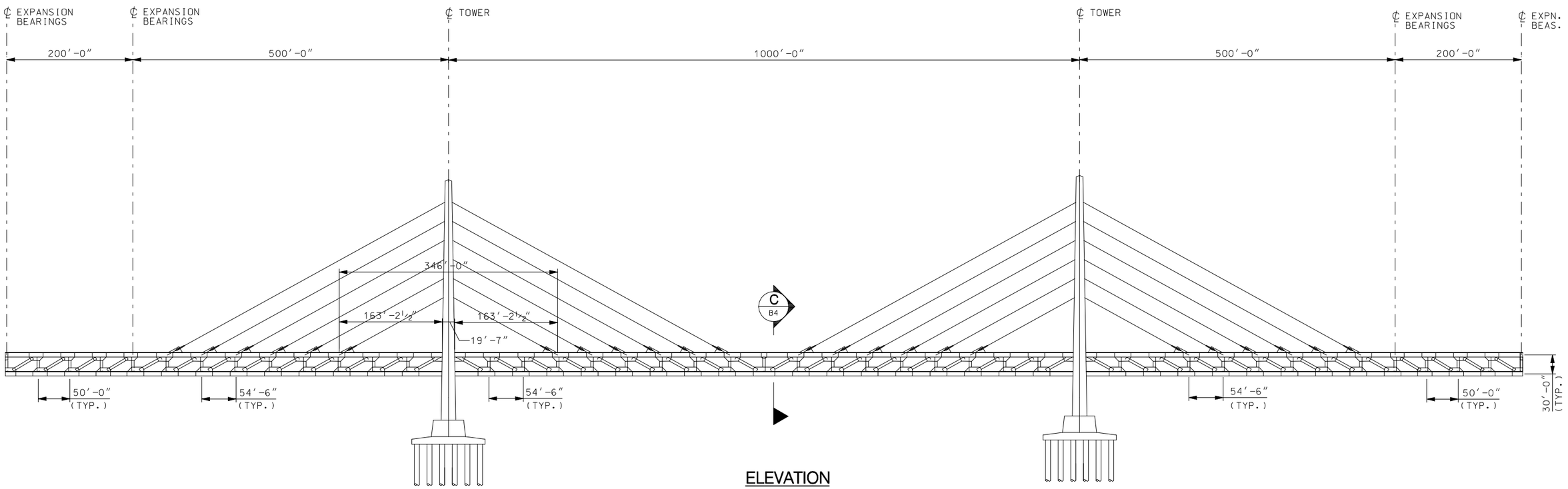
BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED
TOWER ELEVATION AND SECTIONS

EXHIBIT
B2

Prepared by:
PARSONS BRINCKERHOFF



FRAMING PLAN



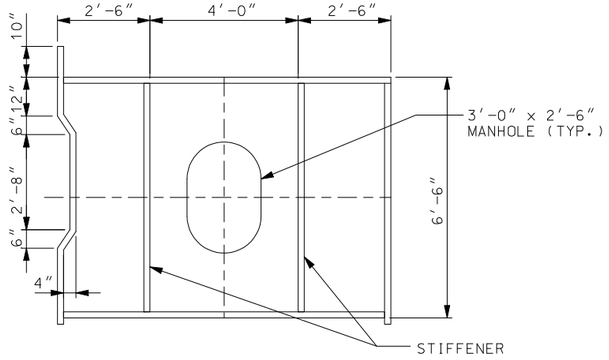
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

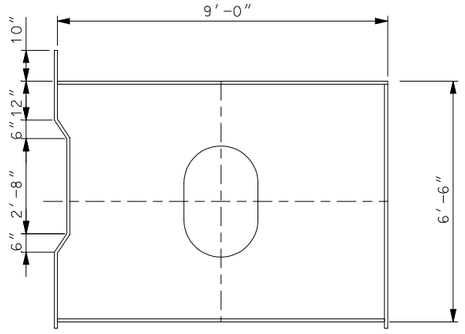
BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED SUPERSTRUCTURE FRAMING PLAN & ELEVATION

EXHIBIT
B3

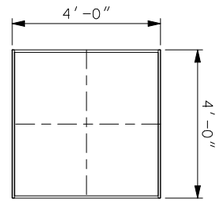
Prepared by:
PARSONS BRINCKERHOFF



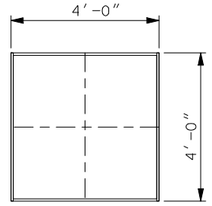
CHORD TYPICAL SECTION
(TOWER LOCATION)



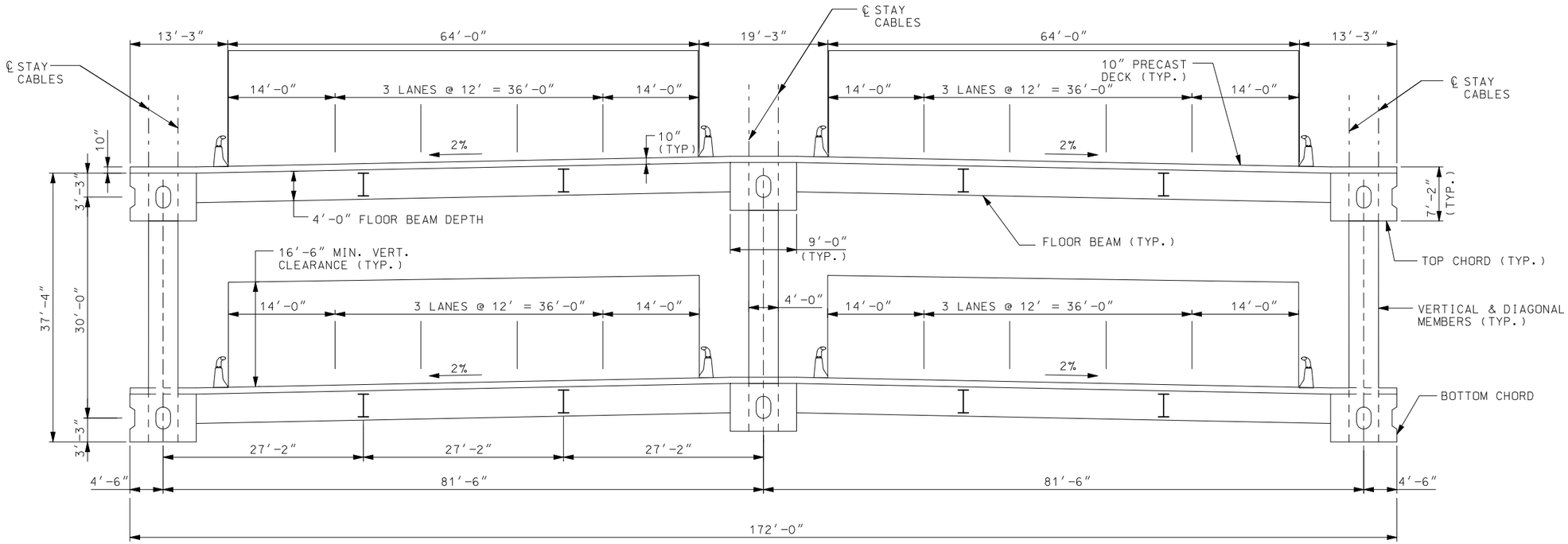
CHORD TYPICAL SECTION
(GENERAL LOCATION)



VERTICAL TYPICAL SECTION



DIAGONAL TYPICAL SECTION



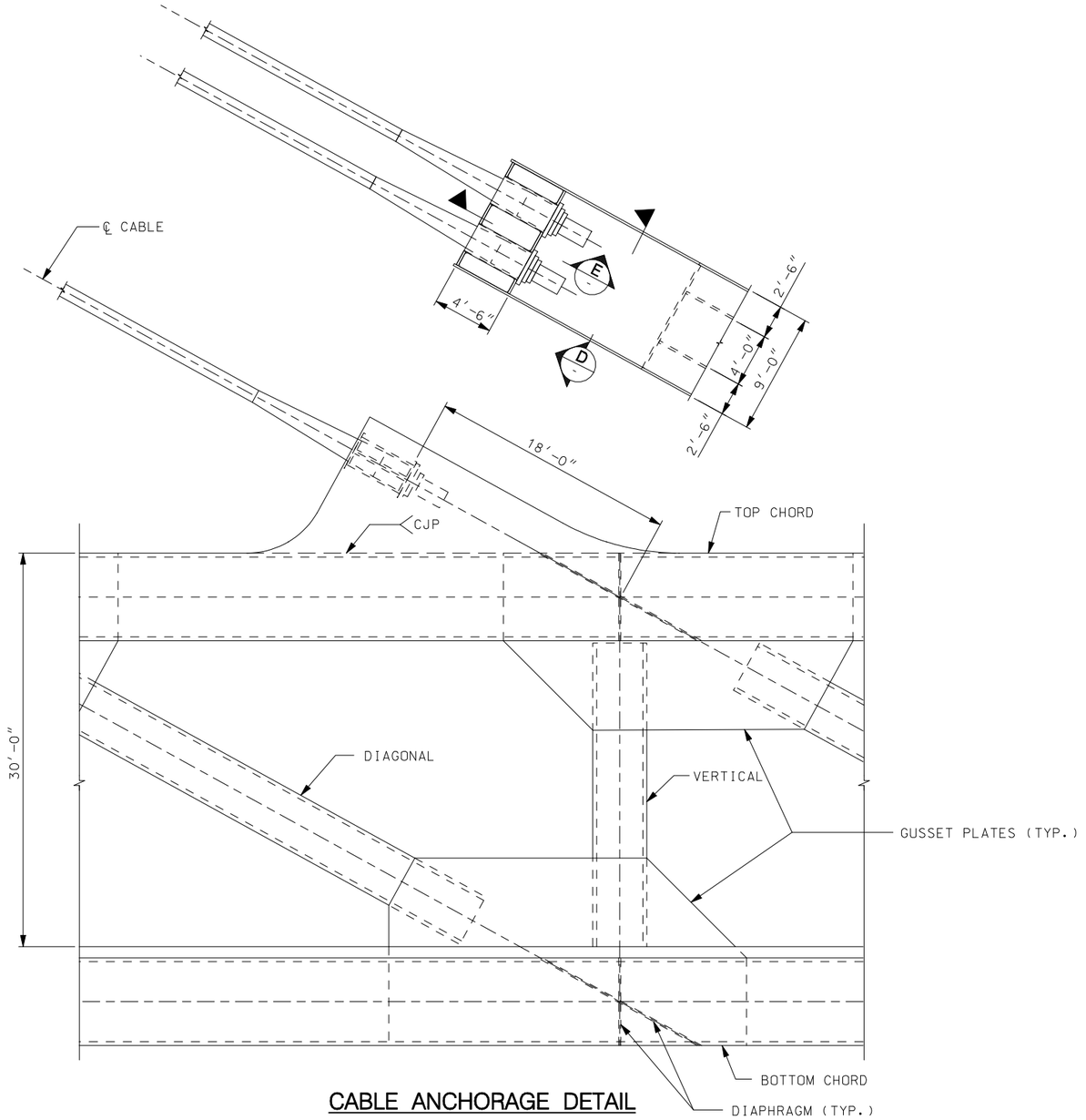
SECTION C
B3

U.S. Department of Transportation
Federal Highway Administration

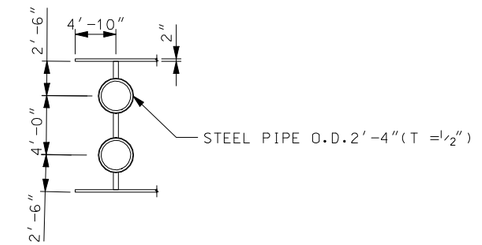
BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED SUPERSTRUCTURE TYPICAL SECTION

EXHIBIT
B4

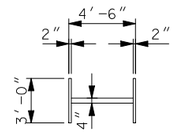
Prepared by:
PARSONS BRINCKERHOFF



CABLE ANCHORAGE DETAIL



VIEW D



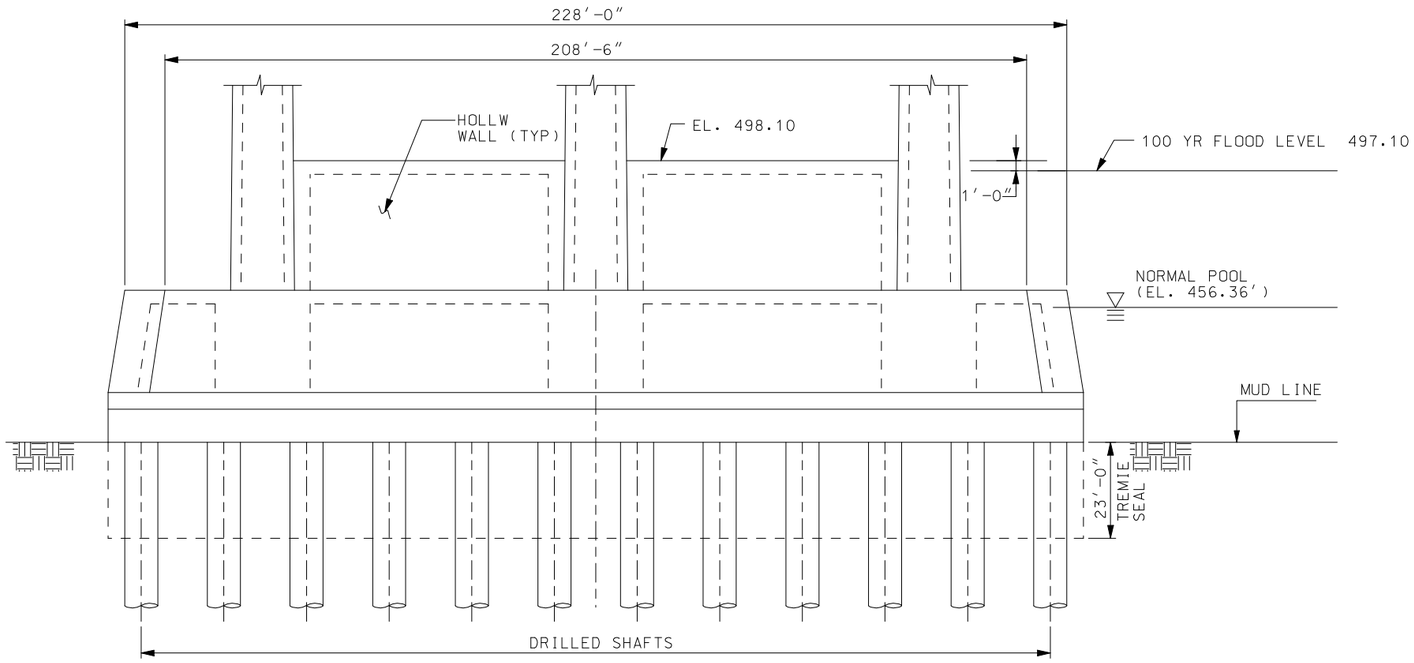
SECTION E

U.S. Department of Transportation
Federal Highway Administration

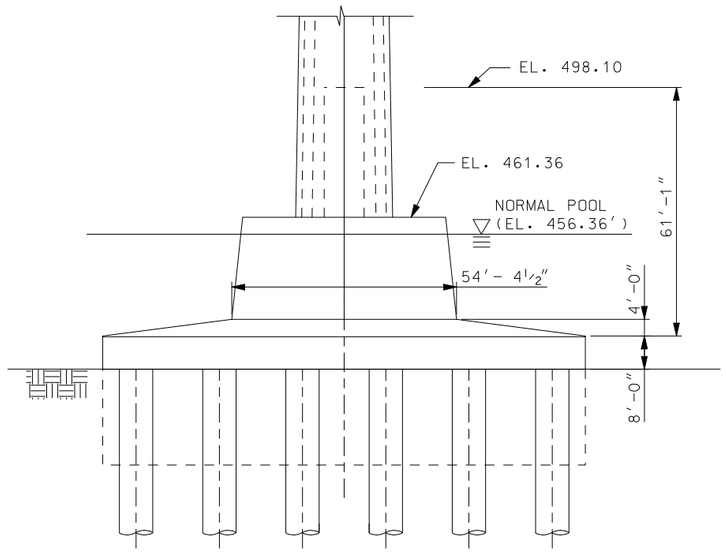
BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED TRUSS AND CABLE CONNECTION DETAILS

EXHIBIT
B5

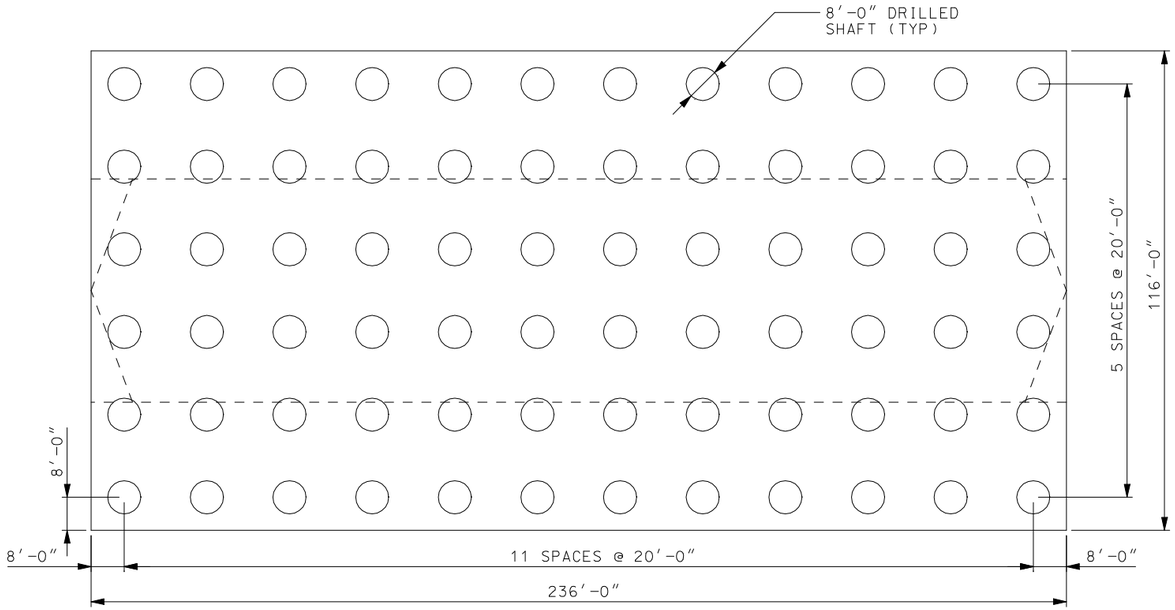
Prepared by:
PARSONS BRINCKERHOFF



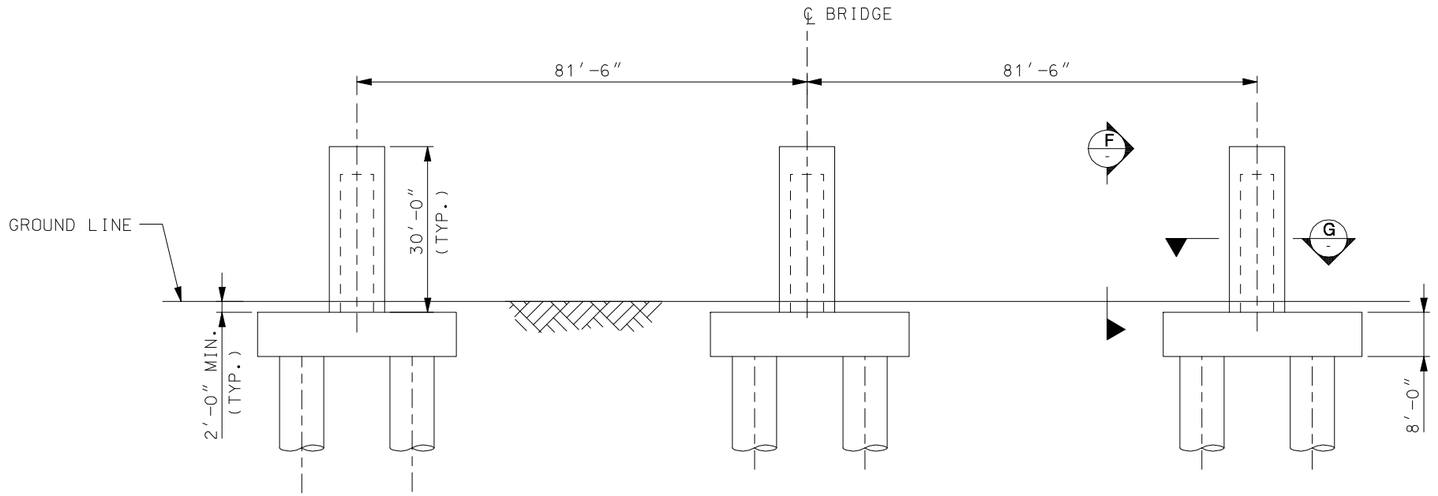
TOWER FOUNDATION ELEVATION



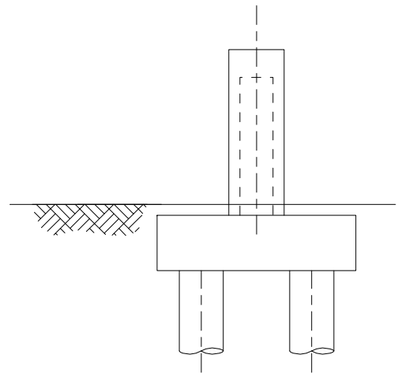
TOWER FOUNDATION END VIEW



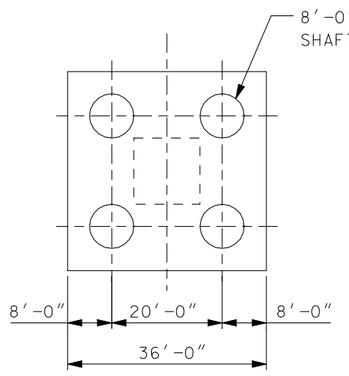
FOUNDATION PLAN

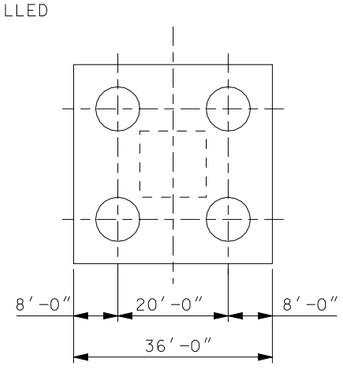


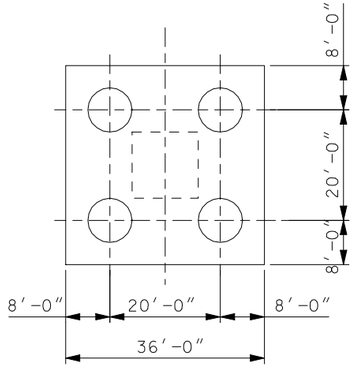
APPROACH LAND PIER



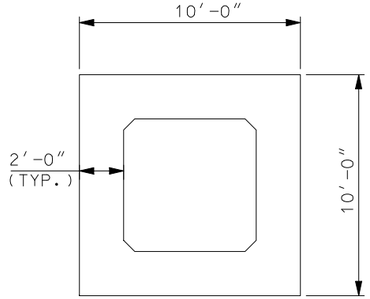
VIEW F







FOUNDATION PLAN



SECTION G

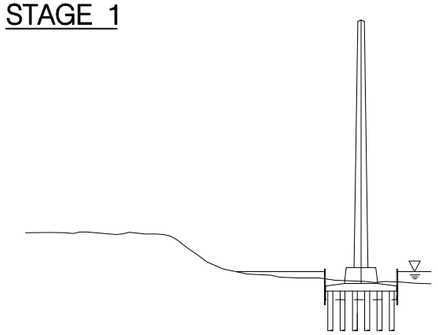
U.S. Department of Transportation
Federal Highway Administration

BRENT SPENCE BRIDGE
ALTERNATIVE 3: TWO TOWER CABLE-STAYED
APPROACH PIER AND FOUNDATION DETAILS

EXHIBIT
B7

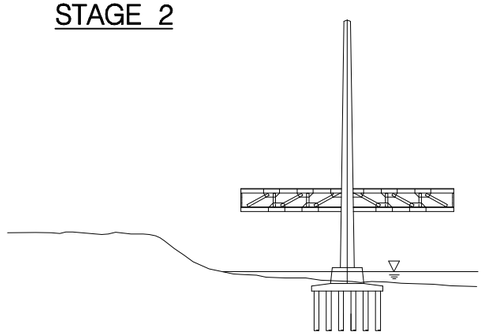
Prepared by:
PARSONS BRINCKERHOFF

STAGE 1



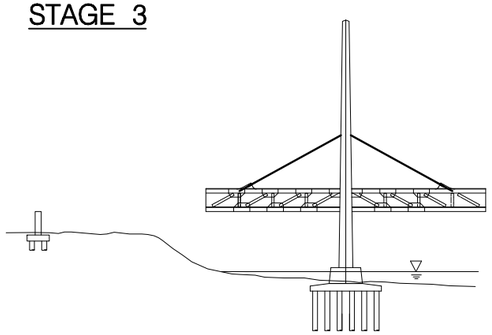
* CONSTRUCT TOWERS AND FOUNDATION.

STAGE 2



* ERECT SUPERSTRUCTURE SEGMENTS BY BALANCED CANTILEVER METHOD.

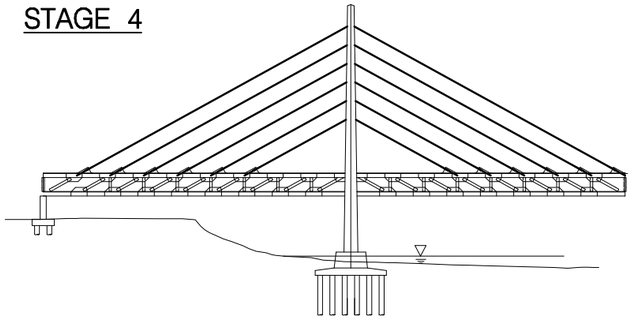
STAGE 3



* ERECT SUPERSTRUCTURE SEGMENTS AND CABLES BY BALANCED CANTILEVER METHOD.

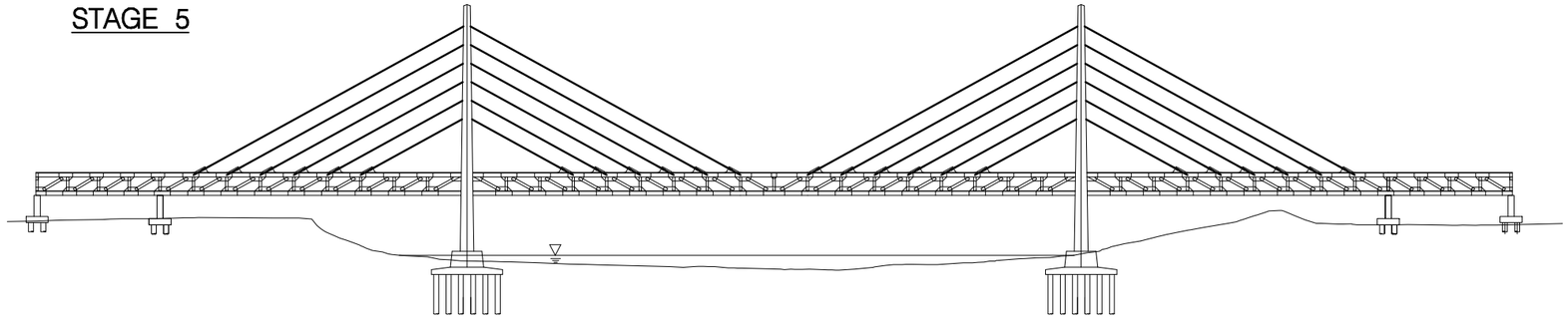
* CONSTRUCT ANCHOR PIER AND FOUNDATION.

STAGE 4



* CONTINUE ERECTING SUPERSTRUCTURE SEGMENTS AND MAKE CLOSURE AT ANCHOR PIER.

STAGE 5

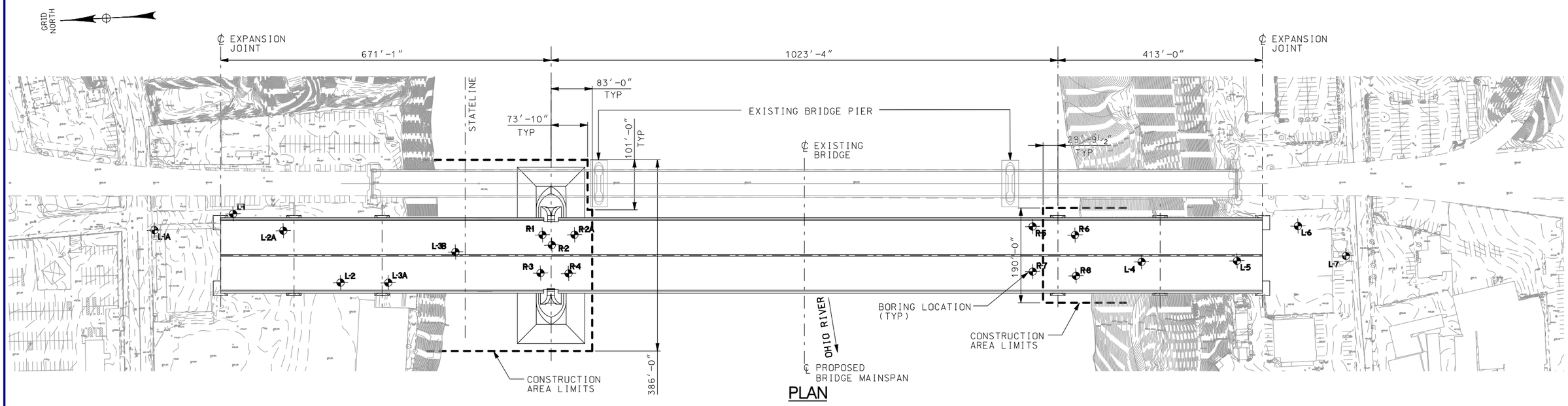


* COMPLETE ERECTING SUPERSTRUCTURE SEGMENTS IN MAIN SPAN AND MAKE FINAL CLOSURE.

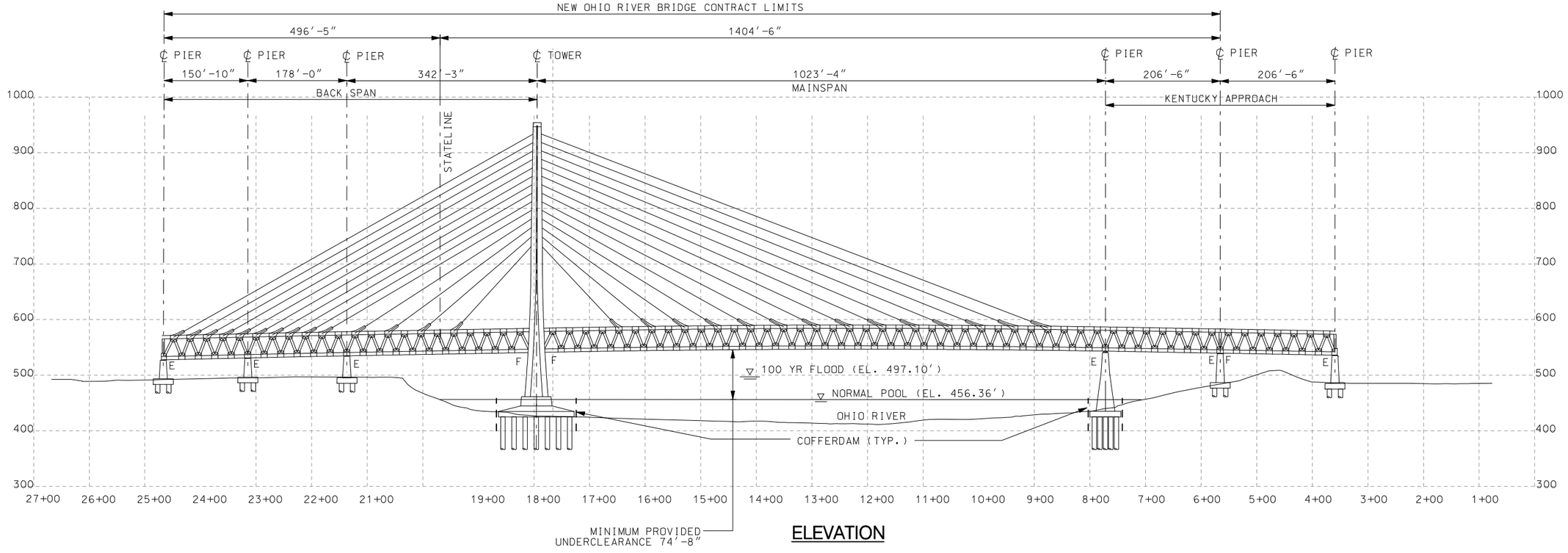
* ERECT THE APPROACH SUPERSTRUCTURE SPANS.

* INSTALL BARRIERS AND PLACE DECK OVERLAY.

NOTE: IN STAGES 1–4 BOTH TOWERS AND THEIR ASSOCIATED SUPERSTRUCTURE WILL BE CONSTRUCTED SIMULTANEOUSLY.



PLAN



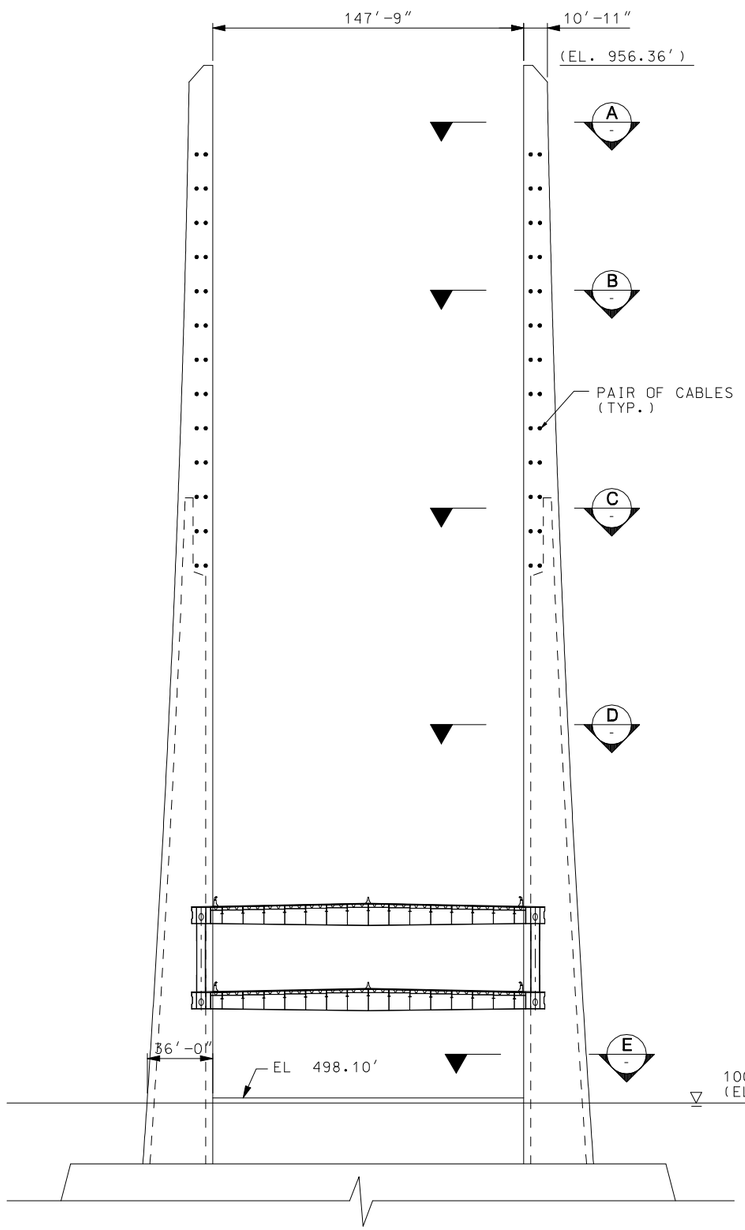
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

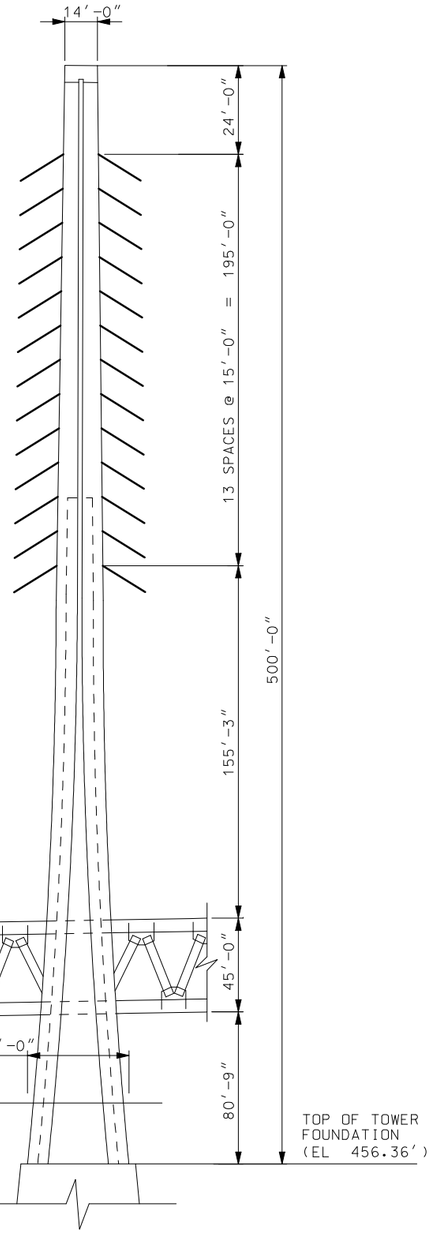
BRENT SPENCE BRIDGE
ALTERNATIVE 6: ONE TOWER CABLE-STAYED
GENERAL PLAN AND ELEVATION

EXHIBIT
C1

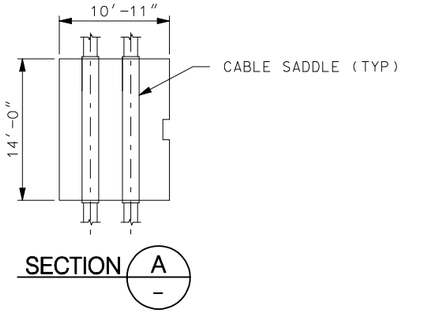
Prepared by:
PARSONS BRINCKERHOFF

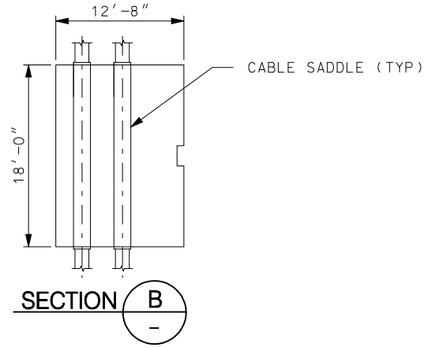


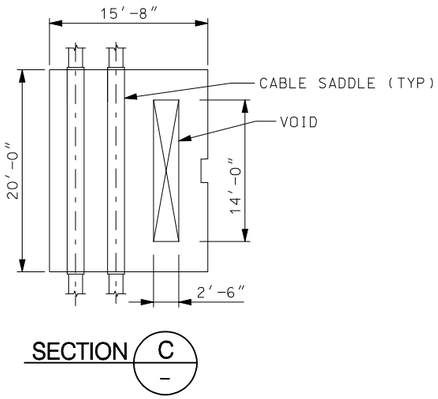
TOWER ELEVATION

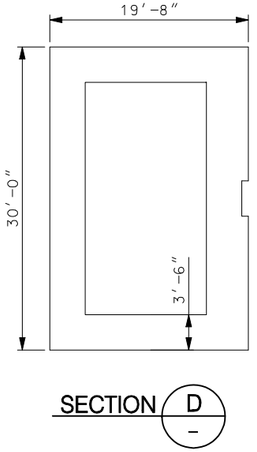


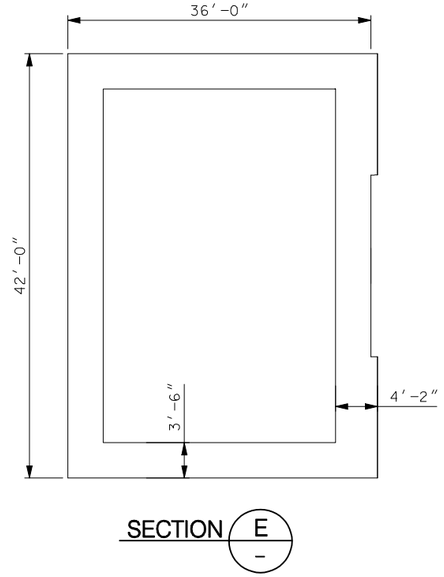
TOWER END VIEW









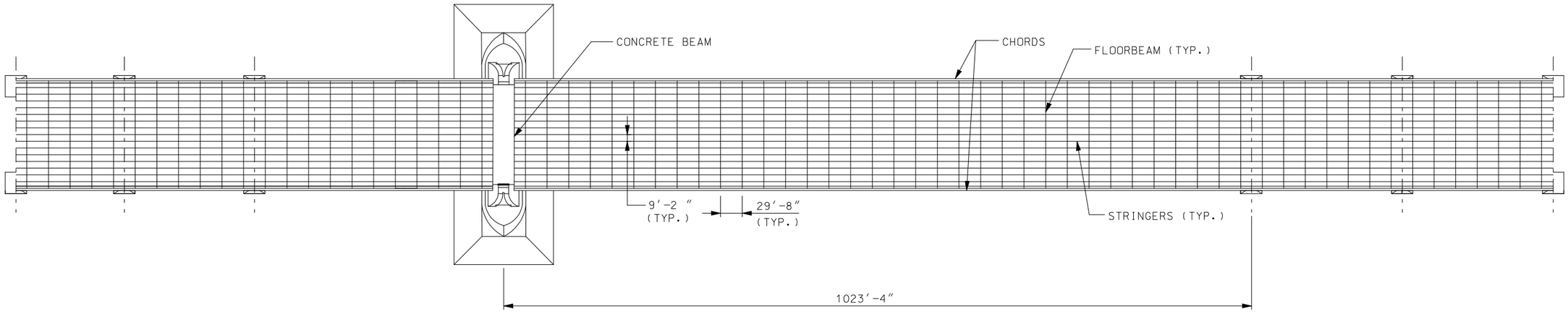


U.S. Department of Transportation
Federal Highway Administration

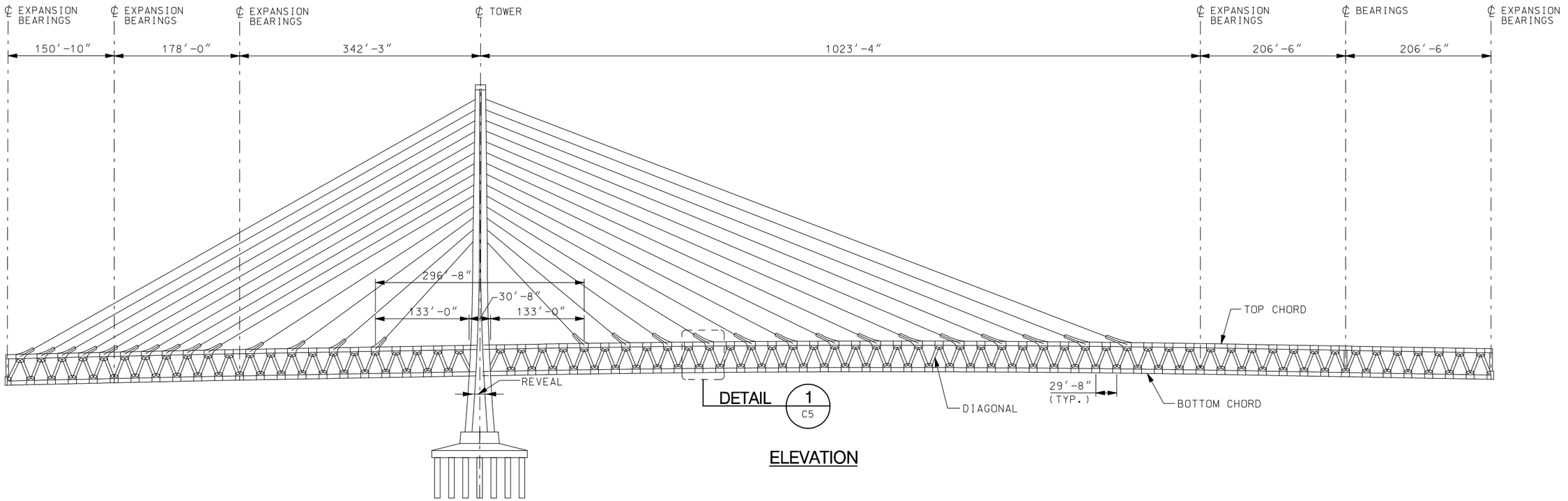
BRENT SPENCE BRIDGE
ALTERNATIVE 6: ONE TOWER CABLE-STAYED
TOWER ELEVATION AND SECTIONS

EXHIBIT
C2

Prepared by:
PARSONS BRINCKERHOFF



FRAMING PLAN



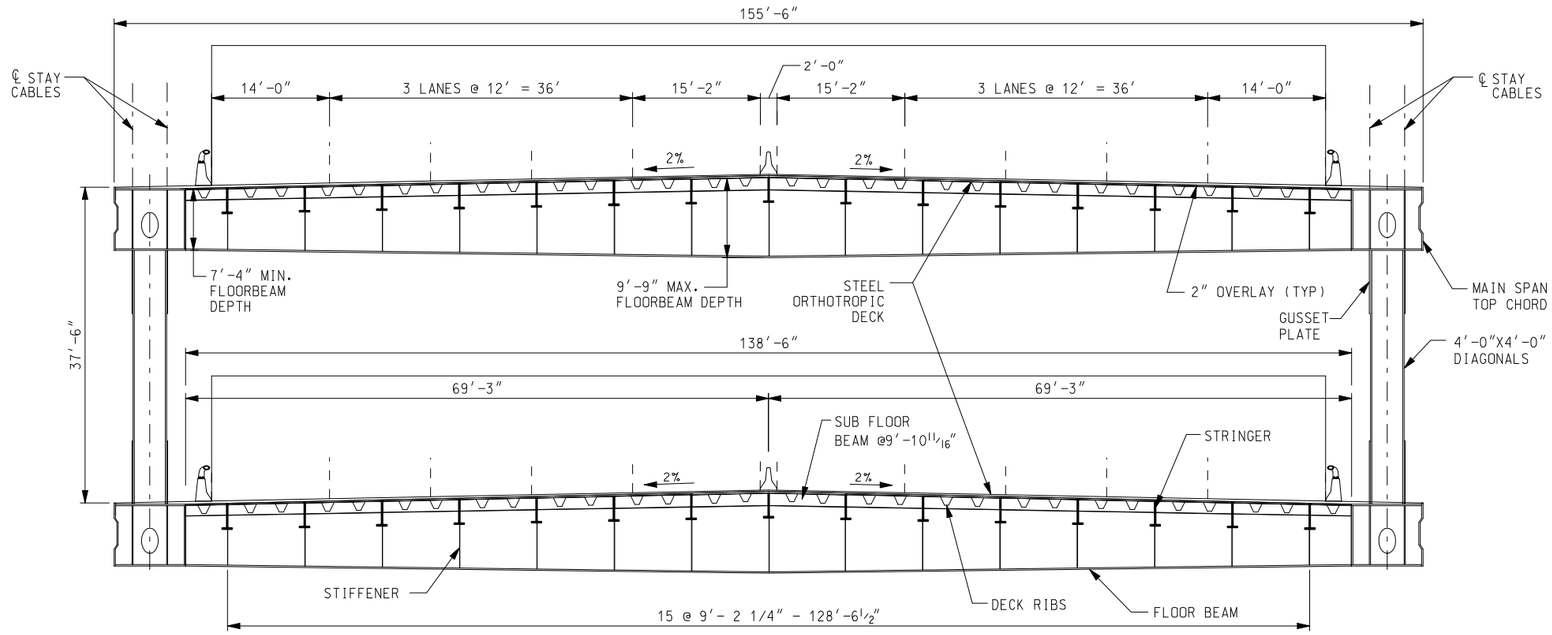
ELEVATION

U.S. Department of Transportation
Federal Highway Administration

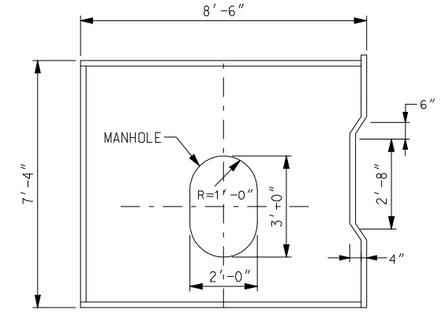
BRENT SPENCE BRIDGE
ALTERNATIVE 6: ONE TOWER CABLE-STAYED
SUPERSTRUCTURE FRAMING PLAN & ELEVATION

EXHIBIT
C3

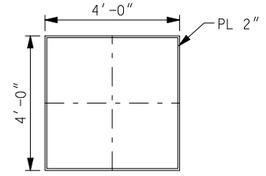
Prepared by:
PARSONS BRINCKERHOFF



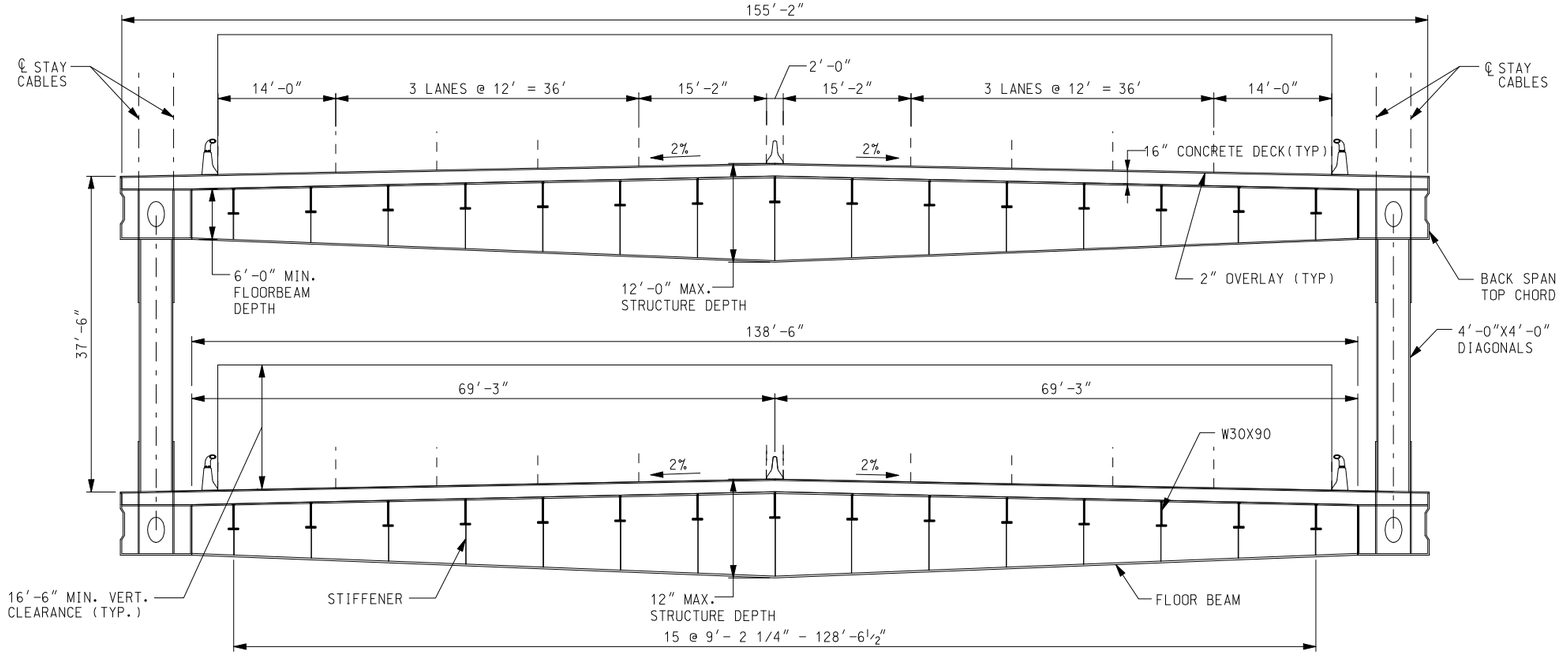
MAIN SPAN TYPICAL SECTION ORTHOTROPIC DECK



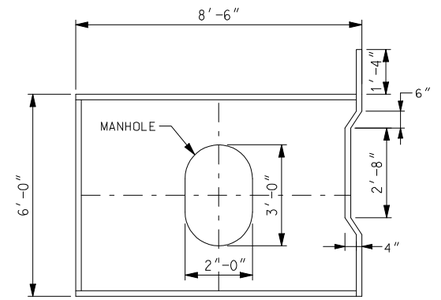
TYPICAL MAIN SPAN TRUSS CHORD SECTION



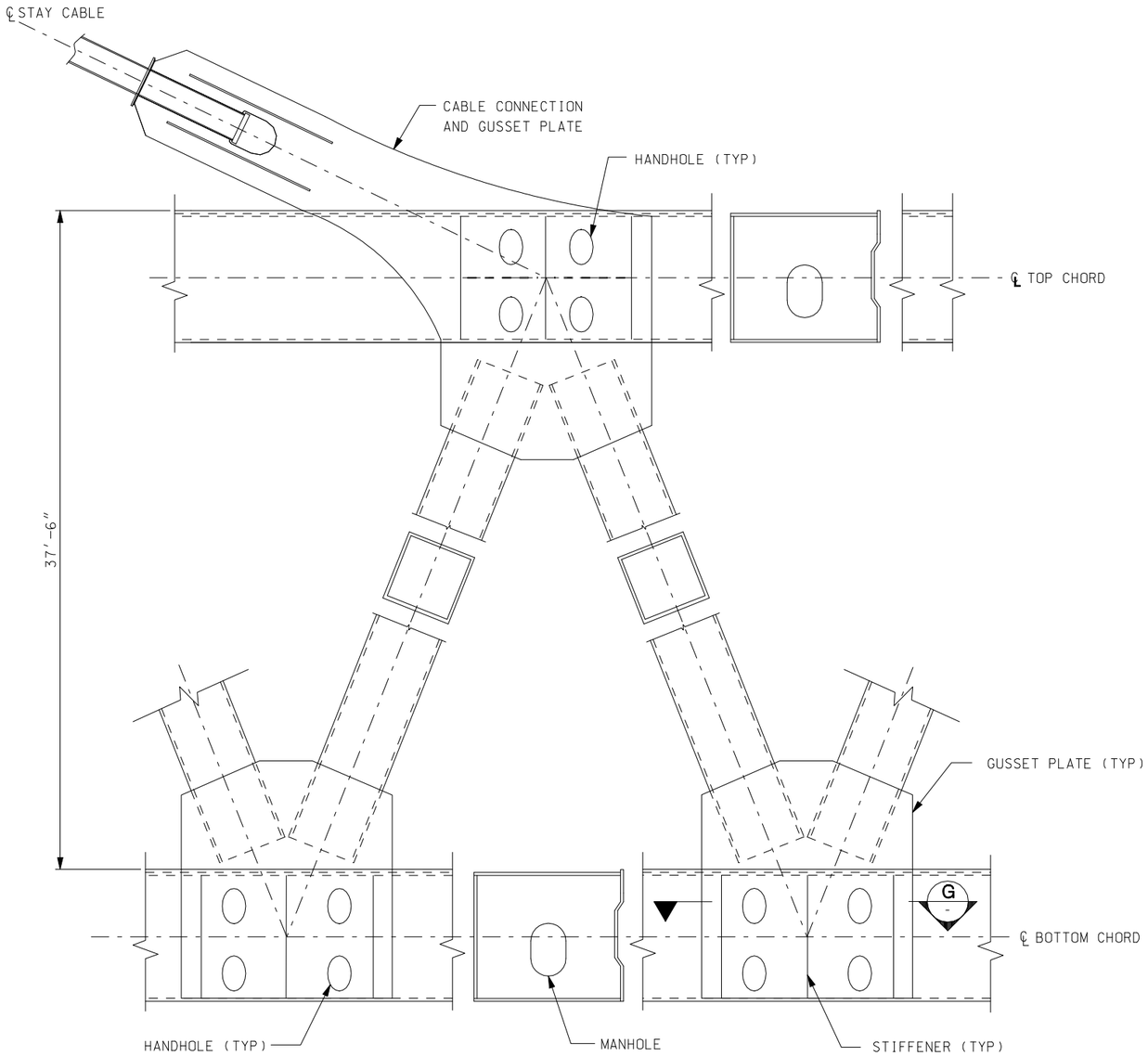
TYPICAL TRUSS DIAGONAL



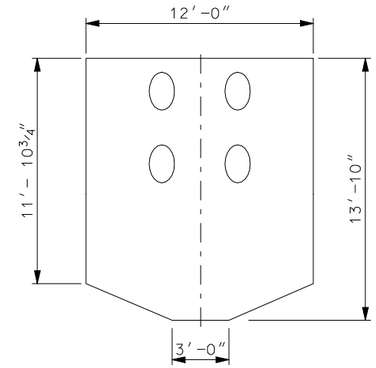
BACK SPAN TYPICAL SECTION 16" CONCRETE DECK



TYPICAL BACK SPAN TRUSS CHORD SECTION

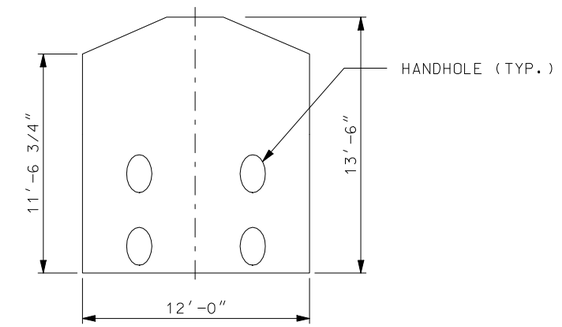


DETAIL 1 / C3

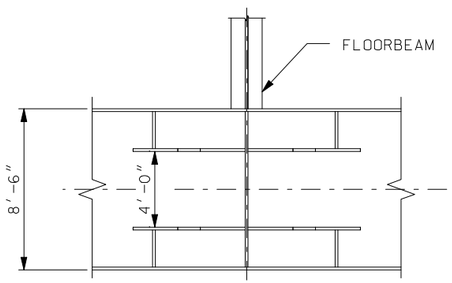


TOP DECK TYPICAL MAIN SPAN GUSSET PLATE

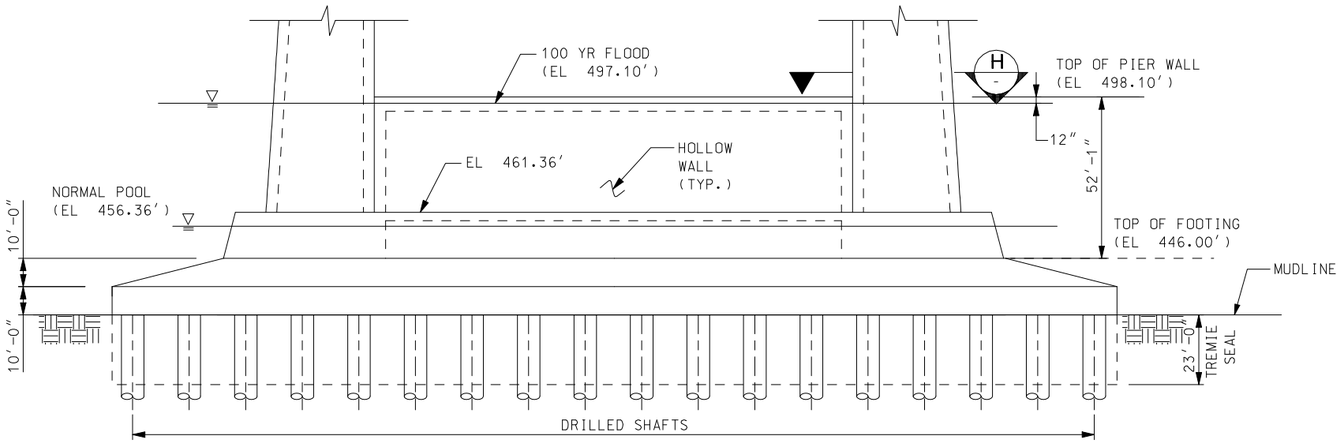
NOTE: GUSSET NOT SHOWN AT CABLE CONNECTION



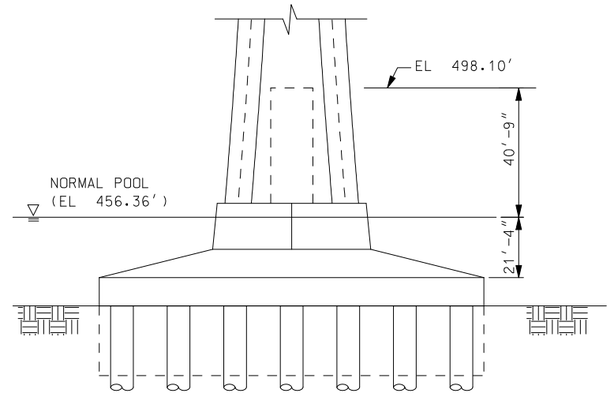
BOTTOM DECK MAIN SPAN GUSSET PLATE



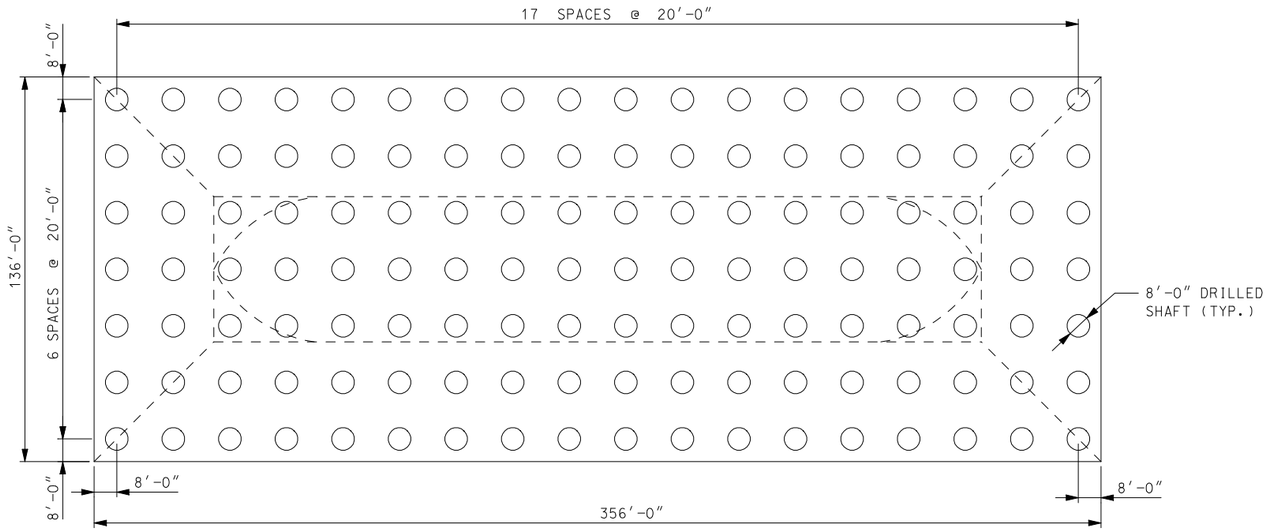
SECTION G / –



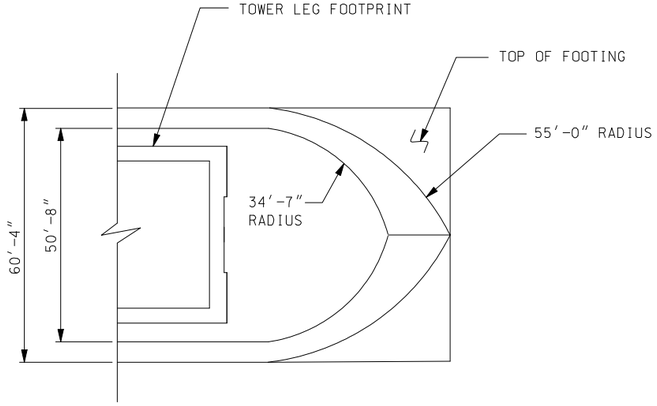
TOWER FOUNDATION ELEVATION



TOWER FOUNDATION END VIEW



FOUNDATION PLAN



SECTION H

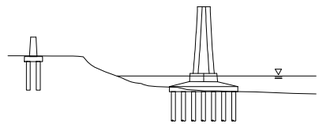
U.S. Department of Transportation
Federal Highway Administration

BRENT SPENCE BRIDGE
ALTERNATIVE 6: ONE TOWER CABLE-STAYED
TOWER FOUNDATION DETAILS

EXHIBIT
C6

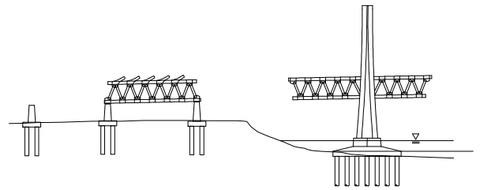
Prepared by:
PARSONS BRINCKERHOFF

STAGE 1



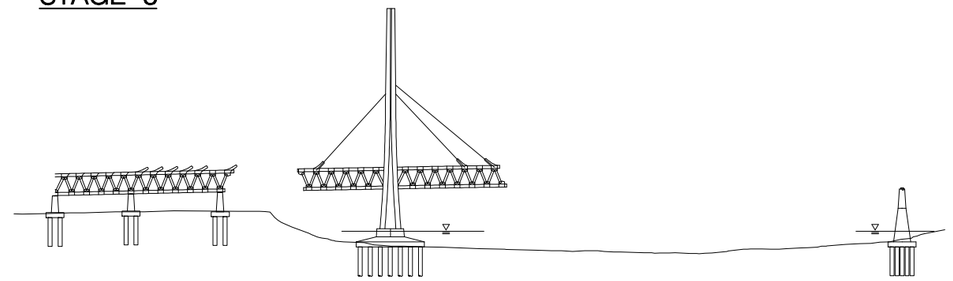
* CONSTRUCT TOWER FOUNDATIONS AND BEGIN TOWER CONSTRUCTION
* CONSTRUCT BACK SPAN ANCHOR PIERS AND FOUNDATIONS

STAGE 2



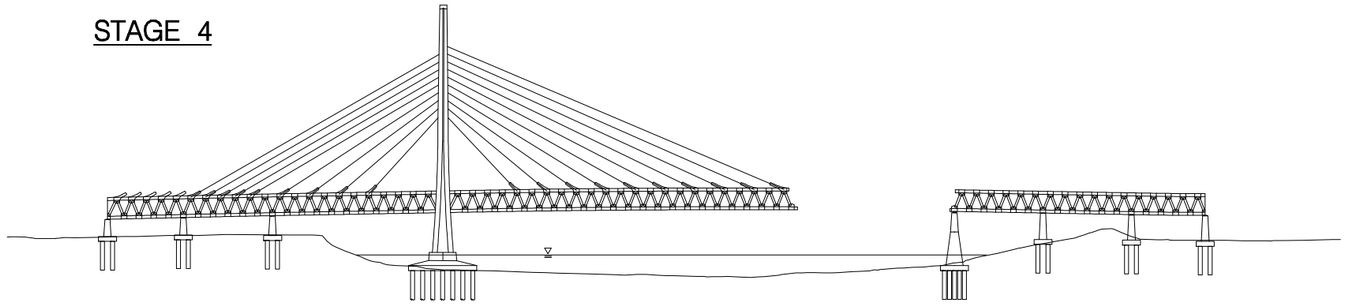
* ERECT SUPERSTRUCTURE SEGMENTS BY BALANCED CANTILEVER METHOD
* CONSTRUCT BACK SPAN SUPERSTRUCTURE
* CONTINUE TOWER CONSTRUCTION

STAGE 3

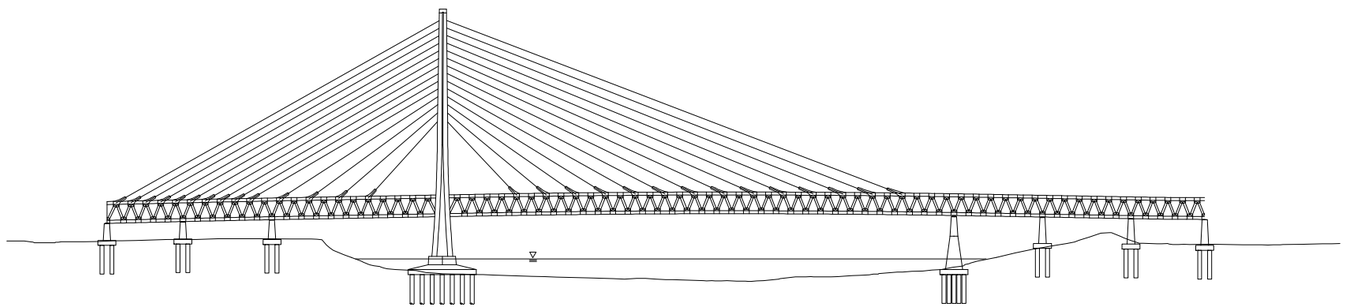


* ERECT SUPERSTRUCTURE SEGMENTS BY BALANCED CANTILEVER METHOD
* CONSTRUCT BACK SPAN SUPERSTRUCTURE
* CONSTRUCT APPROACH SPAN PIERS AND FOUNDATIONS
* CONTINUE TOWER CONSTRUCTION

STAGE 4



* COMPLETE TOWER CONSTRUCTION
* CONTINUE ERECTING SUPERSTRUCTURE SEGMENTS AND MAKE CLOSURE AT ANCHOR PIERS
* CONSTRUCT APPROACH SPAN SUPERSTRUCTURE



* COMPLETE ERECTING SUPERSTRUCTURE SEGMENTS IN MAIN SPAN AND MAKE FINAL CLOSURE
* INSTALL BARRIERS AND PLACE DECK OVERLAY

U.S. Department of Transportation
Federal Highway Administration

BRENT SPENCE BRIDGE
ALTERNATIVE 6: ONE TOWER CABLE-STAYED CONSTRUCTION SEQUENCE

EXHIBIT
C7

Prepared by:
PARSONS BRINCKERHOFF