

Note:
See Railing & Post details on sheet 4349.12 of Bridge #8 (Highway) Project WPH-12-H Kaula Belt Road.

Note for bottom trans bars:
Where spaced @ 6" cts bend up every other bar into sidewalk.
Where spaced @ 8" cts bend up every 3rd bar into sidewalk.
Bent bars all MK 402

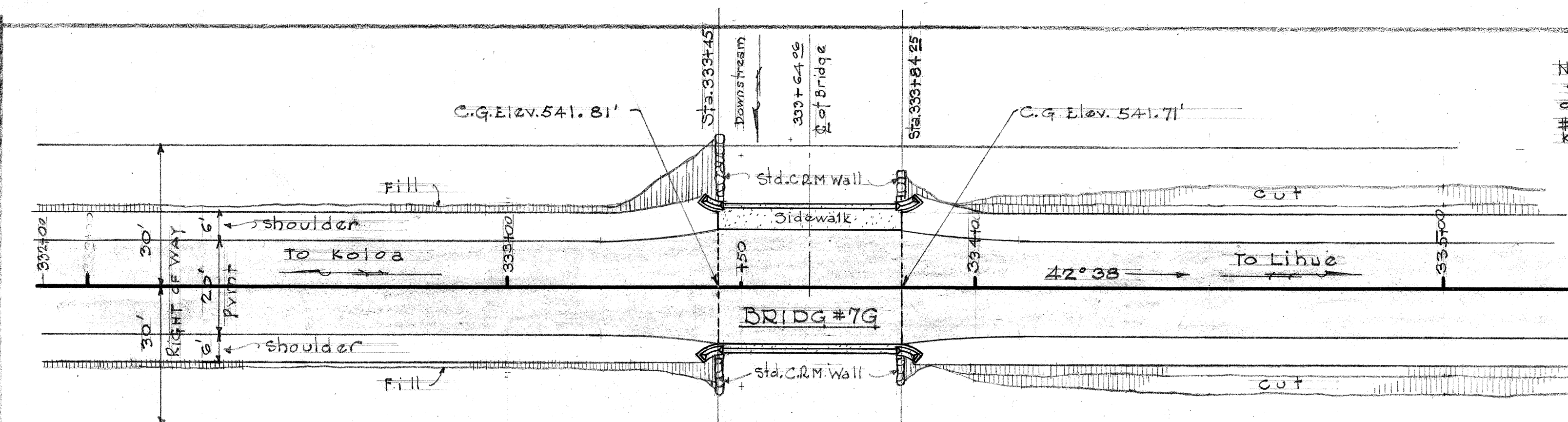
1/2" trans bars in bottom of slab & spaced as noted in longitudinal section.

Length 32'-9" MK 700
Length 38'-9" MK 800

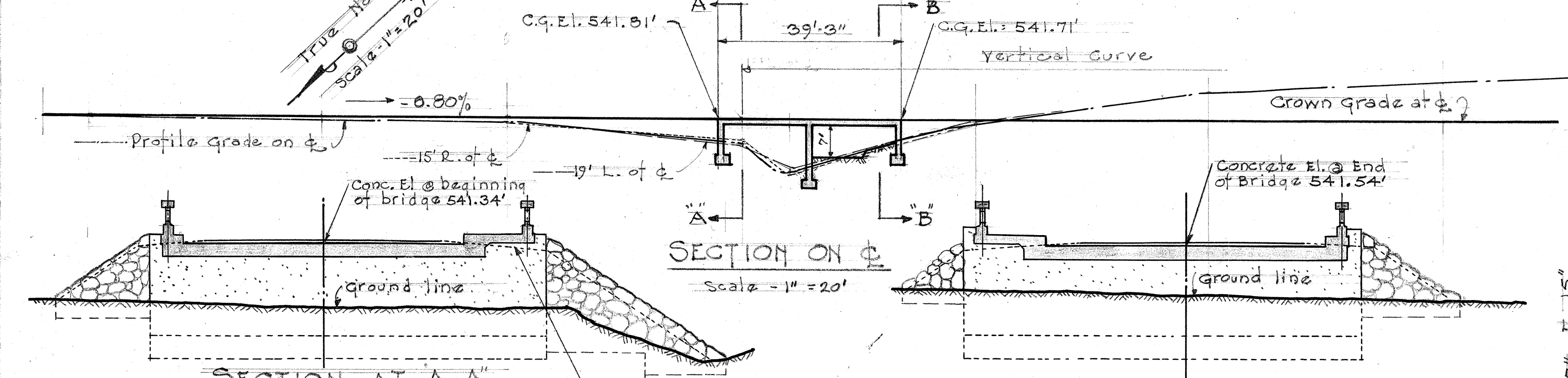
Length 32'-9" MK 402
Length 9'-6" MK 403

Length 28'-3" MK 401
Length 11'-6" MK 501
Length 20'-0" MK 701
Length 19'-11" MK 801

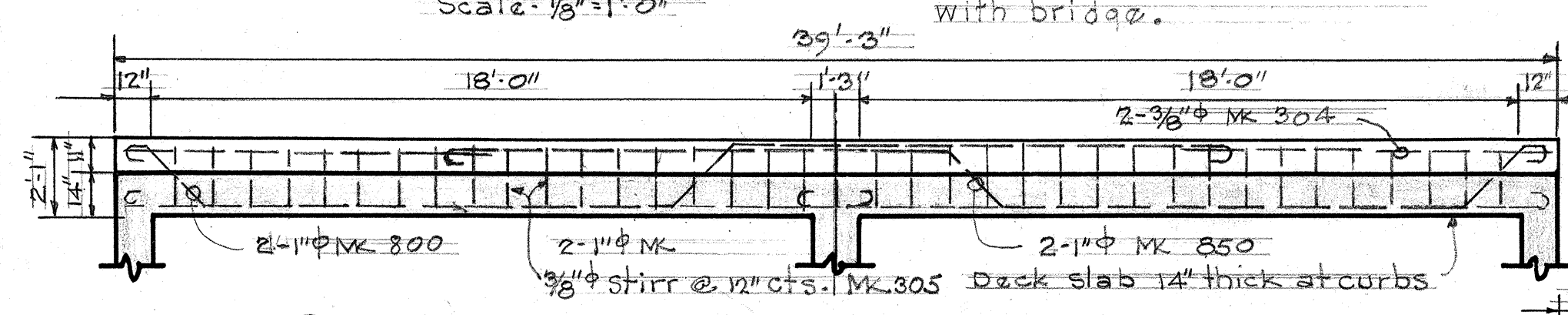
Note:
For typical truck diagram see sheet 4349.12 of bridge #8 W.H.P. 12-H



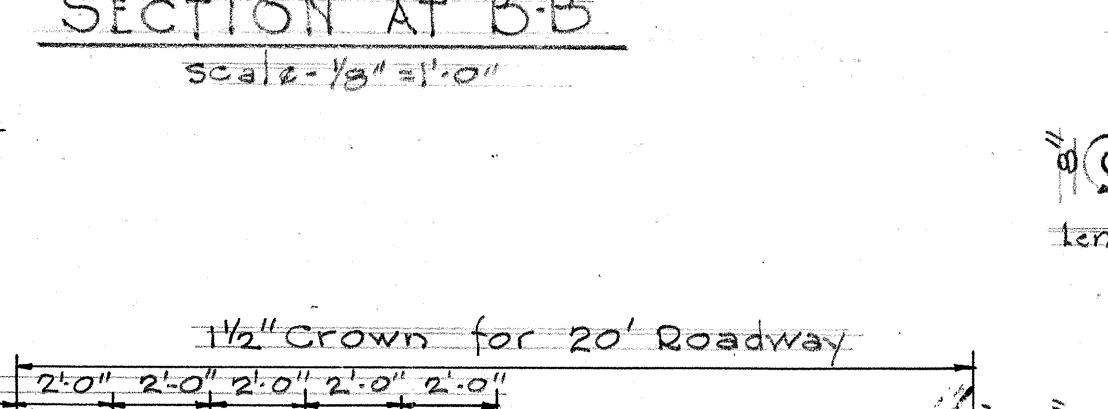
LAYOUT PLAN
Scale: 1" = 20'



SECTION ON C
Scale: 1" = 20'

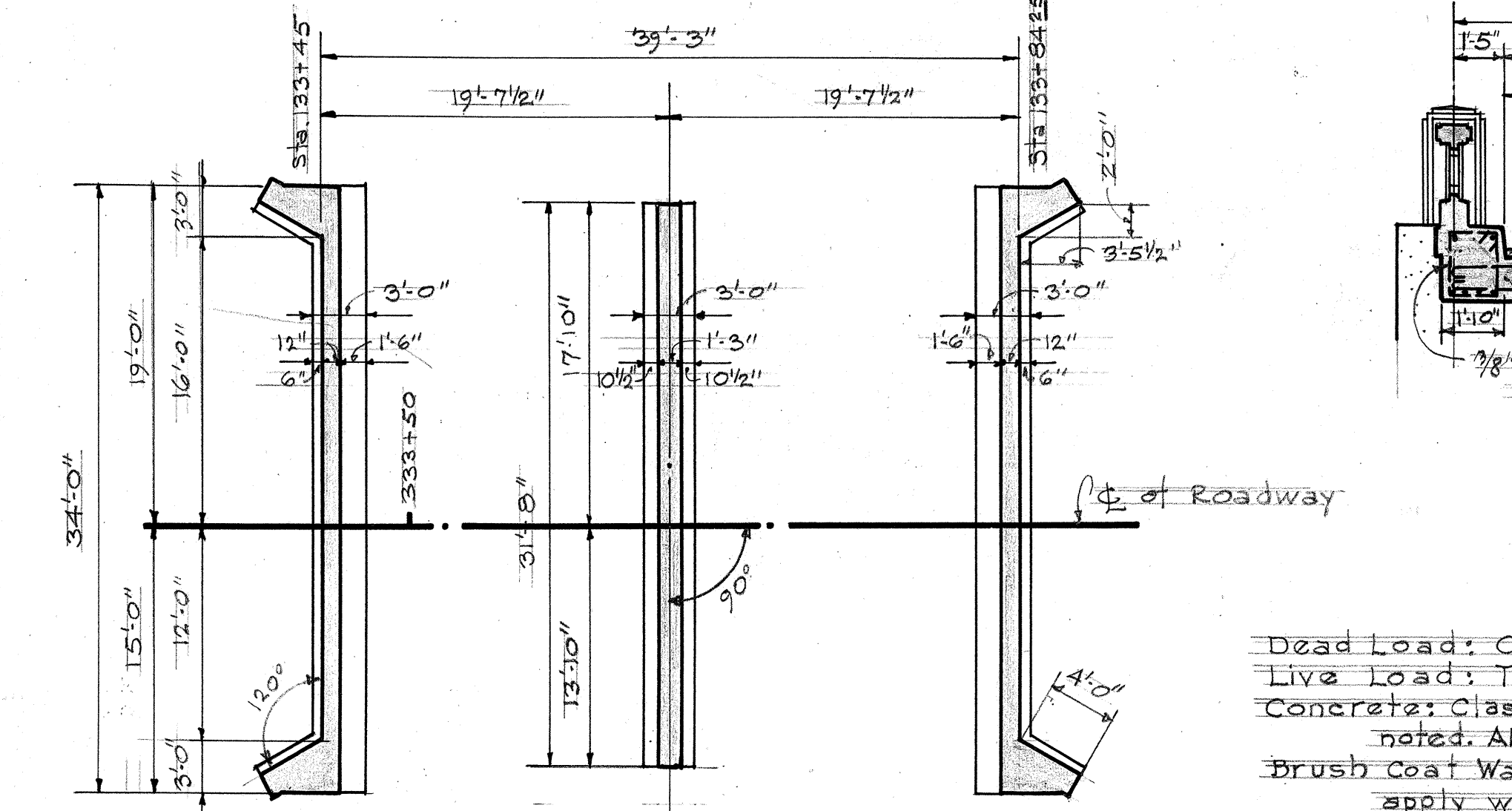


SECTION AT A-A
Scale: 1/8" = 1'-0"

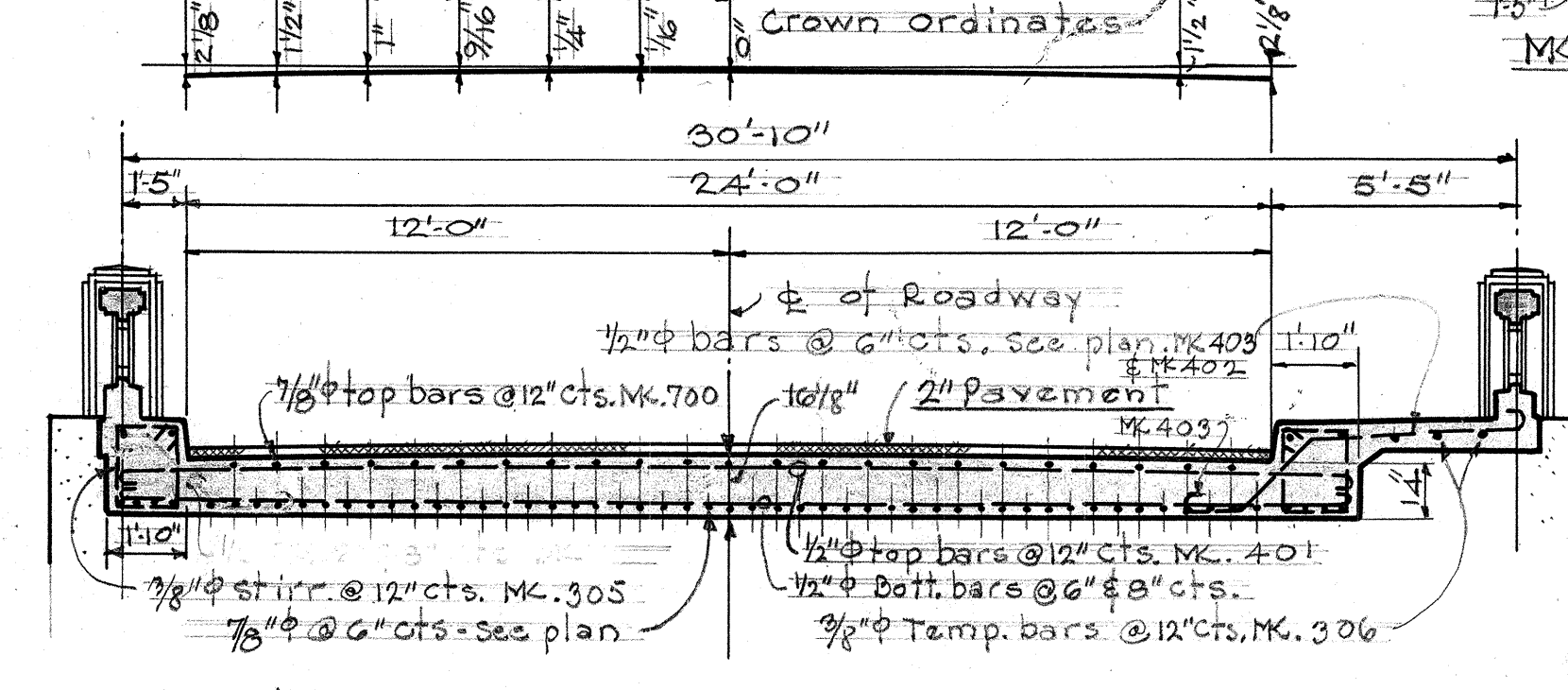


SECTION AT B-B
Scale: 1/8" = 1'-0"

REINF. FOR SIDEWALK BEAMS
Scale: 1/4" = 1'-0"



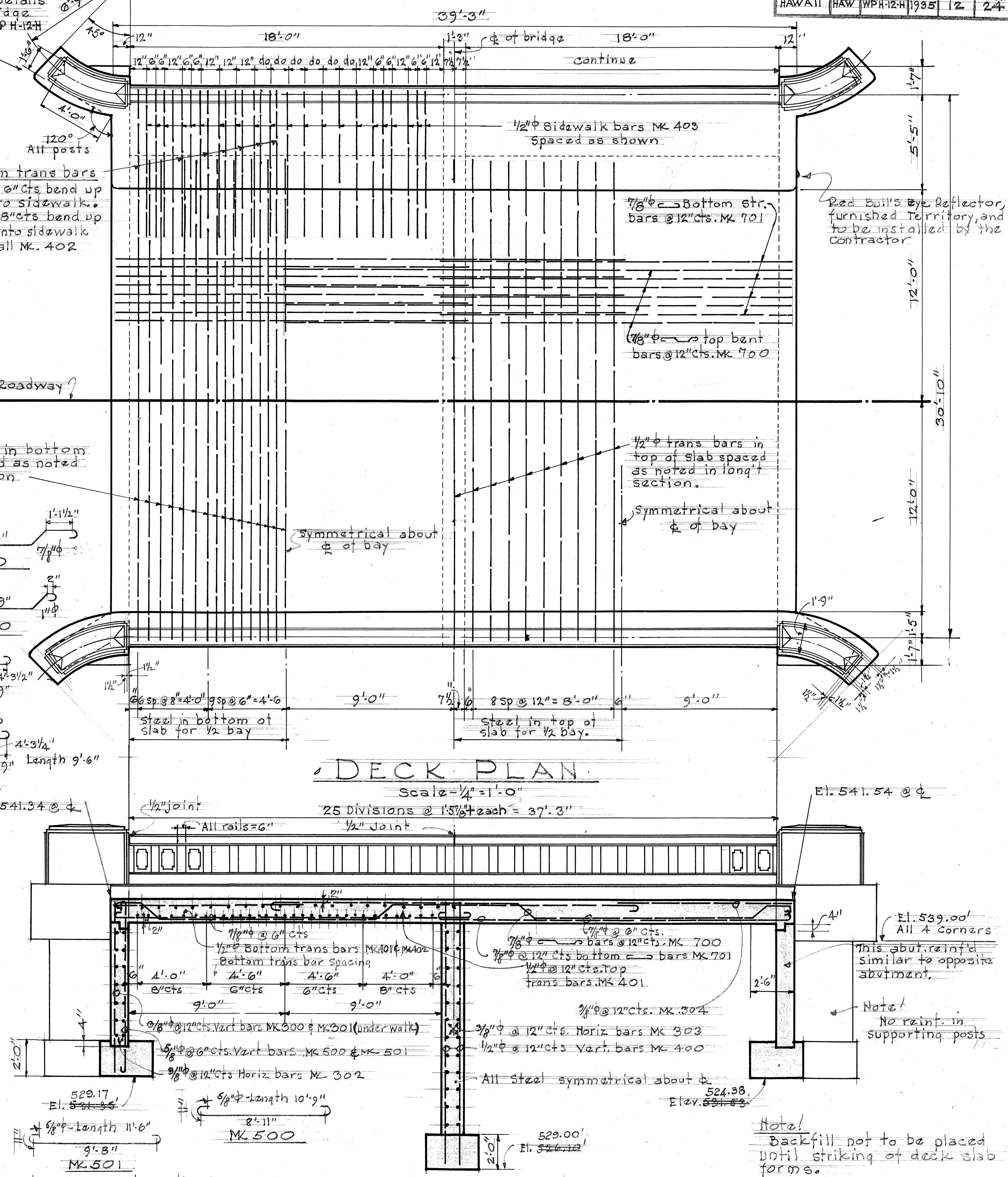
FOOTING PLAN
Scale: 1/8" = 1'-0"



TYPICAL CROSS SECTION
Scale: 1/4" = 1'-0"

GENERAL NOTES

Dead Load: Concrete 150# per cubic foot.
Live Load: Train of 15 ton trucks in 2 traffic lanes. Impact allowance 50/425.
Concrete: Class "A" (1:2:4) with all exposed edges chamfered 3/4" unless otherwise noted. Allowable compression 750# per square inch.
Brush Coat Waterproofing: Remove all projections, cement film, dirt, etc. and apply waterproofing as specified. Waterproofing is incidental to the concrete used, and will not be paid for separately.
Construction Joints: All construction joints to have surface roughened and 1:2 cement grout applied immediately before second pour.
Reinforcing Steel: Intermediate grade; allowable tensile stress 18,000# per square inch. All steel to be round or square deformed bars of approved design. All dimensions relating to reinforcement are to centers of bars unless otherwise noted. Where splicing of reinforcement is necessary bars are to be lapped 40 diameters and splices are to be staggered. No allowance will be made in the quantities for extra weight of steel required for splicing, unless otherwise noted the minimum covering measured from the surface of concrete to the face of any steel shall be not less than 2 1/2" in abutments and abutment footings, and 2" in slab. Steel to be held rigidly and accurately in place before and during placing of concrete.



DECK PLAN
Scale: 1/4" = 1'-0"

LONGITUDINAL SECTION
Scale: 1/2" = 1'-0"

QUANTITIES

Location	Chan.	Exc.	Struct. Exc.	C.R.M.	Conc.	Reinf. Steel
Footings					24.1 C.Y.	
Pier Walls					40.5	2,747 lbs
Superstructure					65.7	9,433
Railing					0.5	639
Total	6 C.Y.	105.5 C.Y.	23.1 C.Y.	138.8 C.Y.	129.19 lbs	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
BRIDGE No 7-G
STA. 333+45 to STA. 333+84.25
KAUAI DELT ROAD W.P.H. 12-H
OCT. 1935
SHEET 1 OF 1 SHEETS