

NOTE: ALL STRUCTURE SHOWN IS EXISTING.
MAKE REPAIRS AT LOCATIONS SHOWN.

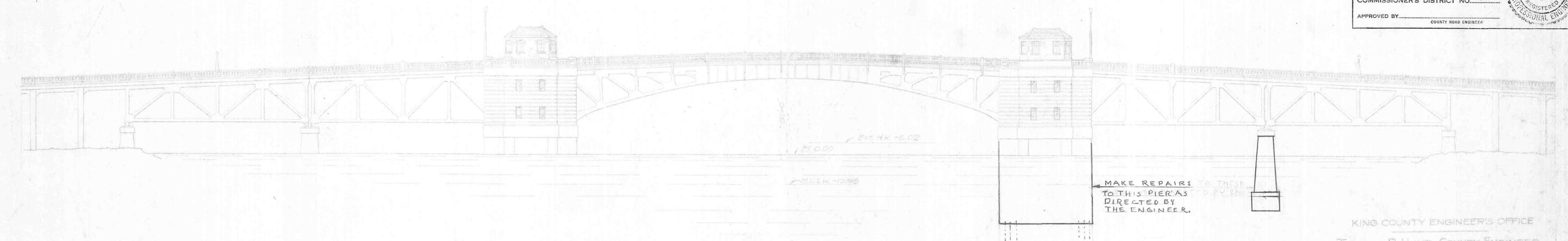


REMOVE UNSOUND CONCRETE FROM AREAS DESIGNATED BY THE ENGINEER. REPLACE WITH SPECIAL CONCRETE AS DESCRIBED ON THIS SHEET. PROVIDE 1/2" DOWEL ANCHORS OF DEFORMED REINFORCING ROD WHERE DIRECTED BY ENGINEER. BENT ANCHORS PREFERRED. DOWELS TO BE ANCHORED AT LEAST 6" INTO SOUND CONCRETE, AND BE AT LEAST 18" IN LENGTH. SEE SPECIAL PROVISIONS REGARDING TIMING OF WORK TO CONFORM WITH TIDAL CONDITIONS ETC. ACCESS MAY BE HAD THROUGH BASCULE PIER STAIRWAY, BUT TRAFFIC MUST NOT BE IMPEDED WHATSOEVER DURING RUSH HOUR OR BOEING SHIFT CHANGES. NOT MORE THAN ONE LANE OF TRAFFIC TO BE CLOSED AT OTHER TIMES, WITH PROPER FLAGGING & WARNING BARRICADES, NO MOVING IN OR OUT PAYMENTS FOR LOCAL SHUFFLING TO COMPLY WITH ABOVE TRAFFIC REQUIREMENT.

PROJECT LOCATED IN
SEC. 32, T24N, R4 E.

ADOPTED BY THE BOARD OF KING COUNTY COMMISSIONERS
SEATTLE, WASHINGTON, 19__
ATTEST: _____
DEPUTY CLERK

KING COUNTY ENGINEERING DEPARTMENT
D. L. EVANS, County Road Engineer
16TH AVE. SOUTH BRIDGE 3179
MINOR REPAIRS TO SPAN PIERS,
SURVEY No. _____ C.R.P. No. 43-585
SHEET 1 OF 1 SHEETS
SCALE: HOR: INCH = 100 FEET, VER: INCH = 10 FEET
COMMISSIONER'S DISTRICT NO. 2
APPROVED BY: _____
COUNTY ROAD ENGINEER



ELEVATION

CONCRETE.

CONCRETE SHALL CONSIST OF A SPECIAL MIX WHICH THE PROSPECTIVE BIDDER MAY PROPOSE, BUT WHICH MUST MEET WITH THE APPROVAL OF THE ENGINEER BEFORE RECEIVING FURTHER CONSIDERATION. THE DRY MIX SHALL HAVE ONE THIRD (1/3) CEMENT CONTENT BY VOLUME IN THE GROUT PASTE, OR BETTER. PROPERLY GRADED SAND AND CLOSELY CONTROLLED WATER SHALL BE ADDED, AS WELL AS CEMENT ADMIXTURES WHICH HAVE THE ABILITY TO RENDER THE MIX PROPERLY PLASTIC FOR EASY PLACEMENT WITHOUT SACRIFICE OF STRENGTH AND SOUNDNESS, AND WHICH WILL FACILITATE PLACEMENT IN THE PRESENCE OF WATER WITHOUT LOSS OF DESIRED PROPERTIES.

SUMMARY OF QUANTITIES.	
1. CONCRETE DRILLING EQUIPMENT AND CREW	127 DAYS.
2. CONCRETE PLACEMENT EQUIPMENT & CREW MEN	127 DAYS.
3. INSTALLATION & REMOVAL OF FORMWORK	200 SQ. FT.
4. MATERIALS AS SPECIFIED	SEE SPECIAL PROVS.

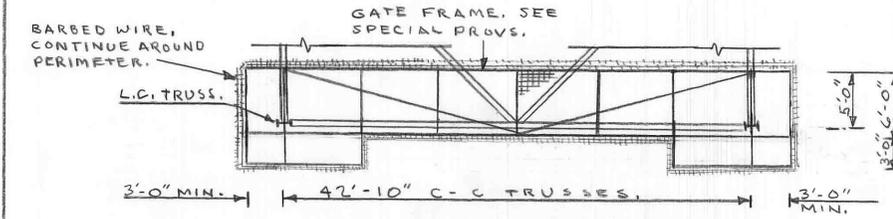
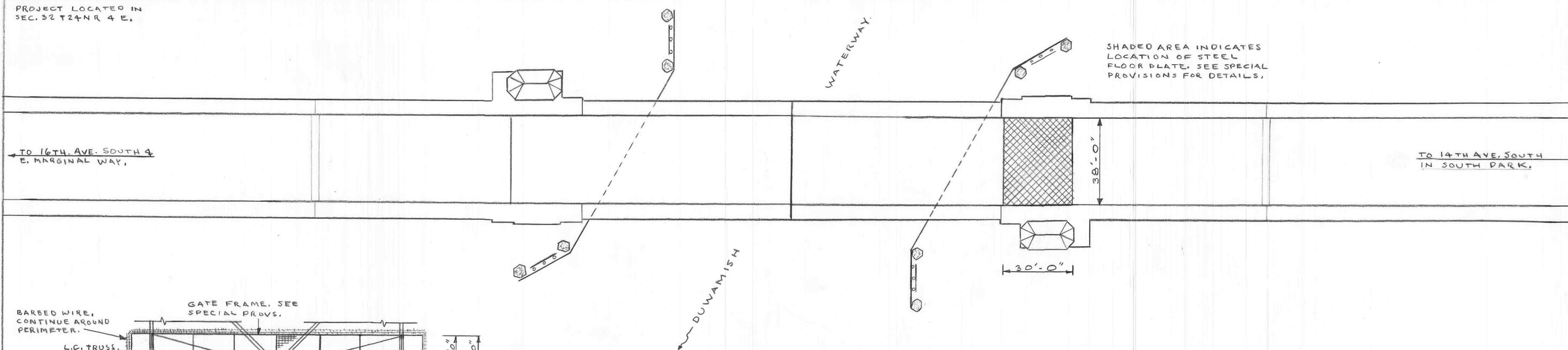
MAKE REPAIRS TO THESE TO THIS PIERS AS DIRECTED BY THE ENGINEER.

SHEET Nos. 1 TO 40 INCLUSIVE
APPROVED:
By *Thomas D. Hunt* County Engineer
By *D. L. Evans* Principal Assistant
Adopted by the BOARD OF COUNTY COMMISSIONERS
Don H. Brown Chairman
C. F. G... Deputy Clerk
Date 3P 1-27

KING COUNTY ENGINEER'S OFFICE
THOMAS D. HUNT COUNTY ENGINEER
D. L. EVANS PRINCIPAL ASSISTANT
GENERAL PLAN
FOR A
SCHERZER ROLLING LIFT BRIDGE
OVER
DUWAMISH WATERWAY
AT
14TH AVENUE SOUTH
SEATTLE, WASHINGTON
DESIGNED BY
THE SCHERZER ROLLING LIFT BRIDGE CO.
MUNADNOCK BLOCK, CHICAGO, ILL.

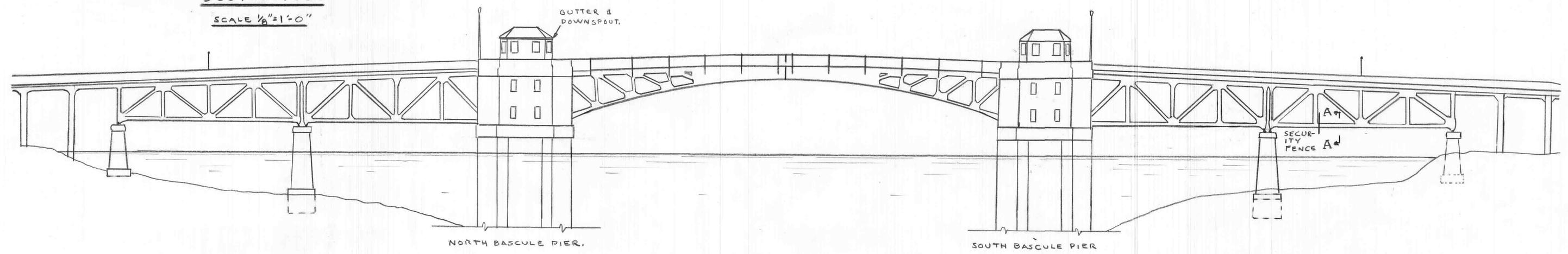
DRAWN BY H.E.
TRACED BY J.E.
CHECKED BY J.E.
REVISED 3-29-27
SCALE: 1/4" = 1'-0"
DATE: JUNE 6, 1925
SHEET NO. 1234

PROJECT LOCATED IN
SEC. 32 T24N R 4 E.



SECTION AA
SCALE 1/8" = 1'-0"

PLAN
SCALE 1" = 20'



ELEVATION
SCALE 1" = 20'

OUTLINE OF OPERATIONS.

CLEAN, SANDBLAST WHERE NEEDED, & PAINT ALL EXPOSED METAL ON BRIDGE, AS OUTLINED IN SPECIAL PROVISIONS, TWO COATS IN ADDITION TO EXISTING PAINT SURFACE, WHERE SAME IS SATISFACTORY IN LIEU OF PRIME COAT IN THE OPINION OF THE ENGINEER. NOTE SPECIAL PAINT FORMULA REQUIRED FOR UPPER INSIDE SURFACES OF LOWER CHORD ON APPROACH TRUSSES.

PROVIDE METAL WEARING SURFACE OVER SOUTH MACHINERY ROOM AS INDICATED ABOVE, SEE SPECIAL PROVISIONS. APPLY LAYER OF "EPOCAST 25A+9611" OR APPROVED EQUAL OVER ENTIRE METAL SURFACE.

FURNISH & INSTALL SECURITY CUTOFF FENCE, "CYCLONE INVINCIBLE" OR APPROVED EQUAL, AT LOCATION INDICATED, SEE SPECIAL PROVISIONS FOR TYPE OF CONSTRUCTION, ETC.

INSPECT & CLEAN ONE SET OF EXPANSION BEARINGS AS DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS.

FURNISH & INSTALL NEW GUTTER & DOWNSPOUT ON CONTR. HOUSE, AS SPECIFIED IN SPECIAL PROVISIONS.

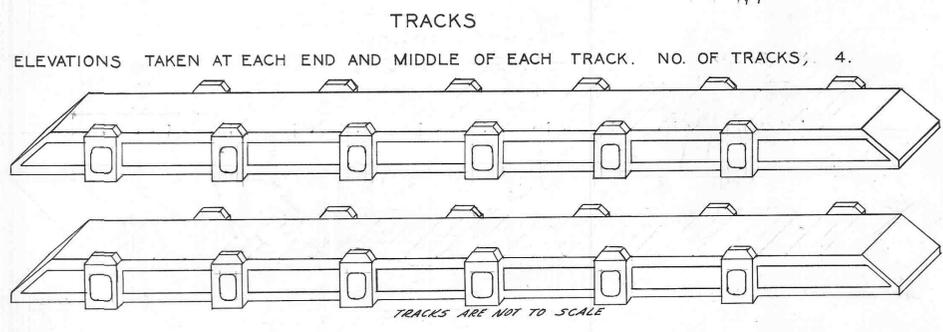
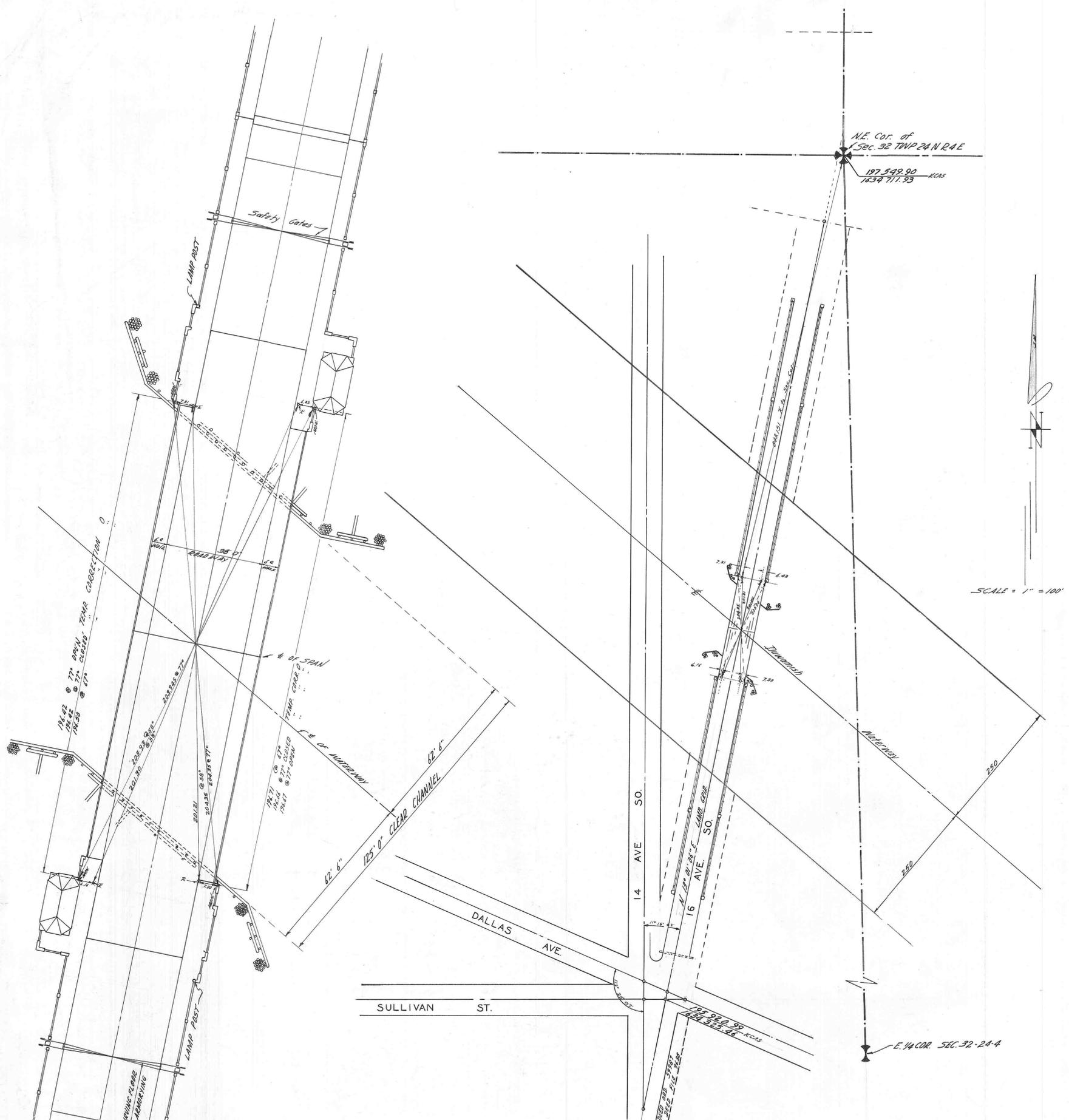
SUMMARY OF QUANTITIES.

1. CLEAN SANDBLAST & PAINT AS SPECIFIED	LUMP SUM.
2. FURNISH & INSTALL 1/8" ROLLED STEEL FLOOR PLATE	660 SQ. FT.
3. FURNISH & INSTALL 1/8" ABRASIVE FLOOR PLATE	480 SQ. FT.
4. NON SKID SURFACING IN PLACE	1,140 SQ. FT.
5. FURNISH & INSTALL SECURITY FENCE AS SPEC.	LUMP SUM
6. INSPECT & CLEAN ONE SET EXP. BRGS. AS SPEC.	LUMP SUM
7. FURNISH & INSTALL GUTTER & DOWNSPOUT AS SPEC.	LUMP SUM

KING COUNTY ENGINEERING DEPARTMENT
WALTER F. WINTERS, County Road Engineer
BRIDGE 3179 OVER DUWAMISH RIVER
MISCELLANEOUS IMPROVEMENTS,

SURVEY No. _____ C.R.P. No. _____
SHEET 1 OF 1 SHEETS
SCALE NOT INDICATED
COMMISSIONER'S DISTRICT NO. 2
APPROVED BY *Walter F. Winters*
COUNTY ROAD ENGINEER

10697 67-53K



ELEVATIONS ON TRACKS					
	ELEVATION POINTS ON TRACKS	DATE	ELEV.	DATE	ELEV.
NORTH END OF BRIDGE	NORTH END WEST SIDE	5-25-65	25.38	7-7-65	23.16
		6-2-65	25.38		
	SOUTH END WEST SIDE	5-25-65	25.33	7-7-65	23.12
		6-2-65	25.33		
MIDDLE OF BRIDGE	NORTH END EAST SIDE	5-25-65	25.395	7-7-65	23.16
		6-2-65	25.37		
	SOUTH END EAST SIDE	5-25-65	25.36	7-7-65	23.11
		6-2-65	25.34		
SOUTH END OF BRIDGE	MIDDLE WEST SIDE	5-25-65	25.36	7-7-65	23.13
		6-2-65	25.35		
	MIDDLE EAST SIDE	5-25-65	25.398	7-7-65	23.13
		6-2-65	25.35		
SOUTH END OF BRIDGE	NORTH END WEST SIDE	5-25-65	25.29	7-7-65	23.05
		6-2-65	25.29		
	SOUTH END WEST SIDE	5-25-65	25.315	7-7-65	23.14
		6-2-65	25.31		
SOUTH END OF BRIDGE	NORTH END EAST SIDE	5-25-65	25.30	7-7-65	23.05
		6-2-65	25.30		
	SOUTH END EAST SIDE	5-25-65	25.325	7-7-65	23.10
		6-2-65	25.32		
SOUTH END OF BRIDGE	MIDDLE WEST SIDE	5-25-65	25.305	7-7-65	23.06
		6-2-65	25.29		
	MIDDLE EAST SIDE	5-25-65	25.315	7-7-65	23.07
		6-2-65	25.305		

STABILITY STUDY — CHART										
OPERATIONS	DATE	TIME	TIDE	WEST SIDE		EAST SIDE		TEMP.	NORTH END BRIDGE	SOUTH END BRIDGE
				OPEN	CLOSE	OPEN	CLOSE			
BRIDGE IN MOTION	5-25-65	2:00 PM	LOW	197.47	196.45	196.71	196.70	62°		
BRIDGE IN MOTION	5-24-65	11:30 AM	HIGH	196.46	196.46	196.46	196.46	58°		
"	6-2-65	2:00 PM	EXTREME LOW	196.42	196.42	196.67	196.66	77°		
"	6-11-65					196.85		70°		
"	6-23-65					196.67		70°		
"	6-23-65					196.70		70°		
"	6-25-65					196.68		60°		
"	6-25-65					196.72		60°		
"	7-7-65					196.72	196.73	68°		
"	6-23-65			196.45	196.45			68°		
"	6-11-65			196.46						
"	6-25-65			196.47	196.45			68°		
"	7-7-65			196.48	196.47			68°		

14TH AVE. SO. BRIDGE STABILITY STUDY
DUWAMISH WATERWAY
SEATTLE WASHINGTON