

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR BRIDGE NO. 02527

County State Aid Highway No. 14

Between CENTERVILLE And T 35 W
A POINT 1843 FT. SO. OF NORTH A POINT 1875 FT. SO. OF NORTH
From 4 COR. SEC. 15, T31N, R22W To 4 COR. SEC. 15, T31N, R22W

Give proper reference to Sections, Township and Range

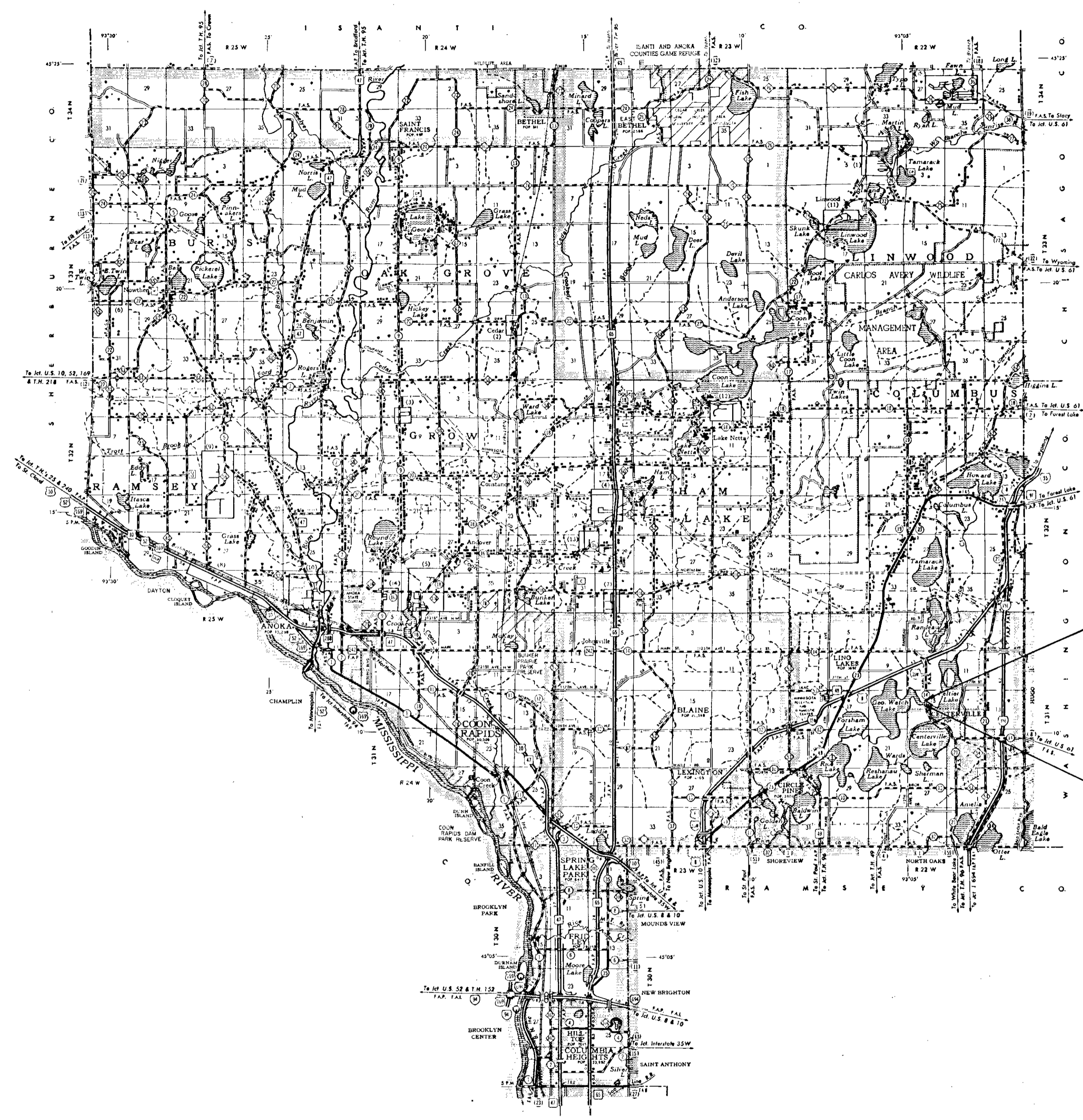
GROSS LENGTH _____ FEET _____ MILES
BRIDGES-LENGTH 32 FEET .006 MILES
EXCEPTIONS-LENGTH _____ FEET _____ MILES
NET LENGTH 32 FEET .006 MILES

INDEX OF SHEETS

Sheet No. _____ Title Sheet & Layout Map
Nos 1-7 Bridge Plans

CONVENTIONAL SIGNS

- STATE LINE _____
- COUNTY LINE _____
- TOWNSHIP OR RANGE LINE _____
- SECTION LINE _____
- QUARTER LINE _____
- SIXTEENTH LINE _____
- RIGHT OF WAY LINE _____
- PRESENT RIGHT OF WAY LINE _____
- CONTROL OF ACCESS LINE _____
- PROPERTY LINE (EVEN SAME LINE) _____
- VACATED PLAT PROPERTY _____
- CORPORATE OR CITY LIMITS _____
- TRUNK HIGHWAY CENTER LINE _____
- RETAINING WALL _____
- RAILROAD _____
- RAILROAD RIGHT OF WAY LINE _____
- RIVER OR CREEK _____
- DRY RUN _____
- ORANGEWOOD _____
- ELECTRIC POWER LINE _____
- TELEPHONE OR TELEGRAPH LINE _____
- JOINT TELEPHONE AND POWER _____
- CONDUIT _____
- TELEPHONE CABLE AERIAL _____
- TELEPHONE CABLE UNDERGROUND _____
- POWER CABLE UNDERGROUND _____
- SAW TANK _____
- CULVERT _____
- DROP INLET _____
- GUARD RAIL _____
- BARBED WIRE FENCE _____
- WOVEN WIRE FENCE _____
- CHAIN LINK FENCE _____
- RAILROAD SNOW FENCE _____
- STONE WALL OR FENCE _____
- RESIDE _____
- WATER PIPE _____
- SEWER PIPE _____
- DRAIN TILE _____
- SPRINGS _____
- MARSH _____
- TIMBER _____
- ORCHARD _____
- BRUSH _____
- NURSERY _____
- CATCH BASIN _____
- MANHOLE _____
- FIRE HYDRANT _____
- STREET LIGHT _____
- RAILROAD CROSSING SIGN _____
- RAILROAD CROSSING BELL _____
- ELECTRIC WARNING SIGN _____
- CROSSING GATE _____
- CATTLE GUARD _____
- OVERPASS (Highway Over) _____
- UNDERPASS (Highway Under) _____
- BRIDGE _____
- BUILDING (One Story Frame) _____
- F FRAME _____
- S STONE _____
- B BRICK _____
- ST STUCCO _____
- IRON PIPE OR RIB _____
- MONUMENT (STONE, CONCRETE, OR METAL) _____
- WOODEN HUB _____
- GRAVEL PIT _____
- SAND PIT _____
- BARROW PIT _____
- ROCK QUARRY _____
- MEANDER CORNER _____



BEGIN BRIDGE STA. 138+05.00

BRIDGE NO. 02527

END BRIDGE STA. 138+37.00

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

PLANS & R/W APPROVED Paul K. Ruud COUNTY ENGINEER DATE APRIL 15, 1975

RECOMMENDED FOR APPROVAL M. M. Crawford DISTRICT ENGINEER COUNTY REG. NO. 6549 DATE 4/23, 1975

RECOMMENDED FOR APPROVAL Keith V. Estival BRIDGE DESIGN & PLANNING ENGINEER DATE 1-23, 1975

APPROVED 4-23, 1975 Barbara M. Fay STATE AID ENGINEER

Minn. Proj. No. _____ County Proj. No. _____
State Proj. No. _____ S.A.P. 02-614-06

ANOKE County, Minnesota. Plan No. _____

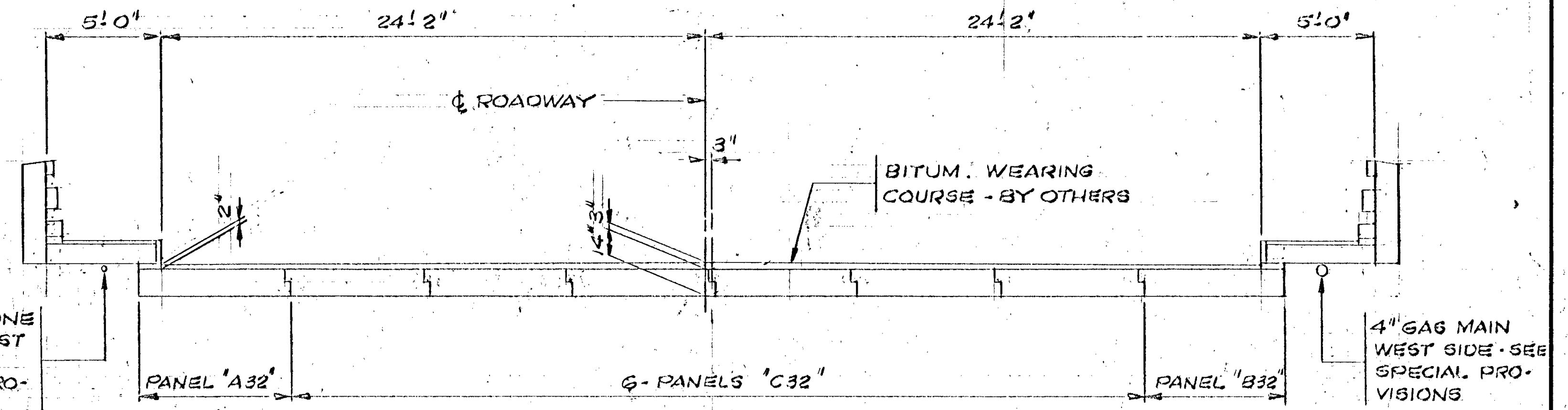
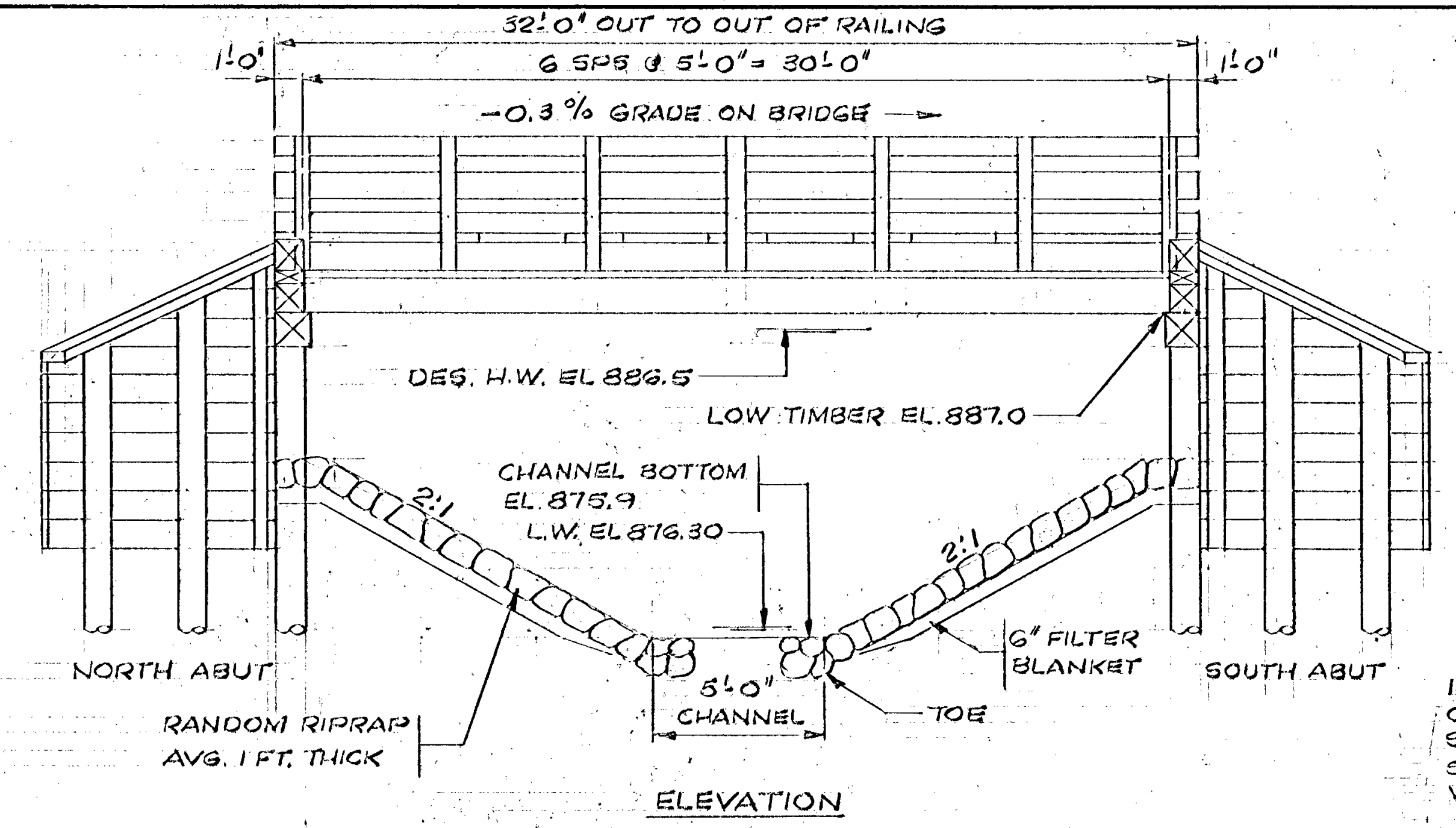
DESIGN DESIGNATION

ADT (CURRENT YEAR) _____
ADT (FUTURE YEAR) _____
T (HEAVY COMMERCIAL) _____
_____ Ton Design
Design Speed _____ MPH
Design Speed not achieved at:
STA. _____ TO STA. _____ MPH _____
STA. _____ TO STA. _____ MPH _____

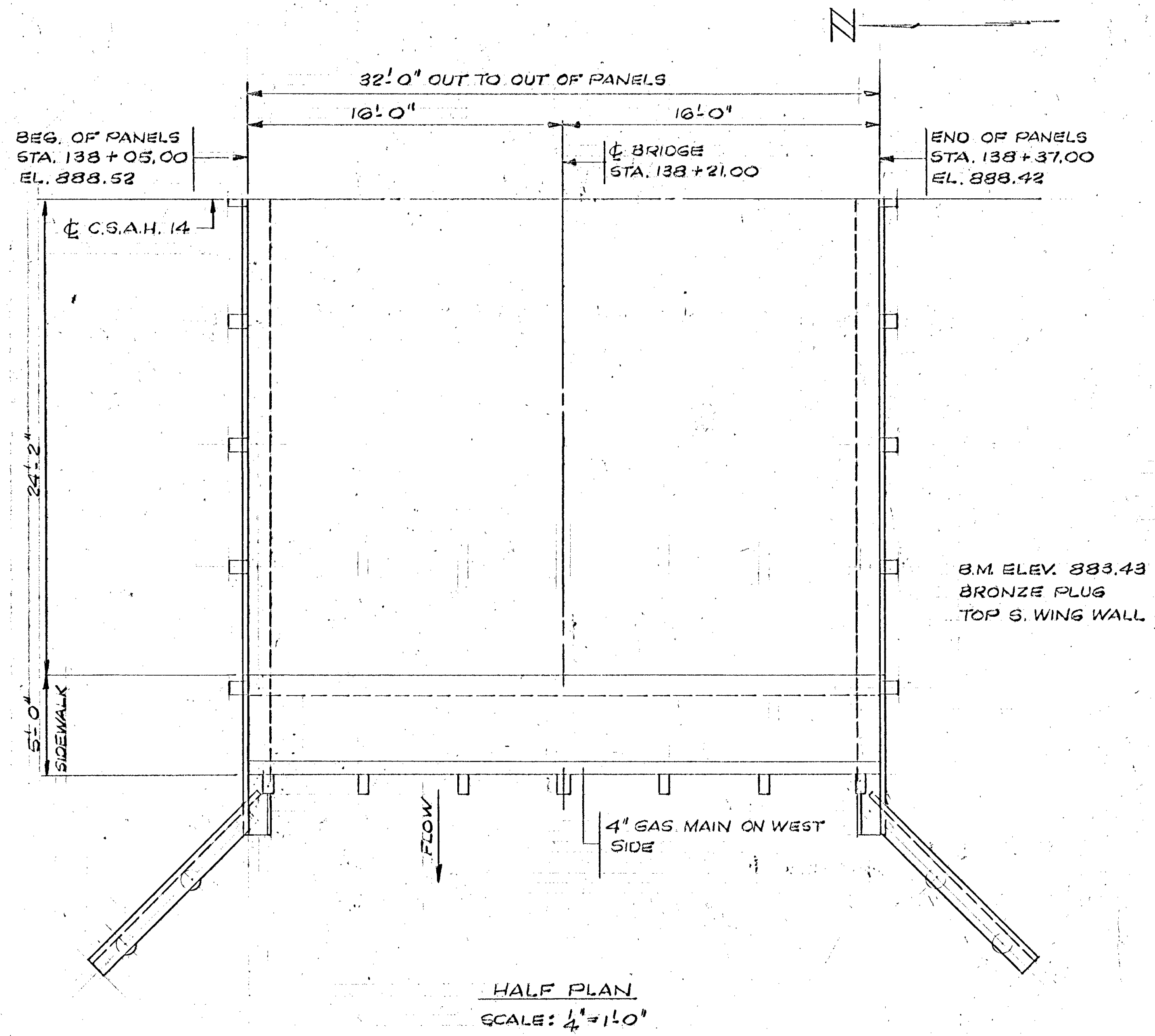
SPECIFICATIONS

THE "STANDARD" SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, DATED JAN. 1, 1972, AS AMENDED BY "SUPPLEMENTAL SPECIFICATIONS" DATED JAN. 1, 1974 SHALL GOVERN.

DESIGN DATA
 1973 A.A.S.H.T.O. DESIGN SPECIFICATIONS
 HS 20 LOADING NO IMPACT - 4 LANES
 DECK AREA 1867 SQ. FT.



SECTION THRU DECK
 SCALE: 1/4" = 1'-0"



CONSTRUCTION NOTES
 THE MINNESOTA HIGHWAY DEPARTMENT "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JAN. 1, 1972 AS AMENDED BY "SUPPLEMENTAL SPECIFICATIONS" DATED JAN. 1, 1974 SHALL GOVERN.
 CONSTRUCTION REQUIREMENTS SHALL CONFORM TO M.H.D. 2403.3.
 ALL TIMBER PILING TO MEET REQUIREMENTS OF M.H.D. 3471.
 ALL TIMBER AND PILING TO BE CREOSOTE PRESSURE TREATED PER M.H.D. 3491 EXCEPT AS FOLLOWS:
 RAILPOSTS, RAIL, & SIDEWALK CURBS & SCUPPERS TREATED WITH PENTACHLOROPHENOL SOLUTION IN ACCORDANCE WITH MHD 3491.
 ALL HARDWARE TO BE GALVANIZED PER M.H.D. 3392.
 ALL TIMBER IS ROUGH UNLESS OTHERWISE NOTED.
 TIMBER POSTS SHALL BE 1900 # FB, CAPS SHALL BE 1000 # FC.
 RAIL SHALL BE 1600 # FB, ALL PLANK SHALL BE 1500 # FB. ALL OTHER TIMBER SHALL BE 1200 # FB.

LIST OF SHEETS	
NO.	TITLE
1	GENERAL PLAN & ELEVATION
2	ABUTMENT DETAILS
3	SUPERSTRUCTURE DETAILS
4	SUPERSTRUCTURE DETAILS
5	32 FT. PANEL DETAILS
6	32 FT. SIDEWALK PANEL DETAILS
7	BRIDGE SURVEY

APPROVED *Paul Erickson*
 COUNTY ENGINEER
 DATE: 1/3/75 ANOKA COUNTY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 1/3/75 REG. NO. 2297

PLANS PREPARED BY
 ROBERT E. ERICKSON ENGINEERING CO
 3340 REPUBLIC AV.
 ST. LOUIS PARK, MINN.

C.S.A.H. 14 ANOKA COUNTY
 STATE OF MINNESOTA
 DEPARTMENT OF HIGHWAYS

BRIDGE NO. 02527
 2 MILES N.W. OF CENTERVILLE BETWEEN GEORGE WATCH LAKE & PELTIER LAKE
 1- 32 FT. TREATED TIMBER PANEL SPAN - 48'-4" ROADWAY 2- 5 FT. SIDEWALKS. SPAN IDENT. NO. 709
 GENERAL PLAN & ELEVATION
 SEC. 15 TWP. 31N R22W
 LINO LAKE TWP. ANOKA COUNTY
 APPROVED 4-15-75 *P. D. Swanson*
 BRIDGE DESIGN & PLANNING ENGINEER

SCHEDULE OF QUANTITIES FOR ENTIRE BRIDGE			
ITEM NO.	ITEM	QUANTITY	UNIT
2403.502	TREATED TIMBER	9.84	M.B.M.
2403.506	HARDWARE	2720 (P)	POUND
2511.504	FILTER BLANKET, TYPE 1	50	CU. YD.
403.604	PREFAB TIMBER PANELS, TYPE "A32"	1	PANEL
403.604	PREFAB TIMBER PANELS, TYPE "B32"	1	PANEL
403.604	PREFAB TIMBER PANELS, TYPE "C32"	6	PANEL
2452.503	TREATED TIMBER PILING DELIVERED	1460	LIN. FT.
2452.504	TREATED TIMBER PILING DRIVEN	1392	LIN. FT.
2452.517	TREATED TIMBER TEST PILES, 60 FT. LONG.	2	EACH
2511.501	RANDOM RIPRAP, CLASS A	115	CU. YD.
2442.501	REMOVE OLD BRIDGE	1	LUMP SUM
403.604	PREFAB TIMBER PANELS, TYPE "D32"	2	PANEL

(P) DENOTES PLAN QUANTITY PAY ITEM PER M.H.D. 1901
 ① STA. 138+52