

### CONVENTIONAL SIGNS

STATE LINE	TIMBER	
COUNTY LINE	BRUSH	
TOWNSHIP OR RANGE LINE	ORCHARD	
SECTION LINE	ROCK LEDGE	
QUARTER LINE	SAND	
SIXTEENTH LINE	EDGE OF CUT	
RIGHT-OF-WAY LINE	TOE OF EMBANKMENT	
PROPERTY LINE (Except Land Lines)	CATCH BASIN	
VACATED PLATTED PROPERTY	MANHOLE	
CORPORATE OR CITY LIMITS	FIRE HYDRANT	
TRUNK HIGHWAY CENTER LINE	ARC LAMP	
RETAINING WALL	OTHER LAMPS (State Kind)	
STEAM RAILROAD	RAILROAD CROSSING SIGN	
ELECTRIC RAILROAD	RAILROAD CROSSING BELL	
RAILROAD RIGHT-OF-WAY LINE	ELECTRIC WARNING SIGN	
CREEK	CROSSING GATE	
RAPIDS OR WATERFALL	CATTLE GUARD	
DRY RUN	OVERHEAD (Highway Over)	
DRAINAGE DITCH	UNDERPASS (Highway Under)	
HIGH TENSION LINE	ABUTMENT, WALL & PIER	
POWER POLE LINE	BRIDGE	
TELEPHONE OR TELEGRAPH LINE	BUILDING (One Story Frame)	
CULVERT	F. FRAME C. CONCRETE	
DROP INLET	S. STONE T. TILE	
GUARD RAIL	B. BRICK ST. STUCCO	
WIRE FENCE	IRON PIPE	
RAILROAD SNOW FENCE	STONE MONUMENT	
BOARD OR HIGHWAY SNOW FENCE	WOOD STAKE OR HUB	
STONE WALL OR FENCE	MEANDER CORNER	
HEDGE		
WATER PIPE		
SEWER PIPE		
DRAIN TILE		
GRAVEL PIT		
SAND PIT		
CLAY PIT		
ROCK QUARRY		
SPRINGS		
MARSH		
TRUNK HIGHWAY R/W		
RAILROAD R/W		
PRESENT ROAD R/W		
LIMITED ACCESS		

MINNESOTA PROJECT F031-1

GROSS LENGTH	25788.92 FEET	4.884 MILES
BRIDGES-LENGTH	218.20 FEET	0.042 MILES
EXCEPTIONS-LENGTH	173.16 FEET	0.033 MILES
NET LENGTH	25615.76 FEET	4.851 MILES

MINNESOTA PROJECT F081-1

GROSS LENGTH	6526.34 FEET	1.236 MILES
BRIDGES-LENGTH	250.00 FEET	0.047 MILES
EXCEPTIONS-LENGTH	250.00 FEET	0.047 MILES
NET LENGTH	6276.34 FEET	1.183 MILES

STATE PROJECT NO. 0215-03

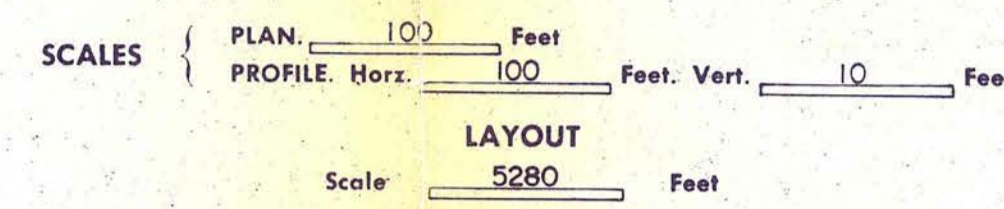
GROSS LENGTH	25788.92 FEET	4.884 MILES
BRIDGES-LENGTH	218.20 FEET	0.042 MILES
EXCEPTIONS-LENGTH	173.16 FEET	0.033 MILES
NET LENGTH	25615.76 FEET	4.851 MILES

STATE PROJECT NO. 0205-09

GROSS LENGTH	6526.34 FEET	1.236 MILES
BRIDGES-LENGTH	250.00 FEET	0.047 MILES
EXCEPTIONS-LENGTH	250.00 FEET	0.047 MILES
NET LENGTH	6276.34 FEET	1.189 MILES

### INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE SHEET
3-7	TYPICAL SECTIONS
8	MISCELLANEOUS CHARTS
9	DRAINAGE CHART
10	ACCELERATION AND DECELERATION LANE DETAILS
11-14	INTERCHANGE ALIGNMENT AND MEDIAN LINE DETAILS
15-31	PLAN AND PROFILE SHEETS
32-165	CROSS SECTIONS



**SPECIFICATIONS**

THE "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED MAY 1, 1959, AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF THE BUREAU OF PUBLIC ROADS ON MARCH 26, 1959, SHALL GOVERN.

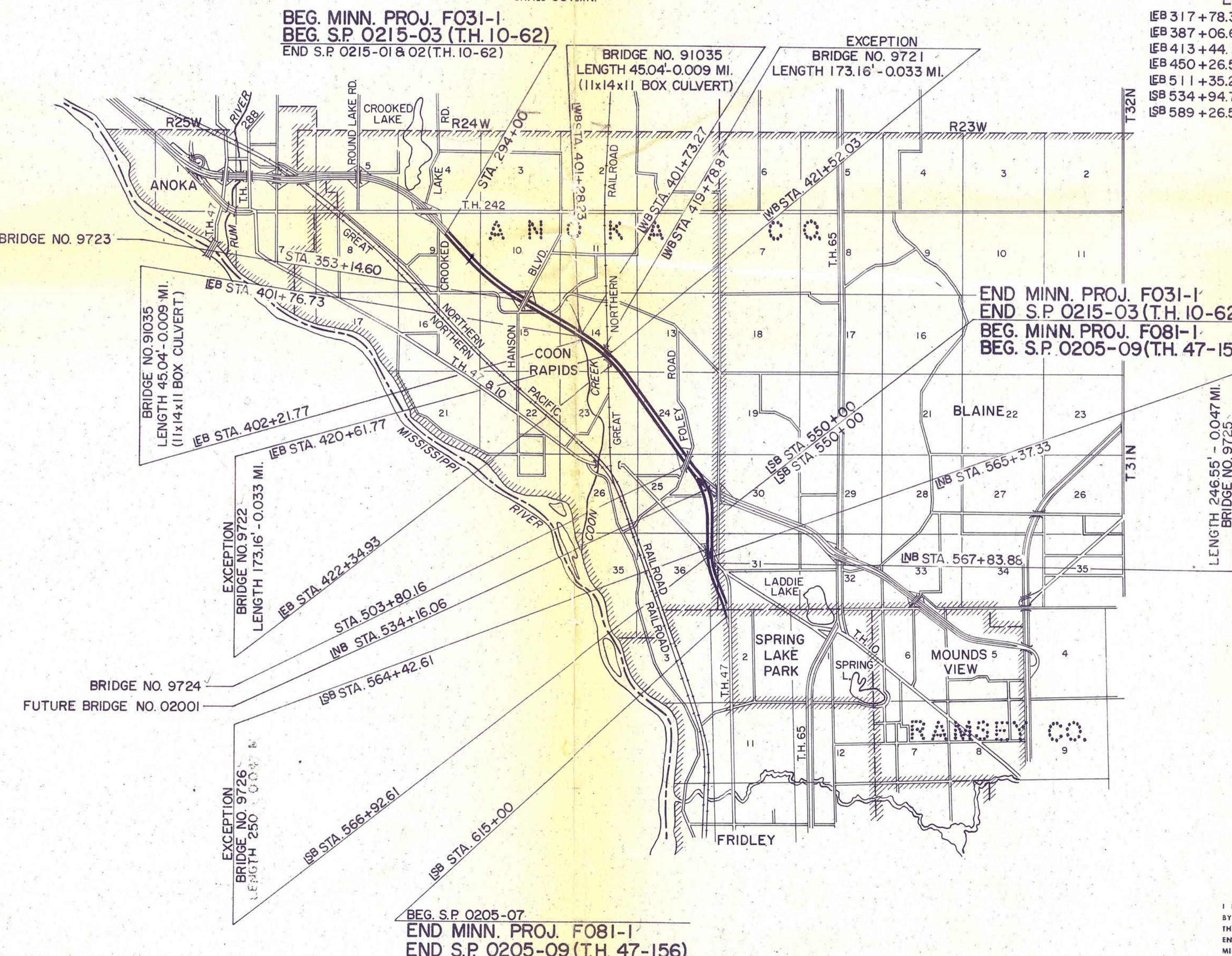
LENGTH OF PROJECTS BASED ON T.H. 10 E.B. & T.H. 47 S.B. & EQUATIONS

EB 317+78.34 = EB 317+72.73  
 EB 387+06.68 = EB 387+14.66  
 EB 413+44.12 = EB 410+44.10  
 EB 450+26.53 = EB 450+77.40  
 EB 511+35.28 = EB 511+35.28  
 EB 534+94.72 = EB 535+52.58  
 EB 589+26.53 = EB 589+00.19

*Est. Letting July 1962*

### PIT DATA

PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul
PIT NO.	Located in Dead Haul



Right of Way Approval	ENGINEER OF LANDS AND RIGHT OF WAY	19
Recommended for Approval	ROAD PLANS ENGINEER	19
Recommended for Approval	DISTRICT ENGINEER	19
Recommended for Approval	ASSISTANT ROAD DESIGN ENGINEER	19
Recommended for Approval	ROAD DESIGN ENGINEER	19
Approved	ASSISTANT CHIEF ENGINEER	19

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.

*E.C. Bather*  
 DATE 12/17/62 REG. NO. 1237

PLAN PREPARED BY:  
 E.C. BATHER AND ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 ST. PAUL, MINN.

DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_

DESIGN SQUAD \_\_\_\_\_

PROJECT DESIGN SPEED 70 MILES PER HOUR  
 BASED ON MINIMUM STOPPING SIGHT DISTANCE. HEIGHT OF EYE 3.75 FEET. HEIGHT OF OBJECT 0.5 FEET.