

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	
PRESENT ROAD 1/4" LINE	-----	CATCH BASIN	
LIMITED ACCESS	-----	MANHOLE	
PROPERTY LINE (Except Land Lines)	-----	DROP INLET	
VACATED PLATTED PROPERTY	-----	FIRE HYDRANT	
CORPORATE OR CITY LIMITS	-----	ARC LAMP	
TRUNK HIGHWAY CENTER LINE	-----	OTHER LAMPS (State Kind)	
RETAINING WALL	-----	RAILROAD CROSSING SIGN	
STEAM RAILROAD	-----	RAILROAD CROSSING BELL	
ELECTRIC RAILROAD	-----	ELECTRIC WARNING SIGN	
RAILROAD RIGHT-OF-WAY LINE	-----	CROSSING GATE	
CREEK	-----	CATTLE GUARD	
RAPIDS OR WATERFALL	-----	OVERHEAD (Highway Over)	
DRY RUN	-----	UNDERPASS (Highway Under)	
DRAINAGE DITCH	-----	ABUTMENT, WALL & PIER	
HIGH TENSION LINE	-----	BRIDGE	
POWER POLE LINE	-----	CULVERT	
TELEPHONE OR TELEGRAPH LINE	-----	BUILDING (One Story Frame)	
TELEPHONE CONDUIT	-----	C-CONCRETE S-STONE T-TILE B-BRICK ST-STUCCO	
GUARD RAIL	-----	HEDGE	
WIRE FENCE	-----	IRON PIPE	
RAILROAD SNOW FENCE	-----	STONE MONUMENT	
BOARD OR HIGHWAY SNOW FENCE	-----	WOOD STAKE OR HUB	
STONE WALL OR FENCE	-----	MEANDER CORNER	
GAS MAIN	-----		
WATER PIPE	-----		
SEWER PIPE	-----		
DRAIN TILE	-----		
GRAVEL PIT	-----		
SAND PIT	-----		
CLAY PIT	-----		
ROCK QUARRY	-----		
SPRINGS	-----		
MARSH	-----		

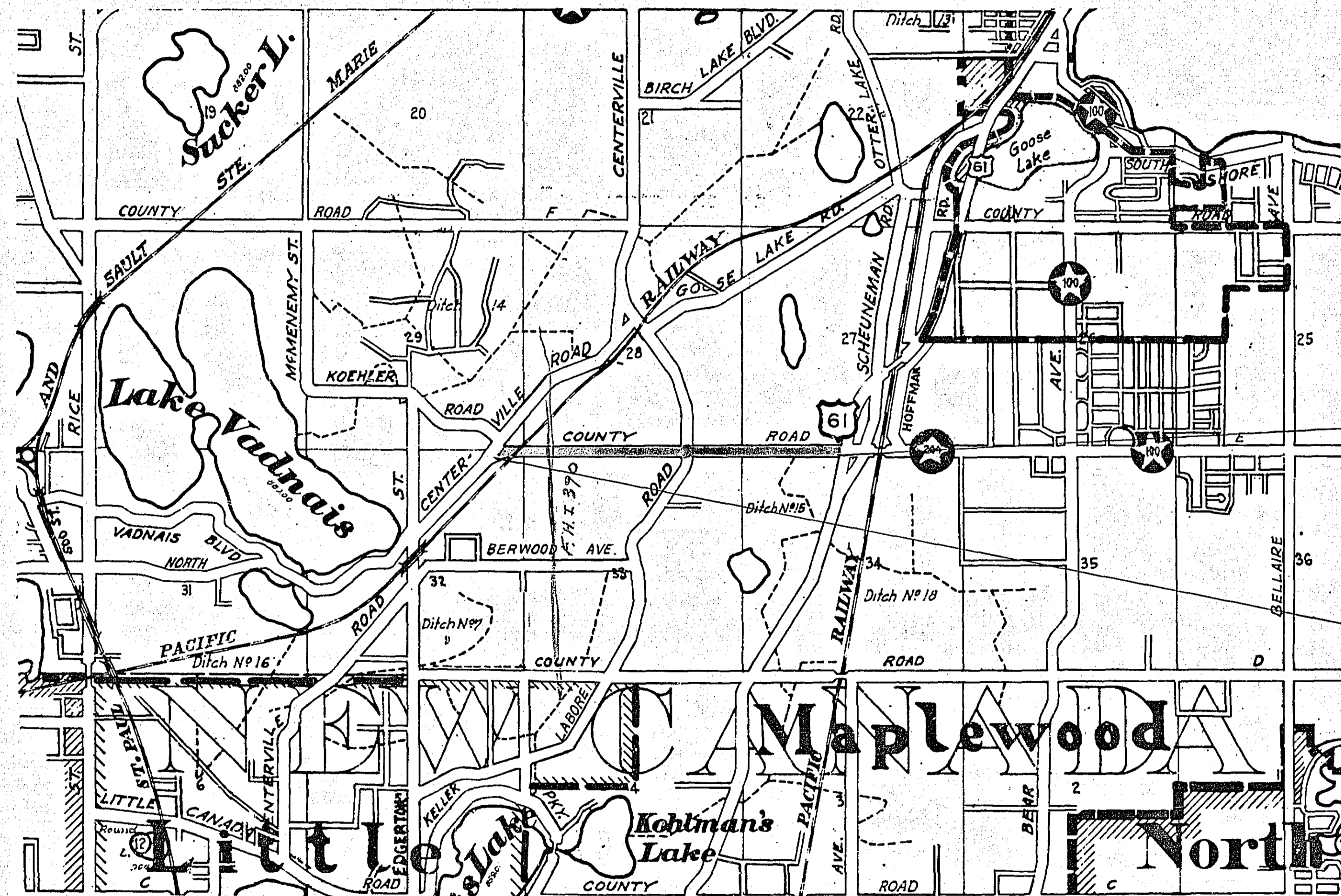
PLATE NO.	STANDARD DETAIL PLATES
9001 A	BITUMINOUS SURFACE ROAD APPROACH-ENT.

ESTIMATED QUANTITIES			
SPEC. NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
	BIT. MATERIAL FOR TACKCOAT	GAL.	1886
	BIT. MATERIAL FOR WEARING COURSE	TONS	1603

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY
CONSTRUCTION PLAN FOR BITUMINOUS SURFACING
COUNTY ROAD "E"
RAMSEY COUNTY PROJECT NO. 57-73D
FROM CENTERVILLE ROAD TO T.H. 61

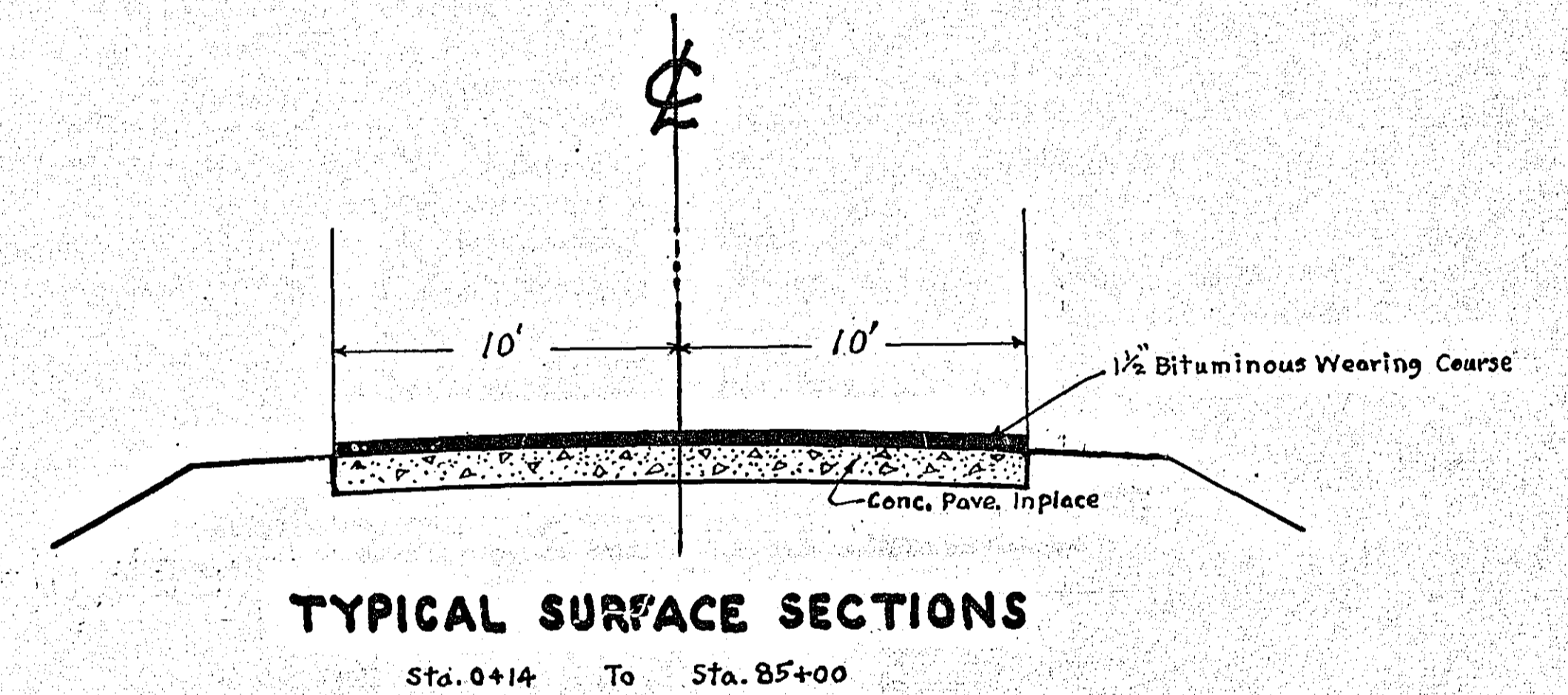
GROSS LENGTH 84.86 FEET 1.607 MILES
BRIDGES-LENGTH 0 FEET 0 MILES
EXCEPTIONS-LENGTH 0 FEET 0 MILES
NET LENGTH 84.86 FEET 1.607 MILES

SCALES: PLAN, 1 inch = 100 Feet
PROFILE, Horiz. 1 inch = 100 Feet; Vert. 1 inch = 10 Feet.
WORKING PLANS: Horiz. 1 inch = 100 Feet; Vert. 1 inch = 10 Feet; Cross-Sections 1 inch = Feet
LAYOUT, 1 inch = Feet



END OF PROJ.
STA. 85+00

BEG. PROJ.
STA. 0+14



PIT DATA

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

BASIS FOR PLANNED QUANTITIES

BIT. MATERIAL FOR TACK COAT 0.10 GAL. PER SQ. YD.
BIT. MATERIAL FOR WEARING COURSE 170 LBS. PER SQ. YD.

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.

Barrett A. Brennan COUNTY ENGINEER REG. NO. 810 DATE 5/22/57

RECOMMENDED FOR APPROVAL *Barrett A. Brennan* COUNTY ENGINEER DATE 5/22/57

APPROVED *H. C. Goodrich* CHAIRMAN OF RAMSEY COUNTY BOARD DATE 6/3/57

RECOMMENDED FOR APPROVAL *E. H. McCubrey* DISTRICT ENGINEER DATE 7-25-57

APPROVED *D. M. Garneau* ENGINEER OF COUNTY DIVISION DATE 7-25-57

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	RT. OF WAY	
	CHECKED	
	NO. OF WAY	
	CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	BL. M. NOTED	
	STRUCTURE	
	NOTATIONS	
	CHECKED	
	NO.	

