

RAMSEY COUNTY
DEPARTMENT OF HIGHWAYS
CONSTRUCTION PLAN FOR BITUMINOUS OVERLAY

COUNTY STATE AID HIGHWAY NO. 77

FROM: CENTER LINE 7th ST. N.W.
TO: NORTH END CURB RADIUS 10th ST. N.W.,
NEW BRIGHTON

STATE AID PROJECT NO. 62-677-08 CTB

GROSS LENGTH 1481 FEET 0.280 MILES
BRIDGES LENGTH 0 FEET 0 MILES
EXCEPTIONS LENGTH 0 FEET 0 MILES
NET LENGTH 1481 FEET 0.280 MILES

RECOMMENDED FOR APPROVAL *F.M.D.* DATE 5/4/76
ASS'T CO. ENGINEER

RECOMMENDED FOR APPROVAL *MDK* DATE 5/3/76
MAINTENANCE ENGINEER

RECOMMENDED FOR APPROVAL *K.E.W.* DATE 5/16/76
CONSTRUCTION ENGINEER

RECOMMENDED FOR APPROVAL *J.A.P.* DATE 5-11-76
S.O.W. ENGINEER

RECOMMENDED FOR APPROVAL *BLK* DATE 5-1-76
TRAFFIC ENGINEER

APPROVED *Dean K. Oakley* DATE 5-7-76
COUNTY ENGINEER

END PROJECT

BEGIN PROJECT

DESIGN SPEED
30 MILES PER HOUR

PRESENT TRAFFIC 7,000 ADT
PROJECTED TRAFFIC 12,000 ADT

SOIL FACTOR 100 %
9 TON DESIGN

SPECIFICATIONS
THE "STANDARD SPECIFICATIONS FOR
HIGHWAY CONSTRUCTION" DATED JAN 1,
1972 AND AS AMENDED BY "SUPPLEMENTAL
SPECIFICATION" DATED APRIL 1, 1976
SHALL GOVERN.

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

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

DESIGN ENGINEER *W. J. Roman* REG. NO. 5782 DATE May 3, 76

RECOMMENDED FOR APPROVAL *W. J. Roman* 1976
CHAIRMAN OF THE RAMSEY COUNTY BOARD

RECOMMENDED FOR APPROVAL *Boyle C. Brown* 1976
MAYOR, CITY OF NEW BRIGHTON

RECOMMENDED FOR APPROVAL *W. J. Roman* 1976
DISTRICT STATE AID ENGINEER

RECOMMENDED FOR APPROVAL *W. J. Roman* 1976
STATE AID PLANS ENGINEER

APPROVED 5/4 1976 *W. J. Roman* STATE AID ENGINEER

MICROFILMED
RAMSEY CO. ENGR. SHEET 1 OF 3 SHEETS

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STATEMENT OF ESTIMATED QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
2021.501	MOBILIZATION	L. SUM	1
2231.501	BITUMINOUS PATCHING MIXTURE (1)	TON	-20-16 16
2231.505	MIXTURE FOR JOINTS AND CRACKS	100 lbs	-400-537 537
2231.507	JOINT AND CRACK FILLER (2)	POUND	-400-1950 1950
2357.502	BITUMINOUS MATERIAL FOR TACK COAT (3)	GAL.	-265-250 250
2361.504	ASPHALT CEMENT (4)	TON	-44-274 274
2361.508	WEARING COURSE MIXTURE (5)	TON	-500-456 456
2506.516	CASTING ASSEMBLIES (STEEL ADJ. RINGS) (6)	EACH	9 5
2506.521	INSTALL CASTINGS (7)	EACH	-9-5 5
2506.522	ADJUST FRAME AND RING CASTING (8)	EACH	1
2521.501	4" CONCRETE WALK (9)	S.F.	-40-37 37
2531.502	CONCRETE CURB, DESIGN B6 (9)	L.F.	-12-15 15
504.679	ADJUST VALVE BOX	EACH	-7-6 6
357.601	BITUMINOUS TACK COAT FOR JOINTS & CRACKS (10)	GAL.	-50-155 155

(1) PATCHING SHALL BE PLACED AS DIRECTED BY ENGINEER.

(2) MATERIAL FOR JOINT AND CRACK FILLER TO BE AS SPECIFIED IN M.H.D. 3723 - QUANTITY BASED ON 3300 L.F. JOINT, ADJACENT TO EXISTING CURB.

(3) TACK COAT RATE, 0.03 GAL. PER SQ. YARD (R.C.-250).

(4) A.C. COMPUTED AT 8.5% BY WEIGHT.

(5) BITUMINOUS MIXTURE - 110 lbs. PER SQ. YARD PER INCH OF DEPTH.

(6) STEEL ADJUSTING RING SHALL CONFORM TO STD. PLATE NO. 4108 D. CONTRACTOR SHALL VERIFY RING DIAMETERS REQUIRED.

(7) TOP OF INSTALLED RING SHALL BE FROM 3/8" TO 5/8" BELOW FINISHED SURFACE. CONTRACTOR SHALL VERIFY HEIGHT REQUIREMENT.

(8) CATCH BASIN N.W. CORNER 10th ST. N.W..

(9) N.W. CORNER 10th ST. N.W..

(10) IN ADDITION TO PROVISIONS OF M.H.D. 2331, JOINTS IN EXCESS OF 3/4" WIDE SHALL BE TACKED WITH C.R.S.-1 M.H.D. 2357 PRIOR TO FILLING.

STANDARD PLATES	
PLATE NO.	DESCRIPTION
0002A	SPECIFICATIONS REFERENCE TO STANDARD PLATES
4108 D	MANHOLE ADJUSTING RINGS
7020 H	CONCRETE CURB

S.A.P. NO. 62-677-08 C.T.B. SHEET 2 OF 3 SHEETS

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