

MINNESOTA DEPARTMENT OF TRANSPORTATION SAINT LOUIS COUNTY

CONSTRUCTION PLAN FOR: MILL BITUMINOUS SURFACE, CURB & GUTTER, SIDEWALK SPOT REPLACEMENT,
CONCRETE MEDIANS, WIDENING FOR BUS PULL-OFFS, AND PLANT MIXED
BITUMINOUS SURFACE.

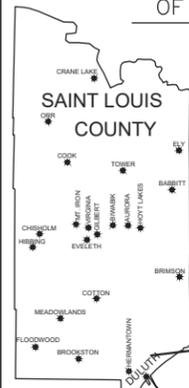
LOCATED ON CSAH 9 (WOODLAND AVE)

BETWEEN CSAH 37 (SINVELY RD) AND ANOKA ST

FROM A POINT APPROXIMATELY 384' WEST AND 3,229' SOUTH TO A POINT APPROXIMATELY 3,649' WEST AND 2,516' NORTH
OF THE NORTHWEST CORNER OF SEC. 12, T50N, R14W. OF THE NORTHWEST CORNER OF SEC. 12, T50N, R14W.

STATE PROJ. NO. SP 069-609-050

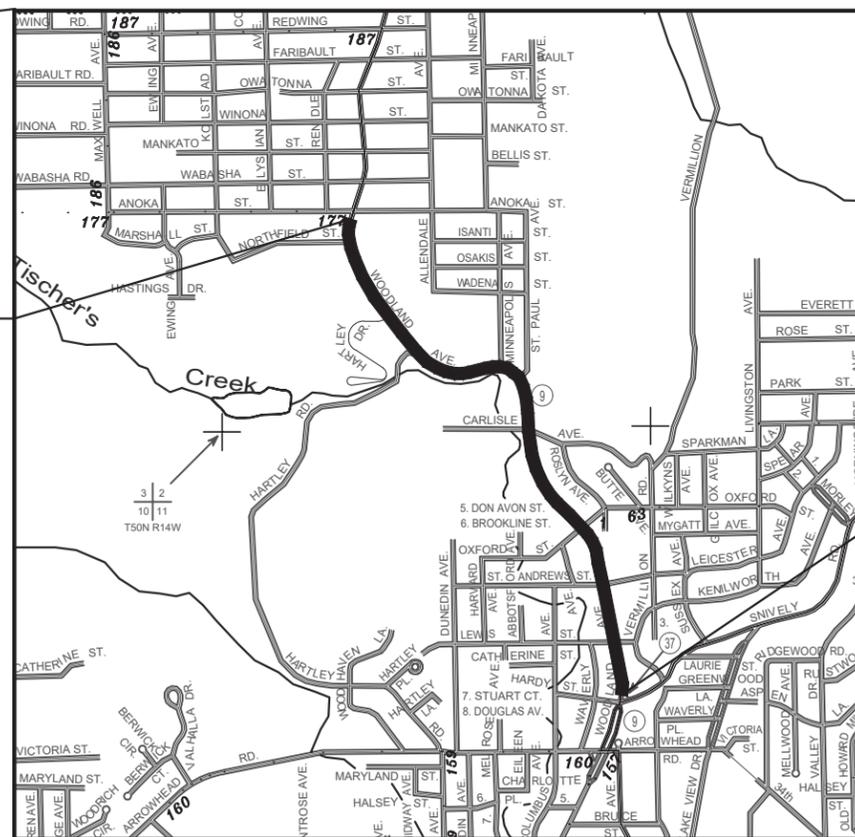
GROSS LENGTH	7,355.00	FEET	1.393	MILES
BRIDGES-LENGTH	0.00	FEET	0.000	MILES
EXCEPTIONS-LENGTH	0.00	FEET	0.000	MILES
NET LENGTH	7,355.00	FEET	1.393	MILES



GENERAL LAYOUT

END SP 069-609-050
STA 81+50

T50N



ST. LOUIS COUNTY
INDEX MAP



BEGIN SP 069-609-050
STA 7+95

INDEX MAP
1.0 mile

PREVIOUS PLANS	
2005	S.P. 69-609-35 C.P. 8267
1980	S.P. 69-609-06 CITY JOB NO. 7413

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

CP 0009-565027
SP 069-609-050

PLAN SYMBOLS

- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING R/W
- NEW R/W
- TEMP EASE
- RAILROAD R/W
- UNSURFACED RD. OR SHLD.
- EDGE OF LAKE
- SWAMP BOUNDARY
- MISCELLANEOUS BOUNDARY
- CORPORATE OR CITY LIMITS
- ALIGNMENT STATIONS
- ALIGNMENT POINTS
- PROPERTY LINES
- VACATED PLATTED PROPERTY
- RIVER OR CREEK
- DRAINAGE DITCH
- BRIDGE
- RECREATIONAL TRAIL
- RAILROAD (SINGLE TRACK)
- RR CROSSING PAVEMENT MARKING
- RR CROSSING SIGNAL AND GATE
- RR CROSSBUCK SIGN
- RR CROSSBUCK SIGN W/LIGHTS
- RR SWITCH
- BARBED WIRE FENCE
- CHAIN LINK FENCE
- WOVEN WIRE, OR WOVEN AND BARB
- WOOD FENCE
- BILLBOARD
- GUARD POST
- RETAINING WALL
- GUARDRAIL (CABLE)
- GUARDRAIL (PLATE BEAM)
- DRAIN TILE
- FLUME
- CULVERT APRON
- CULVERT
- WOODS OR BRUSH, NURSERY
- DECIDUOUS TREES
- CONIFER (EVERGREEN) TREES
- HEDGE
- BUSH OR SHRUB
- STUMP
- SWAMP OR MARSH
- CONCRETE OR STONE MONUMENT
- IRON PIPE
- CAST IRON OR CAPPED PIPE MONUMENT
- HUB
- NAIL OR SPIKE OR PK NAIL
- IRON PIN OR REBAR
- IRON PIN WITH BRASS DISK
- VERTICAL CONTROL
- HORIZONTAL CONTROL
- POWER POLE
- LIGHT POLE
- LIGHT AND TELEPHONE POLE
- LIGHT, TELEPHONE AND POWER POLE
- GUY POLE
- POLE ANCHOR
- TELEPHONE POLE
- TELEPHONE AND POWER POLE
- UNDERGROUND CABLE PEDESTAL
- TELEPHONE OR POWER MANHOLE (VAULT)
- ELECTRIC CABLE IN CONDUIT
- TELEPHONE CABLE IN CONDUIT
- BURIED ELECTRIC CABLE
- BURIED TELEPHONE CABLE
- GAS LINE
- GAS METER
- WATER LINE
- VALVE
- FIRE HYDRANT
- WATER MANHOLE
- WELL
- LAWN SPRINKLER HEAD
- STORM SEWER MANHOLE
- SEPTIC TANK
- SANITARY SEWER MANHOLE
- CATCH BASIN
- FORCE MAIN LIFT STA.
- SEWER LINE
- BARRICADE
- SIGN
- TRAFFIC SIGNAL W/MAST ARM
- PED. PUSH BUTTON STA.
- HAND HOLE
- YARD LIGHT
- ENTRANCE
- BUILDING
- SATELLITE DISH
- STEEL TOWER
- FLAG POLE

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION"

AVAILABLE AT: <http://www.dot.state.mn.us/pre-letting/spec/index.html>

INDEX OF SHEETS

1 TITLE SHEET

- THIS PLAN CONTAINS XX SHEETS -

DESIGN DESIGNATION

R VALUE	10	$\Sigma N1820 =$	351,358
ADT (Current Year)		2023 =	11116
ADT (Future Year)		2043 =	12227
D (Directional Distr.)		=	50/50%
T (Heavy Commercial 3.6%)		=	437
Proj. Soil Factor		=	130 (R=10)
Design Loading	=	9 TON	
Traffic Lanes	=	11.0'	
Center Turn Lane	=	12.0'	
Bike Lanes	=	7.0'	
Functional Class	=	MAJOR COLLECTOR	
Design Speed	=	30 MPH	

DESIGN SQUAD: J. PEARSON

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

PRINT NAME: ISSUED FOR REVIEW

SIGNATURE: _____

DATE: _____ LIC. NO.: 45397

APPROVED: _____ DATE: _____
ST. LOUIS COUNTY HIGHWAY ENGINEER

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE-AID AND FEDERAL RULES/POLICY

STATE AID ENGINEER: APPROVED FOR FEDERAL AND STATE AID FUNDING

SHEET NO. ---- OF XX SHEETS