

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

CONSTRUCTION PLAN FOR: GRADING, STORM SEWER, AGGREGATE BASE, CURB AND GUTTER,
PLANT MIXED BITUMINOUS SURFACE, SIDEWALKS, RETAINING WALLS.

LOCATED ON C.S.A.H. 9 (WOODLAND AVE. & CALVARY RD.)

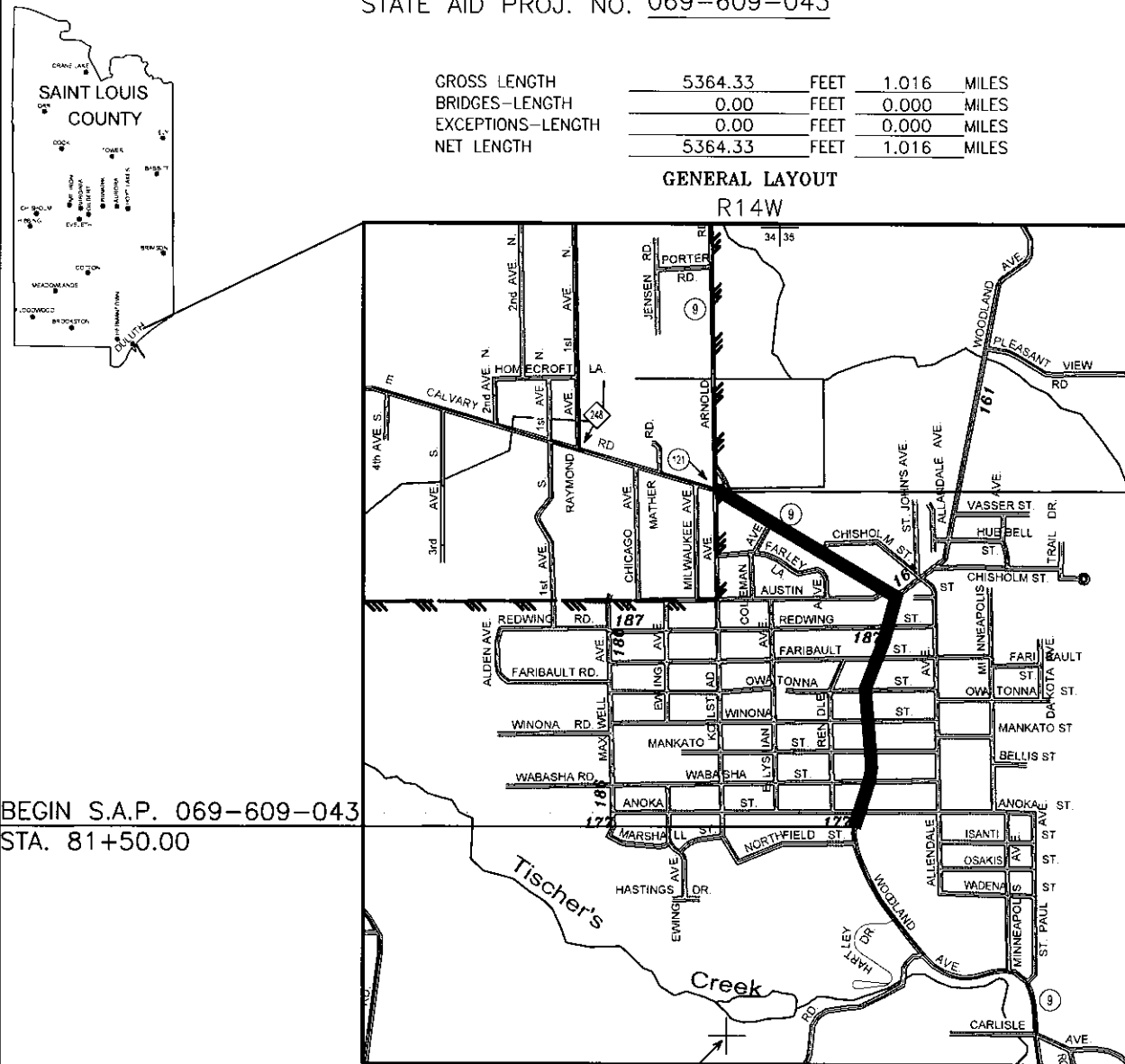
BETWEEN ANOKA ST. AND ARNOLD RD.

FROM A POINT APPROX. 2510' NORTH & 1595' EAST OF THE TO A POINT APPROX. 2652' WEST & 3989' SOUTH OF
SOUTHWEST CORNER OF SEC. 02, T50N, R14W. THE SOUTH 1/4 CORNER OF SEC. 26, T51N, R14W.

STATE AID PROJ. NO. 069-609-043

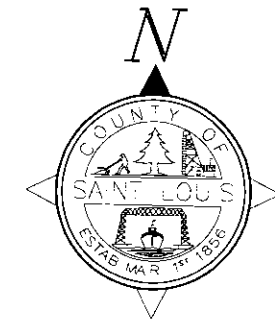
GROSS LENGTH	5364.33	FEET	1.016	MILES
BRIDGES-LENGTH	0.00	FEET	0.000	MILES
EXCEPTIONS-LENGTH	0.00	FEET	0.000	MILES
NET LENGTH	5364.33	FEET	1.016	MILES

GENERAL LAYOUT
R14W



END S.A.P. 069-609-043
STA. 135+14.33

T51N



SCALES		
PLAN	20 ft.	
PROFILE	50 ft. HORIZ.	10 ft. VERT.
INDEX MAP	30 mi.	
GENERAL LAYOUT	0.25 mi.	

[illegible]

PREVIOUS PLANS	

MINN. PROJ. NO.

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN..

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

INDEX OF SHEETS

DESIGN DESIGNATION – URBAN

R VALUE	<u>10</u>	$\Sigma N1820 =$	<u>1,166,852</u>
ADT (Current Year)		2019 =	<u>7,135</u>
ADT (Future Year)		2039 =	<u>7,848</u>
D (Directional Distr.)		=	<u>50/50%</u>
T (Heavy Commercial 3.6%)		=	<u>280</u>
Proj. Soil Factor		=	<u>130 (R=10)</u>
Design Loading	=		<u>10 TON</u>
Traffic Lanes	=		<u>11.0'</u>
Center Turn Lane	=		<u>12.0'</u>
Bike Lanes	=		<u>6.0'</u>
Functional Class	=		<u>Major Collector</u>
Design Speed	=		<u>30 mph</u>

Based on STOPPING Sight Distance

Height Of Eye	3.5'	Height of object	2.0'
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DESIGN DESIGNATION — 8820.9936 (URBAN)

Urban Reconstruction sta. 81+50.00 to 135+14.33

DESIGN SQUAD: SOUTH DESIGN

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: STEPHEN E. KRASAWAY

SIGNATURE:

DATE: _____ C. NO.: 45397

APPROVED: _____ DATE: _____

S. J. S. COLA - G-WAY ENGINEER

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

STATE AD ENGINEER: APPROVED FOR STATE AID FUNDING

STATE AID PRO. NO. 069-609-043	CP 0009-275996
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SHEET 1 OF XXX SHEETS