

CITY OF SHAKOPEE

SCOTT COUNTY, MINNESOTA

PLANS FOR: GRADING, BITUMINOUS SURFACING, ROUNDABOUT,
ADA IMPROVEMENTS AND EROSION CONTROL

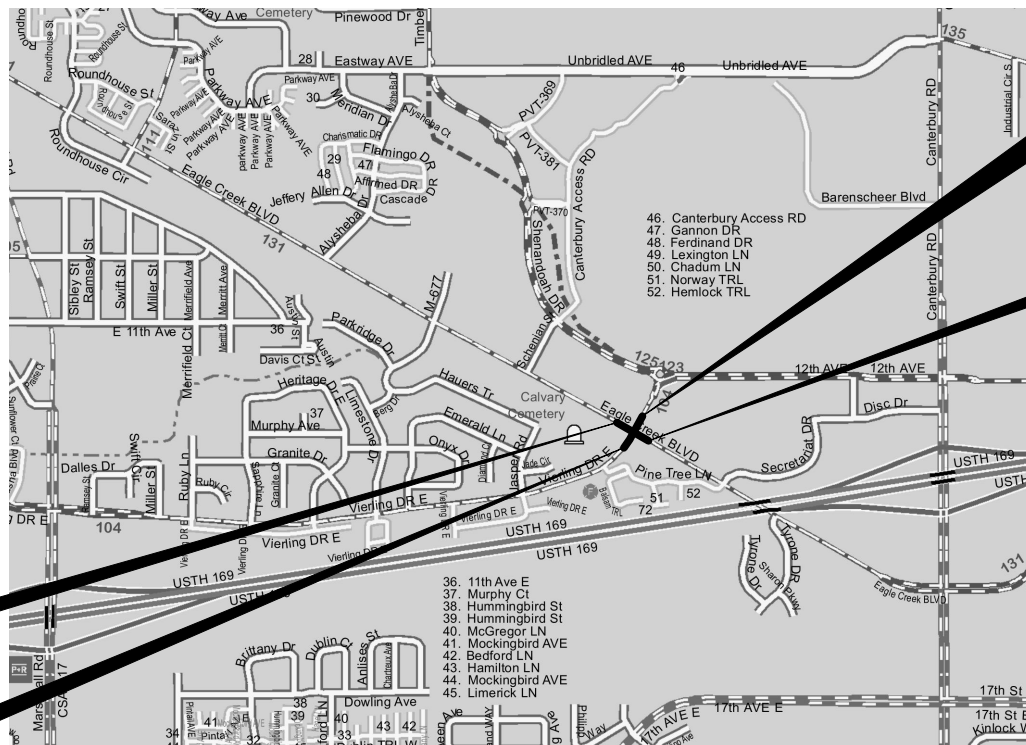
VIERLING DR E & EAGLE CREEK BLVD ROUNDABOUT

CITY PROJECT NO. CIF-20-014.4

166-131-002 LOCATED ON EAGLE CREEK BLVD FROM 433' WEST OF VIERLING DR E TO 582' EAST OF VIERLING DR E

166-104-012 LOCATED ON VIERLING DR E FROM 313' SOUTH OF EAGLE CREEK BLVD TO 423' NORTH OF EAGLE CREEK BLVD

SEC 8 - TOWN 115 - RANGE 22

END CONSTRUCTION
S.A.P. 166-104-012
STA: 110+55.00END CONSTRUCTION
S.A.P. 166-131-002
STA: 218+53.13BEGIN CONSTRUCTION
S.A.P. 166-131-002
STA: 208+13.97BEGIN CONSTRUCTION
S.A.P. 166-104-012
STA: 100+61.18

STATE PROJ. NO. 166-104-012

GROSS LENGTH 993.8 FEET 0.188 MILES
BRIDGE LENGTH N/A FEET N/A MILES
EXCEPTIONS LENGTH N/A FEET N/A MILES
NET LENGTH 993.8 FEET 0.188 MILES

STATE PROJ. NO. 166-131-002

GROSS LENGTH 1039.16 FEET 0.197 MILES
BRIDGE LENGTH N/A FEET N/A MILES
EXCEPTIONS LENGTH N/A FEET N/A MILES
NET LENGTH 1039.16 FEET 0.197 MILESDESIGN DESIGNATION
FOR:

R-VALUE	15
ADT (Current Year) 2024 =	12,200
ADT (Future Year) 2044 =	14,200
PAVEMENT DESIGN	10 TON
FUNCTIONAL CLASSIFICATION	URBAN MAJOR COLLECTOR
NO. OF TRAFFIC LANES	4-12' LANES
NO. OF PARKING LANES	0
ESALS (20)	1,580,000
Design Speed	50 MPH
Based on Sight Distance	STOPPING
Height of eye / Height of Object	3.5' / 2.0'
Design Speed not achieved at:	N/A

EAGLE CREEK BLVD

VIERLING DR E

15	15
12,200	5,700
14,200	7,750
10 TON	10 TON
URBAN MAJOR COLLECTOR	URBAN MAJOR COLLECTOR
4-12' LANES	2-12' LANES
0	0
1,580,000	801,000
50 MPH	30 MPH
STOPPING	STOPPING
3.5' / 2.0'	3.5' / 2.0'
N/A	N/A

PLAN REVISIONS

DATE	SHEET NO.	APPROVED BY

SCALES

INDEX MAP	2000'
GENERAL LAYOUT	200'
PLAN	50'
PROFILE	50' HORIZ. 10' VERT.
X-SECTION	20' HORIZ. 20' VERT.

PROJECT LOCATION
COUNTY : SCOTT
DISTRICT : METRO

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE
WITH THE MOST RECENT EDITION OF "MINNESOTA MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES" (MN MUTCD) AND PART VI, "FIELD MANUAL FOR TEMPORARY
TRAFFIC CONTROL ZONE LAYOUTS".CITY OF SHAKOPEE STANDARD SPECIFICATION FOR UTILITY AND STREET
CONSTRUCTION DATED 2022 SHALL APPLY.

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SHEET NO.	SHEET DESCRIPTION
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2	GENERAL LAYOUT
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6	STANDARD PLATES AND INDEX OF TABULATIONS
7	EARTHWORK TABULATIONS AND SUMMARY
8	SOILS AND CONSTRUCTION NOTES
9	TABULATIONS
10-16	INPLACE UTILITY TABULATIONS AND PLAN
17-24	TYPICAL SECTIONS
25-50	STANDARD PLAN SHEETS
51-57	ALIGNMENT PLAN AND TABULATION
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68-72	CONSTRUCTION PLANS
73-78	PROFILES
79	INTERSECTION DETAILS
80-83	PEDESTRIAN CURB RAMP DETAILS
84-86	LANDSCAPE PLAN
87-91	DRAINAGE AND SUPERELEVATION PLANS
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98-100	STORM WATER POLLUTION PREVENTION PLAN
101-105	EROSION CONTROL & TURF ESTABLISHMENT PLANS
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107-112	TRAFFIC CONTROL PLAN
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117-136	SIGNING AND PAVEMENT MARKING PLANS
137-141	CROSS SECTION MATCH LINE PLAN
142-156	CROSS SECTIONS

THIS PLAN CONTAINS 156 SHEETS

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.SIGNATURE *Eric K. Francen*
DATE 12/08/2023 LIC. NO. 58661 PRINT NAME ERIC K. FRANZENAPPROVED *Alex J. ...* 12/8/23
CITY ENGINEER, CITY OF SHAKOPEE DATEDISTRICT STATE AID ENGINEER: _____ DATE _____
REVIEWED FOR COMPLIANCE WITH STATE AND/OR FEDERAL AID RULES/POLICY

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER _____ DATE _____

PLAN SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT-OF-WAY LINE
PRESENT RIGHT-OF-WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS

TRUNK HIGHWAY CENTER LINE
CONC. RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
MAIL BOX

SPRINGS
MARSH

TIMBER
ORCHARD
BRUSH
NURSERY

CATCH BASIN
FIRE HYDRANT

CATTLE GUARD

OVERPASS (Highway Over)

UNDERPASS (Highway Under)

BRIDGE

BUILDING (One Story Frame)
F-FRAME C-CONCRETE
S-STONE T-TILE
B-BRICK ST-STUCCO

IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITY SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
ON POWER POLES
ON TELEPHONE POLES

ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL (TELEPHONE CABLE
TERMINAL)
GAS MAIN
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER, (SANITARY)
SEWER, (STORM)
SEWER MANHOLE
HANDHOLE

THIS PLAN AND/OR SPECIFICATION WAS PREPARED SPECIFICALLY FOR THIS PROJECT, AND ANY RE-USE OF DETAILS
OR SPECIFICATIONS ON OTHER PROJECTS IS NOT INTENDED OR AUTHORIZED BY THE DESIGNER. LIABILITY FOR
ANY RE-USE ON OTHER PROJECTS IS THE RESPONSIBILITY OF THE PERSON, AGENCY, OR CORPORATION USING
PLAN OR SPECIFICATION DATA FROM THIS PROJECT.THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D.
THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF C/ASCE 38-02.
ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING
SUBSURFACE UTILITY DATA".

S.A.P. 166-104-012, 166-131-002 SHEET NO. 1 OF 156 SHEETS