

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
WALL 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 PILE

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



BEGIN CP CIF-23-016
BEGIN CP 101-21
BEGIN SAP 166-125-002
BEGIN SAP 070-701-013
EX WB CSAH 101
STA. 500+93.86

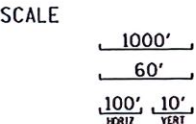
DESIGN DESIGNATION FOR:

R-VALUE
ADT (Current Year) 2022 =
ADT (Future Year) 2045 =
PAVEMENT DESIGN
FUNCTIONAL CLASSIFICATION
NO. OF TRAFFIC LANES
NO. OF PARKING LANES
ESALS (20)
Design Speed
Based on Sight Distance
Height of eye / Height of Object
Design Speed not achieved at:

CSAH 101 SHENANDOAH DR

15	35
16,100 (2022)	4,350 (2022)
19,300 (2045)	6,400 (2045)
10 TON	10 TON
MINOR ARTERIAL	MAJOR COLLECTOR
4	4
0	0
7,164,000 (20 YRS.)	1,407,000 (20 YRS.)
55 MPH	30 MPH
STOPPING	STOPPING
3.5' / 2.0'	3.5' / 2.0'
N/A	N/A

INDEX MAP
PLAN
PROFILE



PROJECT LOCATION
COUNTY : SCOTT
DISTRICT : METRO

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

CITY OF SHAKOPEE

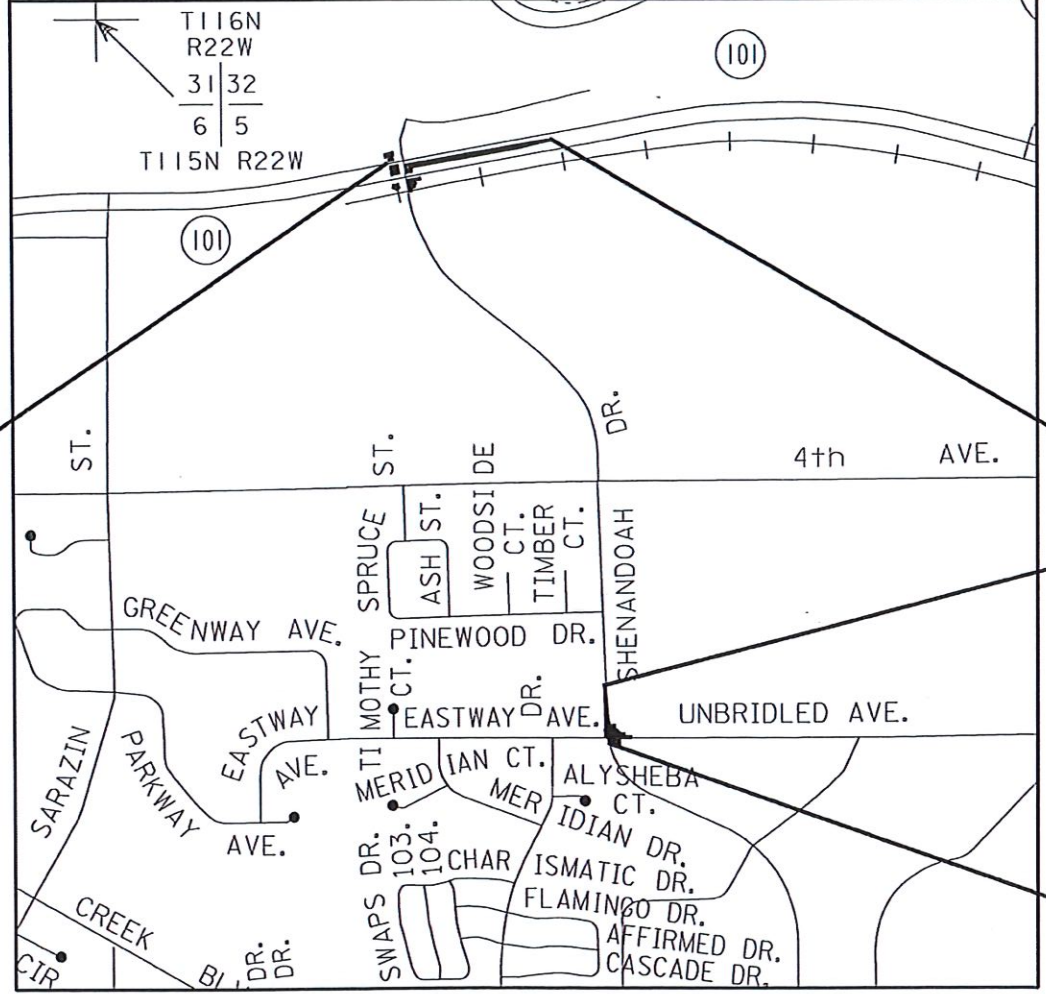
SCOTT COUNTY, MINNESOTA

PLANS FOR: GRADING, STORM SEWER, BITUMINOUS SURFACING, TRAIL, SIGNALS, AND ADA IMPROVEMENTS

CITY PROJECT NO. CIF-23-016 LOCATED ON SHENANDOAH DRIVE FROM UNBRIDLED AVENUE TO CSAH 101

CSAH 101 AND SHENANDOAH DR TRAFFIC SIGNAL & UNBRIDLED AVE TURN LANE IMPROVEMENTS

STATE PROJ. NO. 166-125-002 & 070-701-013				STATE PROJ. NO. 166-125-003			
GROSS LENGTH	885.50	FEET	0.168	MILES	GROSS LENGTH	317.82	FEET
BRIDGES-LENGTH		FEET		MILES	BRIDGES-LENGTH		FEET
EXCEPTIONS-LENGTH		FEET		MILES	EXCEPTIONS-LENGTH		FEET
NET LENGTH	885.50	FEET	0.168	MILES	NET LENGTH	317.82	FEET
REF. POINT 004+00.337 TO REF. POINT 004+00.172				REF. POINT 000+00.820 TO REF. POINT 000+00.878			
LENGTH AND DESCRIPTION BASED UPON (CSAH 101)				LENGTH AND DESCRIPTION BASED UPON (SHENANDOAH DR)			



END CP CIF-23-016
END CP 101-21
END SAP 166-125-002
END SAP 070-701-013
EX WB CSAH 101
STA. 509+79.36

EX NB SHENANDOAH DR
STA 106+94.35
END SAP 166-125-003
END CP CIF-23-016

BEGIN CP CIF-23-016
BEGIN SAP 166-125-003
EX NB SHENANDOAH DR
STA 103+76.53

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' AND THE 'SUPPLEMENTAL SPECIFICATIONS' DATED SEPTEMBER 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE TO THE 'MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (MN MUTCO) AND PART VI, 'FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS'.

CITY OF SHAKOPEE STANDARD SPECIFICATION FOR UTILITY AND STREET CONSTRUCTION.

INDEX

SHEET NO.	SHEET DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3-4	STATEMENT OF ESTIMATED QUANTITIES
5-6	CONSTRUCTION/SOILS NOTES AND STANDARD PLATES
7-9	EARTHWORK SUMMARY, BALANCE, AND TABULATIONS
10-11	EXISTING UTILITY TABULATIONS
12-14	MISCELLANEOUS DETAILS
15-50	STANDARD PLAN SHEETS
51-54	TYPICAL SECTIONS
55-58	ALIGNMENT PLANS AND TABULATIONS
59-68	STAGING AND TRAFFIC CONTROL PLANS
69-70	TOPOGRAPHY AND UTILITY PLANS
71-72	REMOVAL PLANS
73-74	CONSTRUCTION PLANS
75	PROFILES
76-77	INTERSECTION DETAILS
78	PEDESTRIAN CURB RAMP DETAILS
79-80	DRAINAGE AND SUPERELEVATION PLANS
81-85	DRAINAGE TABULATIONS, PROFILES, AND DETAILS
86-89	STORM SEWER TABULATIONS, PROFILES AND DETAILS
90-91	EROSION CONTROL AND TURF ESTABLISHMENT PLANS
92-104	SIGNING AND STRIPING PLAN AND DETAILS
105-114	TRAFFIC SIGNAL PLANS AND DETAILS
115	CONTOUR PLANS
116-117	CROSS SECTION MATCHLINE LAYOUT PLANS
118-128	CROSS SECTIONS

THIS PLAN CONTAINS 128 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 Alysa C. Johnson
DATE 06/08/2023 LIC. NO. 57148 PRINT NAME ALYSA C. JOHNSON

RECOMMENDED FOR APPROVAL CITY ENGINEER, CITY OF SHAKOPEE 7/19/23

RECOMMENDED FOR APPROVAL SCOTT COUNTY ENGINEER 8/7/23

Lucas Lortie Digitally signed by Lucas Lortie Date: 2023.08.07 13:23:27 -05'00'

For DISTRICT STATE AID ENGINEER; REVIEWED FOR COMPLIANCE WITH STATE AND RULES/POLICY

Lucas Lortie Digitally signed by Lucas Lortie Date: 2023.08.07 13:23:52 -05'00'

For APPROVED FOR STATE AND FUNDING; STATE AID ENGINEER

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".

SAP 166-125-002, SAP 070-701-013, SAP 166-125-003
CP CIF-23-016, CP 101-21 SHEET NO. 1 OF 128 SHEETS