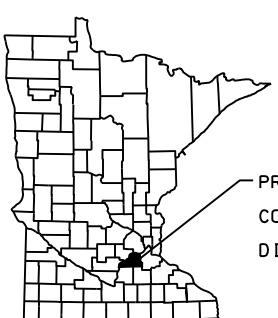
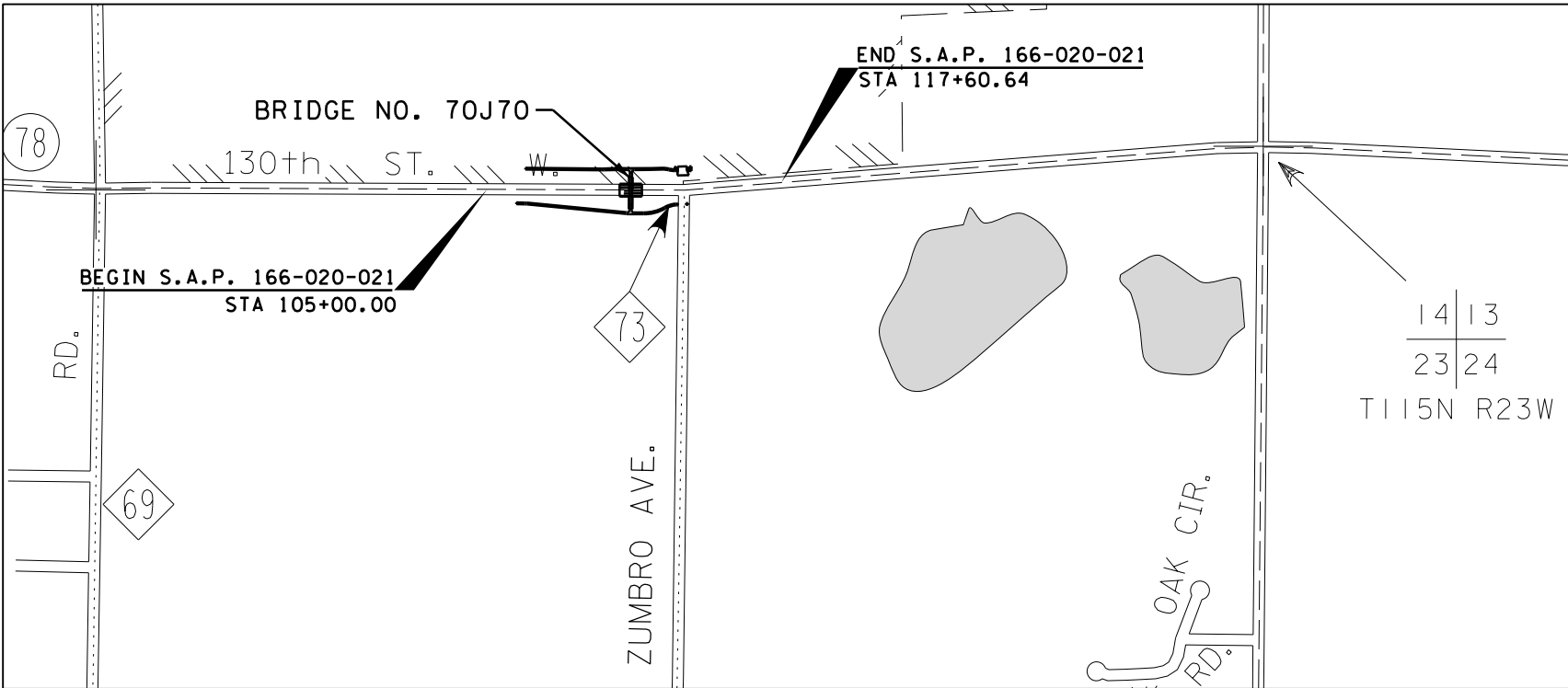


130TH STREET AT ZUMBRO AVENUE PEDESTRIAN UNDERPASS
CITY OF SHAKOPEE, MINNESOTA

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS SURFACING, BITUMINOUS TRAIL, DRAINAGE, SIGNING, AND BRIDGE NO. 70J70
LOCATED ALONG CSAH 78 (130TH STREET) FROM 470 FT EAST OF AQUARIUS AVENUE TO 405 FT EAST OF ZUMBRO AVENUE



PROJECT LOCATION
COUNTY: SCOTT
DISTRICT: METRO

GOVERNING SPECIFICATIONS
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
THE CURRENT VERSION OF THE BICYCLE FACILITY DESIGN MANUAL SHALL GOVERN.
ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST EDITION OF THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3 - 4	STATEMENT OF ESTIMATED QUANTITIES
5	QUANTITY TABULATIONS
6	EARTHWORK TABULATION
7	SOILS & CONSTRUCTION NOTES
8 - 27	STANDARD PLAN
28 - 34	CONSTRUCTION STAGING & TRAFFIC CONTROL
35 - 36	TYPICAL SECTIONS
37 - 38	ALIGNMENT PLAN & TABULATIONS
39 - 41	INPLACE TOPOGRAPHY & UTILITIES
42 - 44	REMOVAL PLAN
45 - 47	CONSTRUCTION PLAN
48 - 49	CONSTRUCTION PROFILES
50	INTERSECTION DETAILS
51 - 52	PAVING PLAN
53 - 57	DRAINAGE PLAN & TABULATIONS
58 - 60	STORMWATER POLLUTION PREVENTION PLAN
61 - 64	TURF ESTABLISHMENT & EROSION CONTROL
65 - 67	SIGNING & STRIPING PLAN
68	LIGHTING PLAN
BR1 - BR8	BRIDGE 70J70 PLAN
X1 - X10	CROSS SECTIONS

THIS PLAN CONTAINS 86 SHEETS.

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



DESIGN ENGINEER: 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.

PRINTED NAME: NICHOLAS E. HENTGES
LICENSE NO. 44620

DIGITAL SIGNATURE

APPROVED: CITY OF SHAKOPEE ENGINEER

DIGITAL SIGNATURE

APPROVED: SCOTT COUNTY ENGINEER

DIGITAL SIGNATURE

APPROVED: STATE AID ENGINEER
REVIEWED FOR COMPLIANCE WITH
STATE AID RULES/POLICY
APPROVED FOR STATE AID FUNDING

DIGITAL SIGNATURE

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THE PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME:
LICENSE NO.:

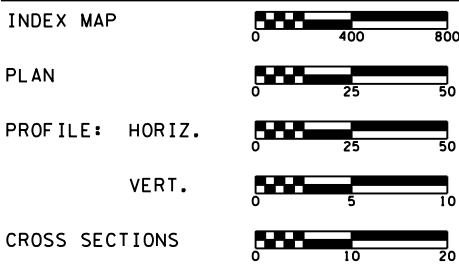
DIGITAL SIGNATURE

S.A.P. 166-020-021, CITY PROJECT PR 24-001
SHEET NO. 1 OF 68 SHEETS

DESIGN DESIGNATION	CSAH 78 (130TH ST) S.A.P. 166-020-021
GROSS LENGTH	1260.64' = 0.239 MILES
BRIDGES-LENGTH	NA
EXCEPTIONS-LENGTH	NA
NET LENGTH	1260.64' = 0.239 MILES
R VALUE	15
ADT (Current Year) 2024	5760
ADT (Future Year) 2044	10270
D (DIRECTIONAL DISTSTR.)	50/50
HEAVY COMMERCIAL	9.68%
ESALS	2,774,000
DESIGN SPEED	55 MPH
BASED ON SIGHT DISTANCE	STOPPING
HEIGHT OF EYE / HEIGHT OF OBJECT	3.5' / 2.0'
NO. OF TRAFFIC LANES	2
NO. OF PARKING LANES	0
SHOULDER WIDTH	4' - 7'
FUNCTIONAL CLASS	MINOR ARTERIAL
TON DESIGN	10
DESIGN SPEED NOT ACHIEVED AT	NA

TRAIL DESIGN DESIGNATION:
DESIGN SPEED (MPH) 20
BASED ON 4.5 FT HEIGHT OF EYE
0.0 FT HEIGHT OF OBJECT

SCALES



PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38/02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."