

PUBLIC WORKS & UTILITIES COMMITTEE

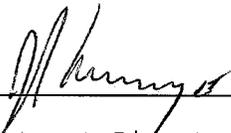
14-0015R

RESOLUTION APPROVING A COUNTY PROJECT WITHIN MUNICIPAL CORPORATE LIMITS FOR IMPROVEMENTS TO COUNTY STATE AID HIGHWAY NO. 89 (57TH AVENUE WEST AND HIGHLAND STREET).

CITY PROPOSAL:

RESOLVED, that plans for project 69-689-004/69-689-010 showing proposed alignments, profiles, grades and cross sections for the construction, reconstruction or improvement of County State Aid Highway No. 89 (57th Avenue West and Highland Street) within the limits of the city as a state aid project have been prepared and presented to the city, and that said plans be in all things approved.

Approved:



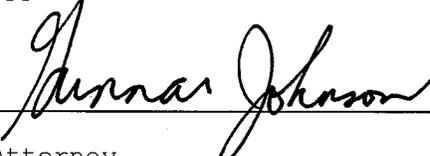
Department Director

Approved for presentation to council:



Chief Administrative Officer

Approved as to form:



Attorney

Approved:



Auditor

ENG CJV:jh 1/2/2014

STATEMENT OF PURPOSE: This resolution will authorize a county project within the city limits to make bridge and roadway improvements on 57th Avenue West and Highland Street in conjunction with improvements being made to the city's sanitary sewer and water systems on 57th Avenue West. This resolution is a requirement for state aid approval of the county's plans.

MINNESOTA DEPARTMENT OF TRANSPORTATION SAINT LOUIS COUNTY

CONSTRUCTION PLAN FOR: GRADING, CULVERTS & STORM SEWER, AGGREGATE BASE, CURB AND
GUTTER, PLANT MIXED BITUMINOUS SURFACE AND SHOULDERS, SIDEWALKS,
RETAINING WALLS, STATE BRIDGE NO. 5393 (COUNTY BRIDGE NO. 812).

LOCATED ON C.S.A.H. 89 (57TH AVE. WEST AND HIGHLAND STREET).
BETWEEN CODY STREET AND 600?' NW OF VINLAND ST. AND SKYLINE PARKWAY
FROM A POINT 354.24' SOUTH AND 1387.10' EAST OF TO A POINT 644.80' NORTH AND 1096.19' WEST OF
THE WEST 1/4 CORNER OF SEC. 7, T49N, R14W THE SOUTH 1/4 CORNER OF SEC. 1, T49N, R15W

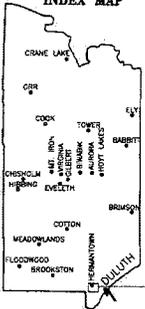
STATE AID PROJECT NO. 069-689-004 (ROAD), 069-689-010 (BRIDGE)

GROSS LENGTH	8050	FEET	1.525	MILES
BRIDGES-LENGTH	175	FEET	0.033	MILES
EXCEPTIONS-LENGTH	0.00	FEET	0.000	MILES
NET LENGTH	8050	FEET	1.525	MILES

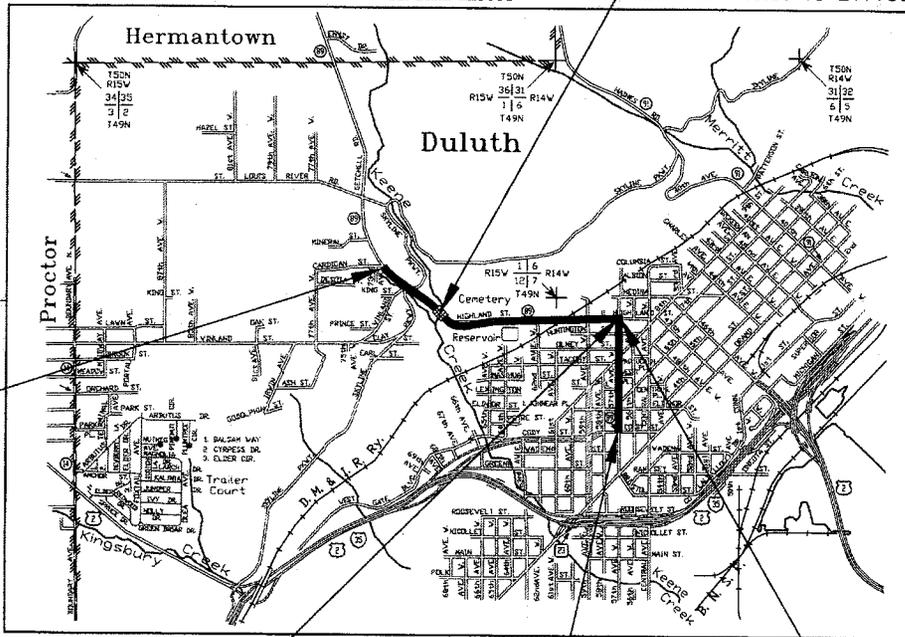
REMOVE BRIDGE NO. 5393
(ST. LOUIS CO. BR. NO. 812)
CONSTRUCT BRIDGE NO. 69A18
S.A.P. 069-689-010
STA. 239+48.36 TO 241+36.57



SAINT LOUIS COUNTY
INDEX MAP



GENERAL LAYOUT



END PROJECT:
S.A.P. 069-689-004
HIGHLAND STREET
STA. 255+75.00

SCALES	
PLAN	20 ft.
PROFILE	50 ft. HORIZ. 10 ft. VERT.
INDEX MAP	25 mi.
GENERAL LAYOUT	0.25 mi.

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

BEGIN STA. RANGE:
S.A.P. 069-689-004
HIGHLAND STREET
STA. 200+40.53

BEGIN PROJECT:
S.A.P. 069-689-004
57TH AVE. WEST
STA. 10+00.00

END STA. RANGE:
S.A.P. 069-689-004
57TH AVE. WEST
STA. 35+14.93

GOVERNING SPECIFICATIONS

THE 2014 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2014 EDITION OF THE "MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
AVAILABLE AT: <http://www.dot.state.mn.us/pre-letting/spec/index.html>

THE 2014 EDITION OF THE ST. LOUIS COUNTY PUBLIC WORKS DEPARTMENT "STANDARD CONSTRUCTION SPECIFICATIONS" SHALL APPLY.

INDEX OF SHEETS

1	TITLE SHEET
2-4	ESTIMATED QUANTITIES
5	STANDARD PLATES, BASIS FOR ESTIMATED QUANTITIES
6	EARTHWORK SUMMARY
7-11	TYPICAL SECTIONS, SUPERELEVATION
12-22	CONSTRUCTION DETAILS
23-39	TABULATION OF ESTIMATED QUANTITIES
40-63	STORM SEWER PLAN AND DETAILS
64-70	TRAFFIC CONTROL
71-82	STRIPING, SIGNING AND GUARDRAIL PLAN
83-99	PLAN SHEETS
100-116	PROFILE SHEETS
117-136	EROSION CONTROL PLAN AND DETAILS (SWPPP)
137-151	LIGHTING PLANS
150-210	CROSS SECTIONS
RW1-RW25	RETAINING WALL PLANS
B1-B33	BRIDGE NO. 5393 PLANS

- THIS PLAN CONTAINS 270? SHEETS -

DESIGN DESIGNATION - 8820.9936 (URBAN)

R VALUE	.10	ΣN1820	=	870,670
ADT (Current Year)	2014	=	5243	
ADT (Future Year)	2034	=	6292	
D (Directional Distr.)		=	50/50%	
T (Heavy Commercial)		=	6%	
Proj. Soil Factor		=	130	
Traffic Lanes	=	11'	Sta 10+00-35+14.93, 200+40.53-218+07	
Traffic Lanes	=	12'	Sta 218+07 to 258+00	
Shoulder Width	=	8'	Sta 10+00-35+14.93, 200+40.53-218+07	
Shoulder Width	=	6'	Sta 218+07 to 258+00	
Design Loading	=	10 TON		
Functional Class	=	Collector (57th Ave. W.)		
Functional Class	=	Minor Arterial (Highland St., Gatchell Rd.)		
Design Speed	=	30 mph		

Based on STOPPING Sight Distance
Height of Eye 3.5' Height of object 2.0'

DESIGN SQUAD: WAYNE BERGSTEDT, DARRELL MILLER, MARK ROMANO

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: _____ LIC. NO.: 45397

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

APPROVED: _____ DATE: _____
CITY OF DULUTH

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

RECOMMENDED FOR APPROVAL: STATE BRIDGE ENGINEER

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

S.A.P. 069-689-010 STORM W.O. ?????? C.P. 0089-183085 (BRIDGE) S.A.P. 069-689-004 STORM W.O. ?????? C.P. 0089-176509 (ROAD)

SHEET NO. 1 OF ??? SHEETS