

MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS & CONCRETE SURFACING, CONCRETE PAVEMENT REHABILITATION, ADA IMPROVEMENTS, LIGHTING, AND TRAFFIC SIGNALS  
LOCATED ON TH 194 FROM 150' NORTH OF TH 35 TO 400' NORTH OF CENTRAL ENTRANCE  
LOCATED ON TH 35 FROM 180' NORTH OF S.16TH AVE. E. TO 150' SOUTH OF S.17TH AVE. E.

|                                               |                                                |                                                    |
|-----------------------------------------------|------------------------------------------------|----------------------------------------------------|
| STATE PROJ. NO. 6933-97                       | STATE PROJ. NO. 6982-325                       | S.A.P. 069-604-082                                 |
| GROSS LENGTH.....7157.57 FEET 1.356 MILES     | GROSS LENGTH.....130.00 FEET 0.025 MILES       | GROSS LENGTH.....249.11 FEET 0.047 MILES           |
| BRIDGES-LENGTH.....396.55 FEET 0.075 MILES    | BRIDGES-LENGTH.....FEET.....MILES              | BRIDGES-LENGTH.....FEET.....MILES                  |
| EXCEPTIONS-LENGTH.....396.55 FEET 0.075 MILES | EXCEPTIONS-LENGTH.....FEET.....MILES           | EXCEPTIONS-LENGTH.....FEET.....MILES               |
| NET LENGTH.....6761.02 FEET 1.281 MILES       | NET LENGTH.....130.00 FEET 0.025 MILES         | NET LENGTH.....249.11 FEET 0.047 MILES             |
| REF. POINT 17+00.273 TO REF. POINT 15+00.917  | REF. POINT 258+00.574 TO REF. POINT 258+00.599 | LENGTH IS BASED ON CSAH 4 NB (TH 194 NB) ALIGNMENT |
| LENGTH IS BASED ON TH 194 NB ALIGNMENT        |                                                |                                                    |

FED. PROJ. NO. STPF-NHPP 6918(127)

GOVERNING SPECIFICATIONS

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

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THIS PLAN CONTAINS 252 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.

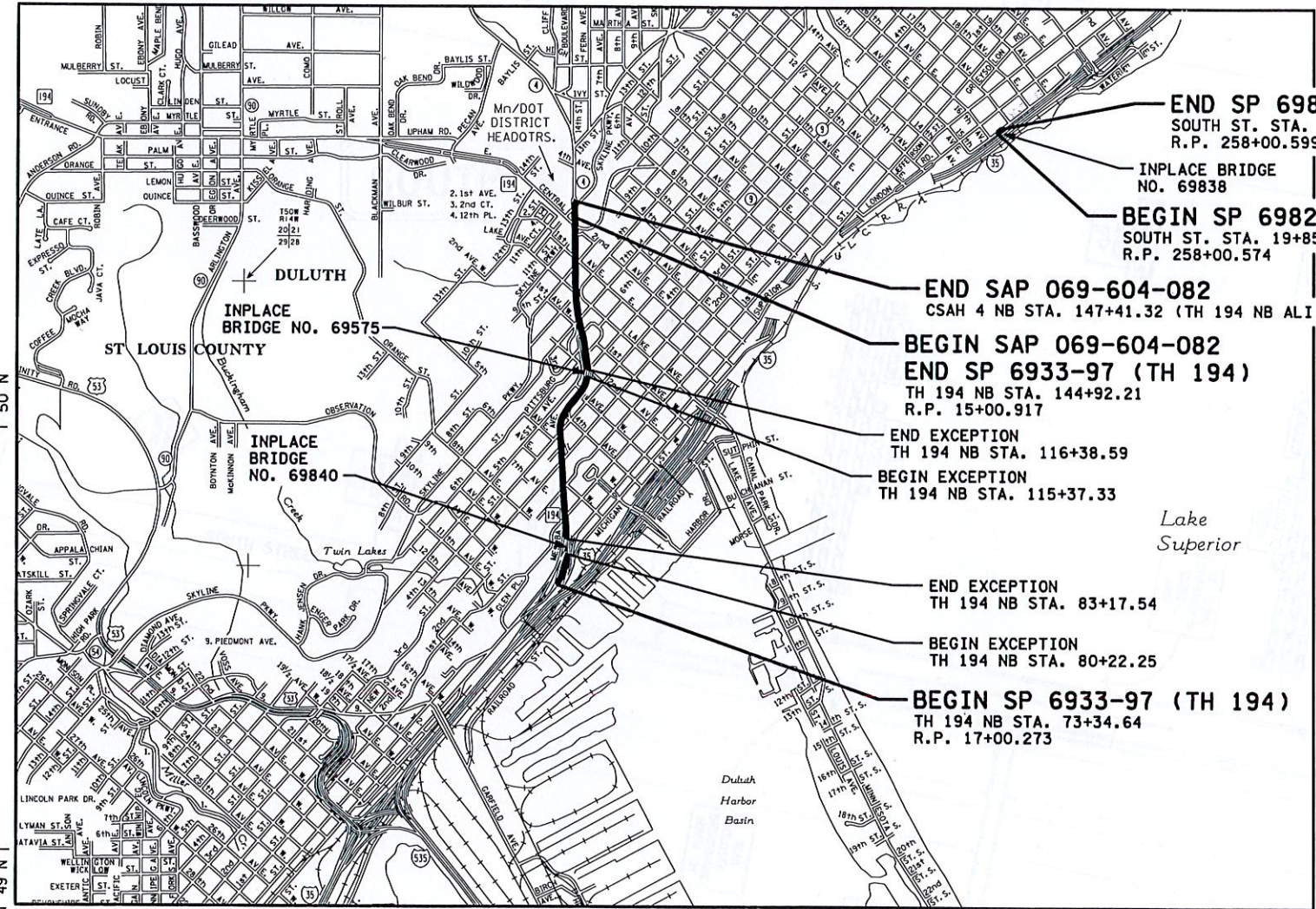


SIGNATURE: \_\_\_\_\_  
PRINTED NAME: JEFFREY A. HILDEN  
DATE: 12/6/2017 LIC. NO. 20781

|                                              |    |
|----------------------------------------------|----|
| RECOMMENDED FOR APPROVAL                     | 20 |
| CITY OF DULUTH ENGINEER                      |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| ST. LOUIS COUNTY ENGINEER                    |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| DISTRICT TRANSPORTATION ENGINEER             |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| DISTRICT MATERIALS ENGINEER                  |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| DISTRICT WATER RESOURCES/HYDRAULICS ENGINEER |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| DISTRICT TRAFFIC ENGINEER                    |    |
| RECOMMENDED FOR APPROVAL                     | 20 |
| STATE PRE-LETTING ENGINEER                   |    |
| OFFICE OF LAND MANAGEMENT APPROVAL           | 20 |
| DIRECTOR, LAND MANAGEMENT                    |    |
| APPROVED                                     | 20 |
| STATE DESIGN ENGINEER                        |    |

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS 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.

DATE \_\_\_\_\_ LIC. NO. \_\_\_\_\_



SCALES

|                |       |
|----------------|-------|
| PLAN           | 25'   |
| INDEX MAP      | 1500' |
| GENERAL LAYOUT | 375'  |

DESIGN DESIGNATION

|                         |          |                               |                         |
|-------------------------|----------|-------------------------------|-------------------------|
| ADT (CURRENT YEAR) 2015 | = 24,400 | DESIGN SPEED                  | 30 MPH                  |
| ADT (FUTURE YEAR)       | =        | BASED ON                      | STOPPING SIGHT DISTANCE |
| DHV (DESIGN HR. VOL.)   | =        | HT OF EYE                     | 3.5' HT OF OBJECT 2.0'  |
| D (DIRECTIONAL DISTR.)  | = %      | DESIGN SPEED NOT ACHIEVED AT: |                         |
| T (HEAVY COMMERCIAL)    | = %      | STA. TO STA.                  | MPH                     |
|                         |          | STA. TO STA.                  | MPH                     |

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

|                 |                   |
|-----------------|-------------------|
| STATE PROJ. NO. | CHARGE IDENTIFIER |
| 6933-97         |                   |
| 6982-325        |                   |



PROJECT LOCATION  
COUNTY: ST. LOUIS  
DISTRICT: 1

#1520

S.P. 6982-325 (TH 35 = 103) S.A.P. 069-604-082  
S.P. 6933-97 (TH 194 = 204) SHEET NO. 1 OF 250 SHEETS

DATE: 12/6/2017 TIME: 10:23:29 AM  
FILENAME: K:\g-m\mndot\5898000\my-brdg\SP\_6933-95\_TH-194\Sheets-97-CPR\cd6933397\_f1adgn