LAYOUT HISTORY

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LAYOUT No. 1 PART 1 OF 2
T.H. 494 VICINITY OF BLOOMINGTON, RICHFIELD
AND EDINA
FROM C.S.A.H. 28 (E. BUSH LAKE RD.) TO 12TH AVE
Prepared MARCH 2021 Scale: Hor. 1 inch = 100 ft.
By Short Elliott Hendrickson Inc.

The alignment and grades shown on this map are tentative and subject to change without notice.	Staff Approval Date:	The traffic volumes shown are estimated for year 2040. From: "I-494: Airport to Highway 169 Build Alternatives Traffic Forecast Technical Memorandum". Prepared April 16, 2019.

S.P. 2785-424 T.H. 494 JOB ______ PPMS Activity ______

Copy To: ______ For: ______

DESIGN FILE: S:\KO\M\Mntmd\145574\4-prelim-dsgn-rpts\43-prelim-dsgn\Project 1\Project 1.Layout\CP2785424_Project 1 Lyt.dgn
DATE: 3/17/2021

Level 1 LAYOUT APPROVAL

Programmed Letting Date ______

Prepared By ______ 20__
District Design or Preliminary Design Engineer

Reviewed By ______ 20__
District Traffic Engineer

Reviewed By ______ 20__
State Geometrics Engineer

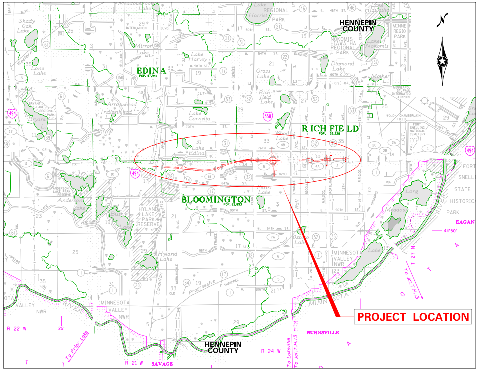
Approved By ______ 20__
Transportation District Engineer

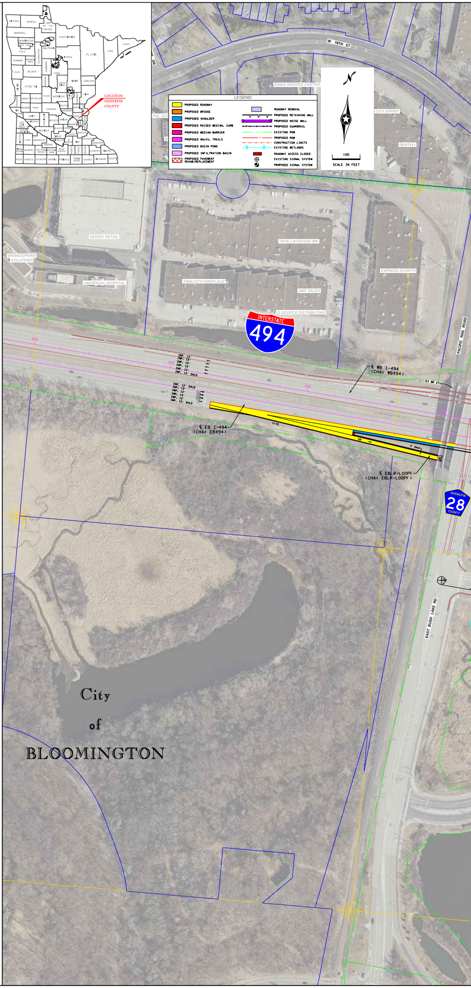
Approved By ______ 20__
State Design Engineer

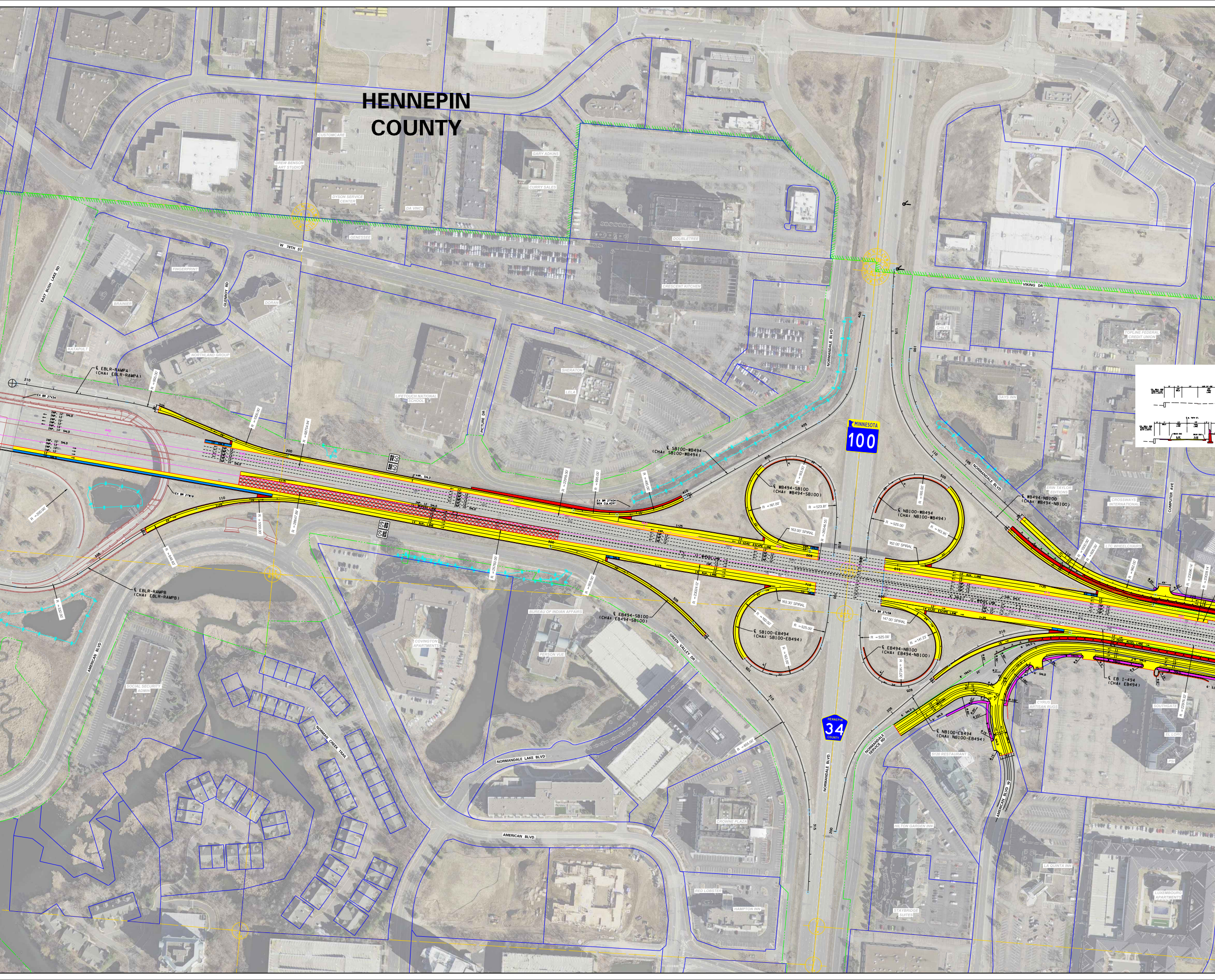
I hereby certify that this layout was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: ______ Lic. No. ______
Licensed Professional Engineer

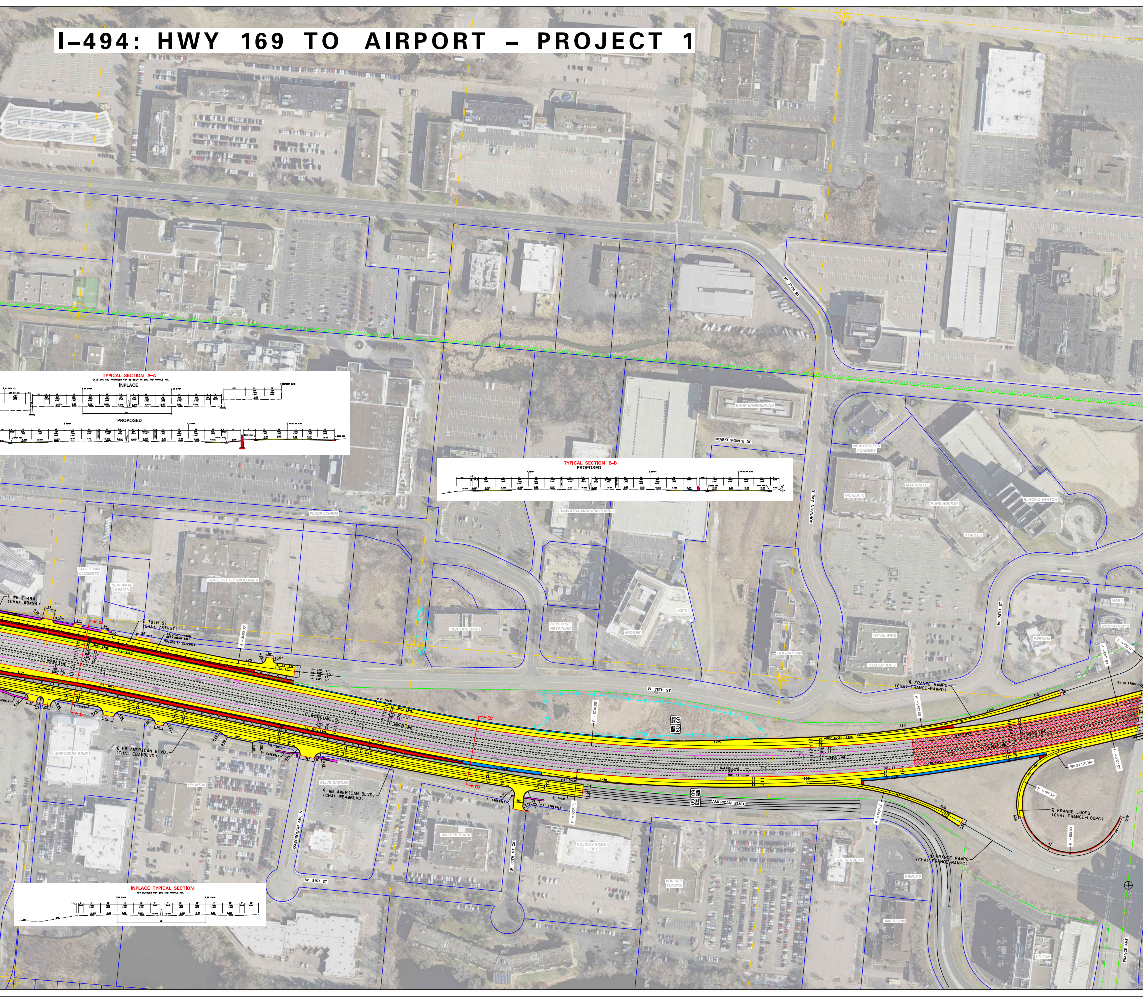
Printed Name: ______ Date: ______

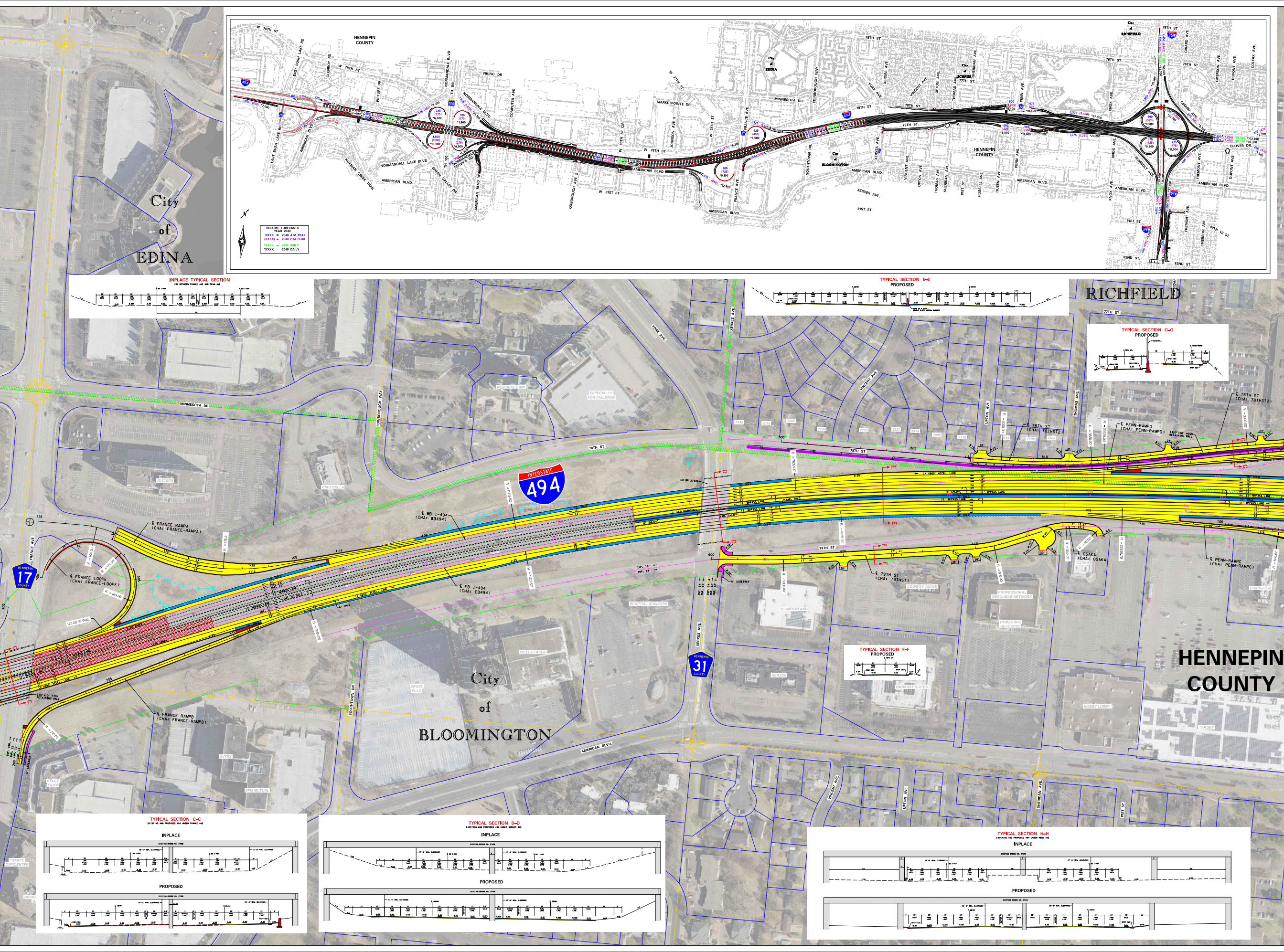

EDINA
POP. 47,941
RICHFIELD
POP. 35,228
BLOOMINGTON
POP. 82,893
HENNEPIN COUNTY
BURNSVILLE
EAGAN
SAVAGE
MINNESOTA VALLEY NWR
PROJECT LOCATION
R 22 W
R 21 W
R 24 W

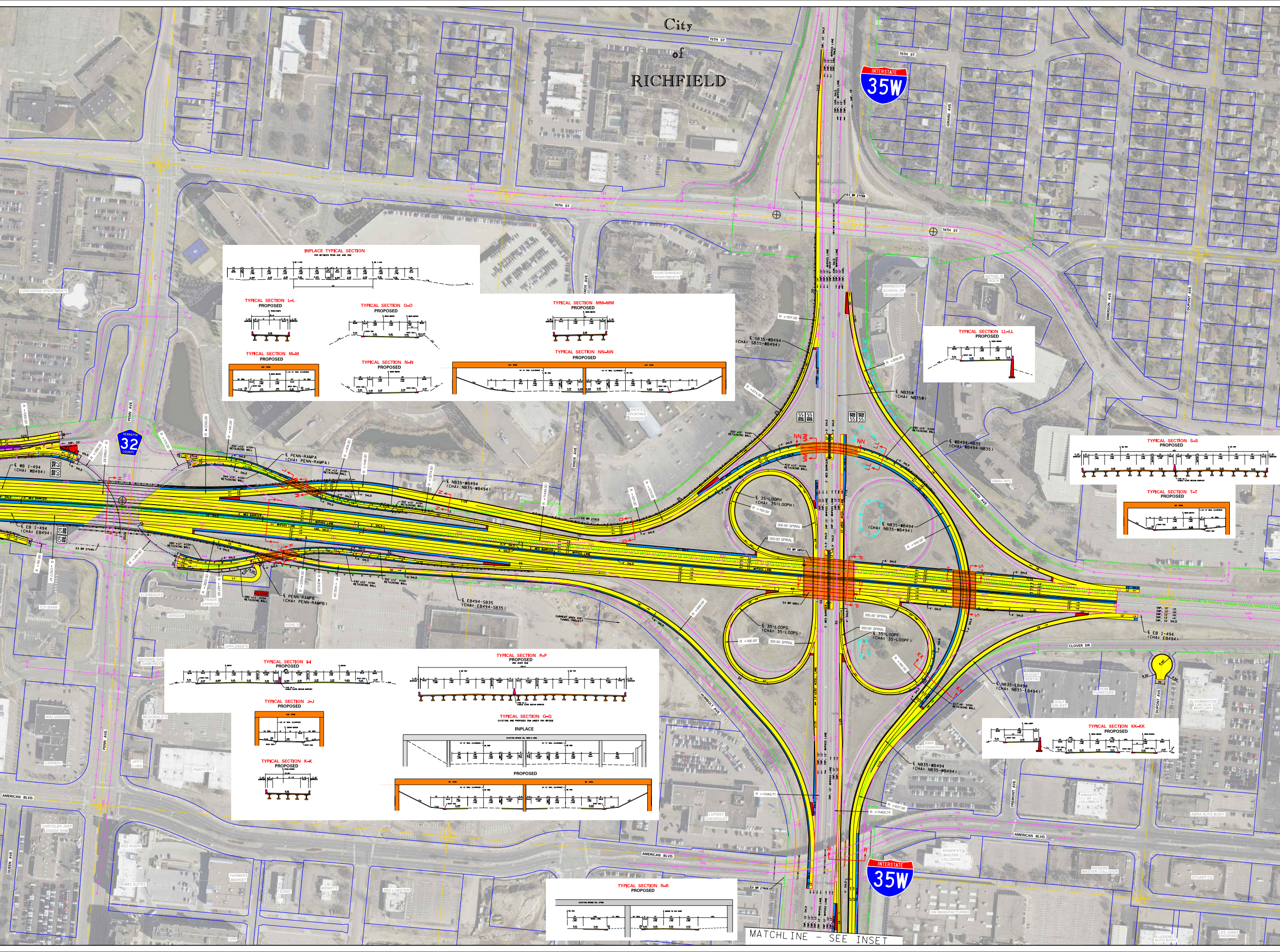

LOCATION: HENNEPIN COUNTY
LEGEND
PROPOSED ROADWAY
PROPOSED BRIDGE
PROPOSED SHOULDER
PROPOSED RAISED MEDIAN, CURB
PROPOSED MEDIAN BARRIER
PROPOSED WALKS, TRAILS
PROPOSED BASIN POND
PROPOSED INFILTRATION BASIN
PROPOSED PAVEMENT REHAB/REPLACEMENT
ROADWAY REMOVAL
PROPOSED RETAINING WALL
PROPOSED NOISE WALL
PROPOSED GUARDRAIL
EXISTING ROW
PROPOSED ROW
CONSTRUCTION LIMITS
EXISTING WETLANDS
ROADWAY ACCESS CLOSED
EXISTING SIGNAL SYSTEM
PROPOSED SIGNAL SYSTEM
100
SCALE IN FEET
W 78TH ST
EDINA SERVICE CENTER
CITY SPRINT
RENT411
VERISK RETAIL
TRUE LACROSSE MN
BRANDSPRING SOLUTIONS
UNIVERSAL HOSPITAL
TWIN CITY FIREPLACE
DNR SALES
EXPRESS SCRIPTS
INTERSTATE 494
℄ WB I-494 (CHA: WB494)
℄ EB I-494 (CHA: EB494)
℄ EBLR-LOOPF (CHA: EBLR-LOOPF)
HENNEPIN COUNTY 28
PACIFIC RAIL ROAD
EAST BUSH LAKE RD
City of BLOOMINGTON

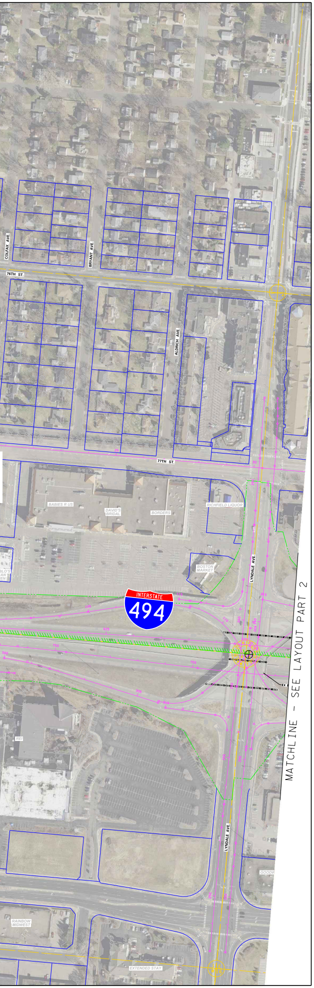

HENNEPIN
COUNTY
MINNESOTA
100
HENNEPIN
34
COUNTY
W 78TH ST
VIKING DR
EAST BUSH LAKE RD
GLENROY RD
PICTURE DR
NORMANDALE BLVD
COMPUTER AVE
AMERICAN BLVD
GREEN VALLEY DR
NORMANDALE LAKE BLVD
NORMAN CREEK TRAIL
NORMANDALE SERVICE RD
AMERICAN BLVD W
CUSTOMCARE
DREW BENSON ART STUDIO
DYSON SERVICE CENTER
DA VINCI
GARY ADKINS
CURRY SALES
GENESSEE
DOUBLETREE
CRESCENT KITCHEN
FINGERPRINT
BRAINIER
DORAN
KATAPULT
NORTHLAND GROUP
LIFETOUCH NATIONAL SCHOOL
SHERATON
LELA
CHILI'S
TOPLINE FEDERAL CREDIT UNION
DAYS INN
ERIN TAYLOR EDITIONS
CROSSWAYS INTERNATIONAL
LTC WHEELCHAIRS
BUREAU OF INDIAN AFFAIRS
COVINGTON APARTMENTS
PERSON VUE
SOCIAL SECURITY ADMIN
CYRUS ARTISAN RUGS
SOUTHGATE
EL LOBO
5120 RESTAURANT
CROWNE PLAZA
HILTON GARDEN INN
LA QUINTA INN
RED LOBSTER
HAMPTON INN
STAYBRIDGE SUITES
LUXEMBOURG APARTMENTS
℄ EBLR-RAMPA (CH℄ EBLR-RAMPA)
℄ EBLR-RAMPB (CH℄ EBLR-RAMPB)
℄ SB100-WB494 (CH℄ SB100-WB494)
℄ WB494-SB100 (CH℄ WB494-SB100)
℄ NB100-WB494 (CH℄ NB100-WB494)
℄ WB494-NB100 (CH℄ WB494-NB100)
℄ EB494-SB100 (CH℄ EB494-SB100)
℄ SB100-EB494 (CH℄ SB100-EB494)
℄ EB494-NB100 (CH℄ EB494-NB100)
℄ NB100-EB494 (CH℄ NB100-EB494)
℄ EB I-494 (CH℄ EB494)
R =161.00'
R =523.81'
R =525.00'
R =160.00'
R =165.00'
163.00' SPIRAL
162.00' SPIRAL
163.30' SPIRAL
147.00' SPIRAL
ESCAPE LANE
AUX. LANE
EX BR 27V34
EX BR 27819
EX BR 27V39
EX BR 27X04

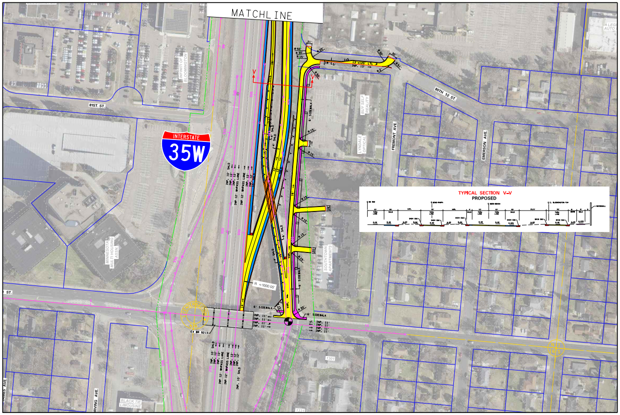
I-494: HWY 169 TO AIRPORT – PROJECT 1


TYPICAL SECTION A–A
EXISTING AND PROPOSED 494 BETWEEN TH 100 AND FRANCE AVE
INPLACE
PROPOSED
TYPICAL SECTION B–B
PROPOSED
INPLACE TYPICAL SECTION
494 BETWEEN HWY 100 AND FRANCE AVE
W 77TH ST
BARR ENGINEERING
MARKETPOINTE DR
JOHNSON AVE S
NEW HORIZON ACADEMY
MICHAELS
MARSHALLS
PURE HOCKEY
BLACK & VEATCH
STAPLES
FUDDRUCKERS
HIAWATHA MANUFACTURING
CALIFORNIA CLOSESTS
NEW WAVE DESIGN
RUDOLPH TECHNOLOGIES
VENTURE BANK
KEYSTONE RETAINING
APOGEE
IKE'S
HOLIDAY INN
TOTAL WINE
TRADER JOE'S
W 78TH ST
PERKINS
MOBIL
GODFATHER'S
℄ WB I-494 (CHA: WB494)
℄ 78TH ST (CHA: 78THST)
1910'x10' HIGH RETAINING WALL
INPLACE 5' SIDEWALK
12' AUX. LANE
4' SHLD
R =3000.00'
R =5718.06'
R =5806.05'
R =2963.00'
R =6015.99'
R =160.17'
R =5803.05'
R =187.34'
R =190.00'
R =1000.00'
190.00' SPIRAL
EX BR 27892
℄ EB AMERICAN BLVD. (CHA: EBAMBLVD)
℄ WB AMERICAN BLVD. (CHA: WBAMBLVD)
℄ FRANCE RAMPD (CHA: FRANCE-RAMPD)
℄ FRANCE RAMPC (CHA: FRANCE-RAMPC)
℄ FRANCE LOOPG (CHA: FRANCE-LOOPG)
14'x600' ACCEL. LANE
1:70 TAPER
10' SHLD
5' SIDEWALK
6' SHLD
AMERICAN BLVD.
MERCEDES-BENZ
HYUNDAI
OLIVE GARDEN
OXBOROUGH AVE S
W 81ST ST
W 80TH ST CIR
WALSER BUICK
HOLIDAY HOME OFFICE
WALSER TOYOTA
JOE SENSER'S
DENNY'S
AMERICINN
HILTON
FRANCE AVE


HENNEPIN COUNTY
City of EDINA
City of BLOOMINGTON
City of RICHFIELD
494
VOLUME FORECASTS YEAR 2040
XXXX = 2040 A.M. PEAK
(XXXX) = 2040 P.M. PEAK
*XXXX = 2019 DAILY
*XXXX = 2040 DAILY
INPLACE TYPICAL SECTION
494 BETWEEN FRANCE AVE AND PENN AVE
TYPICAL SECTION E–E
PROPOSED
RICHFIELD
TYPICAL SECTION G–G
PROPOSED
MINNESOTA DR
EDINBOROUGH WAY
78TH ST
YORK AVE
XERXES AVE
VINCENT AVE
UPTON AVE
THOMAS AVE
78TH ST (CHA: 78THST2)
PENN-RAMPD (CHA: PENN-RAMPD)
INTERSTATE 494
WB I-494 (CHA: WB494)
EB I-494 (CHA: EB494)
FRANCE RAMPA (CHA: FRANCE-RAMPA)
FRANCE LOOPE (CHA: FRANCE-LOOPE)
FRANCE RAMPB (CHA: FRANCE-RAMPB)
FRANCE AVE
HENNEPIN 17 COUNTY
79TH ST
79TH ST (CHA: 79THST)
OSAKA (CHA: OSAKA)
PENN-RAMPC (CHA: PENN-RAMPC)
HENNEPIN 31 COUNTY
SOUTHTOWN DR
AMERICAN BLVD
HENNEPIN COUNTY
TYPICAL SECTION F–F
PROPOSED
SHERIDAN AVE
81ST ST
TYPICAL SECTION C–C
EXISTING AND PROPOSED 494 UNDER FRANCE AVE
INPLACE
PROPOSED
TYPICAL SECTION D–D
EXISTING AND PROPOSED 494 UNDER XERXES AVE
INPLACE
PROPOSED
TYPICAL SECTION H–H
EXISTING AND PROPOSED 494 UNDER PENN AVE
INPLACE
PROPOSED


City
of
RICHFIELD
75TH ST
76TH ST
INTERSTATE 35W
GIRARD AVE
EMERSON AVE
DUPONT AVE
KNOX AVE
PENN AVE
HENNEPIN 32 COUNTY
HUMBOLDT AVE
FREMONT AVE
QUEEN AVE
CLOVER DR.
AMERICAN BLVD
INPLACE TYPICAL SECTION
TYPICAL SECTION L-L PROPOSED
TYPICAL SECTION O-O PROPOSED
TYPICAL SECTION MM-MM PROPOSED
TYPICAL SECTION M-M PROPOSED
TYPICAL SECTION N-N PROPOSED
TYPICAL SECTION NN-NN PROPOSED
TYPICAL SECTION LL-LL PROPOSED
TYPICAL SECTION S-S PROPOSED
TYPICAL SECTION T-T PROPOSED
TYPICAL SECTION I-I PROPOSED
TYPICAL SECTION P-P PROPOSED
TYPICAL SECTION J-J PROPOSED
TYPICAL SECTION Q-Q EXISTING AND PROPOSED 35W UNDER 494 BRIDGE
INPLACE
PROPOSED
TYPICAL SECTION K-K PROPOSED
TYPICAL SECTION KK-KK PROPOSED
TYPICAL SECTION R-R PROPOSED
℄ WB I-494 (CHA: WB494)
℄ EB I-494 (CHA: EB494)
℄ SB35-WB494 (CHA: SB35-WB494)
℄ NB35W (CHA: NB35W)
℄ WB494-NB35 (CHA: WB494-NB35)
℄ NB35-WB494 (CHA: NB35-WB494)
℄ 35-LOOPH (CHA: 35-LOOPH)
℄ 35-LOOPG (CHA: 35-LOOPG)
℄ 35-LOOPF (CHA: 35-LOOPF)
℄ NB35-EB494 (CHA: NB35-EB494)
℄ EB494-SB35 (CHA: EB494-SB35)
℄ PENN-RAMPA (CHA: PENN-RAMPA)
℄ PENN-RAMPB (CHA: PENN-RAMPB)
300.00' SPIRAL
CURRENT KNOX AVE. TUNNEL PROJECT
CONCIERGE APARTMENTS
FOUNTAINHEAD APARTMENTS
MINNESOTA SCHOOL OF BUSINESS
BETHEL'S ROCK
DICK'S SPORTING GOODS
GMAC RFC
STARBUCKS
PANDA EXPRESS
TCF BANK
VERIZON
KOHL'S
APPLEBEE'S
WEDDING DAY DIAMONDS
WALGREENS
MCDONALD'S
CARIBOU
JIFFY LUBE
PARTY CITY
CHRYSLER JEEP DODGE RAM
RED ROBIN
HOME2 SUITES
FARMERS MARKET
SONIC
WENDY'S
RED LOBSTER
LUPIENT CHEVROLET
BMW MOTORWERKS
BUDGET RENTAL
GOLF GALAXY
BLOOMINGTON LINCOLN MERCURY
KNIGHTS OF COLUMBUS
ABRA AUTO BODY
ROGER'S MASTER COLLISION
ROGERS MASTER COLLISION
STUART CO
GM MANUFACTURING
LES JONES ROOFING
MATCHLINE - SEE INSET


COLFAX AVE.
BRYANT AVE.
76TH ST.
ALDRICH AVE.
77TH ST.
BABIES R US
DAVID'S BRIDAL
BORDERS
RICHFIELD LIQUOR
BOSTON MARKET
LYNDALE AVE.
INTERSTATE
494
REI
LYNDALE AVE.
RAINBOW MIDWEST
EXTENDED STAY
MATCHLINE - SEE LAYOUT PART 2


MATCHLINE
81ST. ST.
INFINITI OF BLOOMINGTON
INTERSTATE
35W
MINNESOTA MULTI HOUSING ASSN
BUY SELF REALITY
LYNDALE OPTICAL
FREMONT AVE.
EMERSON AVE.
80TH 1/2 ST.
SOUTHTOWN APARTMENTS
6' SIDEWALK
R =1000.00'
IRVING AVE.
BLACK TIE LIMOUSINE
TYPICAL SECTION V-V
PROPOSED