

MORRISON COUNTY, MINNESOTA
SAP 049-626-023 BRIDGE 49J92
 LOCATED ON CSAH 26 (NATURE RD) BETWEEN CSAH 53 AND 220TH AVE

PLANS PREPARED FOR



LUMEN ENGINEER: SARA SMITH
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 PHONE: 320.316.9278
 LUMEN CONSTRUCTION CONTACT: SARA SMITH
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 PHONE: 320.316.9278
 WIRECENTER: RYTMNMRN

PLANS PREPARED BY



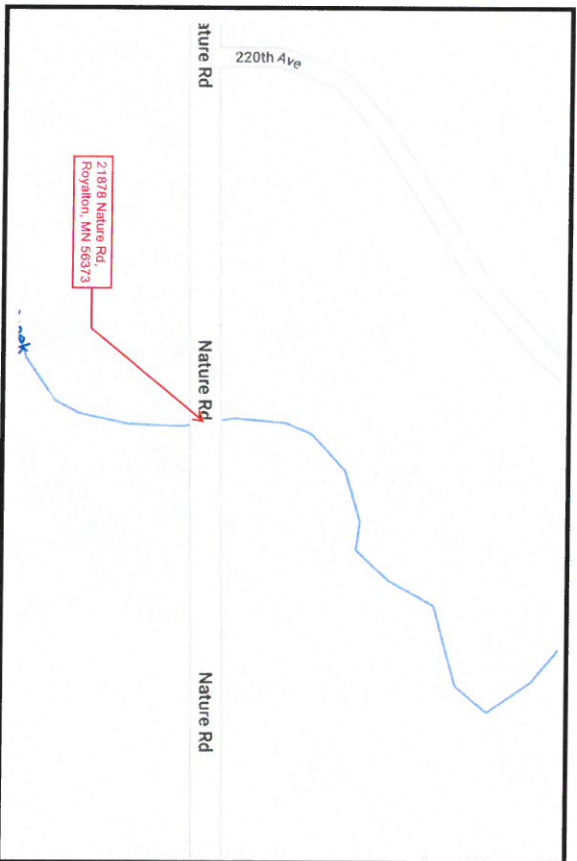
TT ENGINEER: LINDSEY KIRKHAM
 PHONE: 612-867-1145
 EMAIL: lirkham@terracecon.com

PROJECT CONTACT

OWNER: JOHN KOSTREBA - MORRISON COUNTY
 PHONE: 320.631.2865
 EMAIL: JKOSTR@CO.MORRISON.MN.US
 PROJECT ENGINEER: JOHN KOSTREBA - MORRISON COUNTY
 PHONE: 320.631.2865
 EMAIL: JKOSTR@CO.MORRISON.MN.US
 SURVEY/STAKING: JOHN KOSTREBA - MORRISON COUNTY
 PHONE: 320.631.2865
 EMAIL: JKOSTR@CO.MORRISON.MN.US
 ROAD CONTRACTOR: TBD
 PHONE: TBD
 EMAIL: TBD

LUMEN RELOCATION PLAN

PROJECT N.975037 / TERR-1007306



LOCATION MAP
 NOT TO SCALE

FOR REFERENCE ONLY



ORDER STATE ONE CALL
 1-800-252-1100 OR
 WWW.ONECALLMINN.SOCIAL.COM

NOTES:
 ALL EXISTING AND PROPOSED CONDITIONS ARE BASED ON INFORMATION PROVIDED BY OTHERS. LUMEN CANNOT BE RESPONSIBLE FOR THE ACCURACY OF INFORMATION PROVIDED BY OTHERS. FIELD PARTIES, FACILITY LOCATIONS, DEPTHS AND ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION. PROPOSED DESIGN MODIFICATIONS ARE RECOMMENDATIONS ONLY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

PERMITS REQUIRED: YES NO
 DOT:
 COUNTY: MORRISON
 STATE:
 RAILROAD:
 PIPELINE:
 DNR: DNR
 MISCELLANEOUS:
 CUTS REQUIRED: YES NO
 FIBER OPTIC
 COPPER
 MIGRATIONS REQUIRED: YES NO
 PRECONSTRUCTION MEETING DATE: TBD
 EXPECTED ROADWAY CONSTRUCTION START DATE: TBD

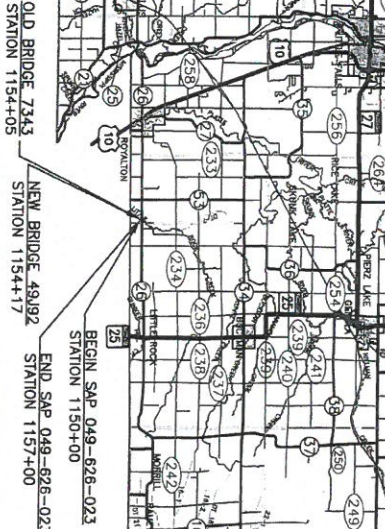
REVISION	DATE

PLAN SYMBOLS

STATE LINE	
COUNTY LINE	
TRUNK OR MAJOR HIGHWAY	
STATE HIGHWAY	
CRASH COURSE	
UNPAVED SIDEWALK	
PAVED SIDEWALK	
TRUNK OR MAJOR WATERWAY	
STATE TRUNK WATERWAY	
MAJOR WATERWAY	
MINOR WATERWAY	
PROPERTY LINE	
PROPERTY LINE (TYPICAL)	
PROPERTY LINE (AT THE CORNER)	
PROPERTY LINE (AT THE END)	
PROPERTY LINE (AT THE BEGINNING)	
PROPERTY LINE (AT THE MIDDLE)	
PROPERTY LINE (AT THE END OF THE ROADWAY)	
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UTILITIES SYMBOLS

POLES FOR LINES	
POLES FOR TELEPHONE LINES	
POLES FOR TELEPHONE LINES	
POLES FOR TELEPHONE LINES	
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STATE AID PROJ. NO. ...049-626-023
 STATION 1154+05

NEW BRIDGE 49,192
 STATION 1154+17

END S&P 049-626-023
 STATION 1157+00

BEGIN S&P 049-626-023
 STATION 1150+00

OLD BRIDGE 7343
 STATION 1154+05

DESIGN DATA

DESIGNED IN ACCORDANCE WITH 2017 MASHO
 LEAD BRIDGE DESIGN SPECIFICATIONS

HI-93 LIVE LOAD	12'
BARREL INSIDE WIDTH	8', 9"
BARREL LENGTH	74'
EST. MIN. FILL DEPTH (SHLD)	2.05'
EST. MAX. FILL DEPTH (B)	2.85'
SKREW	0.75"
HI-93 LFR	0.133
BRIDGE OPERATING RATING FACTOR (RF=)	1.3

BRIDGE NO. 49,192
 LOCATION: CSAM 26
 APPROACH: 12' X 9' CONCRETE GUARDRAIL
 DISTRIPLANATION NO. 513
 SECTION 33 T 38 N R 31 W
 TOWNSHIP: BELLEVUE COUNTY: MORRISON

GROSS LENGTH: 780 FEET
 FEET
 FEET
 FEET

NET LENGTH: 700 FEET
 FEET
 FEET
 FEET

EXCEPTIONS-LENGTH: 700 FEET
 FEET
 FEET
 FEET

MINN. PROJ. NO.

GOVERNING SPECIFICATIONS
 THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
 "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
 The substance utility information in this plan is utility quality level D.
 This quality level was determined according to the guidelines of
 C/ASCE 38-02, entitled "Standard Guidelines for the Collection and
 Detection of Existing Subsurface Utility Data."
 ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT
 EDITIONS OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL
 DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY
 TRAFFIC CONTROL DEVICES.

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TITLE SHEET
 EST QUANTITIES, NOTES & STANDARD PLATES
 GENERAL NOTES & QUANTITIES
 BOX CULVERT REVISIONS
 TABULATION CHARTS
 SHEPP PLAN VIEW
 BRIDGE DETAILS
 BRIDGE SECTION
 END SECTION DETAILS
 CROSS SECTIONS

THIS PLAN CONTAINS 15 SHEETS

DESIGN DESIGNATION
 RURAL RECONSTRUCTION
 STA 1150+00 TO 1157+00

DN18 .333,000
 R VALUE .12
 ADT (2022) = 940
 Proj. ADT (2042) = 1,170
 10..... Ton Design
 Functional Class MAJOR COLLECTOR
 2 TRAFFIC LANES - 12' PER LANE
 Shoulder Width .4;.BIT. 4;.ASB
 Design Speed .55... MPH
 Based on Stopping Sight Distance
 Height of eye 5.5' Height of Object 2.0'

GEODETTIC INFORMATION

NGS NAME LTRAC
 MAURIZIUS, GEODETTIC POSITION
 MORRISON COUNTY COORDINATES X. 527224.926 Y. 121352.892
 NAVOBR ORTHOMETRIC HEIGHT
 ELEVATION = 1303.836

LIBRARY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT
 WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND
 THE LAW OF THE STATE OF MINNESOTA

APPROVED:
 ANTHONY E. HENNEY LICENSE NO 54258 DATE 1/24/2022
 MORRISON COUNTY ENGINEER

Reviewed by: _____ DATE 1/26/2022
 ASSISTANT STATE AID ENGINEER

Approved by: _____ DATE 1/24/2022
 FOR STATE AID ENGINEER

STATE AID PROJ. NO. ...049-626-023
 BRIDGE NO. ...49,192 SHEET NO. ...1 OF ...15 SHEETS

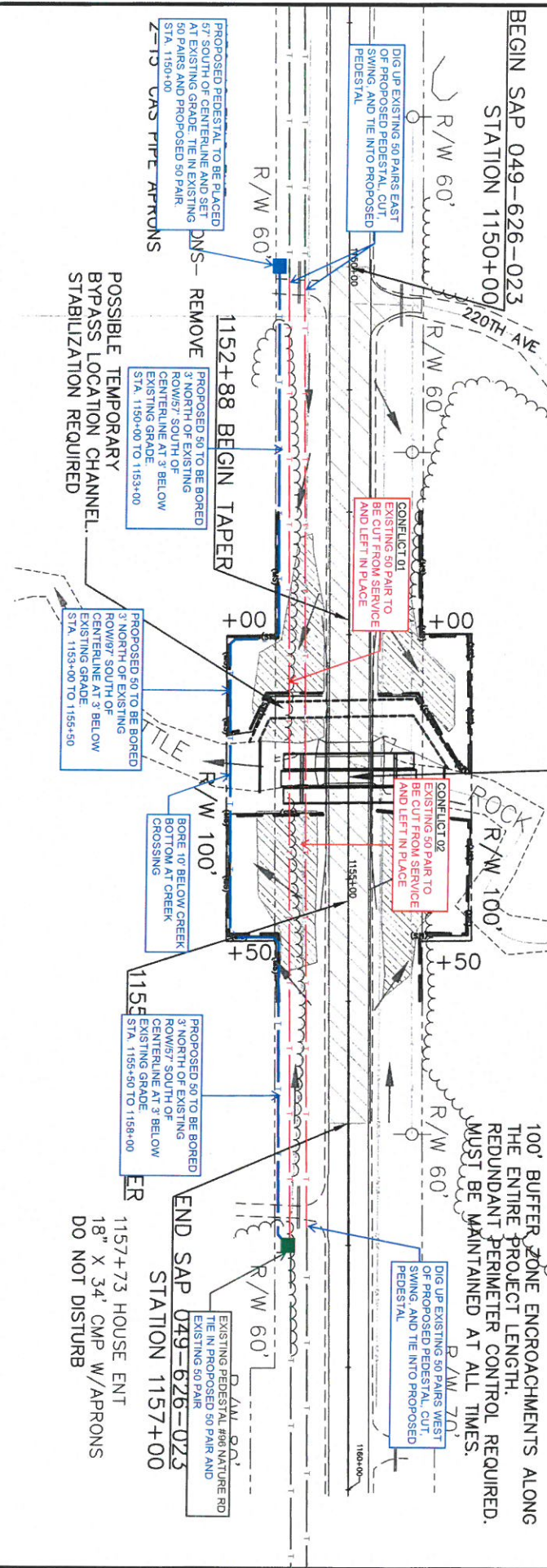
SWPPP
TEMPORARY STABILIZATION

1150+32 220TH AVE (TWP RD)
 15" X 34' RCP W/APRONS-REMOVE 46'
 15" X 52' CAS PIPE
 2-15" CAS PIPE APRONS

**NEW TRIPLE BOX
 CULVERT LOCATION**

1159+69 FIELD ENT
 15" X 34' CMP W/APRONS
 DO NOT DISTURB

100' BUFFER ZONE ENCROACHMENTS ALONG
 THE ENTIRE PROJECT LENGTH.
 REDUNDANT PERIMETER CONTROL REQUIRED.
 MUST BE MAINTAINED AT ALL TIMES.



LEGEND

DRAINAGE FLOW ARROW
 SILT FENCE
 (MS) MACHINE SLICED
 STEEL SHEETING
 RAPID STABILIZATION TYPE 3
 RECLAIM AREA
 SEDIMENT CONTROL LOG
 TYPE WOOD CHIP

DEWATERING:

PAYMENT FOR DEWATERING SHALL BE CONSIDERED COMPENSATION FOR ALL EQUIPMENT, LABOR & MATERIALS REQUIRED TO ISOLATE AND PUMP OUT ALL WORK AREAS AS NEEDED ON THE ENTIRE PROJECT. USE OF INPLACE SOILS TO ISOLATE WORK AREAS FROM SURFACE WATER SHALL BE MINIMIZED. CONTRACTOR SHALL USE A METHOD FOR ISOLATION THAT MINIMIZES SEDIMENT LOADED WATER.

TEMPORARY STREAM DIVERSION SYSTEM:

PAYMENT FOR TEMPORARY STREAM DIVERSION SYSTEM SHALL BE CONSIDERED COMPENSATION FOR ALL EQUIPMENT, LABOR & MATERIALS REQUIRED TO DIVERT THE EXISTING WATERWAYS USING STEEL SHEETING OR SHEET PILING IN COMBINATION WITH A TEMPORARY CULVERT OR STABILIZED CHANNEL THRU THE ROADWAY. USE OF INPLACE SOILS TO CREATE AN UNSTABILIZED EARTH DIVERSION BERM WILL NOT BE ALLOWED. TEMPORARY DIVERSION CHANNEL SHALL BE STABILIZED WITH SHEETING, FABRIC, RIPRAP, OR OTHER METHOD THAT WILL MINIMIZE EXPOSED SOILS.

PLAN

SCALE: 1" = 20'

DATE: 1/24/2022

STATE AID PROJ. NO. 049-626-023

BRIDGE NO. 49J92

SHEET NO. 8 OF 15 SHEETS

SWPPP PLAN VIEW