

MINNESOTA DEPARTMENT OF TRANSPORTATION CITY OF ELK RIVER

HIGHLAND ROAD RECONSTRUCTION CONSTRUCTION PLAN FOR GRADING, AGGREGATE BASE, BITUMINOUS SURFACE, CONCRETE CURB & GUTTER, STORM SEWER, SANITARY SEWER, WATERMAIN EXTENSION AND AMENITIES.

LOCATED IN THE CITY OF ELK RIVER
ON HIGHLAND ROAD BETWEEN PROCTOR ROAD AND JACKSON STREET (Geographic Description)

FROM A POINT 3,353 FT. NORTH AND 1,271 FT. WEST OF THE SOUTHEAST CORNER OF SEC. 28, T.33, R.26 TO A POINT 1,718 FT. NORTH AND 1,823 FT. EAST OF THE SOUTHWEST CORNER OF SEC. 27, T.33, R.26 (Legal Description)

S.A.P. 204-137-001

GROSS LENGTH	3,906 FEET	0.74 MILES
BRIDGES-LENGTH	0 FEET	0 MILES
EXCEPTIONS-LENGTH	0 FEET	0 MILES
NET LENGTH	3,906 FEET	0.74 MILES

GOVERNING SPECIFICATIONS

THE 2000 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

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

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THIS PLAN CONTAINS 55 SHEETS

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS- ALL TRAFFIC CONTROL DEVICES SHALL HAVE RETROREFLECTIVE SHEETING.

DESIGN DESIGNATION (S.A.P. 204-137-001)

DES. LN. ESALS ₂₀	376,000
R VALUE	50
PRESENT ADT (2006)	EST. 3225
PROJ. ADT (2026)	4838
PROJ. HCADT	-
SOIL FACTOR	-
TON DESIGN	9
FUNCTIONAL CLASSIFICATION	COLLECTOR
NO. OF TRAFFIC LANES	TWO
NO. OF PARKING LANES	-
SHOULDER WIDTH	4 FEET
DESIGN SPEED	30 MPH
BASED ON STOPPING SIGHT DISTANCE	
HEIGHT OF EYE	3.5 FT.
HEIGHT OF OBJECT	2.0 FT.
DESIGN SPEED NOT ACHIEVED AT:	
STA. 29+70 TO STA. 31+92 (VARIANCE)	
THIS PROJECT HAS BEEN GRANTED A VARIANCE FROM MINNESOTA RULE 8820.9936, DATED MARCH 2006, SO AS TO PERMIT THE RECONSTRUCTION OF THE HORIZONTAL CURVE EAST OF THE INTERSECTION WITH 192ND AVENUE NW TO HAVE A CENTERLINE RADIUS OF 206.67' AND A DESIGN SPEED OF 25 MPH IN LIEU OF THE REQUIRED HORIZONTAL CURVE OF 300 FT AND A DESIGN SPEED OF 30 MPH. THE VARIANCE WAS SIGNED BY JULIE SKALLMAN ON MARCH 21, 2006.	

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: _____ DATE: _____
PRINTED NAME: _____ LIC. NO. _____

APPROVED _____ 2006
CITY OF ELK RIVER ENGINEER

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY 2006

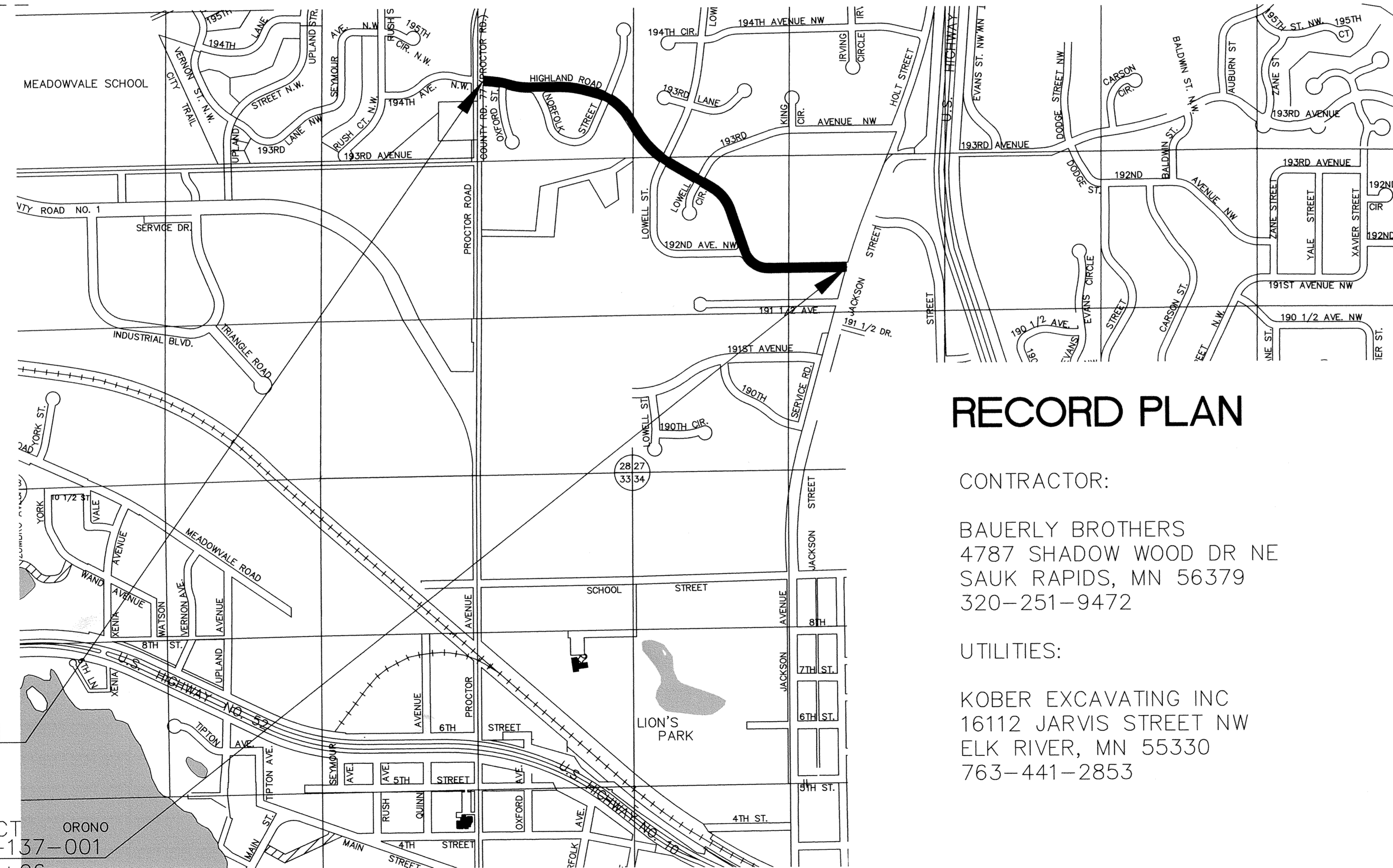
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER _____ 2006

PLAN SYMBOLS

- STATE LINE
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPERTY LINE
- CORPORATE OR CITY LIMITS
- RAILROAD
- RAILROAD RIGHT OF WAY
- RIVER OR CREEK
- CULVERT
- GUARDRAIL
- WOOD FENCE
- BARBED WIRE FENCE
- CHAIN LINK FENCE
- TIMBER WALL
- STONE WALL
- RAILROAD CROSSING SIGN
- SLOPE EASEMENT (CONSTRUCTION LIMITS)
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH OR SHRUB
- BRIDGE
- LAKE OR POND

UTILITIES SYMBOLS

- UTILITY POLE
- GUY OR ANCHOR
- STREET LIGHT
- TELEPHONE PEDESTAL
- GAS MAIN
- EXISTING WATER MAIN
- TELEPHONE VAULT
- ELECTRIC VAULT
- TELEPHONE CABLE
- ELECTRIC CABLE
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER
- EXISTING SANITARY MANHOLE
- GATE VALVE
- CONTROLLER CABINET
- EXISTING HYDRANT
- CABLE TELEVISION BURIED
- FIBER OPTIC CABLE
- TRAFFIC SIGNAL LINE
- TRAFFIC SIGNAL HAND HOLE
- EXISTING CATCH BASIN
- POLE LIGHT
- RAILROAD SIGNAL
- TRAFFIC SIGNAL



BEGIN PROJECT
S.A.P. 204-137-001
STATION 0+00

END PROJECT
S.A.P. 204-137-001
STATION 39+06

SCALES

- PLAN- 0 20'
- PROFILE-HORIZ.- 0 20'
- VERT.- 0 5'
- CROSS-SECTIONS- 0 10'



BDM
CONSULTING ENGINEERS, PLC
Engineers and Surveyors
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Lexington, MN 55014
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Fax: (763) 786-4574
bdmce.com

IMPROVEMENTS

RECORD PLAN

CONTRACTOR:

BAUERLY BROTHERS
4787 SHADOW WOOD DR NE
SAUK RAPIDS, MN 56379
320-251-9472

UTILITIES:

KOBER EXCAVATING INC
16112 JARVIS STREET NW
ELK RIVER, MN 55330
763-441-2853