

DESIGN DATA
 1988 AND INTERIM LOAD FACTOR DESIGN SPECIFICATIONS. LOAD FACTOR DESIGN METHOD H225 LOADING. INCLUDES 11% SF DEAD LOAD ALLOWANCE FOR PAVEMENT WEARING COURSE MODIFICATIONS. REINFORCED CONCRETE. Fc=4000 PSI, FR=60000 PSI. REINFORCEMENT (GRADE 60) STRUCTURAL STEEL. fy=36000 P.S.I. STRUCTURAL STEEL (3300) DECK AREA=320480. FT. OPERATING RATING=H643 CURRENT ADT=19804 PROJECTED ADT(2010)=19265

LIST OF SHEETS

NO.	DESCRIPTION
1	GENERAL PLAN & ELEVATION
2	BRIDGE LAYOUT
3	ABUTMENT DETAILS
4	ABUTMENT BAR LIST & QUANTITIES
5	SUPERSTRUCTURE
6	SUPERSTRUCTURE BAR LIST & QUANTITIES
7	CONCRETE RAILING (TYPE J)
8	ORNAMENTAL METAL RAILING (TYPE S)
9	ORNAMENTAL METAL RAILING MODIFIED
10	BRIDGE APPROACH PANEL
11	B DETAILS
12	BRIDGE SURVEY
13	BRIDGE SURVEY PLAN & PROFILE

CONSTRUCTION NOTES

THE 1988 EDITION OF THE MNDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
 THE FIRST DIGIT OR THE FIRST TWO DIGITS OF EACH BAR MARK INDICATE THE BAR SIZE. ALL BARS SHALL BE EPOXY COATED.
 DRAWINGS ARE NOT TO BE SCALED.



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 SIGNED: [Signature]
 DATE: 10/23/09 REG. NO. 17280

B.M. EL. 8612 (M&L 1928 A&J)
 TOP OF HYDRANT AT THE NE CORNER OF THE INTERSECTION OF XEON BLVD. & CSAH, II
 SOURCE: DISK BE ABUT. BRIDGE 9123 HANSON BLVD. OVER 6TH RD

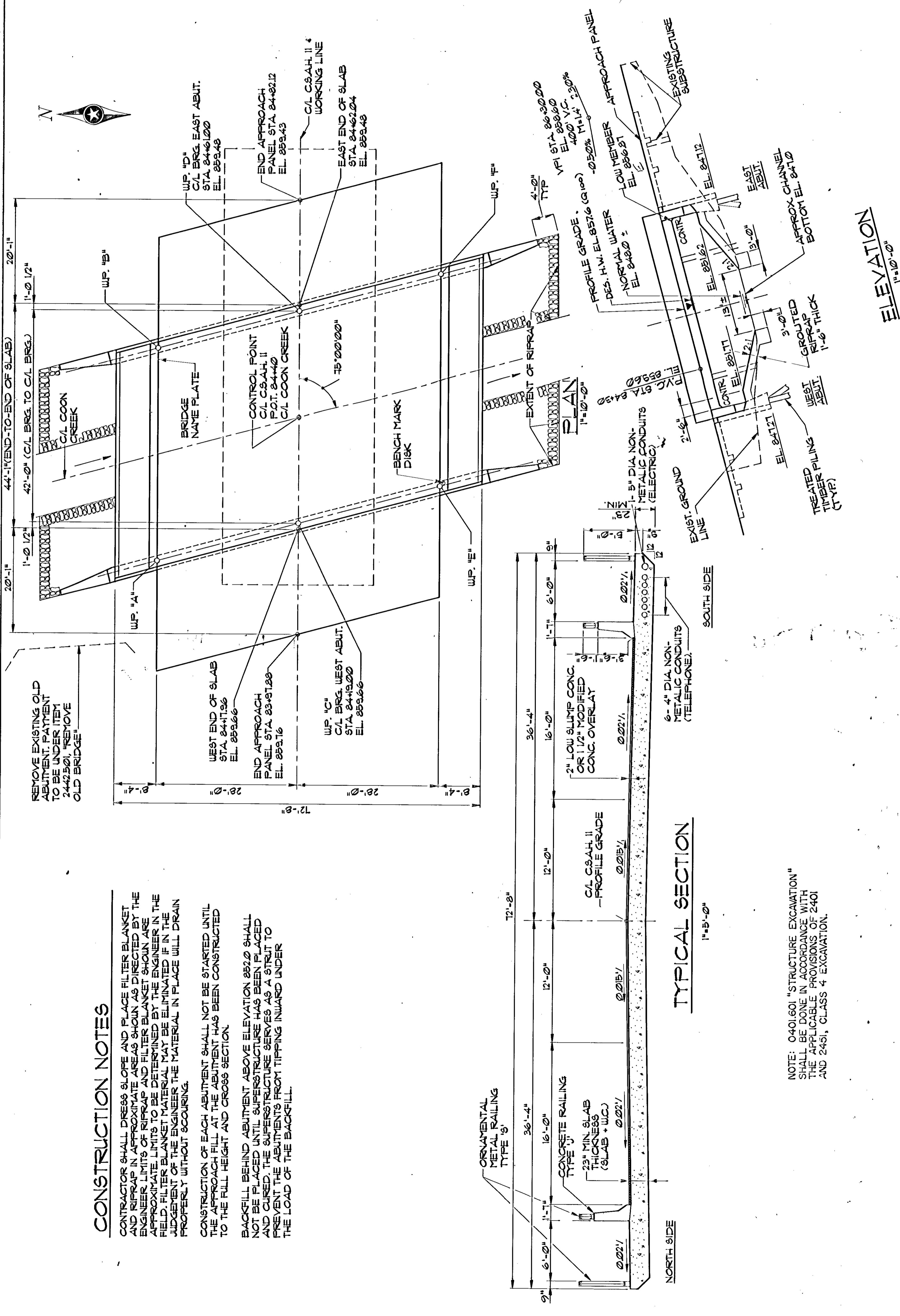
MINNESOTA
 DEPARTMENT OF TRANSPORTATION

Bridge No. 02553

CSAH, NO. II OVER COON CREEK
 IN COON RAPIDS, MINNESOTA
 42' CAST-IN-PLACE CONC SLAB
 56'-0" SKELW. WITH SIDEWALKS
 15'-0" SKELW. 2 TRAFFIC BARRIERS

GENERAL PLAN AND ELEVATION

IDENTIFICATION NO. 1029
 SEC. 14 T. 31 N. R. 24 W.
 COON RAPIDS CITY ANOKA COUNTY
 APPROVED: _____
 BRIDGE ENGINEER: DR. MU. JJ. JJ.
 DIRECTOR DESIGN SERVICES: DR. MU. JJ. JJ.
 02553



ELEVATION
 1"=10'-0"

CONSTRUCTION NOTES

CONTRACTOR SHALL DRESS SLOPE AND PLACE FILTER BLANKET AND RIFRAP IN APPROXIMATE AREAS SHOWN AS DIRECTED BY THE ENGINEER. LIMITS OF RIFRAP AND FILTER BLANKET SHOWN ARE APPROXIMATE. LIMITS TO BE DETERMINED BY THE ENGINEER IN THE FIELD. FILTER BLANKET MATERIAL MAY BE ELIMINATED IF IN THE JUDGMENT OF THE ENGINEER THE MATERIAL IN PLACE WILL DRAIN PROPERLY WITHOUT SCOURING.
 CONSTRUCTION OF EACH ABUTMENT SHALL NOT BE STARTED UNTIL THE APPROACH FILL AT THE ABUTMENT HAS BEEN CONSTRUCTED TO THE FULL HEIGHT AND CROSS SECTION.
 BACKFILL BEHIND ABUTMENT ABOVE ELEVATION 852.0 SHALL NOT BE PLACED UNTIL SUPERSTRUCTURE HAS BEEN PLACED AND CURED. THE SUPERSTRUCTURE SERVES AS A STRUT TO PREVENT THE ABUTMENTS FROM TIPPING INWARD UNDER THE LOAD OF THE BACKFILL.

NOTE: 0401.601 "STRUCTURE EXCAVATION" SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF 2401 AND 2451, CLASS 4 EXCAVATION.

SCHEDULE OF QUANTITIES FOR ENTIRE BRIDGE

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
2021501	MOBILIZATION STRUCTURE CONCRETE (37'43)	1	CU. YD.	186	186
2401512	BRIDGE SLAB CONCRETE (3X36)	3204	SQ. FT.	(P)	3204 (P)
2401513	TYPE 'J' RAILING (3X46)	88	LIN. FT.	(P)	88 (P)
2401541	REINFORCEMENT BARS (EPOXY COATED)	57990	LB.	(P)	57990 (P)
2402503	ORNAMENTAL METAL RAILING TYPE 'S'	28	LIN. FT.	(P)	28 (P)
2404501	CONCRETE OVERLAY SPECIAL	2463	SQ. FT.	(P)	2463 (P)
2442501	REMOVE OLD BRIDGE	1	LUMP SUM	(P)	1 (P)
2452503	TREATED TIMBER PILING DELIVERED	1160	LIN. FT.	(P)	1160 (P)
2452504	TREATED TIMBER PILING DRIVEN	1160	LIN. FT.	(P)	1160 (P)
2452511	TREATED TIMBER TEST PILES 60' LONG	4	EACH	(P)	4 (P)
251507	GROUTED RIFRAP	212	CU. YD.	(P)	212 (P)
2545509	CONDUIT SYSTEM (POWER)	1	LUMP SUM	(P)	1 (P)
2545509	CONDUIT SYSTEM (TELEPHONE)	1	LUMP SUM	(P)	1 (P)
0401601	BRIDGE APPROACH PANELS	1	LUMP SUM	(P)	1 (P)
0401601	STRUCTURE EXCAVATION	1	LUMP SUM	(P)	1 (P)
2511515	GEOTEXTILE FILTER FABRIC TYPE IX	530	SQ. YD.	(P)	530 (P)
UNIT LUMP SUM		1	CU. YD.	186	186
QUANTITY		1	CU. YD.	186	186