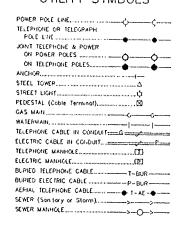
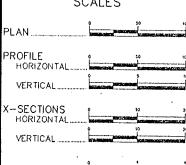
PLAN SYMBOLS

TOWISHIP OR RANGE LINE SECTION LINE OUARTER LINE. SLOPE EASEMENT RIVER OR CREEK DRAINAGE DITCH BRENE NURSER BUILDING (One Story Frame)... F-FRAME C-CONCRETE S-STORE T-TILE B-BRICK ST-STUCCO RAILROAD CROSSING BELL... RAILROAD CROSSING GATE....

UTILITY SYMBOLS



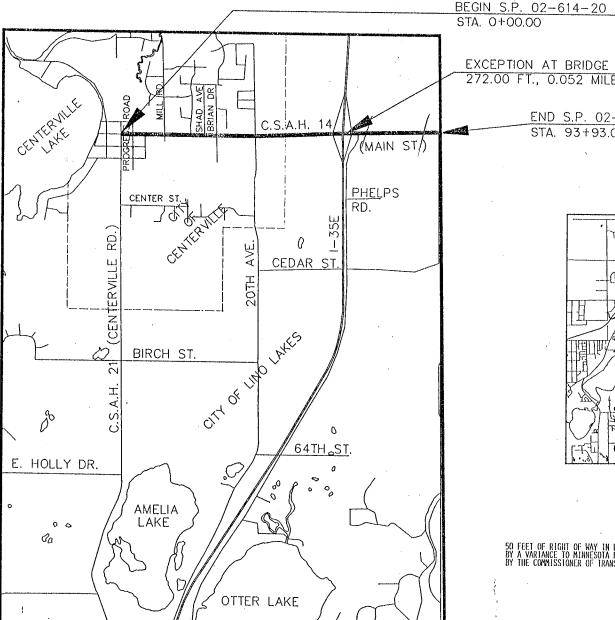
SCALES



MINNESOTA DEPARTMENT OF TRANSPORTATION

ANOKA COUNTY

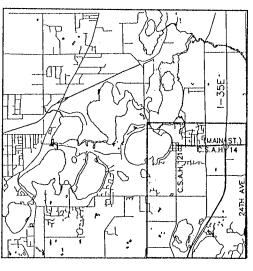
CONSTRUCTION PLAN FOR BI	TUMINOUS OVERLAY
LOCATED ON CSAH 14 IN THE CITY OF LINO LAKES	BETWEEN C.S.A.H. 21 AND LINO LAKES CITY LIMITS, AND BETWEEN CENTERVILLE CITY LIMITS AND 24TH AVE.—COUNTY LINE
STATE PROJ. NO. 02-614-20 MN PROJ. NO.	COUNTY PROJ. NO.
GROSS LENGTH 9393.00 FEET 1.779 MILES BRIDGES-LENGTH FEET MILES EXCEPTIONS-LENGTH 272.00 FEET 0.052 MILES NET LENGTH 9121.00 FEET 1.727 MILES	GROSS LENGTH. FEET MILES BRIDGES-LENGTH FEET MILES EXCEPTIONS-LENGTH FEET MILES NET LENGTH FEET MILES



EXCEPTION AT BRIDGE 272.00 FT., 0.052 MILE

> END S.P. 02-614-20 STA. 93+93.00

LINO LAKES



50 FEET OF RIGHT OF WAY IN LIEU OF THE REQUIRED GO FEET IS ALLOWED BY A VARIANCE TO MINNESOTA RULE 8820.2500, DATED JULY, 1993, APPROVED BY THE COMMISSIONER OF TRANSPORTATION ON JANUARY 6, 1994.

MINN. PROJ. NO.

MINN. PROJ. NO. STP PAVE (010)

GOVERNING SPECIFICATIONS

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS AMENDED BY THE JANUARY 2, 1991 SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.

INDEX

SHEET NO.

DESCRIPTION

1	TITLE SHEET
2	ESTIMATED QUANTITIES
3	TABULATED QUANTITIES
4 ·	TYPICAL SECTIONS
5	STANDARD DETAILS
6	TRAFFIC CONTROL

THIS PLAN CONTAINS 6 SHEETS

DESIGN DESIGNATION

€18₂₀...NA R VALUE NA ADT (1993)= 6009 Proj. ADT (2013)= 10,216 Proj. HCADT (2013)= 766 Soil Factor 100% 9. TON DESIGN Shoulder Width 8'-10'

Functional Classification HIGH DENSITY COLLECTOR No. of Traffic Lanes 2.No. of Parking Lanes. 2. Design Speed 55* MPH. Based on Stopping Sight Distance.
Height of eye. 3.5 Height of object 0.5 Design Speed not achieved at:

STA. 69+84 TO STA. 81+24 MPH. 50

STA. 24+82 MPH. 35 * STA. 28+30 TO STA. 31+30 MPH 45 **-

* POSTED SPEED IS 30 MPH

** POSTED SPEED IS 45 MPH

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. DATE 8/27/93 REG. NO. 20235 ENGRI Longe to beside the present the DESIGN SQUAD J. TRICK

Recommended for Approval Multiple Reference
Recommended for Approval Recommended for Approval Object Colon
Recommended for Approval Object Colon
Approved 30, 1993
Approved 9/9, 1993
Approved 123, 1993
Ap 3/27 19 93 8/27 1993 8/21,1993 Recommended for Approval Mark Recommended for Approval Mark Recommended for Approval For STATE AND DIVISION Approved The STATE AND DIVISION APPROVALED TO A 4-5 1984 Approved 1/5 1994 July Skilman

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

DIVISION ADMINISTRATOR

STATE AID PROJ. NO.

STATE PROJ. NO. ____02-614-20

SHEET NO. 1 OF 6 SHEETS

			STATE	MENT OF	ESTIMAT	ED QUAI	NTITIES			
	CHART ID.	ITEM NO.	ITEM	UNIT	TOTAL QU	ANTITIES	S.P. 02	-614-20	NON-PART	ICIPATING
(a) (a) (a) (a) (b) (b) (c)	CHART ID. A A E B A A A A A C D D D D	ITEM N□. 0015.601 2104.501 2104.523 2104.523 2104.523 2105.523 2232.501 2340.508 2340.516 2357.502 0412.602 2501.511 2501.511 2501.511 2501.511 2501.561 0501.602 0501.602 0501.602 0501.602 2501.573 2506.522 2535.501 0563.601 2575.502 2575.505 2575.511 2575.521		LUMP SUM LIN FT EACH EACH CU YD SQ YD TON TON GAL EACH LIN FT LIN FT LIN FT LIN FT EACH EACH EACH EACH EACH EACH EACH EACH	TOTAL QUA ESTIMATE		S.P. 02 ESTIMATE	-614-20 FINAL	NON-PART ESTIMATE	ICIPATING FINAL
	D	2575.532 0575.605 2580.501	COMMERCIAL FERTILIZER ANALYSIS 10-10-10 SEEDING TEMPORARY LANE MARKING	SQ YD LB SQ YD ROAD STA	1060 298 1060 91		1 06 0 298 1 06 0 9 1			

NOTES:

- 1 ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING APPENDIX B DATED NOVEMBER 1992.
- @ PER STANDARD PLATE 3128, NO GRATE REQ.
- ③ INCLUDES ALL PIPE COUPLINGS AS REQUIRED.
- 4 INCLUDES 148 TONS FOR STREET APPROACHES AND ENTRANCES.
- (5) F & I BITUMINOUS CURB AT LOCATIONS DESIGNATED BY THE ENGINEER.
- (6) INCLUDES SALVAGING AND INSTALLING OF EXISTING MAILBOX AND F&I NEW SUPPORT.

BASIS OF QUANTITIES

TYPE 41 WEAR COURSE & SHOULDER MIXTURE: 110 LB/SY/INCH

BITUMINOUS MAT'L FOR TACK: 0.05 GAL/SY

SEED MIXTURE NO. 700: 35 LBS/ACRE

MULCH MAT'L TYPE 1: 2 TONS/ACRE

COMMERCIAL FERTILIZER, ANALYSIS 10-10-10: 500 LBS/ACRE

SEEDING: HORIZONTAL MEASUREMENT +10%

BITUMINOUS MIXTURE DESIGNATIONS:

41 WEA 50070Y

41 SHA 50070Y

	INDEX OF	TABULATION CHARTS
CHART ID	SHEET NO.	DESCRIPTION
Α	- 3	ENTRANCE APPROACH IMPROVEMENTS
В	3 .	MAILBOX SUPPORTS .
С	3	MISCELLANEOUS REMOVALS
D	3	TURF ESTABLISHMENT
E	3	BITUMINDUS MILLING

THESE STA	ANDARD PLATES, AS APPROVED BY THE FHWA SHALL APPLY
	STANDARD PLATES
0005 A	SPECIFICATION REFERENCE TO STANDARD PLATES
3000 L	REINFORCED CONCRETE PIPE
3006 F	GASKET JOINT FOR R.C. PIPE
3040 F	CORRUGATED METAL PIPE CULVERT
3124 B	METAL APRON CONNECTION
3128 F	SAFETY APRON
3145 E	CONCRETE PIPE TIES
3221 C	CORRUGATED STEEL PIPE COUPLING BAND
7065 C	BITUMINOUS CURB
8000 I	STANDARD BARRICADES
9102 D	TURF ESTABLISHMENT AREAS

ESTIMATED QUANTITIES

S.A.P._____S.P.__02-614-20_C.P.___

Sheet No. 2 of 6 Sheets

ENTRANCE APPROACH IMPROVEMENTS (A)														
•		5	EXISTING CULVERT (2)		REM	IOVE	SALVAGE AND INSTALL			F	JRNISH	AND INS	TALL	
STATION	rac	ADDRESS	0.175		CULV.	APRON	APRON	REPLACE	EXT.LT	EXT.RT	AF	RONS	EMBAI	IKMENT
0.00	 		SIZE	TYPE	LIN.FT	EACH	EACH	LIN.FT.	LIN.FT.	LIN.FT	15*	DTHER	LEFT(CY)	RIGHT(CY)
3+28 3+28	LT RT	PROGRESS RD	N/A						0	0		i	0.0	0.0
··· 4+58	RT	1740	N/A						0	0			0.0	0.0
5+00	LT	1745	N/A						0	0			0.0	0.0
6+37	ŔŤ	1744	N/A						Į į	0			0.0	0.0
6+81	LT	1759	N/A						0	<u>0</u>		ļ	0.0	0.0
7+94	R.T	1764	N/A			* **			0	00			0.0	0.0
8+37	RI	CEN TREE FAR	N/A						0	0			0.0	0.0
10+38	LŢ	1781	N/A						0	0			0.0	0.0
11+95	LT RT	CEMETARY 1798	N/A	CVD					0	0		*	0.0	0.0
13+17	l lit	MILL ROAD	15'x28' 18'x36'	CMP . SMP		0	2		.10	1.0			1.5	2.0
13+20	RT	1798	15 × 30	CMP		ŏ	5		4	4			0.5	0.5
14+38	RT	1810	15'x29'	··· ČMP		ŏ	1		10	8			0.5	1.0
14+90	L.T	TRIPPELS	15'x31'	SMP		ŏ	i		l ia l	8			5.0	0.5
15+55	RT	1824	15'x26'	CMP		0	2		6	4			0.5	1.5 0.5
17+38 18+69	ŔŢ	1832 1844	15 x33 ′	CMP		0	. 2		8	6	**		1.0	0.5
20+13	RT RT	1858	15'x30'	CMP		0	2			. 4		******	1.0	0.5
20+64	ĹŤ	PETERSON	15'x28'	CMP	45	0	S		. 4	0			0.5	0.0
21+42	ŔŤ	1865	15'x30	CMP SMP	45	0		66	0	0	5		2.5	3.0
23+53	ĒΥ	1873	-19 N/A			٠,٠			8	4	5	***************************************	2.5	1.0
24+52	LT	SHAD AVE.	N/A		i				0	0			0.0	0.0
28+23	LT.	BRIAN DR.	24'x91'	SMP		. 0			4	0			0,0	0.0
28+23	RT	BRIAN DR.	15'x51'	CMP	* *** ****	0	1		0	0		·	2.5 0.0	0.0
31+78	RT	F, ENT	15'x22'	CMP		O .	5	-	4	6			0.5	0.0
33+61 35+12	LT.	1969	15:×18:	CMP		0		FF1 - 1 - 1 - 1 - 1	6	6	2		0.5	0.5
35+18	RT	1973 OLSON'S	N/A 15'x27'						0	0			0.0	0.0
36+02	计	1976	12 XE/	CMP		0	5 · ·		4	6			0.5	0.5
36+23	ŔŢ	1988	N/A						0	0			0.0	0.0
37+10	L,T	1979	N/A	* *****					0	0			0.0	0.0
37+42	RT	TEXACO	15'×48'	CMP		ö	1			10	- 4		0.0	0.0
37+30	LŢ.	1.990	N/A			`	· · · · · · · · · · · · · · · · · · ·		0	10	'		0.0	1.0
39+60	LI	20TH AVE	36'x69'	RCP		0	2		14	20			10.5	0.0 18.0
39+60 52+81	RT	AVE TOTAL	18'x69'	CMP		0	. 2		14	10			9.0	6.5
53+31	RT LT	21ST AVE	N/A 15'x29'	СЙР					0	0			0.0	0.0
53+31	ŔŤ	F. ENT	12 XE 3			0	1,		5	4	1		0.5	0.5
68+17	RT	DITER LAKE	N/A						0	0.			0 . 0	0.0
70+84	L, T	F. ENT	15'x29'	CMP		0	2		0	<u>o</u>			0.0	0.0
71+08	RT	F, ENT	15*x29*	CMP		0	2 - 2		2	0			0.5	0.0
75+22	RT	2290	15'x30'	CMP		ŏ	2		6	6			0.0 1.5	0.5
75+72	RT	5590	15'×30'	CMP		0	2		8	8			1.0	3.0
78+83	RT	F. ENT	N/A						0	0			0.0	0.0
78+84 79+69	LT.	2309	N/A				<u></u>		0	0			0.0	0.0
	LT	2325 2325	15'x32' 15'x43'	CMP		0	2		10	8			3. ŏ	3.5
86+60	납취		18'×43'	CMP CMP		o			14	12	1]		6.0	5.5
			- X-A7(-	citle		.0.		- **** *** ******	15	14		1	3.0	5.0
TOTALS	1				45	0	34	66	182	164	12	3	55.0	57.0

1 EARTHWERK SUMMARY:

COMMON BORROW (LV) = EMBANKMENT \times 1.5 = (55.0 + 57.0) \times 1.5 = 168.00 CU. YD.

© CMP DESIGNATES METAL PIPE WITH A STANDARD 2-2/3' x 1/2' CORRUGATION. SMP DESIGNATES METAL PIPE WITH A SPIRAL CORRUGATION.

NDTE: ENTRANCE APPROACHES SCHEDULED FOR IMPROVEMENTS SHALL BE FLATTENED TO 6:1 SLOPES.

MAILE	BOX SUPP	DRT CHAR	г В
STATION	LOCATION	ADDRESS	RELOCATE
0+00 3+62 5+00 7+57 10+45 12+95 14+70 15+90 17-14 18+50 20+26 21+17 23+29 33+52 35+42 35+96 38+06 75+98 78+40 80+11 86+43	21.4' LT 21.0' RT 21.5' RT 22.0' RT 26.0' RT 26.0' RT 29.0' RT 28.0' RT 28.0' RT 28.0' RT 28.0' RT 28.0' RT 28.5' RT 30.0' RT 28.5' RT 30.0' RT 28.5' RT 27.0' RT	1709, 7 7247173777085 740/1742/1744 1759/1764 1798 1810 1824 1832 1844 1858 1862 1873 1969 1973 1979/1976/1988 1981/1990 2290 2309 2325	2 3 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
TOTALS			31

MISCELL	ANEAOUS	REMOVA	L CHART C
STATION	LOCATION	ITEM HYDRANT (EA)	REMARKS
TOTAL		NONE	

	TURF ESTABLISHMENT D									
STATION	L.OC	SEEDING	SEED MIX 700	SODDING TYPE EROSION CONTROL	MULCH MATERIAL TYPE 1	DISK ANCHURING	COMMERCIAL FERTILIZER ANALYSIS 10-10-10	POLYPRO- PYLENE PLASTIC NETTING		
4+58	RT	SQ YD	LB.	SQ. YD.	TON	SQ YD	LB.	SQ. YD.		
6+38 11+90 11+95 13+17 13+20	RT LT RT LT RT			27 14 16 75 64 66			2.8 1.4 1.7 7.7 6.6 6.8			
14+38 14+90 15+55 17+38 18+69	RT LT RT RT RT			74 76 58 66 63			7 6 7 9 6 0 6 8 6 5			
20+13 20+64 21+42 28+23 28+23	RT LT RT LT RT	76	0,6	55 132 261 109	0.03		5.7 7.9 13.6 27.0 11.3	76		
31+78 33+61 35+18 37+42 39+60	RT LT RT RT LT	43	0.3	33 46 47 204			4.4 3.4 4.8 4.9	43		
39+60 52+81 53+31 53+31 68+17	RT RT RT RT	197 78 62 46 235	1.4 0.6 0.5 0.3 1.7		0.08 0.03 0.02 0.10		20.4 8.1 6.5 4.8 24.3	197 78 62 46 235		
70+84 71+08 75+22 75+72 78+83	LT RT RT RT	41 44 81 103 54	0.3 0.3 0.6 0.7 0.4		0.02 0.02 0.03 0.04 0.02		4.2 4.5 8.4 10.6 5.6	41 44 81 103 54		
79+69 80+24 86+60	RT RT			89 113 133	*		9.2 11.7 13.7			
TOTALS		1060	7.7	1821	0.44	00	297.9	1060		

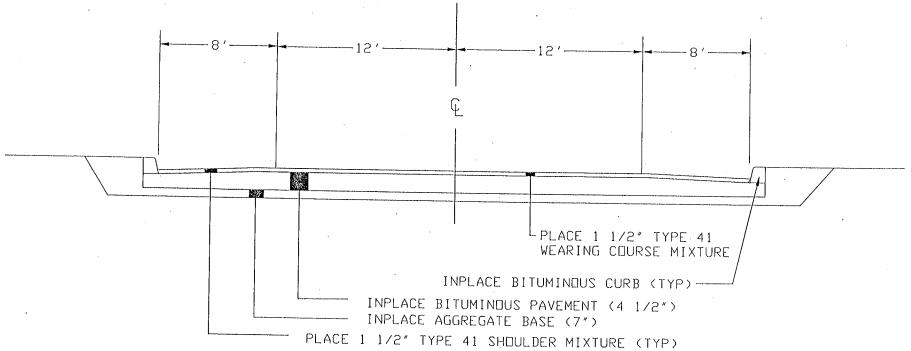
		<u> </u>							
BITUMINDUS MILLING · (E)									
NOITATS	LDC	AREA(SY)	REMARKS						
0+00 0+00 TU 0+20 40+50 40+50 60+31 TU 61+89 60+31 TU 61+89 63+45 66+17 67+73 TU 69+31 71+22 TU 71+62	RT RT RT LT RT LT RT RT LT RT RT RT RT RT RT RT RT	89 89 89 105 105 119 19 105 105 89	TOUCHDOWN POINT, 20' FULL WIDTH 20' WIDTH ACROSS CSAH 21 20' WIDTH ACROSS CR 54 20' WIDTH ACROSS CSAH 21 6' WIDTH ACROSS CSAH 21 6' WIDTH ALONG SB ENTRANCE RAMP 6' WIDTH ALONG SB EXIT RAMP 6' WIDTH AT BRIDGE APPROACH 6' WIDTH AT BRIDGE APPROACH 6' WIDTH AT BRIDGE APPROACH 6' WIDTH ALONG NB EXIT RAMP 6' WIDTH ALONG NB ENTRANCE RAMP 20' WIDTH ACROSS CR 84						
93+93	LT & RT	96	TOUCHDOWN BOINT, SO, EACH MIDTH						
TOTALS	L	999							

TABULATED QUANTITIES

S.A.P.______S.P.__02-614-20_C.P._____Sheet No. ³ of ⁶ Sheets

TYPICAL SECTION

STATION 0+00 TO STATION 13+06 () (CSAH 21 TO MILL ROAD)

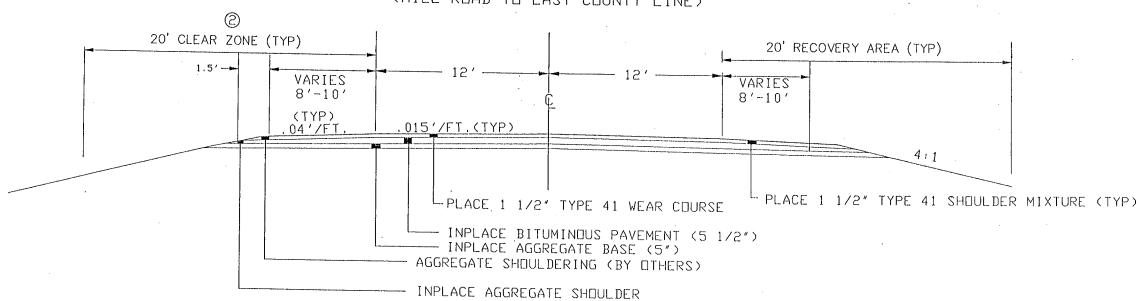


NOTES:

- ① TOTAL ROADWAY WIDTH VARIES FROM 40' TO 41' THROUGH THIS SECTION.
- PROVIDE OBSTACLE-FREE AREA
 WITHIN THIS ZONE, SEE CHART
 C FOR MISC. REMOVALS,
- MINIMUM R/W WIDTH = 50'
- 4 MINIMUM R/W WIDTH = 66'

TYPICAL SECTION

STATION 13+06 TO STATION 93+93 (MILL ROAD TO EAST COUNTY LINE)



NOTE: NOT TO SCALE

TYPICAL SECTIONS

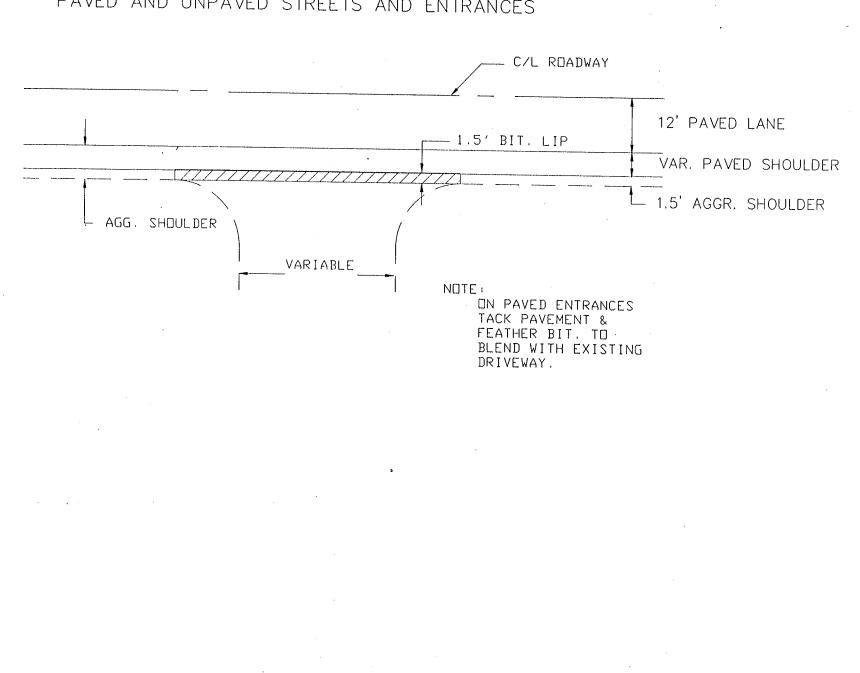
S.A.P. S.P. 02-614-20 C.P.

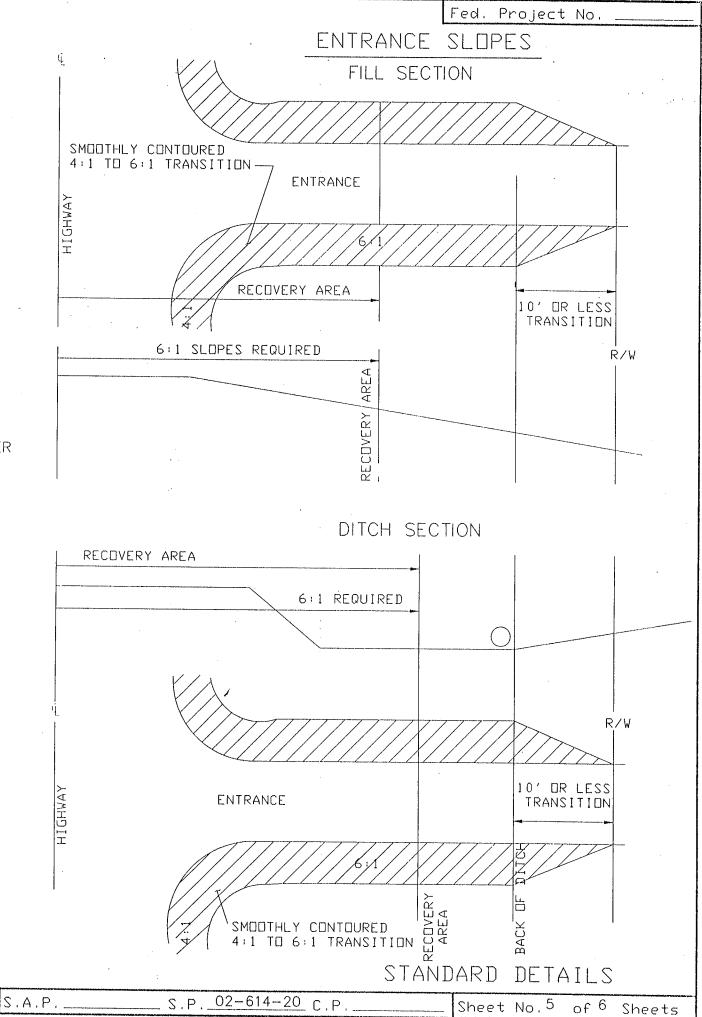
Sheet No. 4 of 6 Sheets

TYPICAL ENTRANCES

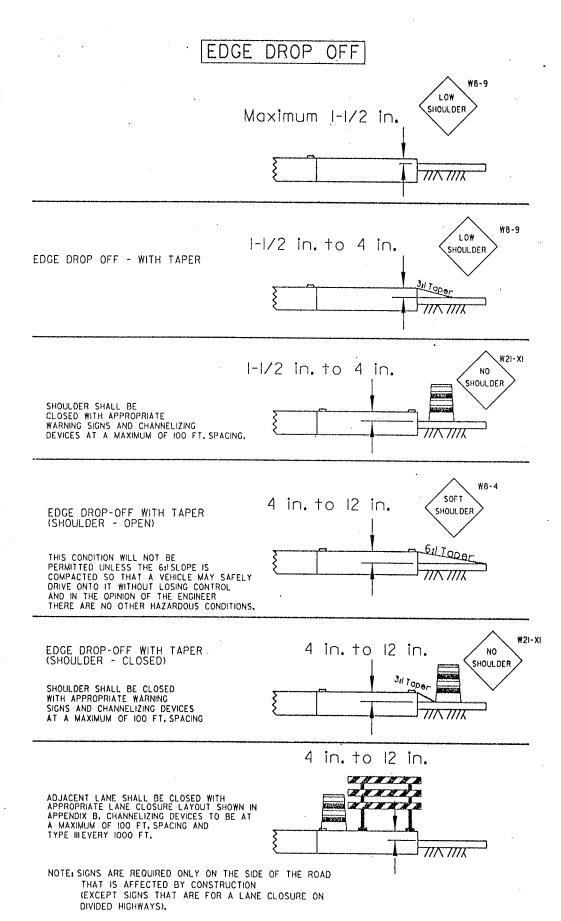
PAVED AND UNPAVED STREETS AND ENTRANCES

NOTE: NOT TO SCALE

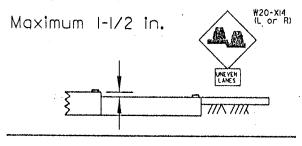




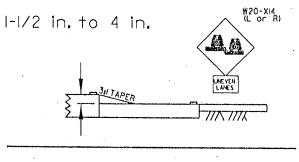




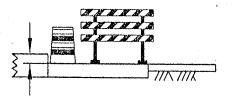
UNEVEN LANES



UNEVEN LANES - WITH TAPER



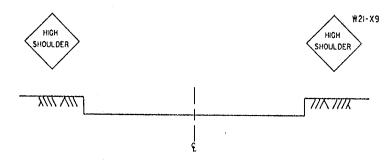
I-1/2 in. to 4 in.



LANE SHALL BE CLOSED WITH APPROPRIATE LANE CLOSURE FROM APPENDIX B. CHANNELIZING DEVICES AT A MAXIMUM OF 100 FT. SPACING AND A TYPE III BARRICADE EVERY 1000 FT.

NOTE: FOR DIVIDED HIGHWAYS, USE SIGNS ON RIGHT AND LEFT SIDE.
SIGN SEQUENCE SHOWN FOR ONE DIRECTION ONLY;
OTHER DIRECTION SHALL BE IDENTICAL.

MILLED EDGE



NOTE: MILLED EDGES SHOULD BE TREATED WITH TAPERS, CHANNELIZERS, AND SIGNING AS SHOWN ON EDGE DROP-OFF DETAILS.

NOTE: ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING APPENDIX B, DATED NOVEMBER 1992.

GUIDELINES

THESE GUIDELINES ARE INTENDED TO INCREASE TRAFFIC SAFETY USING TRAFFIC CONTROL DEVICES, SAFETY RELATED APPURTENANCES, AND CONSTRUCTION TECHNIQUES FOR UNEVEN LANES, MILLED EDGES, AND EDGE DROP-OFFS THAT OCCUR IN HIGHWAY WORK ZONES. THE BEST WAY TO INCREASE TRAFFIC SAFETY IS TO MAKE EVERY ATTEMPT TO MINIMIZE EXPOSURE TO UNEVEN LANES, MILLED EDGES, AND EDGE DROP-OFFS; HOWEVER, IT IS REALIZED THAT THIS IS OFTEN NOT POSSIBLE OR FEASIBLE. ONLY WHEN UNEVEN LANES, MILLED EDGES, OR EDGE DROP-OFFS ARE DEEMED NECESSARY, SHALL THE APPROPRIATE PORTION(S) OF THESE GUIDELINES BE APPLIED TO ENHANCE TRAFFIC SAFETY.

APPROPRIATE UNEVEN LANE WARNING SIGNS OR SHOULDER WARNING SIGNS SHALL BE REPEATED AFTER EACH INTERSECTION.

MAXIMUM WARNING SIGN SPACING SHALL BE:

- A IMILE WHEN THE SPEED LIMIT IS GREATER THAN 30 MPH AND
- B 1/4 MILE WHEN THE SPEED LIMIT IS 30 MPH OR LESS.

WHEN SPACE PERMITS, MINIMUM WARNING SIGN SIZE SHALL BE:

- A 48 INCHES \times 48 INCHES WHEN THE SPEED LIMIT IS GREATER THEN 30 MPH AND B 36 INCHES \times 36 INCHES WHEN THE SPEED LIMIT IS 30 MPH OR LESS.
- I. FOR DROP-OFFS OF I-I/2 INCHES OR LESS, APPROPRIATE WARNING SIGNS SHALL BE PROVIDED.
- 2. FOR DROP-OFFS GREATER THAN 1-1/2 INCHES UP TO 4 INCHES: A - THE EDGE SHALL BE TAPERED AND COMPACTED AT A RATE OF 3:1 AND
 - APPROPRIATE WARNING SIGNS SHALL BE PROVIDED; OR

 B IF THE TAPER IS NOT PROVIDED, TRAFFIC SHALL NOT BE PERMITTED TO CROSS
 THE DROP-OFF AND THAT PORTION OF THE ROADWAY SHALL BE CLOSED TO TRAFFIC
 WITH THE APPROPRIATE WARNING SIGNS AND DEVICES.
- 3. FOR DROP-OFFS GREATER THAN 4 INCHES UP TO 12 INCHES:
 - A THE EDGE SHALL BE TAPERED AND COMPACTED AT A RATE OF GILAND APPROPRIATE WARNING SIGNS SHALL BE PROVIDED, (GILTAPER SHALL NOT BE USED AS A TRAFFIC CARRYING LANE):
 - B THE EDGE SHALL BE TAPERED AND COMPACTED AT A RATE OF 3:1, TRAFFIC SHALL NOT BE ALLOWED TO CROSS THE DROP-OFF, AND THAT PORTION OF THE ROADWAY SHALL BE CLOSED TO TRAFFIC WITH APPROPRIATE WARNING SIGNS AND CHANNEL-IZING DEVICES; OR
 - C IF A TAPER IS NOT PROVIDED, THE TRAFFIC OR AUXILIARY LANE ADJACENT TO THE DROP-OFF SHALL BE CLOSED TO TRAFFIC WITH THE APPROPRIATE WARNING SIGNS AND CHANNELIZING DEVICES OR A POSITIVE BARRIER, SUCH AS A PORTABLE PRECAST CONCRETE BARRIER, SHALL BE PROVIDED TO PREVENT TRAFFIC FROM CROSSING THE DROP-OFF.
- 4. FOR SHOULDER EDGE DROP-OFFS:
- A 0-2 FOOT SHOULDER WIDTH AND A 0-12 INCH DROP-OFF; USE GUIDELINES AS SHOWN B 2-8 FOOT SHOULDER WIDTH AND A 0-4 INCH DROP-OFF; INSTALL EDGELINE
- OR USE GUIDELINES AS SHOWN
- C 8 FOOT OR GREATER SHOULDER WIDTH AND A 0-4 INCH DROP-OFF; NO TRAFFIC CONTROL REQUIRED
- D GREATER THAN 2 FOOT SHOULDER WIDTH AND A 4-12 INCH DROP-OFF; USE GUIDELINES AS SHOWN
- 5. DROP-OFFS GREATER THAN 4 INCHES ADJACENT TO TRAFFIC CARRYING LANES ARE PERMITTED WITHOUT TAPERS OR POSITIVE BARRIERS FOR:
 - A PROJECTS WITHIN URBAN AREA WHEN THE SPEED LIMIT IS 30 MPH OR LESS; OR B SHORT TERM (7 CALENDAR DAYS OR LESS) CONCRETE OR UTILITY REPAIR, LESS THAN 50 FEET IN LENGTH WHEN THE SPEED LIMIT IS GREATER THAN 30 MPH.
- 6. AT NO TIME SHALL THERE BE MORE THAN ONE UNEVEN LANE CONDITION BETWEEN THE TRAFFIC CARRYING LANES WHICH INCLUDE AUXILIARY LANES, TURN LANES, AND RAMP ACCESS OR EGRESS AREAS. WEATHER PERMITTING, ALL EXPOSED UNEVEN LANES CONDITIONS WITHIN THE TRAFFIC CARRYING LANES SHALL BE 'MATCHED' WITHIN 24 HOURS.
- 7. MILLING OPERATIONS SHALL BE REQUIRED TO COMPLETE THE FULL WIDTH OF THE SECTION UNDER CONSTRUCTION AT THE END OF EACH WORK PERIOD.

Traffic ControlTreatment of Longitudinal Joints and Edge Drop-offs in Work Zones