Form 413 Rev. 1959

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT-OF-WAY LINE
PRESENT ROAD R/W LINE
LIMITED ACCESS
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
STEAM RAILROAD
ELECTRIC RAILROAD
RAILROAD RIGHT-OF-WAY LINE
CREEK
RAPIDS OR WATERFALL
DRY RUN
DRAINAGE DITCH
HIGH TENSION LINE
POWER POLE LINE
TELEPHONE OR TELEGRAPH LINE
TELEPHONE CONDUIT
GUARD RAIL
WIRE FENCE
RAILROAD SNOW FENCE
BOARD OR HIGHWAY SNOW FENCE
STONE WALL OR FENCE
GAS MAIN
WATER PIPE
SEWER PIPE
DRAIN TILE
GRAVEL PIT
SAND PIT
CLAY PIT
ROCK QUARRY
SPRINGS
MARSH

TIMBER
BRUSH
ORCHARD
ROCK LEDGE
SAND
EDGE OF CUT
TOE OF EMBANKMENT
CATCH BASIN
MANHOLE
DROP INLET
FIRE HYDRANT
ARC LAMP
OTHER LAMPS (State Kind)
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
CATTLE GUARD
OVERHEAD (Highway Over)
UNDERPASS (Highway Under)
ABUTMENT, WALL & PIER
BRIDGE
CULVERT
BUILDING (One Story Frame)
C-CONCRETE S-STONE T-TILE B-BRICK ST.-STUCCO
HEDGE
IRON PIPE
STONE MONUMENT
WOOD STAKE OR HUB
MEANDER CORNER

T108N. R24W. / 35 36 / 2 1 / R23W. T107N.

CENTER SECTION 35 T108N. R24W.

12 / 1/4 / 13

NOTE: SECTION NUMBERS READ FROM THE SOUTH

N

STATE OF MINNESOTA

DEPARTMENT OF HIGHWAYS

Grading, Box Culverts

CONSTRUCTION PLAN FOR and Crushed Rock Base Inplace

County State Aid Highway No. 98 & 11

(CSAH 9) C & NW Railway AND CR "R"

BETWEEN (CSAH 11) TH No. 14 AND CSAH 2

From: (CSAH 9) 1528.25' W. of the S 1/4 Cor. Sec 33 T107N-R13W To: S 1/4 Cor Sec 35 T107N-R13W

From: (CSAH 11) 1102.66' N. of the SW Cor Sec 3 T106N-R13W To: 3034.1' NW of the Center of Sec 22 T107N-R13W

GROSS LENGTH	29,357.28 FEET	5.560 MILES
BRIDGES LENGTH	0.00 FEET	0.00 MILES
EXCEPTIONS LENGTH	0.00 FEET	0.00 MILES
NET LENGTH	29,357.28 FEET	5.560 MILES

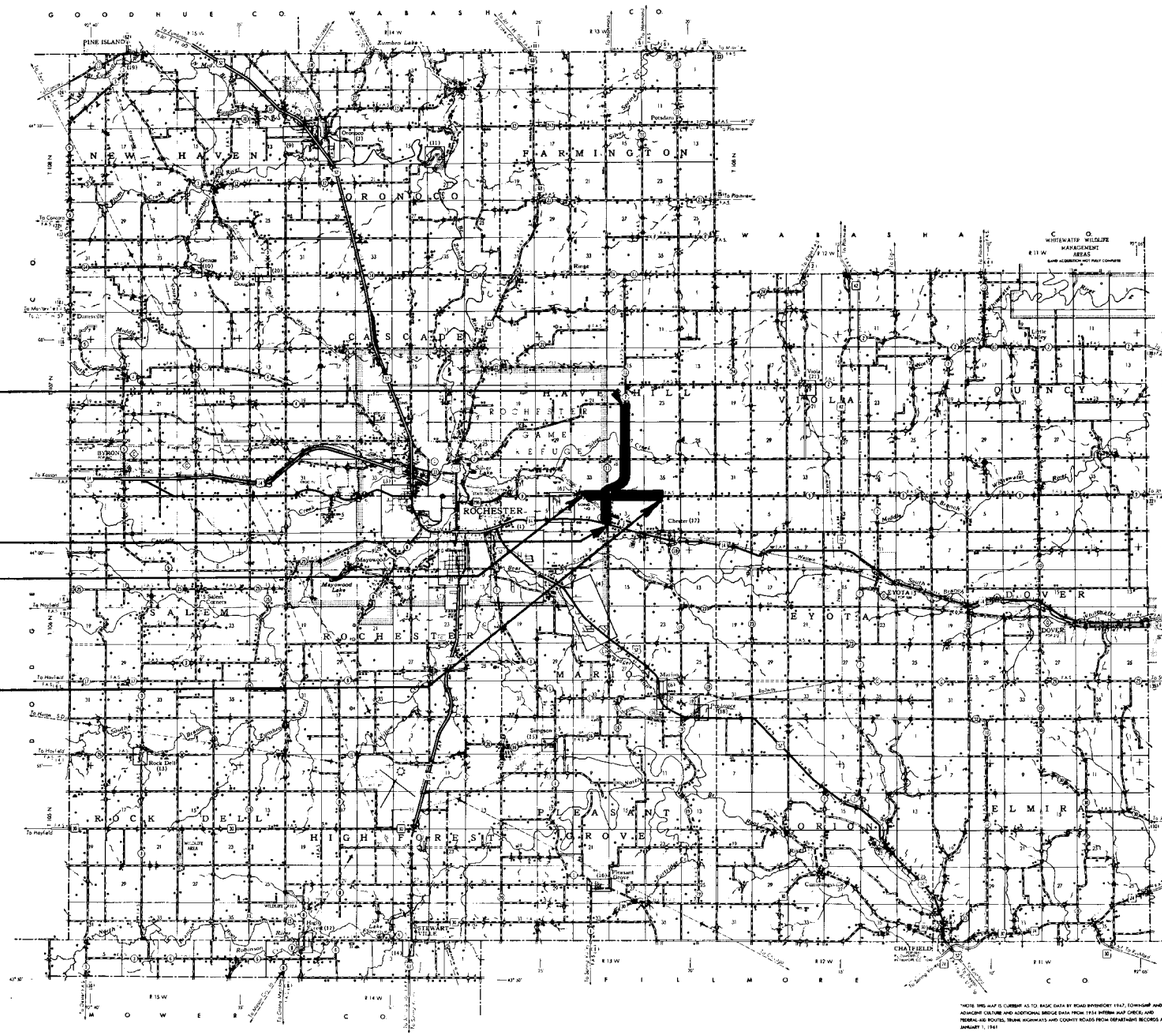
MINN. PROJ. _____

SCALES
- PLAN, 1 Inch = 100 Feet
- PROFILE, Horz. 1 Inch = 100 Feet. Vert. 1 Inch = 10 Feet
- WORKING PLANS: Horz. 1 Inch = 100 Feet; Vert. 1 Inch = 10 Feet; Cross-Section 1 Inch = 10 Feet

LAYOUT
Scale, 1 Inch = 10560 Feet

INDEX OF SHEETS

Sheet No. 1. Title Sheet & Layout Map
" No. 2. Est. Quantities
" No. 3. Typical Sections
" No. 4 To 7 Plan and Profile (CSAH 9)
" No. 8 To 14 Plan & Profile (CSAH 11)
" No. 15 & 16 Bridge Sheets
" No. 17 To 36 Cross Sections (CSAH 9)
" No. 37 To 77 Cross Sections (CSAH 11)



End S.A.P. 55-611-02
Sta. 386+43.82

Begin S.A.P. 55-611-02
Sta. 200+00

TEMPORARY CONNECTION: Sta. 98+00 To Sta. 104+90 − 690' = 0.131 Mile

Begin S.A.P. 55-609-01
Sta. 104+90

End S.A.P. 55-609-01
Sta. 212+03.46

Design Speed 50 M.P.H. Except Sta. 381+99.07 to Sta. 386+43.82 CSAH 11 35 M.P.H.

Projected ADT 1424 CSAH 9
Projected ADT 350 CSAH 11

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

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.

G. J. Sullivan — DATE 3-17-64
COUNTY ENGINEER
Olmsted — COUNTY — REG. NO. 1207

RECOMMENDED FOR APPROVAL _____ DISTRICT ENGINEER 19 64

RECOMMENDED FOR APPROVAL _____ 19 64

APPROVED _____ 19 __ _____ STATE AID ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____

—SPECIFICATIONS—

THE "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JAN. 1, 1964 SHALL GOVERN.

MICRO-FILMED

Minn. Proj. No. _____ State Proj. No. _____ State Aid Project No. 55-609-01 55-611-02

Olmsted County, Minnesota — County Proj. No. _____ Plan No. _____ Sheet No. 1 of 77 Sheets

H. A. ROGERS CO. Minneapolis

FORM 129c - No. 2 Rev. '

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SEC.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	MINN.					

ESTIMATED QUANTITIES

SPECIFICATION NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES	CSAH 11 55-611-02	CSAH 9 55-609-01
2101.502	Clearing	Tree	194	144	50
2101.507	Grubbing	Tree	264	155	109
2104.501	Remove Portable Culverts	Lin. Ft.	1062.5	562	500.5
2442.501	Remove Old Bridge (Lf Sta. 140+21)	Bridge	One		One
2442.501	Remove Old Bridge (Sta. 229+07)	Bridge	One	One	
2442.501	Remove Old Bridge (Sta. 323+85)	Bridge	One	One	
2105.501	Class A Excavation	Cu. Yd.	153,662	118,023	35,639
2105.502	Class B Excavation	Cu. Yd.	138,243	94,031	44,212
2105.504	Class SG Excavation	Cu. Yd.	14,052	7,708	6,344
109.621	Obliterating Old Road	Acre	2.93	1.67	1.26
2130.501	Water	M. Gal.	425	243	182
* 2210.526	Crushed Rock Base Inplace	Tons	23,797	13,864	9,933
2122.533	Crushed Rock in Stockpile	Tons	52,431		
2411.501	Concrete	Cu. Yd.	988.44	715.56	272.88
2411.511	Structure Excavation (Class U)	Cu. Yd.	2,200	1,963	237
2411.541	Reinforcement Bars	Lb.	130,285	91,088	39,197
2441.502	Single Lane By-Pass	By-Pass	2	2	
2451.503	Granular Backfill	Cu. Yd.	1,094	1,094	
2413.511	FBI 48"X36"D Timber Box Culv.	Lin. Ft.	64		64
2413.511	FBI 48"X60" Timber Box Culv.	Lin. Ft.	118	118	
2413.512	FBI 48"X36"D Timber Culv. End Sections	End Sections	4		4
2413.512	FBI 48"X60" Timber Culv. End Sections	End Sections	4	4	
2501.511	FBI 18"CMP Culverts	Lin. Ft.	1,656	1,156	500
2501.511	FBI 24"CMP Culverts	Lin. Ft.	220	220	
2501.511	FBI 30"CMP Culverts	Lin. Ft.	32		32
2501.511	FBI 36" CMP Culverts	Lin. Ft.	28	28	
2501.521	FBI 24" RCP Culverts Class II	Lin. Ft.	214	142	72
2501.521	FBI 24" RCP Culverts Class III	Lin. Ft.	118	54	64
2501.521	FBI 24" RCP Culverts Class IV	Lin. Ft.	112	112	
2501.521	FBI 30" RCP Culverts Class II	Lin. Ft.	68		68
2501.521	FBI 30" RCP Culverts Class III	Lin. Ft.	52	52	
2515.531	FBI Metal Aprons For 18" CMP	Apron	96	68	28
2515.531	FBI Metal Aprons For 24" CMP	Apron	4	4	
2515.531	FBI Metal Aprons For 30" CMP	Apron	2		2
2515.531	FBI Metal Aprons For 36" CMP	Apron	2	2	
2515.541	FBI Conc Aprons For 24" SCP	Apron	12	8	4
2515.541	FBI Conc Aprons For 30" SCP	Apron	4	2	2

* Item No. 2210.526 Includes 1036 Tons For Approaches and 392 Tons For County & Twp Roads.

STANDARD DETAIL PLATES

Standard Detail Plates issued October 1, 19 and submitted for approval by the Division Engineer of the Public Roads Administration October 15, 19 shall govern

PLATE NO.	STANDARD DETAIL PLATES
3000 B	Reinforced Concrete Pipe
3060 B	Timber Box Culvert
3061	
3100 C	Concrete Aprons For Reinforced Conc Pipe
3102 B	
3123 A	Metal Apron For CMP Pipe
9000	Approachs and Entrances

TYPICAL GRADING SECTIONS

SPECIAL DETAILS

TYPICAL BASE & SURFACE SECTIONS

Note: Material from the upper 1.0' of the natural topsoil shall not be used in the upper 1.0' of the roadbed. Part of this material shall be uniformly spread on slopes and ditch bottoms to a depth of 3". No payment in addition to the contract price for Class A excavation will be made for spreading the topsoil as above provided nor will any undercutting made in excavation prior to placing the topsoil, be measured for payment.

Note: Corrugated metal and Sectional Concrete pipe culvert excavation will be considered incidental, and will be under unit price for "Furnish and Install Culvert Pipe."

Note: Subgrade Treatment:
Excavate 1.0' below profile grade for compaction, as shown on the plan and profile sheets. Excavation has been computed and is listed as SG Excavation. Backfill with select material from R.O.W. Tapers shall be 50:1 in all cases.

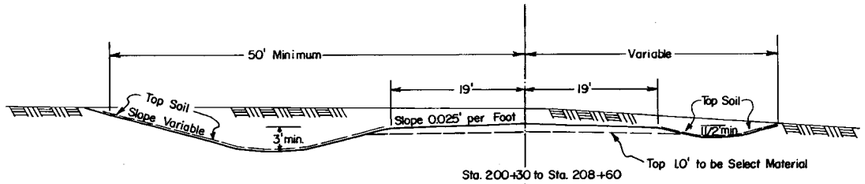
Note: Place Sectional Concrete Pipe on Class B and Class C Bedding.

Note: All dimensions and slopes shown on typical sections are approximate.

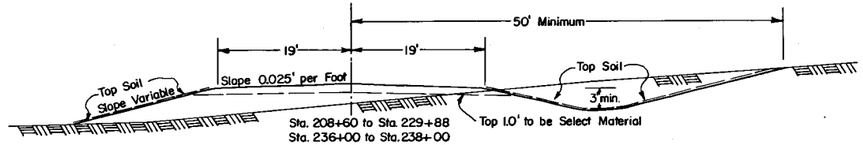
Note: Dimensions shown on Typical Grading sections shall govern, regardless of what is shown on the cross sections.

H.A. ROGERS CO.
MPLS MINN.

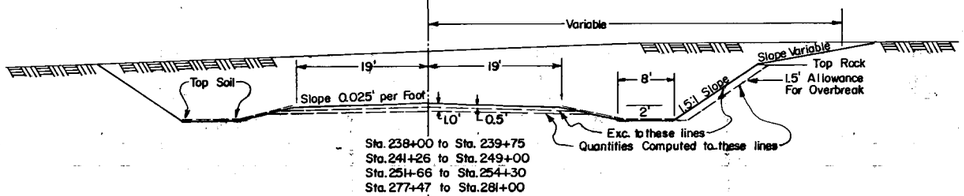
TYPICAL GRADING SECTIONS (CSAH 11)



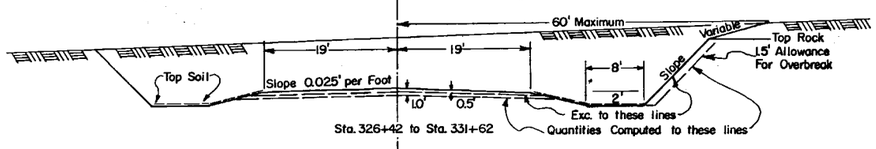
Sta. 200+30 to Sta. 208+60



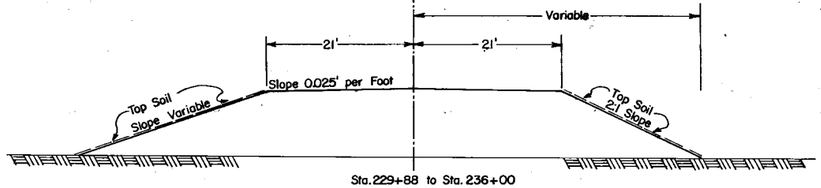
Sta. 208+60 to Sta. 229+88
Sta. 236+00 to Sta. 238+00
Sta. 257+30 to Sta. 263+50
Sta. 268+30 to Sta. 277+47
Sta. 281+00 to Sta. 282+31
Sta. 284+57 to Sta. 322+77
Sta. 331+62 to Sta. 386+43



Sta. 238+00 to Sta. 239+75
Sta. 241+26 to Sta. 249+00
Sta. 251+66 to Sta. 254+30
Sta. 277+47 to Sta. 281+00

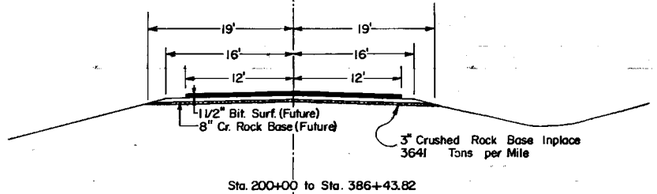


Sta. 326+42 to Sta. 331+62



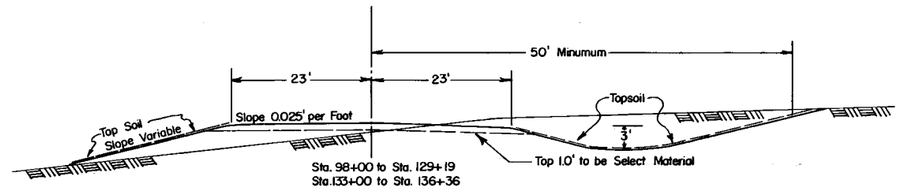
Sta. 229+88 to Sta. 236+00
Sta. 249+00 to Sta. 251+66
Sta. 254+30 to Sta. 257+30
Sta. 263+50 to Sta. 268+30
Sta. 282+31 to Sta. 284+57
Sta. 322+77 to Sta. 326+42

TYPICAL BASE & SURFACE SECTION (CSAH 11)

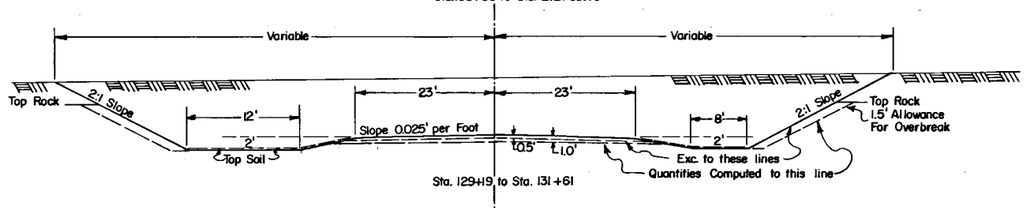


Sta. 200+00 to Sta. 386+43.82

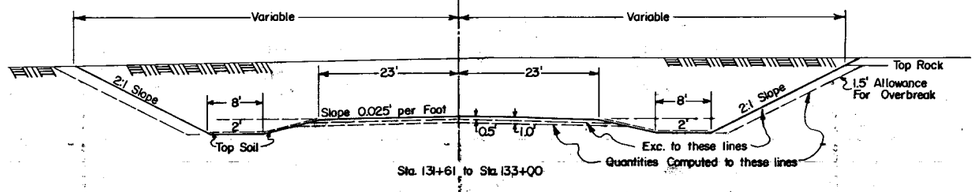
TYPICAL GRADING SECTIONS (CSAH 9)



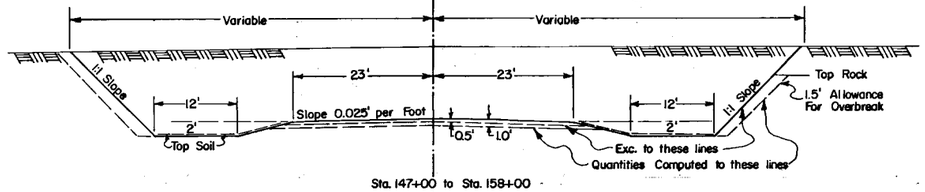
Sta. 98+00 to Sta. 129+19
Sta.133+00 to Sta. 136+36
Sta.158+00 to Sta. 212+03.46



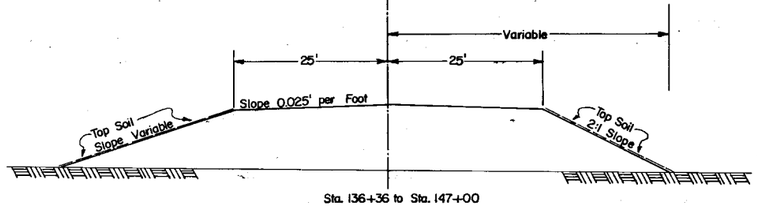
Sta. 129+19 to Sta. 131+61



Sta. 131+61 to Sta. 133+00

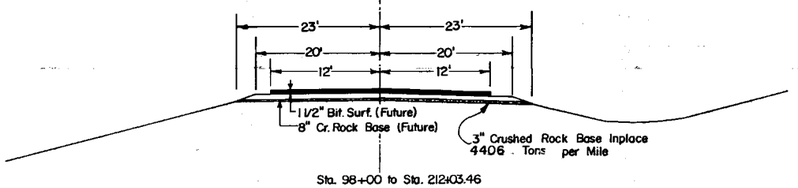


Sta. 147+00 to Sta. 158+00



Sta. 136+36 to Sta. 147+00

TYPICAL BASE & SURFACE SECTION (CSAH 9)



Sta. 98+00 to Sta. 212+03.46

CONTROL DIST. NO.	STATE	FEDERAL PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

106+28 FE Lt
Inpl 2-30"X60"X 20.5' CMP-A
Remove
F&I 48"X36"D X 32' Timber Box Culvert
F&I 2-48"X36" End Sections
For Timber Box Culverts

108+65 FE Lt
Inpl 2-30"X60"X 20' CMP-A
Remove
F&I 48"X36"D X 32' Timber Box Culvert
F&I 2-48"X36" End Sections
For Timber Box Culverts

117+90 FE Lt
Inpl 15"X 26' CMP
Remove
F&I 18"X28' CMP
F&I 2-18" Metal Aprons
For CMP

TEMPORARY CONNECTION
Sta. 98+00 To Sta. 104+90

Begin S.A.P. 55-609-01
Sta. 104+90

P.I. 106+38.25
Δ Rt 0°00'

33
14
4

Tile Outlet

66.82'

CSAH 9

Chicago and Northwestern

95.55'

63.60'

57.85'

28.9'

39.76'

37.28'

61.93'

Sewer Tile Outlet

Ho.

T.C. 124+63.85

R.C. 125+1398

98+25 Culv under Tracks
Inpl 60"X16' SCP and
5'X5'X39' Masonry Box

98+56 ℄ Culv
Inpl 48"X28' CMP

98+60 ℄ Culv
Inpl 48"X28' CMP

114+53 FE Rt
Inpl 24"X29' CMP
Remove
F&I 30"X 32' CMP
F&I 2-30" Metal Aprons
For CMP

PLAN
REVIEWED
APPROVED
PLANS MUST CHECK WITH
NOTE BOOK
NO.
PLANS WHEN SHEETED

PROFILE
REVIEWED
APPROVED
PLANS MUST CHECK WITH
NOTE BOOK
NO.
PLANS WHEN SHEETED

B.M. Elev. 1057.90'
Marker 60' Rt Sta.
98+17 SW Cor. Hdwl

B.M Elev. 1066.98'
Spk in PP 57' Lt
Sta. 115+98

Finished ℄ Grades

Profile .75' Lt
Profile .75' Rt

P.I. +00
Elev. 57.8
600' V.C.
M=0.9'

-0.5%

+0.7%

+5.6 %

P.I.+93.87755
Elev. 69.65714
500' V.C.
M= 3.0625'

P.V.C.+00
Elev. 59.3

P.V.T.+00
Elev. 59.9

P.V.C.+43.87755
Elev. 67.90714

P.V.T.+43.87755
Elev. 83.65714

P.V.C.+00
Elev. 09.2

Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 98+00 to Sta. 116+75

TEMPORARY CONNECTION

Present ℄ Grades

Sheet prepared for 55-609-01 (CSAH 9) Sheet No. 4 of 77 Sheets

129+30 FE Lt
Inpl 15"X 41' CMP
Remove
F&I 18"X 32' CMP
F&I 2-18" Metal Aprons
For CMP

132+48 CSAH 11 Lt
No culv Inpl
No Culv. Req'd
Construct 50' Sh. Radius

134+12 FE (Lt old road)
Inpl 15"X 24' CMP
Remove
F&I 18"X 28' CMP
F&I 2-18" Metal Aprons
For CMP

138+50 FE (Lt old road)
Inpl 15"X 26' CMP
Remove
Remove F.Ent.

139+42 FE (Lt old road)
Inpl 24"X 24' CMP
Remove
Extend F. Ent.
F&I 18"X 112' CMP
F&I 2-18" Metal Aprons
For CMP

140+21 ℄ Bridge (old road)
Inpl 18' Span 10' Rise 18' Roadway
I Beam Structure, Masonry Abutments, Concrete Deck
Remove
139+90 Const. C1212 X 94' Conc Box Culvert
Conc. 272.88 Cu. Yds.
Reinf. Bars 39,197 lbs.
Class U Exc. 237 Cu. Yds.

Notes in Back pk Book # 592
@ 137+20
148' from Nat. Lt Shoulder of New Road
to Nat. Shoulder of Old Rd

Obliterate Old Road
1.26 Acres

Ho.

T.10 N. R.3 W. 33 34 4 3 R.2 E. T.09 N.

66'

CSAH 11

Office Rev.
P.I. 128+31.6
Δ Rt 10° 51'
D 1°30'
T 362.75'
L 723.33'

P.I. 128+82.9
Δ Rt 11°02'
D 1°30'
T 368.92'
L 735.55'

P.C. 124+68.85

P.C. 125+13.98

P.T. 132+49.53

132+48 CSAH 11 Rt
No culv Inpl
No Culv. Req'd
Construct 50' Sh. Radius

135+28 FE (Rt old road)
No culv Inpl
Remove F Ent.
Const. F Ent. Rt. Sta. 133+65
F&I 18"X 28' CMP
F&I 2-18" Metal Aprons
For CMP

141+42 FE (Rt old road)
No culv Inpl
Remove F Ent.

Const. F Ent Rt. Sta. 145+00
No Culv. Req'd

P.C. 142+08.07

P.I. 147+74.77
Δ Lt 33°03'
D 3°00'
T 566.70'
L 1101.67'

P.T. 152+09.74

P.C. 153+78.96

Cl. 50 Gr. 109

B.M. Elev. 1142.82'
Spk in PP Lt
Sta. 132+68

B.M. Elev. 1110.60'
X in SE Wing of
Bridge Lt 140+30

B.M. Elev. 1140.06
Spk in T.P. 48' Lt
Sta. 146+26

B.M. Elev. 1199.02'
Spk in PP 44' Lt
Sta. 152+03

Profile 75' Rt
Profile 75' Lt

Finished ℄ Grades

Present ℄ Grades

P.I. +50
Elev. 40.0
1100' V.C.
M=12.1'

P.V.C. +00.0 Elev. 09.2

+5.6%

Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 27+75 to Sta. 129+35

P.V.I. +09.47368
Elev. 09.29685
800' V.C.
M=9.5'

P.V.C. +05.55550 Elev. 03.54939

-3.2%

+6.3%

P.V.T. +09.47368 Elev. 34.49684

Note: 24,100 Cu. Yds. of Class B Material from this balance to be crushed and either stockpiled or placed on road. This material not shown with Class B Excavation.

EXC Class A 7231
Class B 21224
Class SG 1972

EMB 27285

EXC Class A 2385
Class B 4375

EMB 5865

EXC Class A 8135
Class B 16470

EMB 45184
Class A 8135 from CSAH 9
Class A 3725 from CSAH 11
Class B 16470 from CSAH 9
Class B 20160 from CSAH 11

Inlet Elev. 96.5
Outlet Elev. 95.3

55-609-01 (CSAH 9)

FED ROAD DIST NO	STATE	FEDERAL PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS

16.0
59 2
C. 8

155+63 FE Lt
Inpl 18" X 30' CMP
Remove
F&I 18" X 32' CMP
F&I 2-18" Metal Aprons
For CMP

157+48 FE Lt
Inpl 15" X 28' CMP
Remove
F&I 18" X 32' CMP
F&I 2-18" Metal Aprons
For CMP

Notes in Back of Book 592

157+24 FE Lt
50' from ℄ New 18 old Rd shoulder
1221.3 24" old Rd shoulder
1221.9 36" old Rd shoulder
1223.2 North St old Rd

171+69 ℄ Culv
Inpl 18" X 36' CMP
Remove
F&I 24" X 64' RCP Class III
F&I 2-24" Conc Aprons
For SCP
Place Culv. on "B" Bedding

P.I. 157+50.5
Δ Rt 22°02
D 3°00
T 371.54'
L 734.44'

159+17 FE Rt
Inpl 15" X 24' CMP
Remove
F&I 18" X 28' CMP
F&I 2-18" Metal Aprons
For CMP

168+33 FE Rt
Inpl 15" X 24' CMP
Remove
F&I 18" X 32' CMP
F&I 2-18" Metal Aprons
For CMP

P.C. 153+78.96
P.T. 157+09.74
P.O.T. 161+15.07
P.T. 161+13.40

PLAN — STATE OF ILLINOIS — DEPARTMENT OF TRANSPORTATION — DIVISION OF HIGHWAYS — NOTE BOOK NO.

B.M. Elev. 1228.21'
Spk in PP 33' Rt
Sta. 160+41

B.M. Elev. 1234.03'
Spk in PP 30' Rt
Sta. 171+33

Profile 75' Rt
Profile 75' Lt

Note: Durable Lime Rock for Crushing to be taken from Sta. 149+00 to Sta. 157+86

+6.3%
+0.45%
-0.55555%

P.I. +55.55555
Elev. 31.89999
900' V.C.
M=6.58125'

P.I. +00
Elev. 42.0
400' V.C.
M=0.975'

Inlet Elev. 33.8
Outlet Elev. 31.0

Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 159+50 to Sta. 171+25

Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 177+50 to Sta. 184+60

PROFILE — STATE OF ILLINOIS — DEPARTMENT OF TRANSPORTATION — DIVISION OF HIGHWAYS — NOTE BOOK NO.

FED. ROAD DIST. NO.	STATE	FEDERAL PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

185+69 Double FE Lt
Inpl 15"X 40' CMP
Remove
Remove F.Ent.

185+10 Const. F.Ent. Lt
F&I 18"X28' CMP
F&I 2–18" Metal Aprons
For CMP

186+10 Const. F.Ent. Lt.
F&I 18"X28' CMP
F&I 2–18" Metal Aprons
For CMP

200+68 FE Lt
Inpl 15"X 26' CMP
Remove
F&I 18"X 32' CMP
F&I 2–18" Metal Aprons
For CMP

204+65 FE Lt
No culv Inpl
F&I 18"X 28' CMP
F&I 2–18" Metal Aprons
For CMP

End S.A.P. 55-609-01
Sta. 212+03.46

P.I. 185+69.14
5/8" iron rod

P.I. 212+03.46
Inpl 5/8" steel rod

186+82 ℄ Culv
Inpl 24"X 42' CMP
Remove
F&I 30"X 68' RCP Class II
F&I 2–30" Conc Aprons
For SCP
Place Culv. on Class C Bedding

205+05 FE Rt
No culv Inpl
F&I 18"X 32' CMP
F&I 2-18" Metal Aprons
For CMP

208+88 ℄ Culv
Inpl 24"X 40' CMP
Remove
F&I 24"X 68' RCP Class II
F&I 2–24" Conc Aprons
For SCP
Place Culv. on Class C Bedding

212+03 CR "R" Rt
Inpl 24"X 50' CMP
2-24" Metal Aprons
No Change

B.M. Elev. 1232.29'
Spk in PP 29' Rt
Sta. 185+69

B.M. Elev. 1261.33'
Spk in PP 30' Rt
Sta. 201+97

B.M. Elev. 1268.45'
Spk in oak NE of
Intersection CR "R"

Profile 75' Lt
Profile 75' Rt

Elev. 39.0
P.V.T. +00
-1.5%
P.V.C. +71.83098
Elev. 36.42254
P.V.T. +71.83098
Elev. 37.62253
Inlet Elev. 31.8
Outlet Elev. 28.0
P.I. +71.83098
Elev. 33.42253
400' V.C.
M=1.7750'
Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 187+50 to Sta. 189+50

+2.05%
P.V.C. +00
P.I. +00
Elev. 66.8
400' V.C.
M= 1.3250'
P.V.T. +00
-0.6%
Elev.
P.V.C. +00
Inlet Elev. 60.3
Outlet Elev. 55.5
P.I. +00
Elev. 63.8
400' V.C.
M= 0.75'
P.V.T. +00
+0.9%
Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 191+40 to Sta. 207+20
Subgrade Treatment
Excavate 1.0' Below Profile Grade
Sta. 210+30 to Sta. 212+03

EXC Class A 17888
Class B 2143
Class SG 4372

EMB 14286

Finished ℄ Grades: 40.3 39.0 37.5 36.0 35.2 35.3 36.25 38.10 40.15 42.2 44.25 46.3 48.35 50.4 52.45 54.5 56.55 58.6 60.65 62.7 64.45 65.5 65.9 65.6 65.0 64.6 64.6 64.9 65.6 66.5 67.4

Present ℄ Grades: 42.7 39.9 37.6 36.8 35.4 35.0 34.6 34.6 35.2 36.1 37.3 39.5 42.2 43.5 44.8 46.4 47.4 48.0 50.0 51.5 52.5 53.4 54.1 54.4 54.8 55.0 55.5 56.2 58.3 60.1 60.7 63.0 64.8 65.8 66.3 66.5 66.1 65.8 64.7 63.8 63.7 63.8 64.7 65.9 66.7 66.9 67.3 67.3 68.4 69.0 69.0

185 190 195 200 205 210 215

PLAN / PROFILE — SURVEYED, PLOTTED, TRACES CHECKED, NOTE BOOK, NO., STA., DATE, BY, CURVATURE CHKD., CENTERLINE CHECKED, R/W MONUMENTS SET, NOTES

State Proj. No. 55-609-01 (CSAH 9) Sheet No. 7 of 77 Sheets