FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	1	89

DIVISION JOB NO. 3321

INDEX OF SHEETS

SHEET NO. 1 TITLE SHEET
" " 2 TYPICAL CROSS SECTION OF IMPROVEMENT & ESTIMATE
" " 3-4 & 5 RIGHT-OF-WAY.
" " 6 PLAN AND PROFILE STA. 0-42 TO STA. 60A+0
" " 7 " " " 60A+0 " " 90+0
" " 8 " " " 90+0 " " 120+0
" " 9 " " " 120+0 " " 180+0
" " 10 " " " 180+0 " " 210+0
" " 11 " " " 210+0 " " 240+0
" " 12 " " " 240+0 " " 270A+0
" " 13 " " " 270A+0 " " 299+0
" " 14 " " " 299+0 " " 330+0
" " 15 " " " 330+0 " " 390+0
" " 16 " " " 390+0 " " 420+0
" " 17 " " " 420+0 " " 450+0
" " 18 " " " 450+0 " " 480+0
" " 19 " " " 480+0 " " 540+0
" " 20 LOCATION DIAGRAM MASON BRIDGE
" " 21 " " " KELLY "
" " 22-27 DRAINAGE STRUCTURES
" " 28 STANDARD DESIGNS
" " 29 OVERHAUL DIAGRAM
" " 30-89 CROSS SECTIONS

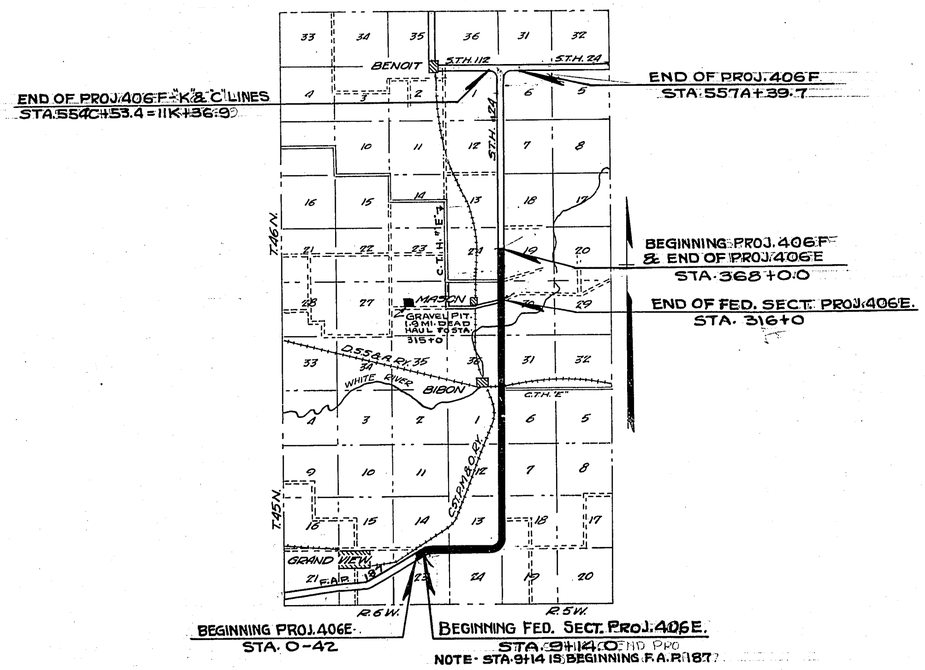
STATE OF WISCONSIN
WISCONSIN HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED
ASHLAND-HAYWARD-TREGO ROAD
GRAND VIEW-BENOIT
BAYFIELD COUNTY
FEDERAL AID PROJECT

BEGINNING APPROX. 500' S.E. OF N. 1/4 COR. SEC. 23 T. 45 N. R. 6 W. THENCE EASTERLY 1 1/4 MILES & NORTHERLY 5 3/4 MILES.

SCALES { PLAN, 1 IN. = 100 FT.
PROFILE, HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS. HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.

Note: Federal Aid Section begins at Sta. 9+14, - or 914 lin. ft. E. of point of beginning described above.



LAYOUT

SCALE 2 IN. = 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 6.9785 Mi. 6.9785

TOTAL NET LENGTH - FED. AID SECT. - STA. 9+14 - 316+0. = 5.817

CONVENTIONAL SIGNS

STATE AND NATIONAL LINE
COUNTY LINE
CITY, VILLAGE, OR TOWN
TOWNSHIP LINE
SECTION LINE
FENCE LINE
GUARD RAIL
UNFENCED PROPERTY
RIGHT OF WAY LINE
TRAVELED WAY
RAILROADS
RETAINING WALL
LEVEE
BASE OR SURVEY LINE

CULVERTS
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE OR TELEGRAPH POLES
MAIL BOX
REFERENCE STAKES
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE
GRADE ELEVATION — DATUM LINE

WISCONSIN HIGHWAY COMMISSION
MADISON-WIS.

Surveyor R.E.M.M. Note Book [illegible]
Div. Computer B.S.B. M.O. Checker
Div. Checker E.B.H. Correct

CORRECT:
H. J. Holmes 3/14/28
DIVISION ENGINEER.

RECOMMENDED FOR APPROVAL:
C. H. Swanson
DEPUTY STATE HIGHWAY ENGINEER.

APPROVED: DATE 3/20 1928
H. J. Tiemann
STATE HIGHWAY ENGINEER.

U.S. DEPARTMENT OF AGRICULTURE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:
[redacted]
DISTRICT ENGINEER.
[redacted]
CHIEF ENGINEER.

APPROVED:
[redacted]
DIRECTOR.

DATE:

W. E. McLane Mar. 6 1928
PLAN INSPECTION MADE CONS. ENGR. DIV. 8 DATE

Original Contract

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	2	99

DIVISION JOB NO. 8331

ESTIMATE OF QUANTITIES.

THIS PROJECT IS TO BE EXECUTED UNDER WISCONSIN STANDARD SPECIFICATIONS AS SUBMITTED BY THE U. S. BUREAU OF PUBLIC ROADS ON MARCH 9, 1928.

MILE NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION: EARTH	LOOSE ROCK	SOLID ROCK	SIDE DITCH	BORROW	CHANNEL CHANGE	INTERCEPTING DITCH	OFFTAKE AND OUTLET DITCH	SURFACING: BANK PROTECTION	OVERHAUL	EXPANSION JOINTS	REINF. STEEL IN PAV'T	CONC. CURBING	CUT OFF WALL	TYPE "B" 26 FT. GRAVEL SURFACING	FT. SHALE SURFACING	26 FT. TOP SOIL SURFACING IN PLACE	DRAINAGE STRUCTURES: CULVERTS 6 FT. SPAN AND UNDER CONC.	CULVERTS 6 FT. SPAN AND UNDER STEEL	SMALL BRIDGES 6 FT. TO 20 FT. SPAN INCLUSIVE CONC.	SMALL BRIDGES 6 FT. TO 20 FT. SPAN INCLUSIVE STEEL	BRIDGES OVER 20 FT. SPAN CONC. CLASS 'A'	BRIDGES OVER 20 FT. SPAN CONC. CLASS	BRIDGES OVER 20 FT. SPAN REINF. STEEL	BRIDGES OVER 20 FT. SPAN BALUSTERS	BRIDGES OVER 20 FT. SPAN STRUCT. STEEL	BRIDGES OVER 20 FT. SPAN CAST STEEL	CORRUGATED GALV. SHEET METAL PIPE TYPE I 18 IN.	CORRUGATED GALV. SHEET METAL PIPE TYPE I 24 IN.	CONCRETE PIPE 24 IN.	CONCRETE PIPE 30 IN.	CONCRETE PIPE 48 IN.	PILING	RIP-RAP BRIDGE	CAST IRON FLOOR DRAINS	ROCK BREAK'R WALL	CURB AND GUTTER STANDARD	CURB AND GUTTER SPECIAL	FLUME	CONC. PAVED DITCHES	GRAVEL GR. EL PIT	GUARD FENCE TYPE 'A'	GUARD FENCE TYPE 'B'	GUARD FENCE TYPE 'C' POSTS	PROJECT MARKER	MARKER POSTS	MILE NO.
		LIN. FT.	ACRES	ACRES	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	LIN. FT.	CU. YDS.	SQ. YDS.	STA-YDS.	NO.	LBS.	LIN. FT.	LIN. FT.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	LBS.	CU. YDS.	LBS.	CU. YDS.	CU. YDS.	LBS.	NO.	LBS.	LBS.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	ACRES	LIN. FT.	LIN. FT.	NO.	NO.	NO.	
1	0+0 - 52+0	5242.0	1.93	1.93	5215	300			24		1692	30							2052.7														216															1
2	52+0 - 105+0	5292.9	4.45	4.45	11301	800	200		30		500	75							2084.4														66	140	80													2
3	105+0 - 158+0	5300.0	1.77	1.77	407			139	0		0	0		174610					2051.1																													3
4	158+0 - 210+0	5200.0	1.54	1.54	35			1674	0		0	0		190370					2012.4																													4
5	210+0 - 263A+0	5299.0	3.80	3.80	9371	800	100		44		795	0	3000						2098.6		300												36		48													5
6	263A+0 - 316+0	5313.6	6.14	6.14	13054	800	100		135	930	800	85	4000						2104.4		400					3054		35960		480	4880		72	76	56	76	1280	65	8	6				178		1024	1070	7			6
Fed. Guard	9+14 to 316+0	30712.5	19.36	19.36	38574	2700	700	1813	231	930	3331	160	7000	364980					12043.0		700					3054		35960		480	4880		174	432	184	76	1280	65	8	15				5028	1.5	1424	1360	15			
TOTALS-SEC. 1		31646.5	19.63	19.63	39383	2700	400	1813	233	930	3787	160	7000	364980					12403.6		700					3054		35960		480	4880		174	432	184	76	1280	65	8	15				5029	1.5	1424	1360	15			TOT. SEC. 1
7	316+0 - 368+0	5200.0	4.20	4.20	6451	400			45			85							2024.4		200												30	116			36" Conc. Pipe				3			1246				7			7
8	368+0 - 420+0	5200.0	2.57	2.57	5946	400			26		1600								2024.4		200													76	54						3				846			10			8
9	420+0 - 473+0	5300.0	3.49	3.49	12380	600	200		15		1065	6	5000						2051.1		500					46.7	3015	348.7		26050				58		48	1568	80						427			990	15			9
10	473+0 - 526+0	5300.0	2.78	2.78	5054	600			4			85							2063.1		300												24	118																10
11	526+0 - 540+0	1400.0			1223	100			4			45							541.8		100													38																11
TOTALS-SEC. 2		22400.0	13.04	13.04	31054	2100	200		94		2665	221	5000						8704.8		1300					46.7	3015	348.7		26050			54	406	54	48	1568	80		6				2519			990	25			TOT. SEC. 2

GENERAL NOTES

1. Overhaul shown only for Bibon Swamp - Sta. 100 to 231. See overhaul diag. plan sheet No. 22.
2. Top soil surfacing shall be placed at direction of the engineer.
3. Class "C" Guardrail posts to be spaced 20'-0" center to center.
4. Gravel for surfacing side road intersections is shown in the above gravel quantities as follow. Mile 1 = 24 c.y. Mile 2 = 36 c.y. Mile 5 = 48 c.y. Mile 6 = 48 c.y. Miles 7, 8 & 10 = 12 c.y. each.

NOTE: STANDARD STRUCTURAL PLANS, AS SUBMITTED TO THE U.S. BUREAU OF PUBLIC ROADS, ON FEB. 11, 1928, WILL BE USED ON THIS PROJECT.

Note: No Federal Aid will be requested on section covering old Proj. 187; Sta. 0-42 to 9+14. Amounts to be deducted from Sec. 1 are as follows:-

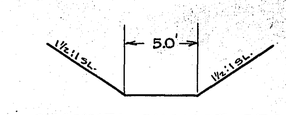
Net length = 934 lin. ft.
Clearing = 0.27 Acres
Grubbing = 0.27 " "
Earth = 809 cu. yds
Borrow = 2 " "
Intercept'g. ditches = 456 lin. ft.
Gravel Surfacing = 360.6 cu. yds.

MATERIAL HAUL

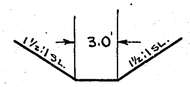
LENGTH OF HAUL	QUANTITY HAULED GRAVEL SEC. 1	QUANTITY HAULED GRAVEL SEC. 2
	CU. YDS.	CU. YDS.
MILES 1½ TO 2	279.0	177.6
2 " 2½	1022.0	1034.0
2½ TO 3	1046.0	1022.0
3 TO 3½	1034.0	1034.0
3½ TO 4	1058.0	1022.0
4 TO 4½	1022.0	1022.0
4½ TO 5	1022.0	1022.0
5 TO 5½	1022.0	1034.0
5½ TO 6	1022.0	1022.0
6 TO 6½	1046.0	315.2
6½ TO 7	1034.0	
7 TO 7½	1034.0	
7½ TO 8	762.6	
TOTALS	12403.6	8704.8

ESTIMATE FOR CONTRACTORS INFORMATION

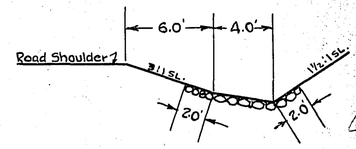
MILE NO.	TOTAL PARTING STRIP	½" DIA. DOWELS P'T'G. ST.	⅝" DIA. DOWELS EXP. JTS.	CEMENT REQ'D. BBLS. PAV'T.	CULVS. & BRIDGES	CURB & GUTTER	DRAINS REQ'D.	EXP. JT. FILLER	BRIDGE NAME PLATES	DOWELS FOR CURB & GUTTER
	LIN. FT.	LBS.	LBS.	BBLS.	BBLS.	BBLS.	NO.	SIZE	NO.	LBS.
1										
2										
3										
4										
5										
6					458				2	
Total					458				2	
7										
8										
9					593					
10										
11										
Total					593					



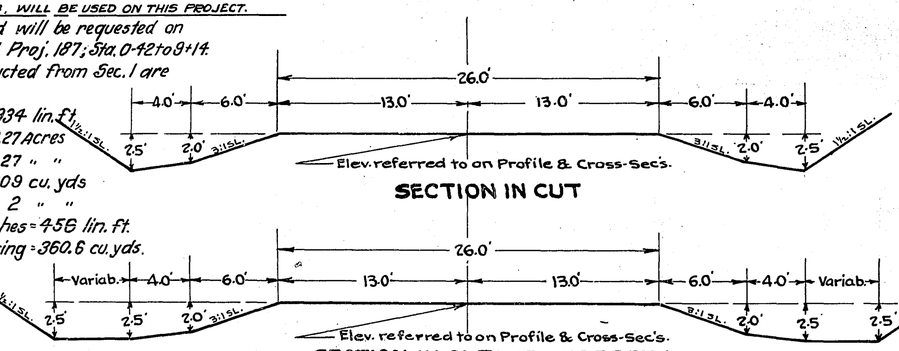
CHANNEL CHANGE SEC.



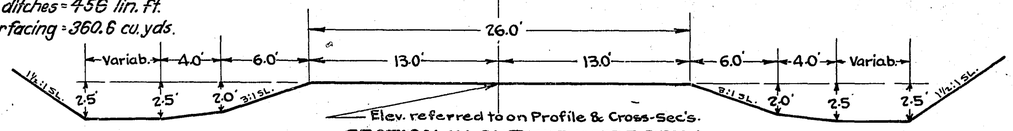
OFFTAKE DITCH SEC.



PAVED DITCH SEC.

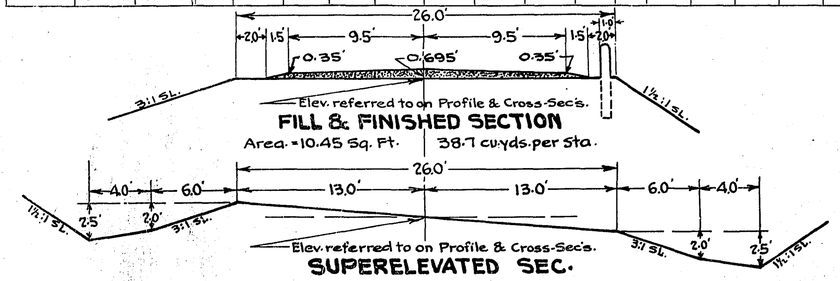


SECTION IN CUT



SECTION IN CUT WITH WIDE DITCH
Use as Listed.

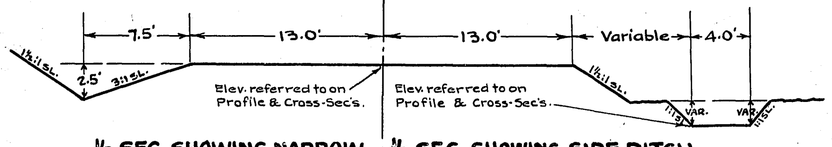
Sta. to Sta.	Side	Extra Width	Sta. to Sta.	Side	Extra Width
1+0 " 7+0	Right	3.0'	290+35 " 290+70	Right	10.0'
26+0 " 27+0	"	5.0'	296+0 " 297+0	"	7.0'
41A+0 " 42A+0	"	3.0'	305+0 " 307+0	Left	7.0'
78+0 " 85+0	"	3.0'	316+0 " 318+0	"	7.0'
100+35 " 102+0	"	82.0'	342+0 " 343+0	"	3.0'
212+0 " 218+0	"	3.0'	429+0 " 429+70	Right	4.0'
214+0 " 218+0	Left	3.0'	445+0 " 445+45	"	6.0'
227+75 " 229+0	Right	27.0'	498+70 " 502+0	"	7.0'
270A+0 " 272A+0	"	7.0'	517+80 " 523+0	Left	7.0'
282A+50 " 284A+50	"	11.0'	521+60 " 522+70	Right	7.0'
282A+50 " 283A+0	Left	13.0'	536+0 " 537+0	Left	3.0'



FILL & FINISHED SECTION
Area = 10.45 Sq. Ft. 38.7 cu. yds. per Sta.

SUPERELEVATED SEC.

Superelevation Table	
Degree of Curve	Maximum Superel.
2° To 3°	3/8" Per. ft. of roadway.
4° " 7°	½" " " "
13°	⅞" " " "



½ SEC. SHOWING NARROW DITCH TO SAVE TREES
Use-Sta. 319+0 To 320+65 Right side
" 306+0 " "

½ SEC. SHOWING SIDE DITCH
Use from Sta. 110+0 to 210+0 L. & R.

TYPICAL CROSS SECTION
FOR
26' FEATHER EDGED CRUSHED GRAVEL TYPE 'B'

WISCONSIN HIGHWAY COMMISSION
MADISON - WIS.

SCALE 1 IN = 5 FT.

PROJ. ROAD DIST. NO.	STATE	AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	2	

DIVISION JOB NO. B321

ESTIMATE OF QUANTITIES.

THIS PROJECT IS TO BE EXECUTED UNDER WISCONSIN STANDARD SPECIFICATIONS AS SUBMITTED BY THE U. S. BUREAU OF PUBLIC ROADS ON MARCH 9, 1928

MILE NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION: EARTH	EXCAVATION: LOOSE ROCK	EXCAVATION: SOLID ROCK	EXCAVATION: SIDE DITCH	EXCAVATION: BORROW	EXCAVATION: CHANNEL CHANGE	EXCAVATION: INTERCEPTING DITCH	EXCAVATION: OFFTAKE AND OUTLET DITCH	SURFACING: BANK PROTECTION	SURFACING: OVERHAUL	SURFACING: EXPANSION JOINTS	SURFACING: REINF. STEEL IN PAV'T	SURFACING: CONC. CURBING	SURFACING: CUT OFF WALL	SURFACING: Type B 26 Ft. Gravel Surfacing	SURFACING: Ft. Shale Surfacing	SURFACING: 26 Ft. Top Soil Surfacing in Place.
		LIN. FT.	ACRES	ACRES	CU. YDS.	CU. YDS.	CU. YDS.		CU. YDS.	CU. YDS.	LIN. FT.	CU. YDS.	SQ. YDS.	STA YDS.	NO.	LBS.	LIN. FT.	LIN. FT.	CU. YDS.	CU. YDS.	CU. YDS.
1	0+0 - 52+0	5242.0	1.93	1.93	5215	300			24		1692	0							2052.7		
2	52+0-105+0	5292.9	4.45	4.45	11301	800	200		30		500	75							2084.4		
3	105+0-158+0	5300.0	1.77	1.77	407			139	0		0	0		174610					2051.1		
4	158+0-210+0	5200.0	1.54	1.54	35			1674	0		0	0		190370					2012.4		
5	210+0-263A+0	5299.0	3.80	3.80	9371	800	100		44		795	0	3000						2098.6		300
6	263A+0-316+0	5313.6	6.14	6.14	13054	800	100		135	930	800	85	4000						2104.4		400
7	316+0-368+0	5200.0	4.20	4.20	6451	400			45			85							2088.4		200
FEDERAL QUANTITIES	9114-31610.0	30712.5	19.36	19.36	38574	2700	400	1813	231	930	3331	160	7000	364980					12403.6		700
TOTALS		36847.5	23.83	23.83	45834	3100	400	1813	278	930	3787	245	7000	364980					44428.0		900

MILE NO.	DRAINAGE STRUCTURES: CULVERTS 6 FT. SPAN AND UNDER CONC.	CULVERTS 6 FT. SPAN AND UNDER STEEL	SMALL BRIDGES 6 FT. TO 20 FT. SPAN INCLUSIVE CONC.	SMALL BRIDGES 6 FT. TO 20 FT. SPAN INCLUSIVE STEEL	BRIDGES OVER 20 FT. SPAN CONC. CLASS 'A'	BRIDGES OVER 20 FT. SPAN CONC. CLASS	BRIDGES OVER 20 FT. SPAN REINF. STEEL	BRIDGES OVER 20 FT. SPAN BALUSTERS	BRIDGES OVER 20 FT. SPAN STRUCT. STEEL	BRIDGES OVER 20 FT. SPAN CAST STEEL	CORRUGATED GALV. SHEET METAL PIPE TYPE 'I' 18 IN.	CORRUGATED GALV. SHEET METAL PIPE TYPE 'C' 24 IN.	CONCRETE PIPE TYPE 'I' 24 IN.	CONCRETE PIPE TYPE 'I' 30 IN.	CONCRETE PIPE TYPE 'I' 48 IN.	PILING	RIP-RAP	TILE DRAINS	ROCK BRAKE WALL	CURB AND GUTTER STANDARD	CURB AND GUTTER SPECIAL	CONC. FLUME	PAVED DITCHES	CLASS GRAVEL PIT
	CU. YDS.	LBS.	CU. YDS.	LBS.	CU. YDS.	CU. YDS.	LBS.	NO.	LBS.	LBS.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	CU. YDS.	CU. YDS.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	Sq. yds.	
1												216													
2												66	140	80					9				3329		
3																									
4																									
5												36		48									1522		
6					305A		35960		480	4880		72	76	56	76	1280	65	8	6				178		
7											30		116						3				1246		
FEDERAL QUANTITIES					305A		35960		480	4880		174	432	184	76	1280	65	8	15				5029	1.5	
TOTALS					305A		35960		480	4880	30	174	548	184	76	1280	65	8	18				6275	1.5	

MILE NO.	GUARD FENCE TYPE 'A'	GUARD FENCE TYPE 'B'	GUARD FENCE TYPE 'C' POSTS	GUARD FENCE MARKER POSTS	PROJECT MARKER	MILE NO.
	LIN. FT.	LIN. FT.	NO.	NO.	NO.	
1						1
2			8			2
3						3
4	400					4
5		290				5
6	1024	1070	7			6
7						7
FEDERAL QUANTITIES	1424	1360	15			
TOTALS	1424	1360	15			

GENERAL NOTES

1. Overhaul shown only for Bibon Swamp - Sta. 100 to 231. See overhaul diag. plan sheet No 22.
2. Top soil surfacing shall be placed at direction of engineer.
3. Class 'C' Guardrail posts to be spaced 20'-0" center to center.
4. Gravel for surfacing side road intersections is shown in above gravel quantities as follow: Mile 1 = 24 c.y. Mile 2 = 36 c.y. Mile 5 = 48 c.y. Mile 6 = 48 c.y. Mile 7 = 12 c.y.

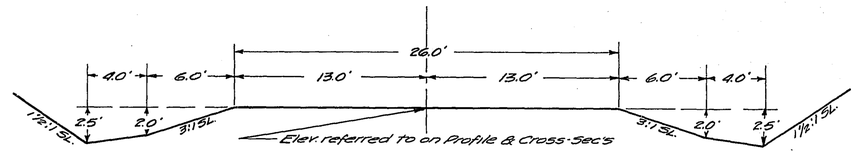
NOTE: STANDARD STRUCTURAL PLANS, AS SUBMITTED TO THE U.S. BUREAU OF PUBLIC ROADS, ON FEB. 11, 1928, WILL BE USED ON THIS PROJECT.

MATERIAL HAUL

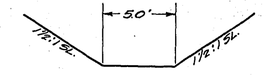
LENGTH OF HAUL	QUANTITY HAULED	QUANTITY HAULED
MILES	CU. YDS.	CU. YDS.
0 TO ½		
½ TO 1		
1 TO 1½		
1½ TO 2		
2 TO 2½		
2½ TO 3		
3 TO 3½		
3½ TO 4		
4 TO 4½		
4½ TO 5		
5 TO 5½		
5½ TO 6		
TOTALS		

ESTIMATE FOR CONTRACTORS INFORMATION

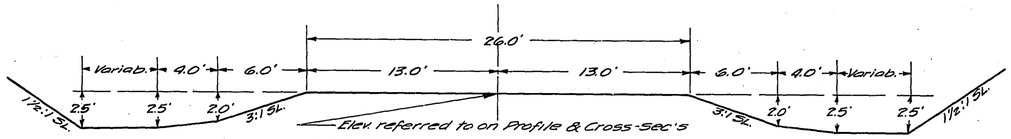
MILE NO.	TOTAL PARTING STRIP	½" DIA. DOWELS P'T'G. ST.	⅝" DIA. DOWELS EXP. JTS.	CEMENT REQ'D. BBLS. PAV'T.	CEMENT REQ'D. BBLS. CULVS. & BRIDGES	CEMENT REQ'D. BBLS. CURB & GUTTER	DRAINS REQ'D.	EXP. JT. FILLER	BRIDGE NAME PLATES	DOWELS FOR CURB & GUTTER
	LIN. FT.	LBS.	LBS.	BBLS.	BBLS.	BBLS.	NO.	SIZE	NO.	LBS.
1										
2										
3										
4										
5										
6					458					
7										
TOTALS					458					



SECTION IN CUT



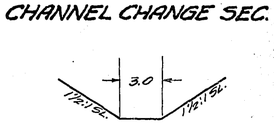
CHANNEL CHANGE SEC.



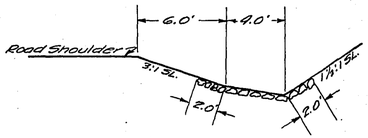
SECTION IN CUT WITH WIDE DITCH

Use as listed

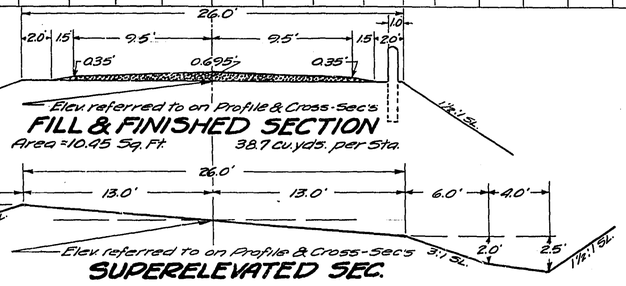
Sta. to Sta.	Side	Extra Width	Sta. to Sta.	Side	Extra Width
1+0 " 7+0	Right	3.0'	270A+0 - 272A+0	Right	7.0
26+0 - 27+0	"	5.0'	282A+50 - 284A+50	"	11.0
41A+0 - 42A+0	"	3.0'	282A+50 - 283A+0	Left	13.0
78+0 - 85+0	"	3.0'	290+35 - 290+70	Right	10.0
100+35 - 102+0	"	82.0'	296+0 - 297+0	"	7.0
212+0 " 218+0	"	3.0'	305+0 - 307+0	Left	7.0
214+0 - 218+0	Left	3.0'	316+0 - 318+0	"	7.0
227+75 - 229+0	Right	27.0'	342+0 - 343+0	"	3.0



OFFTAKE DITCH SEC.

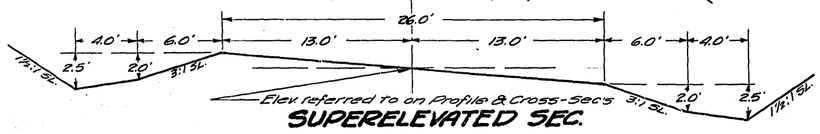


PAVED DITCH SEC.



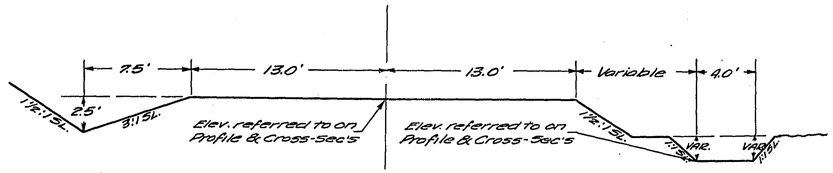
FILL & FINISHED SECTION

Area = 10.45 Sq. Ft. 38.7 cu. yds. per Sta.



SUPERELEVATED SEC.

Superelevation Table	
Degree of Curve	Maximum Superel.
2° To 3°	⅜" Per Ft. of roadway
4° 7°	½" " " "
13°	⅞" " " " "



½ SEC. SHOWING NARROW DITCH TO SAVE TREES

Use-Sta. 319+0 to 320+65 Right Side
" 306+0 " "

½ SEC. SHOWING SIDE DITCH

Use from Sta. 110+0 to 210+0 L. & R.

TYPICAL CROSS SECTION FOR 26' FEATHER EDGED CRUSHED GRAVEL TYPE "B"

WISCONSIN HIGHWAY COMMISSION
MADISON - WIS.

SCALE 1 IN = 5 FT.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
4	WISC.	406 E	6	89

DIVISION JOB NO 8331

Note: All Telephone Poles within Construction Limits to be moved to Edge of New R/W.

To MASON

C.St.P.M.&O.Ry.

To GREENVIEW

Sta. 4+14.5-24"X24"X 29' Conc. culvt. in place. Good cond.

PUBLIC ROAD

PASTURE

R.P. 8" Poplar 59.3 N.

R.P. 4" J. Pine 60.7 N.80°45'W.

N. 59°-40'E.

CULVERT

CULTIVATED

R.P. Fence Post 32.1 N.3°0'E.

Farmers Tel. Co. Benoit?

R.P. Fence Post 78.7 N.73°0'W.

N. 88°-38'E.

Wis. Bell Tel. Co.

R.P. Fence Post 79.8 S.15°0'W.

R.P. Fence Post 20.1 S.27°45'W.

R.P. Fence Post 28.9 S.5°15'E.

P.I. 6+09.8

P.I. 14+41.85

P.I. 21+10.34

Δ = 28°-58'R.
D = 5°-30'
T = 269.2
L = 526.7
R = 1042.1

P.T. 8+61.3

TIMBER

CULTIVATED

Spring "O"

R.P. 4" Birch 56.6 S.17°0'W.

R.P. Fence Post 35.6 N.16°0'E.

R.P. Fence Post 52.7 S.38°30'E.

S. 89°-16'E.

TIMBER

Ho.

Plum Trees

Sta. 18+56-24"X40' Conc. Pipe Culvt. Reqd.

P.C. 20+0

P.T. 22+06.7

Δ = 2°-04'
D = 1°-00'
T = 103.4
L = 206.7
R = 5729.6

Bench Marks

Sta.	Description	Elev.
4+20	Centr. S.W. Hd.Wl. Culvert	962.98
17+93	Spike in W. Pine 175' R.	977.48

Starting point — □ in N.W. Cor. of S. Abutment of C.St.P.M.&O.Ry. Bridge No. 359. C.St.P.M.&O.Ry. Datum used. Elevations refer to Sea Level.

— Clearing & Grubbing —
Sta. 0-42 to 30+0 = 0.91 Acres Cl. & Gr.
— Intercepting Ditches Reqd. —
Sta. 0-42 to 3+0 Right side = 342 Lin. Ft.
" 8+0 " 16+0 " " = 800 " "

Net Centerline Length Sta. 0-42 to Sta 30+0 = 3042'

Sta. 0-42 to 4+0 - cut 376 c.y. Fill 314 c.y. Borrow 1 c.y. Shrg. Al. 20%

Sta. 4 To 9 - Cut 402 c.y. Fill 385 c.y. Borrow 2 c.y. Shrg. Al. 20%

Sta. 9 to 12 cut 333 c.y. Fill 229 c.y. Haul 58 c.y. to sta's. 4 To 9 Shrg. Al. 20%

Sta. 12 To 14+40 cut 247 c.y. Fill 269 c.y. shrg. Al. 20%

Sta. 14+40 to 19+0 - cut 861 c.y. Fill 641 c.y. Haul 76 c.y. To sta's. 12 To 14+40 shrg. Al. 20% Haul 16 c.y. To sta's. 19 To 20

Sta. 19 to 24 - Cut 366 c.y. Fill 370 c.y. shrg. Al. 20%

Sta. 24 To 29 cut 615 c.y. Fill 379 c.y. Haul 62 c.y. To sta's. 19 To 20 Haul 98 c.y. To sta's. 31 To 31+70. Shrg. Al. 20%

(Beginning Proj. 406E. (Sec. 1.) = Sta. 0-42

-2.6%, V.c.191', P.C. 0+47.5 El. 965.05, P.T. 1+46 El. 963.8, +0.6%, V.c.100', P.C. 9+0 El. 966.0, P.T. 10+9 El. 967.5, +3.2%, P.C. 12+0 El. 974.0, V.c.100', P.T. 13+0 El. 976.0, +1.0%, P.C. 13+90 El. 976.9, V.c.135', P.T. 15+25 El. 979.15, -3.5%, P.C. 16+50 El. 970.75, V.c. 350', P.T. 20+0 El. 969.0, +2.5%, V.c.140', P.C. 20+75 El. 970.88, P.T. 22+15 El. 972.63, +0.2%, P.C. 25+50 El. 973.3, V.c.100', P.T. 26+50 El. 973.7, +1.0%, P.C. 27+50 El. 974.7, V.c.200', -2.5%, P.T. 29+50 El. 973.25

Sta. 4+14.5-2'X2'X-29' Conc. culvt. in place.

Sta. 18+56-24"X40' conc. Pipe Reqd.

Note: All Telephone Poles within Construction Limits to be moved to edge of New R/W.

EQUATION 33+0 = 33A+0

TIMBER

Sta. 31+15-24"X44' Conc. Pipe Culvt. Reqd.

CULTIVATED

PASTURE

Sta. 34A+0-24"X42' Conc. Pipe culvt. reqd.

Sta. 40A+45-24"X 50' Conc. Pipe Culvt. reqd.

PASTURE

Sta. 44A+35-24"X40' Conc. Pipe Culvt. Reqd.

TIMBER

Sta. 52A+93-24"X52' Conc. Pipe culv. reqd. 5 c.y. Excav. for inlet.

Sta. 55A+80-24"X44' Conc. Pipe Reqd.

R.P. 12" Stump 59.0 N.50°15'W.

P.I. 33A+73.1

Δ = 0°-14'R

P.O.T. 38A+12.3

R.P. 4" Poplar 81.7 N. 53°45'E.

R.P. Fence Post 47.0 N.46°30'W.

P.I. 46A+34.8

P.O.T. 51A+53.8

R.P. 6" Poplar 82.8 N.47.45'W.

R.P. 3" Birch 68.3 N.60°45'E.

R.P. 3" Oak 92.9 N.45°15'W.

P.O.T. 59A+45.8

R.P. 4" Birch 85.0 N.37.30'E.

S.89°-18'E.

S.89°-04'E.

S. 87°-42'E.

R.P. 9" Spr. Stump 56.5 S.41°45'E.

R.P. 6" Spruce 65.6 S.31°30'W.

R.P. 6" W. Pine 91.3 S.59°30'E.

R.P. Fence Post 68.7 S.39°30'W.

R.P. Fence Post 47.5 N.52°0'W.

Δ = 1°-22'R.
D = 1°-00'
T = 68.4
L = 136.7
R = 5729.6

P.C. 45A+66.4

P.T. 47A+03.1

R.P. 5" J. Pine 51.5 S.55°15'E.

R.P. 5" Birch 92.9 S.41°0'E.

R.P. 4" Poplar 75.8 S.39°30'E.

PRESENT TRAVELLED S.T.H. No 24

— Clearing & Grubbing —
Sta. 30+0 To 52+0 - 1.02 Ac. Cl. & Gr.
— Intercepting Ditches Reqd. —
Sta. 32+0 to 34+0 - Right = 200 Lin. Ft.
" 37+0 " 39+50 - " = 250 " "
" 45+0 " 46+0 - " = 100 " "

— Clearing & Grubbing —
Sta. 52 to 60A = 0.44 Ac. Cl. & Gr.

Net Centerline length Sta. 30+0 to Sta. 52A+0 = 2200'
Net Centerline length Sta. 52A+0 to Sta 60A+0 = 800'

Sta. 29 to 31+70 - cut 212 c.y. Fill 272 c.y. Borrow 16 c.y. shrg. Al. 20%

Sta. 31+70 to 35A - cut 329 c.y. Fill 277 c.y. Borrow. 3 c.y. shrg. 20%

Sta. 35A to 38A cut 232 c.y. Fill 234 c.y. shrg. Al. 20%

Sta. 38A To 41A cut 408 c.y. Fill 290 c.y. Haul 49 c.y. to sta's. 35A To 36A. Haul 11 c.y. to Sta's. 41 To 45 shrg. Al. 20%

Sta. 41A To 45A+50 - cut 443 c.y. Fill 380 c.y. Borrow. c.y. shrg. Al. 20%

Sta. 45+50 to 49A Cut 338 c.y. Fill 308 c.y. shrg. Al. 20%

Sta. 49A to 52A cut 353 c.y. Fill 148 c.y. Haul 32 c.y. to Sta's. 45+50-49 Haul 143 c.y. to 52 to 53 shrg. 20%

Sta. 52 to 54+05 cut 85 c.y. Fill 370 c.y. Borr. 30 c.y. shrg. 20

Sta. 54+05 To 60 - Cut 862 c.y. Fill 563 c.y. Haul 186 c.y. to Sta's. 52 to 54+05 shrg. A l. 20%

V.c. V.c.160', P.C. 29+30.75 El. 971.75, P.T. 31+70 El. 971.05, V.c.100', P.C. 32+30 El. 971.95, 0.0%, P.T. 33+80 El. 972.7, V.c.165', P.C. 34+25 El. 972.7, +3.0%, P.T. 35+90 El. 977.52, V.c.200', P.C. 37+0 El. 978.5, -1.0%, P.T. 38+0 El. 980.1, V.c.100', P.C. 40+25 El. 979.85, P.T. 41+25 El. 978.45, +0.2%, P.C. 44+0 El. 979.0, Raise El. for easmt., P.C. 47+50 El. 980.4, +0.4%, V.c.120', P.T. 48+70 El. 981.55, +1.5%, V.c.140', P.C. 51+40 El. 984.52, -0.2%, V.c.270', P.C. 55+30 El. 983.74, +2.5%, P.T. 58+0 El. 987.0

Sta. 31+15-24"X44' Conc. pipe culv. reqd.

Sta. 34A+0-24"X42' conc. pipe culvt. reqd.

Sta. 40A+45-24"X 50' conc. pipe culvt. reqd.

Sta. 44A+35-24"X40' conc. pipe culvt. reqd.

Sta. 52A+93-24"X52' Conc. pipe culvt. Reqd.

Sta. 55A+80-24" X44' conc. pipe culvt. req'd.

STA. 52A

P.T. 58+0 El. 987.0

R.E. Nos. C.L.C.W. G.T.R. W.E.McL. + L.C.W. Aug. 27 Dec. 27 Feb. 28 Jan. 28 Mar. 28

PLANS 4494 & 4496

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	7	89

DIVISION JOB NO. 8331

Bench Marks

Sta.	Description	Elev.
58A+13	Spikein Stump 48' L.	986.33
75+90	" " Pine 43'R.	1003.01
89+29	" " Stump 42'R	965.82

R.P. 3" Oak 92.9' N. 45°-15' W.

45' 45'

Sta. 60+40-24"X44' Conc pipe culvt. with 3 C.Y. Rock breaker wall req'd.

POT 59A+45.8

60A

R.P. 4" Birch 85.6' N 37°-30' E

61+40

S. 87°-42' E.

Sec. Line

R.P. 4" Oak 57.3 N. 49°-15' W.

R.P. 4" Poplar 75.8' S. 39°-30' E.

W. Bell Tel. Co.

PRESENT TRAVELLED S.T.H. No. 24

63+20 S. Base Pt.

65A

POT 65A+74.5

R.P. 3" Birch 57.0 N 43°-30' E

Barn

Garage

R.P. 4" Birch 71.2 N 52°-30' W

R.P. Fence 43.6 N 15°-45' E.

House-Conc. Foundation

PC 67A+25.6

Δ. 96°-02' R.
D. 13°-00'
T. 490.8'
L. 738.7'
R. 441.7'

68+63

R.P. Fence Post 98.6' S. 40°-45' W.

R.P. Fence Post 92.6' S. 42°-30' E.

R.P. Fence Post 80.6 S. 47°-30' W.

R.P. Fence Post 79.0 S. 60°-0' E

TIMBER

70A

R.P. Fence Post 54.8 N 43°-45' W.

R.P. Fence Post 26.4 S. 38°-15' W.

P.I. 72A+16.4

R.P. Fence Post 42.2' S 23°-15' E.

651.0'

646.4'

896.4' along Sec. Line

250.0'

CULTIVATED

EQUATION 74A+92.9=75+0

P.T. 74A+64.3

75

N. 3°-44' W.

73+80

Sta. 73A+0-24"X40' cor. G. Metal Pipe culvt. req'd. under Pres. S.T.H. 24

45' 45'

Note: All Telephone Poles within Construction Limits to be moved to edge of New R/W.
Net Centerline Length Sta. 60A+0 to Sta. 90+0 = 2992.9'

CULTIVATED

80 85 90

POT 83+10

Dig offtake Ditch. Approx 60 C.Y. Excavation in D.

R.P. 8" Stump 50.8' N. 41°-45' W.

N. 3°-44' W.

45' 45'

R.P. 4" Birch 59.8' S. 50°-15' E.

R.P. 3" Birch 57.5 N 43°-15' E.

Sta. 83+0-30"X40' conc. culvt. with 3 C.Y. Rock Breaker wall required.

TIMBER

Clearing & Grubbing

Sta 60A+0 to 90+0 = 2.09 Acres Cl. & Gr.

Intercepting Ditches Req'd.

Sta. 58+0 To 63+0 - Right = 500 Lin. Ft.

Standard Guard Fence Req'd - Type 'C'

Sta. 60A+15 to 61A+55 - Left - 8 Posts.

Paved Ditches Req'd.

Sta. 60A+40 To 67A+0 - Right = 659 S.Yd
" 78A+0 To 83+0 - Left + " = 890 " "
Total = 1549 " "

R.E.M.: Aug. '27
G.T.R.: Jan. '28
E.P.R.: Jan. '28
W.E.M.L. + L.C.W.: Mar. '28

R.E.M.: Aug. '27
G.T.R.: Jan. '28
E.P.R.: Feb. '28
C.L.:

4414
& 4436

+2.5% V.C. 220' P.C. 624+30 El. 997.75 PT. 640+50 El. 1001.50 +6.0% V.C. 450' P.C. 664+50 El. 1019.0 PT. 711+40 El. 1024.21 -4.2% P.I. 744+92.5 El. 1005.61 Raise El. for Easmt. -3.8% P.I. 802+0 El. 986.6 Raise El. for Easmt. -2.6% P.C. 871+0 El. 968.4 V.C. 100' P.T. 881+0 El. 966.2 -1.6%

SHORT STA. 92.9'

Sta. 60+40-24"X44' conc. pipe culvt. Req'd.

Sta. 60A to 67A - cut 1172 c.y. Fill 947 c.y. Haul 36 c.y. to sta's. 69A to 70A. shrg. Al. 20%

Sta. 67A to 70A+50 cut 331 c.y. Fill 436 c.y. shrg. Al. 20%

Sta. 70A+50 To 75 - cut 666 c.y. Fill 388 c.y. shrg. Al. 20% Haul 156 c.y. to stas. 69 To 70
" " " 31 c.y. " " 76 " 77
Waste 13 c.y.

Sta. 75 to 80 - cut 539 c.y. Fill 475 c.y. shrg. Al. 20%

Sta. 80 to 85 cut 605 c.y. Fill 502 c.y. Haul 2 c.y. To stas. 85 to 90 - Waste 1 c.y. shrg. Al. 20%

Sta. 85 To 90 - Cut 519 c.y. Fill 434 c.y. shrg. Al. 20%

Sta. 83+0-30"X40' conc. pipe culvt. req'd.

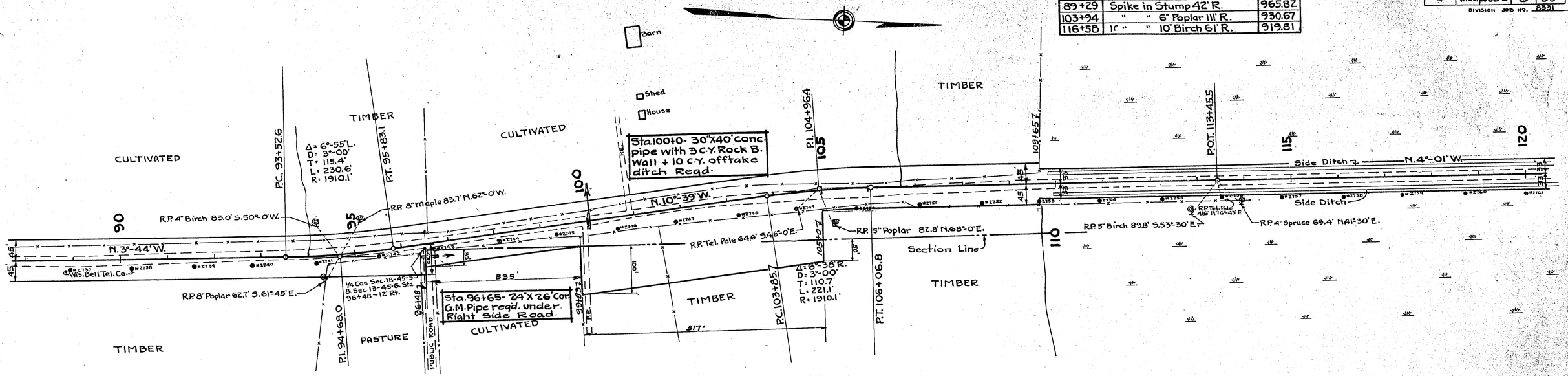
	58A	59A	60A	1A	2A	3A	4A	65A	6A	7A	8A	9A	70A	1A	2A	3A	4A	75	6	7	8	9	80	1	2	3	4	85	6	7	8	9	90
Ground El.	987.0	989.1	990.6	993.9	995.0	996.1	999.5	1001.6	1017.5	1022.3	1023.9	1025.0	1025.5	1025.9	1026.0	1023.9	1022.4	1022.1	1021.1	1018.5	1016.6	1014.0	1012.2	1008.3	1009.0	1007.5	1007.4	1005.6	1001.6	997.0	993.2	990.2	986.6	983.5	981.3	978.1	975.8	973.3	971.3	970.2	967.9	965.9	963.9	962.9
Grade El.	987.0	989.5	991.0	994.5	995.0	995.63	1000.0	1004.4	1016.0	1021.7	1023.7	1025.0	1025.7	1025.9	1026.0	1025.8	1025.1	1023.8	1022.1	1020.0	1017.9	1015.8	1014.54	1013.7	1011.6	1009.5	1007.4	1005.6	1001.8	998.0	994.2	990.4	986.6	984.0	981.4	978.8	976.2	973.6	971.0	970.09	968.4	966.2	964.6	963.0

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	8	89

DIVISION JOB NO. 8331

R.E. M.S. G.T.R. C.L.A. Aug.'27 Dec.'27 Feb.'28

Bench Marks		
Sta.	Description	Elev.
89+29	Spike in Stump 42' R.	965.82
103+94	" " 6" Poplar 111' R.	930.67
116+58	12" " " 10" Birch 61' R.	919.81



— Paved Ditches Reqd —
Sta. 90+0 To 100+0 - L. & R. = 1780 Sq. Yds

— Clearing & Grubbing —
Sta. 90+0 To 105+0 = 1.92 Acres Cl. & Gr.

— Clearing & Grubbing —
Sta. 105 to 120 = 0.81 Acres Cl. & Gr.

Note: All Telephone Poles within Construction Limits to be moved to edge of New R/W.

Net Center line Length Sta. 90+0 to Sta. 105+0 = 1500'
Net Center line Length Sta. 105+0 to Sta. 120+0 = 1500'

Sta. 90 to 95 cut 538 c.y. Fill 332 c.y. Haul 140 c.y. to stas. 95 To 100 shrg. Al. 20%

Sta. 95 to 100 cut 428 c.y. Fill 511 c.y. Shrg. Al. 20%

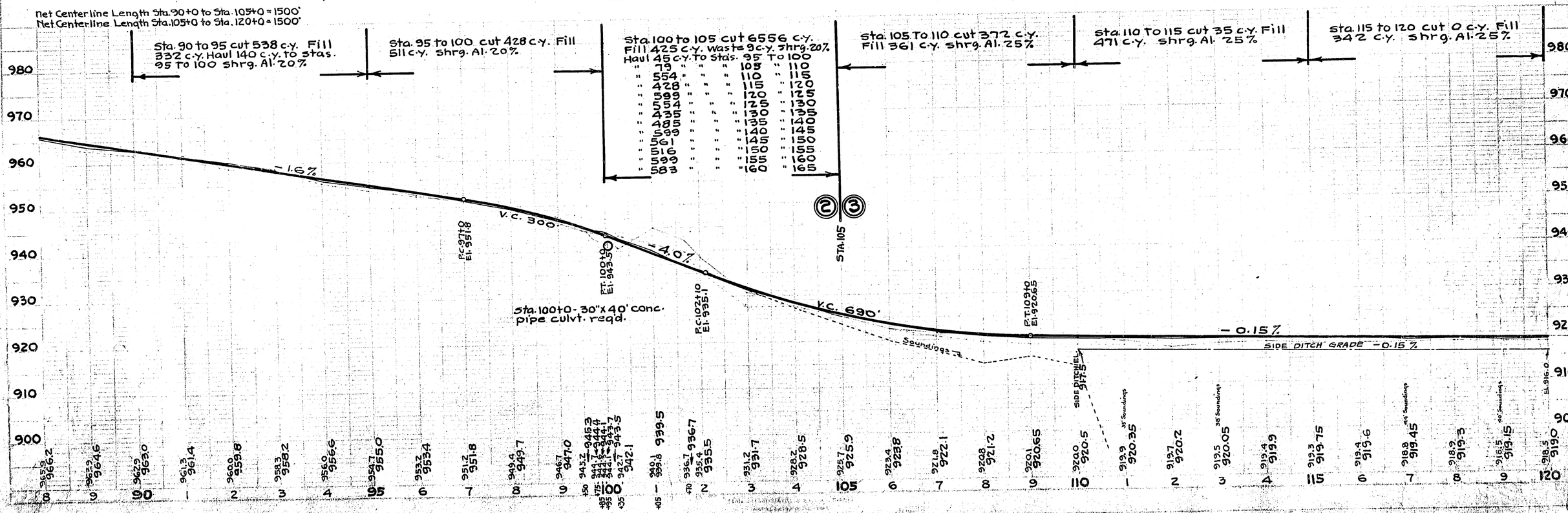
Sta. 100 to 105 cut 6556 c.y. Fill 425 c.y. waste 9c.y. shrg. 20% Haul 45 c.y. to stas. 95 To 100

19	" "	105	" 110
554	" "	110	115
428	" "	115	120
599	" "	120	125
554	" "	125	130
495	" "	130	135
485	" "	135	140
599	" "	140	145
561	" "	145	150
516	" "	150	155
593	" "	155	160
583	" "	160	165

Sta. 105 To 110 cut 372 c.y. Fill 361 c.y. shrg. Al. 25%

Sta. 110 To 115 cut 35 c.y. Fill 471 c.y. shrg. Al. 25%

Sta. 115 to 120 cut 0 c.y. Fill 342 c.y. shrg. Al. 25%



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406 E	9	89

DIVISION JOB NO. 8331

Bench Marks		
Sta.	Description	Elev.
130+41	Spike in 6" Poplar 60' L.	917.03
143+47	" " 5" " 49' R.	915.17

R.E. M's Aug.'27 G.T.R. Jan.'28 E.B.H. Feb.'28 C.L.

4494

R.P. 6" Poplar 89.9' S.59°-0'W.

N. 4°-01'W.

R.P. 4" Poplar 66.5' S.39°-0'W.

Wis. Bell Tel. Co.

R.P. 8" Birch 97.8' S.74°-15'E.

R.P. 3" Spruce 90.2' N.28°-45'E.

R.P. 6" Birch 44.7' N.79°-30'E.

R.P. Tel. Pole 60.3' S.31°-0'E.

R.P. Tel. Pole 72.2' N.37°-30'E.

R.P. 6" Poplar 58.5' S.61°-30'E.

R.P. Tel. Pole 78.4' N.24°-0'E.

P.O.T. 125+0

P.O.T. 135+0

P.O.T. 143+95.7

Note: All Telephone Poles within Construction Limits to be moved to edge of New R/W.

Net Centerline Length Sta. 120+0 to Sta. 150+0 = 3000'

Clearing & Grubbing
Sta. 120 to 150 - 0.69 Acres Cl. & Gr.

Sta. 120 to 125 cut - 0 c.y. Fill 479 c.y. shrg. Al. 25%

Sta. 125 To 130 cut - 0 c.y. Fill 443 c.y. shrg. Al. 25%

Sta. 130 To 135 cut 0 c.y. Fill 348 c.y. shrg. Al. 25%

Sta. 135 To 140 - cut 0 c.y. Fill 388 c.y. shrg. Al. 25%

Sta. 140 to 145 - cut 0 c.y. Fill 479 c.y. shrg. Al. 25%

Sta. 145 To 150 - Cut - 0 c.y. Fill 449 c.y. shrg. Al. 25%

-0.15%

SIDE DITCH GRADE

-0.15%

P.I. 140+0 El. 916.0 — Raise El. for easmt.

0.0%

P.I. 145+0 El. 916.0 — Lower El. for easmt.

-0.3%

Sta.	Sounding	Elev.
120		El. 916.0
1	36"	916.85
2		918.7
3	43"	918.55
4		918.4
125	33"	918.25
6		918.1
7	32"	917.95
8		917.8
9	12"	917.65
130		El. 917.5
1	51"	917.35
2		917.2
3	7"	917.05
4		916.9
135	50"	916.75
6		916.6
7	7"	916.45
8		916.3
9	9"	916.15
140		El. 916.0
1	5"	916.0
2		916.0
3	7"	916.0
4		916.0
145	9"	916.0
6		915.7
7	10"	915.4
8		915.1
9	8"	El. 914.5
150		914.5

Bench Marks		
Sta.	Description	Elev.
156+67	Spike in 4" Poplar 42' R	913.61
174+94	" " 7" " 62' R.	911.96

R.P. 4" Birch 62.5' S.61°-0'W.

N. 4°-01'W.

R.P. 4" Poplar 66.3' S.39°-30'E.

Wis. Bell Tel. Co.

R.P. 4" Poplar 89.8' N.24°-0'E.

R.P. 4" Poplar 47.6' N.74°-0'W.

N. 4°-22'W.

R.P. Tel. Pole 66.0' S.27°45'E.

R.P. Tel. Pole 76.1' N.19°-0'E.

P.O.T. 155+0

P.I. 166+0 Δ = 0°21' L.

Note: All Telephone Poles within Construction Limits to be moved to edge of New R/W.

Net Centerline Length Sta. 150+0 to Sta. 158+0 = 800'

Net Centerline Length Sta. 158+0 to Sta. 180+0 = 2200'

Clearing & Grubbing
Sta. 150+0 To 158+0 - 0.27 Acres Cl. & Gr.

Clearing & Grubbing
Sta. 158 To 180 - 0.54 Acres Cl. & Gr.

Sta. 150 to 155 cut - 0 c.y. Fill 413 c.y. shrg. Al. 25%

Sta. 155 to 160 - Cut - 0 c.y. Fill 479 c.y. shrg. Al. 25%

Sta. 160 to 165 - Cut - 0 c.y. Fill 466 c.y. shrg. Al. 25%

Sta. 165 To 170 - cut - 0 c.y. Fill 383 c.y. shrg. Al. 25%

Sta. 170 to 175 cut - 0 c.y. Fill 443 c.y. shrg. Al. 25%

Sta. 175 To 180 cut - 0 c.y. Fill 538 c.y. shrg. Al. 25%

STA. 158

-0.3%

P.I. 150+0 El. 914.5 — Raise El. for easmt.

-0.1%

SIDE DITCH GRADE

-0.15%

Sta.	Sounding	Elev.
150		El. 914.5
1	46"	914.4
2		913.9
3	16"	914.2
4		914.1
155	34"	914.0
6		913.9
7	20"	913.8
8		913.7
9	22"	913.6
160		El. 913.5
1	34"	913.4
2		913.3
3	35"	913.2
4		913.1
165	34"	913.0
6		912.9
7	35"	912.8
8		912.7
9	33"	912.6
170		El. 912.5
1	30"	912.4
2		912.3
3	29"	912.2
4		912.1
175	28"	912.0
6		911.9
7	26"	911.8
8		911.7
9	28"	911.6
180		El. 911.5

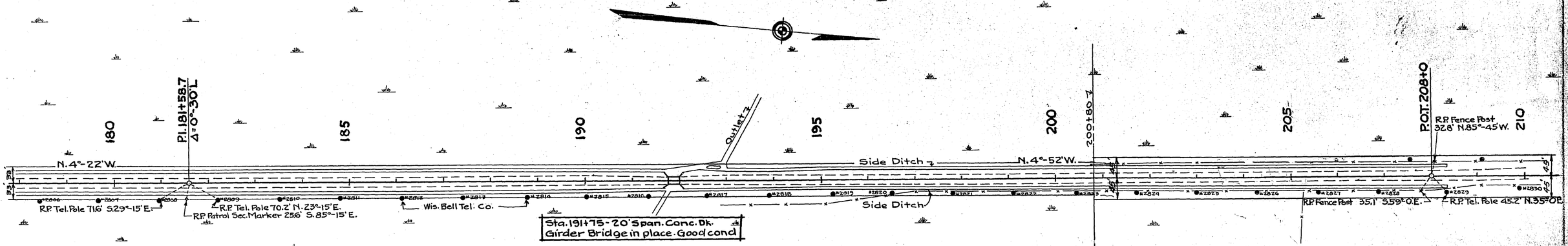
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	10	80

DIVISION JOB NO 8221

Bench Mark

Sta.	Description	Elev.
191+78	X on N.E. Cor. SE. Wing Wall of Bridge	912.40

R.E.M.'s Aug.'27 C.T.R. Jan.'28 E.B.H. Feb.'28 G.A.R. E.L.C.



Clearing & Grubbing

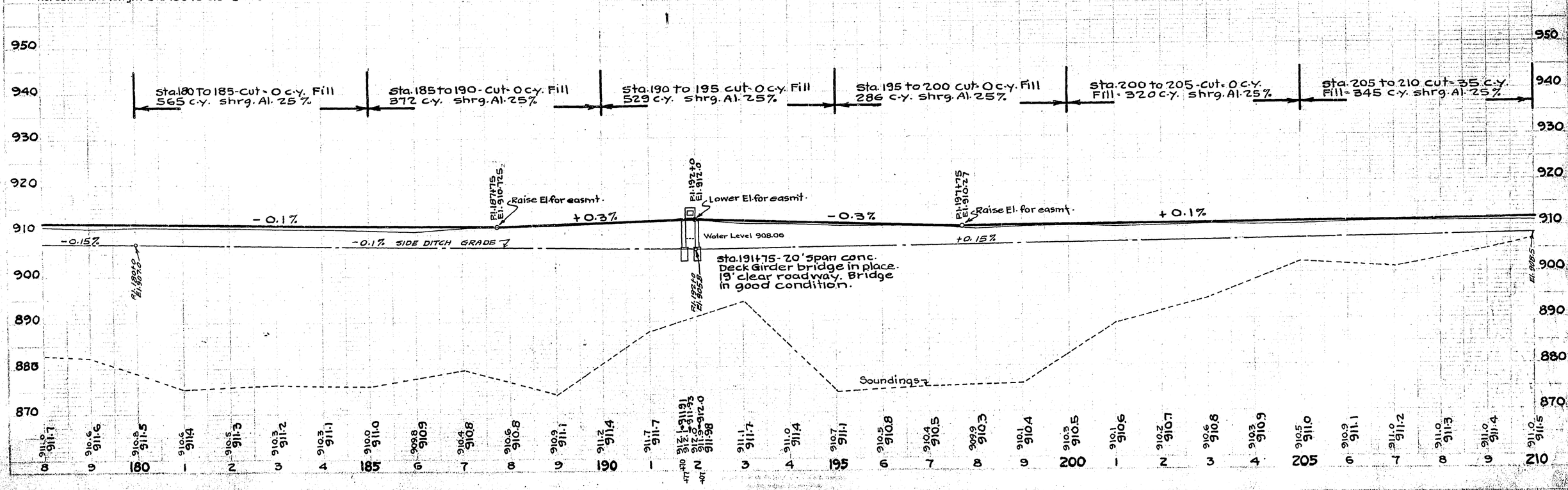
Sta. 180+0 To 210+0 - 1.0 Acres Cl. + Gr.

Standard Guard Fence Type A Reqd

Sta. 190+77 to 191+77 - Left = 100 Lin. Ft.
" 190+77 " 191+77 - Right = 100 " "
" 192+0 " 193+0 - " = 100 " "
" 192+0 " 193+0 - Left = 100 " "
Total = 400 " "

Net centerline length Sta. 180 to 210 = 3000'

R.E.M.'s Aug.'27 C.T.R. Jan.'28 E.B.H. Feb.'28 G.A.R. Jan.'28 W.E.McL. + L.C.W. Mar.'28



4494

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO	TOTAL SHEETS
4	WISC.	406E	11	89

DIVISION JOB NO 8331

Bench Marks

Sta.	Description	Elev.
212+70	Spike in Stump 69' R.	915.42
227+06	" " Ctr. Pile RR. Br. 13' L.	925.14

POT 208+0 R.P. Fence Post 32.8 N.85°-45' W.

CULTIVATED

Side Ditch

Far. Tel. Co. Benoit

R.P. Fence Post 35.1 S.59°-0' E.

R.P. Tel. Pole 45.2 N. 35°-0' E.

N. 4°-52' W.

Wis. Bell Tel. Co

R.P. Fence Post 376' S. 41°-15' E.

Hay Shed

Barn

Ho.

P.E.

POT 218+32.8 R.P. Fence Post N. 60°-30' W. 30.4'

R.P. Fence Post 80.8' S. 36°-30' W.

R.P. Fence Post 919' N. 53°-15' W.

R.P. Fence Post 57.0 S. 27°-45' E.

R.P. Tel. Pole 33.1' N. 39°-45' E.

Milk House

Bar.

Ho.

P.C. 221+49.7

Δ = 17°-17' L.
D = 4°-30'
T = 193.55'
L = 384.1'
R = 1273.6'

P.T. 225+33.8

P.I. 223+43.3

EQUATION 225+99.0 = 226+0

Sta. 225+96 - Remove 18" X 36' Cor. Pipe under L. Side road. Replace with new 24" X 36' Cor. G. Met. pipe.

Sta. 223+71 - 18" X 48' Cor. Met. pipe in place under R. Side road. Good condition.

Sta. 224+68 - 18" X 36' Cor. Met. pipe in place under R. side road. Good condition.

To Sanborn

To Bison

P.S.S. & A. Ry.

POPLAR & BRUSH

Sta. 230+61 - 24" X 91' Cor. G. met. pipe - skewed + with Stone Brk'r. wall - in place. Good condition.

POT 234+87.0

R.P. 6" Poplar 69.2' N. 64°-0' W.

R.P. 5" Poplar 56.8' S. 31°-30' W.

N. 22°-09' W.

R.P. 6" Poplar 62.1' N. 19°-30' E.

R.P. 7" Poplar 67.6' S. 76°-15' E.

231.4

100'

45'

Note: All telephone poles within construction limits to be moved to edge of new R/W.

Net centerline length sta. 210 to 240 = 2999'

Paved Ditches Reqd

Sta. 226+30 to 227+40 - R. = 98 Sq. Yds.
" 226+30 " 230+20 - L. = 347 " "
" 230+60 " 237+0 - L. = 570 " "
" 231+30 " 237+0 - R = 507 " "
Total = 1522 " "

Clearing & Grubbing

Sta. 210 To 240 = 1.64 Ac. Cl. & Gr.

Intercepting Ditches Reqd

Sta. 229+0 To 230+15 - Left = 115 Lin. Ft.
" 229+0 " 231+0 - Right = 200 " "
" 231+50 " 234+30 " = 280 " "
Total = 595 " "

Sta. 210 to 215 cut 348 c.y. Fill 335 c.y. Shrg. Al. 20%

Sta. 215 to 220 - Cut 443 c.y. Fill 314 c.y. Haul 54 c.y. to stas. 210 to 215 shrg. Al. 20% Haul 12 c.y. To Stas 209 to 210

Sta. 220 to 225 cut 209 c.y. Fill 173 c.y. Waste 1 c.y. shrg. Al. 20%

Sta. 225 To 231 - cut 5330 c.y. Fill 544 c.y. Borrow 3 c.y. shrg. Al. 20%

Haul 479 c.y. to stas. 165 To 170
" 554 " " " 170 " 175
" 673 " " " 175 " 180
" 706 " " " 180 " 185
" 465 " " " 185 " 190
" 661 " " " 190 " 195
" 358 " " " 195 " 200
" 400 " " " 200 " 205
" 396 " " " 205 " 210

Sta. 231 to 235 - cut 431 c.y. Fill - 378 c.y. Borro 23 c.y. Shrg. Al. 20%

Sta. 235 to 240+45 - cut 530 c.y. Fill - 458 c.y. shrg. Al. 20%

+0.1%

+0.4%

+0.9%

+5.0%

+6.5%

V.C. 400'

V.C. 275'

V.C. 660'

Raise El. for Easmt.

El. 911.6

El. 913.32

P.C. 225+0 El. 920.8

P.T. 229+0 El. 933.5

P.C. 231+75 El. 951.37

P.T. 234+50 El. 967.0

P.C. 236+50 El. 977.0

Short Sta. 99.0'

Sta. 226+97: Plate girder overhead R.R. crossing structure on pile bents with 1 bent in ctr. of Roadway. Horiz. clearance R. of ctr. bent 15.0' Horiz. clear. L. of ctr. bent 13.8'. Vert. clear. 13.5' Structure is in good condition.

4494 & 4495

R.E.M.
G.T.R.
G.B.H.
E.C.L.
W.E.M.
J.L.C.W.

Aug. '27
Jan. '28
Feb. '28
Mar. '28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	12	89

DIVISION JOB NO 8221

Bench Marks

Sta.	Description	Elev.
242+95	Spike in 8" Poplar 38' R.	985.11
255+52	" " Stump 52' L.	963.04

R.E. Mc's Aug.'27 Jan.'28 Feb.'28 Jan.'28 Mar.'28
G.T.H. E.B.H.R. C.T.R. W.E.McL. + L.C.W.

PLAN

4495 & 4496

EQUATION 245+0 = 245A+0

POPLAR & BRUSH

R.P.6" Poplar 52.6 S.51°30W.

P.I.253A+21.3

R.P.8" Poplar 51.2' N. 32°30W.

R.P.5" Poplar ~~58.1~~ N49°0' E.

Farmers Tel. Co. Benoit

250A

255A

Sta. 259A+51 - 36"X64' Cor. G. Met. pipe culvt. with conc. endwalls in place. Good cond.

260A

P.O.T. 262A+37.8

R.P. Tree 72.9' S. 60°15W.

R.P. Poplar 82.7' N. 56°45W.

R.P.3" Maple 92.0' N. 15°-45' W.

Guard Rail

Wis. Bell Tel. Co

Sta. 250A+50 - 30"X48' Conc. Pipe Culvt. Req'd.

240

P.O.T. 241+0

R.P.3" Poplar 80.8' N. 67°-15'W.

N. 22°-09'W.

R.P.6" Poplar 83.3' N. 18°-45' E.

R.P. 2"X2' Hub 56.4' S. 67°45' E.

45'

245A

P.C. 245A+92.8

POPLAR & BRUSH

Δ = 35°-16'R
D = 2°-30'
T = 728.5'
L = 1410.7'
R = 2292.0'

PRESENT TRAVELLED S.T.H. Nº 24

N. 13°-07'E.

P.T. 260A+03.5

265A

POPLAR & BRUSH

270A

PUBLIC ROAD

— Clearing & Grubbing —
Sta. 240 to 263 - 2.16 Acres Cl. + Gr.

— Intercepting Ditches Req'd. —
Sta. 261+0 to 263+0 - Left - 200 Lin. Ft.

— Standard Guard Fence Req'd Class "E" —
Sta. 258+70 To 260+0 - L. = 130 Lin. Ft.
" 258+90 " 260+50 - R. = 160 " "

— Clearing & Grubbing —
Sta. 263 to 270 = 1.31 Acres Cl. + Gr.

Net Centerline length Sta. 240 to 263 = 2300' Sta. 263 to 270 = 700'

5 6

Sta. 255A to 259A+60 cut 903 c.y. Fill 789 c.y. Shrg. Al. 10% Haul 35 c.y. to stas. 250 to 255

Sta. 259A+60 to 263A cut 685 c.y. Fill 608 c.y. shrg. Al. 10% Haul 13 c.y. to stas. 265A to 266A. Waste 3 c.y.

Sta. 263 to 270 cut 816 c.y. Fill 691 c.y. shrg. Al. 20%

V.C. 660'

-2.5%

P.T. 243+10 El. 985.25

P.I. 246+0 El. 978.0

Lower El. for Easmt.

-2.75%

P.C. 249A+50 El. 968.37

V.C. 160'

P.T. 251A+10 El. 965.52

-0.8%

Sta. 250A+50 - 30"X48' conc. pipe culvt. reqd.

P.C. 255+35 El. 962.12

V.C. 200'

-3.0%

P.T. 257+35 El. 958.35

P.C. 258+80 El. 954.0

V.C. 200'

+2.0%

P.T. 260+80 El. = 953.1

P.C. 261+50 El. 954.5

V.C. 250'

Sta. 259A+51 - 36"X64' cor. met. pipe with conc. endwalls in place. Good condition.

P.T. 264+0 El. 951.0

-5.0%

P.C. 267+0 El. 936.0

V.C. 150'

P.T. 268+50 El. 929.2

-3.0%

Sta. 240+45 to 245 cut 452 c.y. Fill 135 c.y. Haul 20 c.y. to stas. 235 To 240. Haul 270 c.y. to stas. 245 to 250 Shrg. Al. 20%

Sta. 245 to 250 - cut 334 c.y. Fill 516 c.y. Borrow 15 c.y. shrg. Al. 20%

Sta. 250A to 255A cut 606 c.y. Fill 537 c.y. Borrow 3 c.y. Shrg. Al. 20%

990 980 970 960 950 940 930 920 910

| | | |

Bench Marks		
Sta.	Description	Elev.
270A+35	Spike in Dead Tree 64' L.	924.97
282A+19	" " Stump 207' L.	912.52
287+50	N.E. Cor. S.W. Wing Wall of Bridge	900.37

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC	406E	13	89

DIVISION JOB NO. 8531

Δ = 17°-40'L
D = 4°-00'
T = 222.6'
L = 441.7'
R = 1432.7'

EQUATION
287A+29.6 = 287+16.0

Note: All Telephone poles within constr. limits to be moved to edge of new R/W.

PRESENT TRAVELLED S.T.H No. 24

N. 13°-07' E.

270A | 275A | 280A | 285A | 290 | 295

Sta. 275A+90-30"X56' Conc pipe culvt. reqd.

Sta. 281A+68-2.9' R. = I.P. SE. Cor. Sec. 25-46-6

Note: Make new Town road connection as shown.

Sta. 281A+52-48"X76' Conc. pipe culvt. reqd.

Sta. 285A+20 To 287+56-250' Channel change reqd. Left of ℄. Approx. Excav. = 930 c.y. Use channel Change Excav. in Fill between Sta. 283A & 287A.

Sta. 287+85-55' Span. conc Deck girder bridge reqd.

60' Steel Girder Bridge-16' Roadway

WHITE RIVER

Wis. Bell Tel. Co.

Farmers tel. Co. Benoit

Sec. Line

CHAN. CHANGE

C.R.E.R.K.

PUBLIC ROAD

P.O.T. 278A+24.2

P.C. 280A+61.7

P.T. 285A+03.4

P.O.T. 287A+29.6

P.O.T. 293+46.4

Sta. 294+83-24'L = 12 E. 1/16 Cor. S.E.1/4 Sec. 25-46-6

294+83 1/16 Line ↑

Clearing & Grubbing
Sta. 270 to 299 = 4.41 Acres. Cl. & Gr.
Intercepting Ditches Reqd.
Sta. 277+0 To 279+50-L. = 250 Lin. Ft.
" 283+0 " 284+50-R. = 150 " "
Total = 400 " "
Standard Guard Fence Reqd. Type "E"
Sta. 274+0 To 276+75-Left = 275 Lin. Ft.
" 274+0 " 276+75-Right = 275 " "
" 279+70 " 282+30- " = 260 " "
" 279+70 " 282+30-Left = 260 " "
Total = 1070 " "
Standard Guard Fence Reqd. Type "A"
Sta. 283+52 To 287+55-Left = 416 Lin. Ft.
" 284+64 " 287+55-Right = 304 " "
" 288+15 " 289+59-Left = 144 " "
" 288+15 " 289+75-Right = 160 " "
Total = 1024 " "

Net centerline length Sta. 270 to 299 = 2913.6'

R.E. M^s G.T.R. E.T.R. C.L.

Aug. 27 Jan. 28 Feb. 28

PLAN

INTERSECTIONS CHECKED ALIGNMENT CHECKED PROFILE RECORD

8.4495 8.4496

940 930 920 910 900 890 880 870 860

-3.0% V.C.150' -0.6% V.C.160' +2.0% V.C.230' -4.5% V.C.200' 0.0% 0.0% V.C.150' +3.0% V.C.140' 0.0% V.C.130' +2.0%

P.C. 270A+0 El. 925.3 | P.T. 271A+50 El. 922.7 | P.C. 274A+40 El. 920.96 | P.T. 276A+0 El. 922.0 | P.C. 277A+0 El. 924.0 | P.T. 279A+30 El. 921.15 | P.C. 282A+50 El. 906.75 | P.T. 284A+0 El. 902.0 | P.C. 289+50 El. 902.0 | P.T. 291+0 El. 904.0 | P.C. 293+80 El. 912.4 | P.C. 295+85 El. 914.5 | P.T. 297+15 El. 915.8

Sta. 275A+90-30"X56' conc. pipe culvt. reqd.

Sta. 281A+52-48" X 76' conc. pipe culvt. Reqd.

IDENTICAL POINTS

Water Level = 890.0
Sta. 287+85-55' Span Conc. Dk. Girder bridge reqd.
Conc. 305.4 cu. yds. Reinf. Steel 35960#
Structural steel-480# Cast steel 4880#
Rip Rap-65 c.y. Piling-1280 Lin. Ft.
X-2081 T55-24, T100, S-1

Long Sta. 113.6'

Sta. 270A to 275A. cut 698 c.y. Fill 659 c.y. Shrg. Al. 20%

Sta. 275A to 278A+25 cut-1946 c.y. Fill-1517 c.y. Haul 93 c.y. to Stas. 274 TO 275. Haul 184 c.y. to stas. 281 to 282. Shrg. 10%

Sta. 278A+25 to 281A+75 cut 2078 c.y. Fill 2239 c.y. Shrg. Al. 10%

Sta. 281+75 to 283-cut 1317 c.y. Fill 743 c.y. Sh. Al. 10%. Haul 201 c.y. to stas. 281+60 to 281+75 Haul 299 c.y. to stas. 285 to 286

Sta. 283 to 288+65-cut 2744 c.y. Fill 3642 c.y. Use 930 c.y. obtained from channel change. shrg. Al. 10%.

Sta. 288+30 to 293+50 cut 1730 c.y. Fill 1533 c.y. Shrg. 10% Haul 33 c.y. to 288+20 to 288+30 " 11 c.y. " 295 To 296

Sta. 293+50 To 298+35-Cut 549 c.y. Fill 483 c.y. Borrow 4 c.y. shrg. Al. 20%

8A 9A 270A 1A 2A 3A 4A 275A 6A 7A 8A 9A 280A 1A 2A 3A 4A 285A 5A 6A 7A 8 9 290 1 2 3 4 295 6 7 8 9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
4	WISC	406E	14	89

DIVISION JOB NO. 5991

Bench Marks

Sta.	Description	Elev.
300+73	Spike in Stump 47'L.	923.71
316+0	" " " 66'L.	948.98

R.E.M.S. Aug. '27 C.T.H. Jan. '28 E.B.H. Feb. '28 E.L. Feb. 29 W.M.U. & L.C.W.V. Mar. '29

4495

R.P. Tel. Pole 36.9' S.32°-0'W.

R.P. Fence Post 4.10 N.64°-30'W.

P.O.T. 301+0

CULTIVATED

300

305

R.P. Tel. Pole 58.9' S.19°-0'W.

P.I. 311+05.4
Δ=0°-02'R.

310

Sta. 315+50-24"X36' Cor. G.Met. pipe reqd. under Co. Trunk "E"- Left.
Sta. 315+57-24"X36' Cor. Galv. met. pipe reqd. under side road R.

PASTURE

COUNTY TRUNK "E"

END OF FED. SEC. PROJ. 406E
STA. 316+0

320

P.I. 321+35.1
Δ=0°-37'R.

R.P. 5" Poplar 55.5' N.65°-0'W.

TIMBER

325

R.P. 5" Poplar 98.2' S.18°-45'W.

P.O.T. 329+41.5

R.P. 5" Poplar 56.7' N.62°-45'W.

330

N.4°-33'W.

N.4°-31'W.

N.3°-54'W.

45'

FARMERS Tel. Co. Benoit

Wis. Bell Tel. Co

Sta. 302+0-24"X38' conc. pipe reqd. with 3 C.Y. Rock Breaker wall & 70 C.Y. offtake ditch.

R.P. Fence Post 19.5 N.50°-0'E.

Tile Lawn

Conc. Walk Lawn

Ho.

Barn

Barn

R.P. Tel. Pole 23.0' S.85°-0'E.

Sta. 313+0-24"X38' Conc pipe reqd. with 3 C.Y. rock Breaker wall & 15 C.Y. offtake ditch.

CULTIVATED

Willow Hedge 21' from ℄

Orchard

3184.0

3201.42 measured

Ho.

Barn

CULTIVATED

R.P. Poplar Stump 60.7 S.70°-45'E.

R.P. 5" Poplar 76.5' N.18°-45'E.

PASTURE

R.P. Pine Stump 83.3' S.63°-30'E.

Note: All telephone poles within Construction Limits to be moved to edge of new R/W.

Clearing & Grubbing
Sta. 316 to 330 - 1.41 Acres. Cl. & Gr.
Paved Ditches Reqd.
Sta. 316+0 To 323+0 - L. & R. = 1246 Sq. Yds.

Clearing & Grubbing
Sta. 299 to 316 - 0.42 Acres. Cl. & Gr.
Intercepting Ditches Reqd.
Sta. 298+0 to 302+0 - Right = 400 Lin. Ft.
Standard Guard Fence Reqd. Type "C"
Sta. 298+30 to 299+50 - Left = 7 Posts.
Paved Ditches Reqd.
Sta. 315+0 To 316+0 - Left + Right = 178 Sq. yds.

Net centerline length Sta. 299 to 316 = 1700' Sta. 316 to 330 = 1400'

4495

Sta. 298+35 to 300+60 - cut 305 C.Y. Fill 241 C.Y. Haul 16 C.Y. to sta's. 298 To 298+35 - shrg. A1 - 20%

Sta. 300+60 to 304 cut 409 C.Y. Fill 329 C.Y. Haul 14 C.Y. to sta's. 305 to 306 shrg. A1 - 20%

Sta. 304 To 307 cut 325 C.Y. Fill 288 C.Y. Borrow 6 C.Y. shrg. A1 - 20%

Sta. 307 To 311 - cut 465 C.Y. Fill 400 C.Y. Borro 1 C.Y. shrg. A1 - 20%

Sta. 311 to 314 cut 418 C.Y. Fill 337 C.Y. Haul 14 C.Y. To sta's. 308 to 309. shrg. A1 - 20%

Sta. 314 To 316 - cut 154 C.Y. Fill 232 C.Y. Borrow 174 C.Y. from Ditches Ahead of Sta. 316 - shrg. 20%

(6) (7)

end of fed. sec. proj. 406E Sta. 316+0

END OF FED. SECT. PROJ. 406E STA. 316+0

P.C. 316+50 El. 946.95

V.C. 200'

+1.7%

P.T. 318+50 El. 954.25

+3.57%

P.I. 322+20 El. 967.72

+3.0%

Lower El. for easmt of Gr.

P.C. 324+25 El. 988.35

V.C. 150'

P.T. 325+75 El. 979.25

+5.0%

P.C. 328+20 El. 966.5

V.C.

Sta. 316 To 320+80 - cut 687 C.Y. Fill 476 C.Y. Use 116 C.Y. to complete Fill Sta's. 314 To 316 shrg. A1 - 20%

Sta. 320+80 to 323 cut 266 C.Y. Fill 187 C.Y. Haul 42 C.Y. to Sta's. 323 to 324. shrg. 20%

Sta. 323 to 330 - cut 1610 C.Y. Fill 1481 C.Y. Borrow 19 C.Y. shrg. A1 - 15%

P.C. 306+0 El. 927.6

V.C. 200'

P.T. 308+10 El. 931.2

+2.8%

P.C. 310+50 El. 938.2

V.C. 100'

P.T. 311+50 El. 940.45

Sta. 313+0-24"X38' conc. pipe reqd.

+0.8%

P.C. 300+30 El. 922.1

V.C. 140'

P.T. 301+70 El. 924.16

+2.0%

Sta. 302+0-24"X38' conc. pipe culvt. reqd.

1000 990 980 970 960 950 940 930 920

0	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30
300					305					310					315					320					325					330
916.7	917.5	917.6	918.2	918.1	919.5	921.6	92.15	923.6	92265	924.0	923.3	923.8	924.16	924.4	924.0	925.2	926.6	926.0	926.2	926.8	927.6	928.3	928.8	930.6	931.2	933.1	934.0	936.4	936.8	938.3
938.45	939.5	941.6	941.3	941.6	943.0	943.7	944.7	944.9	945.55	945.97	946.1	946.4	946.4	946.74	947.0	947.16	947.33	947.3	948.1	949.1	949.9	952.1	952.6	955.5	956.0	959.5	959.5	961.4	961.9	962.4
962.3	963.0	966.2	966.5	969.4	969.6	971.0	972.6	973.9	975.9	977.9	980.5	983.8	985.5	988.8	990.5	993.8	994.8	998.6	999.2	999.5	998.6									

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	15	89

PASTURE DIV. JOB NO. 8931

Bench Marks

Sta.	Description	Elev.
332+23	Spike in Stump 46' L.	993.46
347+75	" " 7" Poplar 115' R.	964.92

Sta. 354+25 - 24"X38' Conc pipe culvt. with 40 c.y. offtake ditch reqd.

POT. 329+41.5

R.P. 5" Poplar 98.2' S. 18°-45' W.

R.P. 5" Poplar 56.7' N. 62°-45' W.

TIMBER

PUBLIC ROAD

Orchard

Wis. Bell Tel. Co.

CULTIVATED

POT. 345+63.0

R.P. Tel. Pole 56.1' S. 18°-45' W.

R.P. Tel. Pole 75.1' N. 19°-45' W.

POT. 358+17.7

R.P. Tel. Pole 18.9' S. 81°-0' W.

Farmers tel. Co - Benoit

Sta. 334+63 = S.E. Cor. Sec. 24-46-6

R.P. Pine Stp. 8.3' S. 65°-30' E.

Sta. 338+07 - 18"X 30' Cor. G. Met. pipe reqd under Pub. Road R.

Sta. 345+66 - 24"X 38' conc. pipe with 3 C.Y. Rock. B. Wall + 20 C.Y. offtake ditch reqd.

PASTURE

Note: All Telephone poles within Construction Limits to be moved to edge of new R/W.

Net centerline length Sta. 330 to 360 = 3000'

TIMBER

— Clearing & Grubbing —

Sta. 330 to 360 - 1.84 Ac. Cl. & Gr.

R.P. 6" Poplar 73.9' S. 43°-30' E.

R.E. M^s Aug. '27
L.B.N. Jan. '28
C.T.R. Feb. '28
E.L.

P.I. Ali 4495

V.C. 380'

-3.4%

Sta. 330 to 336 - cut 800 c.y. Fill 668 c.y. Haul 32 c.y. to sta's. 326 to 327 shrg. Al. 15%

P.C. 328+20 El. 991.5

P.T. 332+20 El. 984.4

Sta. 336 to 340 - cut 404 c.y. Fill 338 c.y. Borrow 2 c.y. shrg. Al. 20%

Sta. 340 to 344 cut 470 c.y. Fill 391 c.y. Waste 1 c.y. shrg. Al. 20%

Sta. 344 To 350 cut 597 c.y. Fill 473 c.y. Haul 29 c.y. to sta's. 351 to 352. Shrg. Al. 20%

Sta. 350 to 354 cut 379 c.y. Fill 343 c.y. Borrow 4 c.y. shrg. Al. 20%

Sta. 354 to 359 - cut 573 c.y. Fill 528 c.y. Borrow 20 c.y. shrg. Al. 20%

V.C. 230'

-1.2%

V.C. 200'

-0.5%

V.C. 240'

+2.5%

V.C. 200'

-1.2%

Sta. 345+66 - 24"X 38' conc. pipe culvt. reqd.

Sta. 354+25 - 24"X 38' conc. Pipe culvt. reqd.

P.C. 337+50 El. 976.4

P.C. 343+10 El. 966.4

P.T. 339+80 El. 970.24

P.T. 345+47 El. 964.7

P.C. 351+15 El. 960.63

P.T. 355+55 El. 962.88

P.C. 357+25 El. 967.13

P.T. 359+25 El. 968.7

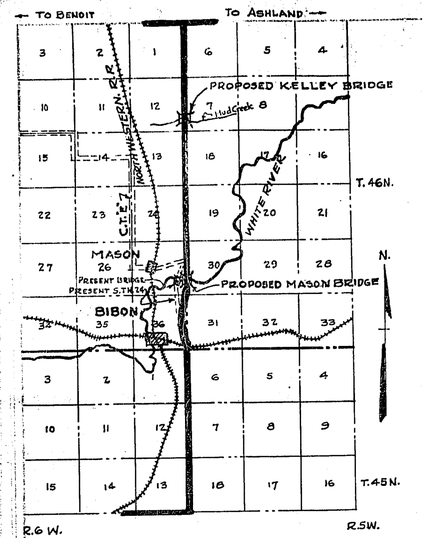
990 / 980 / 970 / 960

| | | |

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	406E		20	89

WISCONSIN PROJECT No.
DIVISION JOB No. 8331

E.E.M. July '27
C.L. Nov. '27



LOCATION SKETCH

BENCH MARK.
Cross on SE. Corner of West Wing Wall of South Abutment Sta. 287+50
Elev. = 900.37

NOTES ON SOUNDINGS

Sta. 287+56	℄	12.0'	From Top of Water To Hard Pan or Firm Clay
" " "	41.0' L.	24.0'	From Top of Water To " " " " "
" " "	41.0' R.	10.0'	" " " " " " " " "
Sta. 288+12	℄	23.0'	" " " " " " " " "
" " "	41.0' L.	8.0'	" " " " " " " " "
" " "	41.0' R.	15.6'	" " " " " " " " "

Soundings were taken with 1½ dia. rod. Soundings refer to Elev. 890.0

Present Steel Through Girder Span.
Span = 60:0". R'dy. = 16:0"

Tel. Pole

Present S.T.H. No. 24

Fence ⊥

RIVER.

55:0" Clear Span

288

287+85

℄ of Bridge Sta.

WHITE

289

10" Poplar
B.P. 36.1' - S. 12°-0' W.

287A

B.P. 54.1'

℄ of Survey. N. 4°-41' W.

EQUATION
287A+29.6 = 287+16.0

B.P. 59.1' - S. 57°-45' E.

16" Ash

NOTES:
Velocity of Stream = 15.5 ft. per sec.
Elev. Max. High Water. 894.5
Elev. Normal High Water. . . . 894.0
" Normal Water. 890.0
" Extreme Low Water. . . . 890.0
Elev. Old Bridge Floor. 900.37
" Low Steel of Old Bridge 898.4
Shipping Point is Mason on C. St. P. M. R.R.
1.5 Mi. from Mason Bridge & 3.7 Mi. from Kelley Bridge
All material except piling must be shipped in.

Elev. of Finished Floor 902.0

55:0" Clear

Elev. Normal High Water 894.0

Elev. Normal Water 890.0

Elev. Bottom of Footings 883.8

Soundings on ℄

890
880
870

Long Station 113.6

+50 886.3 — 895.0 — 287A — +60 893.0 — +50 890.0 — +50 886.8 — +81 886.3 — 887.5 — 288 — +11 890.2 — +20 893.2 — +30 894.4 — +50 893.1

GENERAL LAYOUT
OF THE
MASON BRIDGE
OVER
WHITE - RIVER.
Towns of Mason & Kelley Bayfield County.
Sta. 287+85
Scales: 1" = 10'-0" and Inch = One Mile
55'-0" Clear Span, 24'-0" R'dy.
SUPERSTRUCTURE: Conc. Deck Girder Type.
SUBSTRUCTURE; Reinforced Concrete Obutments.

CULVERT SCHEDULE.

SECTION-2

NAME OF ROAD GRAND VIEW BENOIT — BAYFIELD COUNTY. — FEDERAL PROJECT NO. 406E DIVISION JOB NO. 8331

MILE No	PLAN SHEET No	STATION	SIZE WIDTH	SIZE HEIGHT	SIZE LENGTH	KIND OF CULVERT	TYPE	INLET ENDWALL Stand. Straight	Finish above Opening	Sloping	Drop Inlet	Breaker Wall Req'd	DISCH. ENDW. Stand. Straight	Sloping	PLACE CULV. Left from ℄	Right from ℄	ELEV. BOT. BBL. Dischg.	Inlet	FLOW Left	FLOW Right	CONC. IN CULVERT	STEEL IN CULV.	REMARKS.
		338+07	18"		30'	Cor. G.M. Pipe	Copper Iron													N.			Under R. Side Rd. Remove Pres. 12" Cor. P.
		345+66	24"		38'	Conc. Pipe									19.0'	19.0'	961.5	961.7	✓				3 C.Y. Rock B. Wall, 3 C.Y. offtake Ditch
⑦		354+25	24"		38'	" "									19.0'	19.0'	957.6	958.0		12"			Reqd. Remove Pres. 10" Cor. Pipe
		364+30	24"		40'	" "									20.0'	20.0'	959.7	959.9	✓				40 C.Y. offtake D. Reqd. Remove pres. 10" pipe
	⑭	369+94																					25 C.Y. " " 12" "
		374+12																					" " 12" "
		379+43																					" " 12" "
⑧		382+75	36"		54'	" "									27.0'	27.0'	945.7	946.1	✓				Remove 2-16" Pipes now in place.
		399+75	24"		38'	" "									19.0'	19.0'	922.3	923.0	✓				3 C.Y. Rock B. Wall reqd. Remove Pres. Pipe
	⑮	410+35																					" " "
		417+35	24"		38'	" "									19.0'	19.0'	902.1	902.7	✓				" " "
		431+91	24"		58'	" "									25.0'	33.0'	877.4	880.4		✓			" " "
	⑥	439+24	8'	8'	13	Concr. Box.									4.5'	8.5'	849.45	850.05		✓	46.7	3075	Extend 8'x8'x43' Conc. Box Culv. See detail
⑨		447+33																					Remove pres. 9" Cor. Pipe.
		458+96				Concrete Special Structure over Mud Creek																	
	⑦	468+98	48"		48'	Conc. Pipe									24.0'	24.0'	869.3	869.6		✓			" " 36" " " Dig offtake 6 C.Y.
		475+32																					" " 12" " "
		489+55	24"		40'	" "									20.0'	20.0'	888.5	888.7		✓			" " 16" " "
⑩		491+89	18"		24'	Cor. G.M. Pipe	Copper Iron												S.				Under R. Side Road.
	⑧	499+70	24"		38'	Conc. Pipe									19.0'	19.0'	895.2	895.4	✓				Dig 50 C.Y. offt. Ditch. Remove Pres. 2x2 Conc. Box CULVT.
		516+30	24"		40'	" "									20.0'	20.0'	900.9	901.2		✓			" 35 " " " " Pres. 12" Pipe
⑪		533+47	24"		38'	" "									19.0'	19.0'	907.8	908.0		✓			" 45 " " " " " 12" "
		549+10	24"		38	" "									22.0'	16.0'	902.5	903.0	✓				" 20 " " " To New "K" Line Culv.
"C"	⑨	552C+50	24"		40	Cor. G.M. Pipe	Copper Iron								17.0'	23.0'	900.0	900.5		✓			" 5 " " " Remove Pipes - Sta. 55C+10 & 553+58
"K"		8K+87	24"		46	" " " "	" "								23.0'	23.0'	899.5	900.0					" 40 " " " " Pres. Cor. Pipe

SUMMARY OF PIPE CULVERTS.

CORRUGATED SHEET METAL PIPE (Total Lineal Feet.) TYPE	[redacted]" Diam	18" Diam	24" Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam
Pure Iron												
Copper Pure Iron												
Copper Iron	[redacted]'	24	86									
Molybdenum												
Copper Steel												

CAST IRON PIPE Diam.	Total Lin. Feet	Diam.	Total Lin. Feet

CONCRETE PIPE Diam.	Total Lin. Feet	Diam.	Total Lin. Feet
24"	44[redacted]		
36"	54		
48"	48		

CULVERT SCHEDULE.

SECTION-1

NAME OF ROAD GRAND VIEW-BENOIT — BAYFIELD COUNTY. — FEDERAL PROJECT NO. 406E DIVISION JOB NO. 8331

MILE No	PLAN SHEET No	STATION	SIZE WIDTH	SIZE HEIGHT	SIZE LENGTH	KIND OF CULVERT	TYPE	INLET ENDWALL Stand. Straight	Finish above Opening	Sloping	Drop Inlet	Breaker Wall Req'd	DISCH. ENDW. Stand. Straight	Sloping	PLACE CULV. Left from ℄	Right from ℄	ELEV. BOT. BBL. Dischg.	Inlet	FLOW Left	FLOW Right	CONC. IN CULVERT	STEEL IN CULV.	REMARKS.
		4+14.5				Concrete	Box Culvt.																24"x24"x29' Conc. Culv. in place OK.
		18+56	24"		40'	Conc. Pipe									21'	19'	964.5	965.3	✓				Remove Pres. 16"x28' Cor. Pipe
		23+63																					" " 12"x28' " "
		31+15	24"		44'	" "									21'	23'	965.0	967.0	✓				" " 15"x32' " "
①		34A+0	24"		42'	" "									22'	20'	969.3	970.0	✓				" " 12"x36' " Sta 34A+07 ①
	⑥	35A+77																					" " 15"x33' " "
		40A+45	24"		50'	" "									28'	22'	973.0	975.0	✓				" " 16"x34' " "
		44A+35	24"		40'	" "									21'	19'	976.0	976.6	✓				" " 12"x35' " "
		47A+0																					" " 12"x27' " "
		52A+93	24"		52'	" "									23'	29'	977.7	978.5	✓				" " 16"x34' " - 5 C.Y. Exc. for inlet thru old Rd
		55A+80	24"		44'	" "									25'	19'	979.3	981.0	✓				
		60A+40	24"		44'										24.5'	19.5'	985.5	990.5	✓				3 C.Y. Stone Breaker Wall reqd.
②	⑦	73A+0	24"		40'	Cor. G.M. Pipe	Copper Iron												✓				Install under Pres. Trav. S.T.H. 24 ②
		83+0	30"		40'	Conc. Pipe									20	20	975.1	976.1	✓				3 C.Y. Rock B. Wall reqd. + 60 C.Y. offtake ditch
	⑧	96+65	24"		26'	Cor. G.M. Pipe	" "													N.			Get R/W for offtake ditch
		100+0	30"		40'	Conc. Pipe									20	20	939.8	940.4	✓				Under R. Side road.
④	⑩	191+88.5																					3 C.Y. Rock B. Wall + 10 C.Y. offtake D. Reqd.
		223+71																	S.				20' Span Conc. Bridge in place. OK. ④
		224+68																	S.				18"x48' Cor. pipe in Pl. under R. road. OK
	⑪	225+96	24"		36'	Cor. G.M. Pipe	Copper Iron												S.				18"x36' " " " " " R. " OK
⑤		230+61																	✓				New Culv. reqd. under L. Side road. Remove Pres. 18"x36' Cor. pipe.
		250A+50	30"		48'	Conc. Pipe									19	29	959.8	963.4		✓			24"x91' cor pipe skewed + Stone B. Wall in place. OK.
	⑫	253A+43																		✓			Remove { 15"x38' cor. pipe Sta. 249+30 / 15"x98' " " " 250+49
		259A+51																					Remove pres. 12"x26' Cor. Pipe.
		275A+90	30"		56'	" "									27.5	28.5	911.8	912.7		✓			36"x64' Cor. Pipe with Conc. E. Walls in Pl.
	⑬	281A+52	48"		76'	" "									39.0	37.0	893.5	894.7	✓				
		302+0	24"		38'	" "									19.0	19.0	921.2	921.7	✓				3 C.Y. Rock B. Wall + 70 C.Y. offtake D. Reqd.
⑥		313+0	24"		38'	" "									19.0	19.0	939.7	940.1		✓			3 C.Y. " " " + 15 C.Y. " " "
	⑭	315+50	24"		36'	Cor. G.M. Pipe	Copper Iron												S.				Under Co. Tr. E. Left
		315+57	24"		36'	" " " "	" "												S.				" R. Side Road - Remove Pres. 10" Cor. Pipe
		338+07	18"		30'	" " " "	" "													N.			Under R. Side " " " 12" " "
		345+66	24"		38'	Conc. Pipe									19.0	19.0	961.5	961.7	✓				3 C.Y. Rock B. Wall + 20 C.Y. offtake ditch Reqd. Remove pres. 10" cor. Pipe
⑦	⑮	354+25	24"		38'	" "									19.0	19.0	957.6	958.0		✓			40 C.Y. Offtake D. Reqd. Remove Pres. Pipe
		364+30	24"		40'	" "									20.0	20.0	959.7	959.9	✓				25 " " " " " " " ⑥

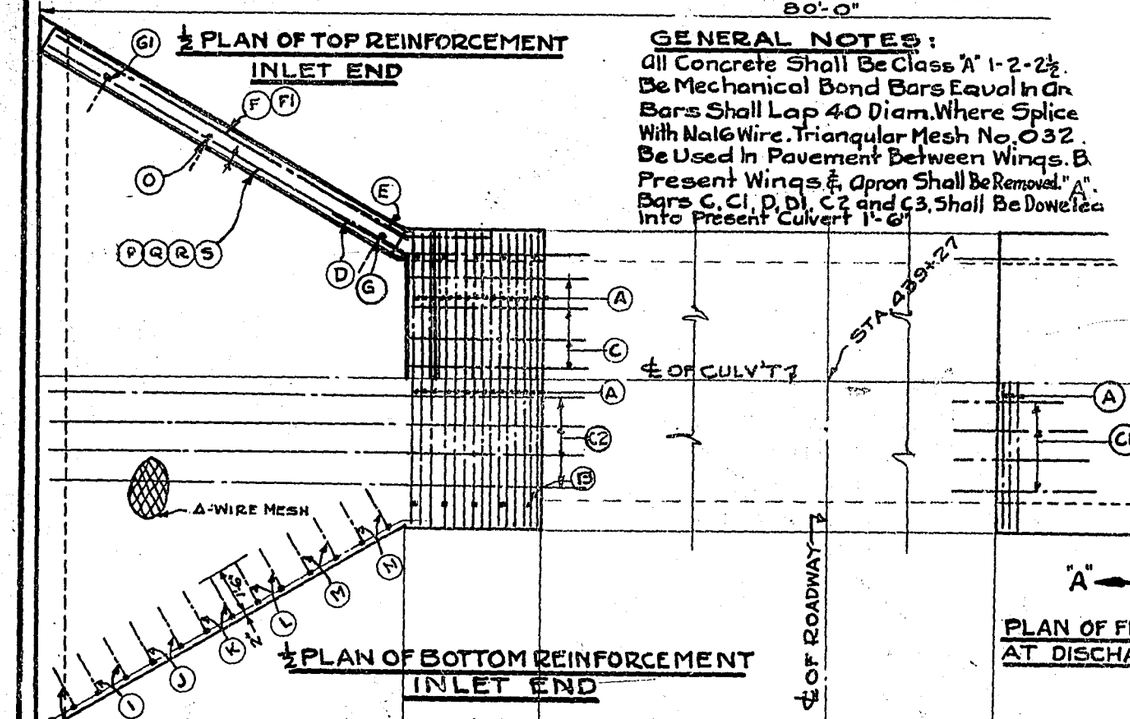
SUMMARY OF PIPE CULVERTS.

CORRUGATED SHEET METAL PIPE (Total Lineal Feet.) TYPE	24" Diam	18" Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam	Diam
Pure Iron												
Copper Pure Iron												
Copper Iron	174'	30'										
Molybdenum												
Copper Steel												

CAST IRON PIPE Diam.	Total Lin. Feet	Diam.	Total Lin. Feet

CONCRETE PIPE Diam.	Total Lin. Feet	Diam.	Total Lin. Feet
24"	548		
30"	184		
48"	76		

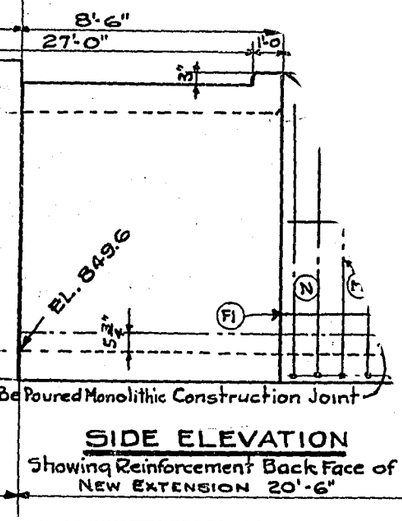
½ PLAN OF TOP REINFORCEMENT
INLET END



½ PLAN OF BOTTOM REINFORCEMENT
INLET END

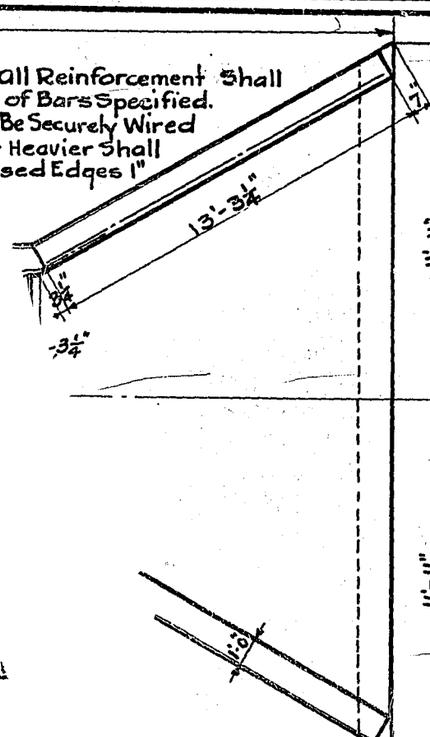
SECTION ON CENTERLINE
Showing Reinforcement Front Face of Wings
NEW EXTENSION 16'-6"

PRESENT CULV'T.
PRESENT CULVERT 43'-0"



SIDE ELEVATION
Showing Reinforcement Back Face of W
NEW EXTENSION 20'-6"

PLAN OF FINISHED AT DISCHARGE

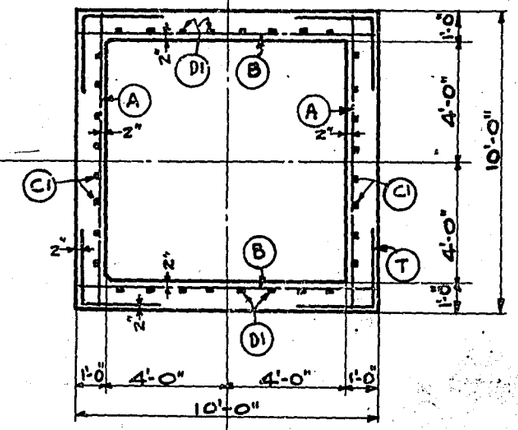


GENERAL NOTES:

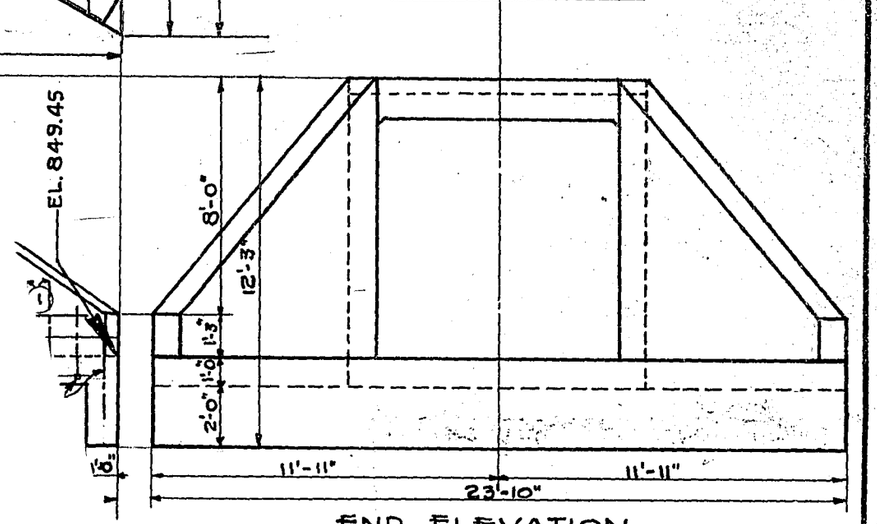
All Concrete Shall Be Class "A" 1-2-2½.
Be Mechanical Bond Bars Equal In Ar
Bars Shall Lap 40 Diam. Where Splice
With No 16 Wire. Triangular Mesh No. 032.
Be Used In Pavement Between Wings. B
Present Wings & Apron Shall Be Removed." A".
Bars C, C1, D, D1, C2 and C3, Shall Be Doweled
Into Present Culvert 1'-6"

BILL OF BARS

Mark	No	Size	Length	Spacing	Location
M	8	½" □	9'-6"	1'-0"	Vertical in Wings, Back Face (Bent)
N	8	½" □	10'-6"	1'-0"	" " " " " "
O	4	½" ⌀	7'-0"	Shown	" " In Wings Front Face "
P	8	½" □	5'-0"	1'-0"	Horizontal " " " "
Q	8	½" □	8'-0"	1'-0"	" " " " " "
R	8	½" □	11'-0"	1'-0"	" " " " " "
S	4	½" □	13'-0"	1'-0"	" " " " " "
T	56	½" □	5'-0"	1'-0"	In Corners of Barrel



SECTION 'A-A'



END ELEVATION

BILL OF BARS

Mark	No	Size	Length	Spacing	Location
A	104	⅝" ⌀	9'-6"	3"	Transverse, Top & Bottom
B	28	½" □	9'-6"	1'-0"	Vertical, Side Walls
C	16	½" □	6'-0"	1'-0"	Longitudinal Top & Bottom Inlet End.
C1	16	½" □	10'-0"	1'-0"	" " " " Disch. End.
D	16	½" □	8'-6"	1'-0"	Horizontal, Side Walls, Inlet End. (Bent)
D1	16	½" □	12'-6"	1'-0"	" " " Disch. End " "
E	32	½" □	5'-0"	1'-0"	Horizontal in Corners of Wings Back Face
F	4	½" □	8'-0"	Shown	" in Wings Back Face
F1	4	½" □	11'-0"	1'-0"	Horizontal in Wings Back
G	4	½" ⌀	10'-6"	Shown	Vertical " " Front
G1	4	½" ⌀	5'-0"	"	" " " "
H	8	½" □	3'-9"	1'-0"	" " " Back Face
I	8	½" □	4'-9"	1'-0"	" " " " "
J	8	½" □	6'-0"	1'-0"	" " " " "
K	8	½" □	7'-0"	1'-0"	" " " " "
L	8	½" □	8'-0"	1'-0"	" " " " "
C2	8	½" □	17'-9"	1'-0"	Longitudinal in Bottom Inlet End.
C3	8	½" □	21'-9	1'-0"	" " " Discharge End.

ATED QUANTITIES

....46.7 CU.YDS.
IG STEEL 3075 LBS.
WIRE MESH. 405 SQ. FT.

DETAILS OF ADDITIONS TO 8' X 8' CONCRETE CULVERT
Sta. 439+27

WISCONSIN HIGHWAY COMMISSION

CORRECT: F. Crane — PLAN ENGINEER

APPROVED: C. H. Swanson — DEPUTY STATE HIGHWAY ENGINEER

APPROVED: W. C. Brueteus — STATE HIGHWAY ENGINEER.

Proj. 406F — A

Proj 406F — M

Sta. 439+27

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	79	89

DIVISION JOB NO. 8331

1"=1000 CU.YDS.

500' FREE HAUL

OVERHAUL = 188610 STA. YDS.

100 1 2 3 4 105 6 7 8 9 110 1 2 3 4 115 6 7 8 9 120 1 2 3 4 125 6 7 8 9 130 1 2 133

1"=1000 CU.YDS.

133 4 135 6 7 8 9 140 1 2 3 4 145 6 7 8 9 150 1 2 3 4 155 6 7 8 9 160 1 2 3 4 165

1"=1000 CU.YDS.

165 6 7 8 9 170 1 2 3 4 175 6 7 8 9 180 1 2 3 4 185 6 7 8 9 190 1 2 3 4 195 6 7 198

1"=1000 CU.YDS.

500' FREE HAUL

OVERHAUL = 176370 STA. YDS.

198 9 200 1 2 3 4 205 6 7 8 9 210 1 2 215 6 7 8 9 220 1 2 3 4 225 6 7 8 9 230 23

PLATE 3 - CROSS SECTION

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

406E-02-8-3-55

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	30	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
964.7				
6+0 962.2		56		115
	9	40		
963.82				
5+37 963.1		20		71
	9	21		
963.6				
5+0 962.8		9		24
	6	11		
963.4				
4+66 962.3		7		15
	7	13		
963.4				
4+0 961.8		15		51
	6	29		
964.5				
3+0 963.6		37		98
	14	24		
967.0				
2+0 967.4		61		83
	19	21		
969.6				
1+0 971.2		83		80
	26	22		
972.2				
0+0 976.0		128		44
	43	2		
973.71				
0-42 977.8		67		9
	43	10		
TOTALS		483		570

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
11+0 971.6				98
970.8		31		14
10+30 968.5			59	55
968.56		15		28
10+0 968.3			18	32
967.6		18		30
9+25 967.3			103	64
966.2		56		16
9+0 969.1			55	15
966.0		62		15
8+80 968.6			46	8
965.88		63		8
8+65 968.1			32	6
965.79		55		12
8+53 969.0			26	6
965.72		63		12
8+0 967.5			93	24
965.4		32		13
7+0 964.8			98	65
		21		22
TOTALS		628		338

PLATE 3 - CROSS SECTION - P. T. L. H. E. STANDARD
HEUFFEL & ESSER CO. NEW YORK

FINAL SURVEY
ORIGINAL SURVEY
McHuffen
C.E.
G.E.
B.R.
DATE June 27
Feb
1494

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	31	89

DIVISION JOB NO. 8331

FINAL SURVEY — SURVEYED BY ... TRAVERSED ... NOTE BOOK ... AREAS COMPUTED ... CHECKED ...

ORIGINAL SURVEY — TRAVERSED ... PLOTTED ... CHECKED ... NOTE BOOK ... AREAS COMPUTED ... CHECKED ...

DATE June Feb.

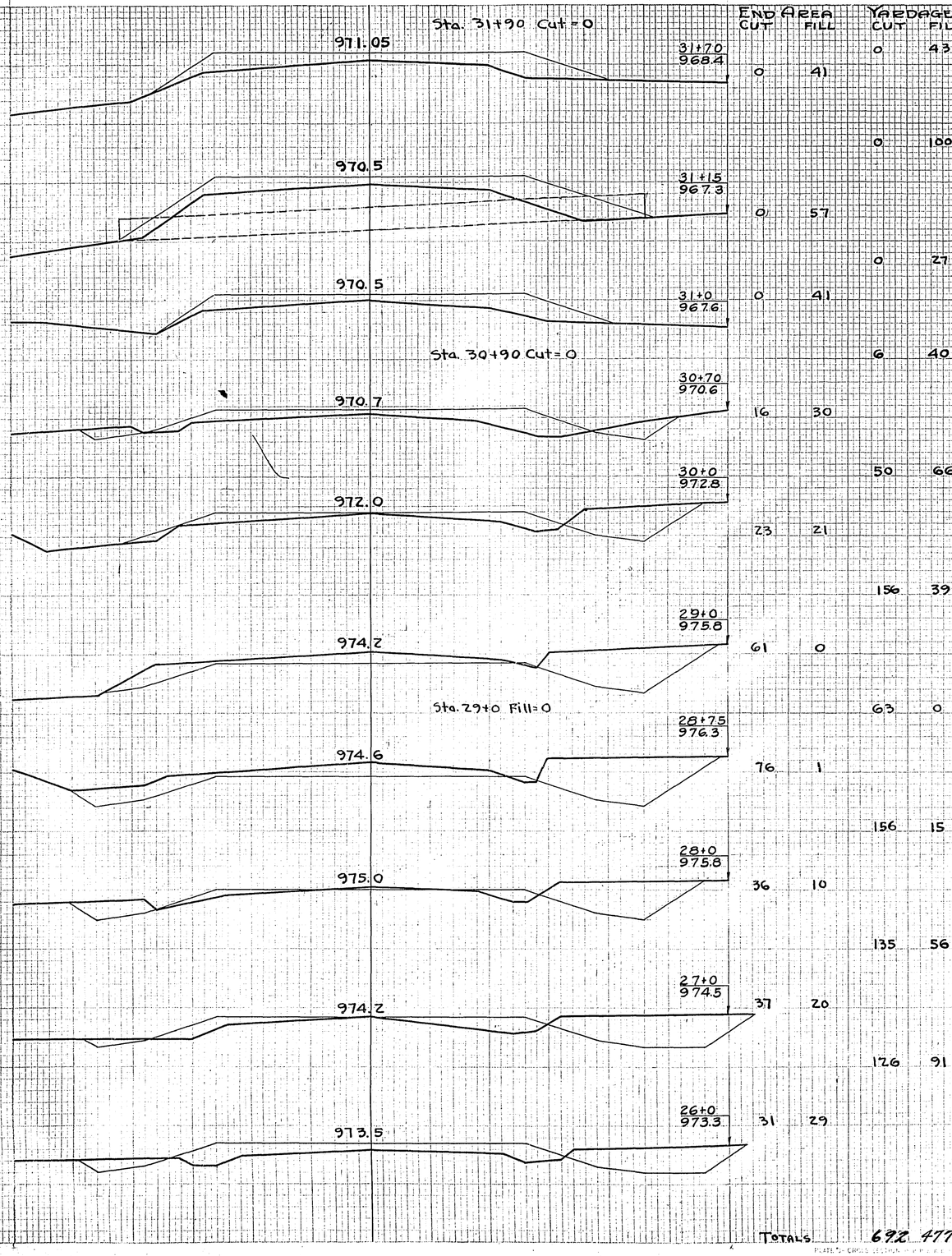
A.E. Mullen
T.G.E.
G.E.
B.A.

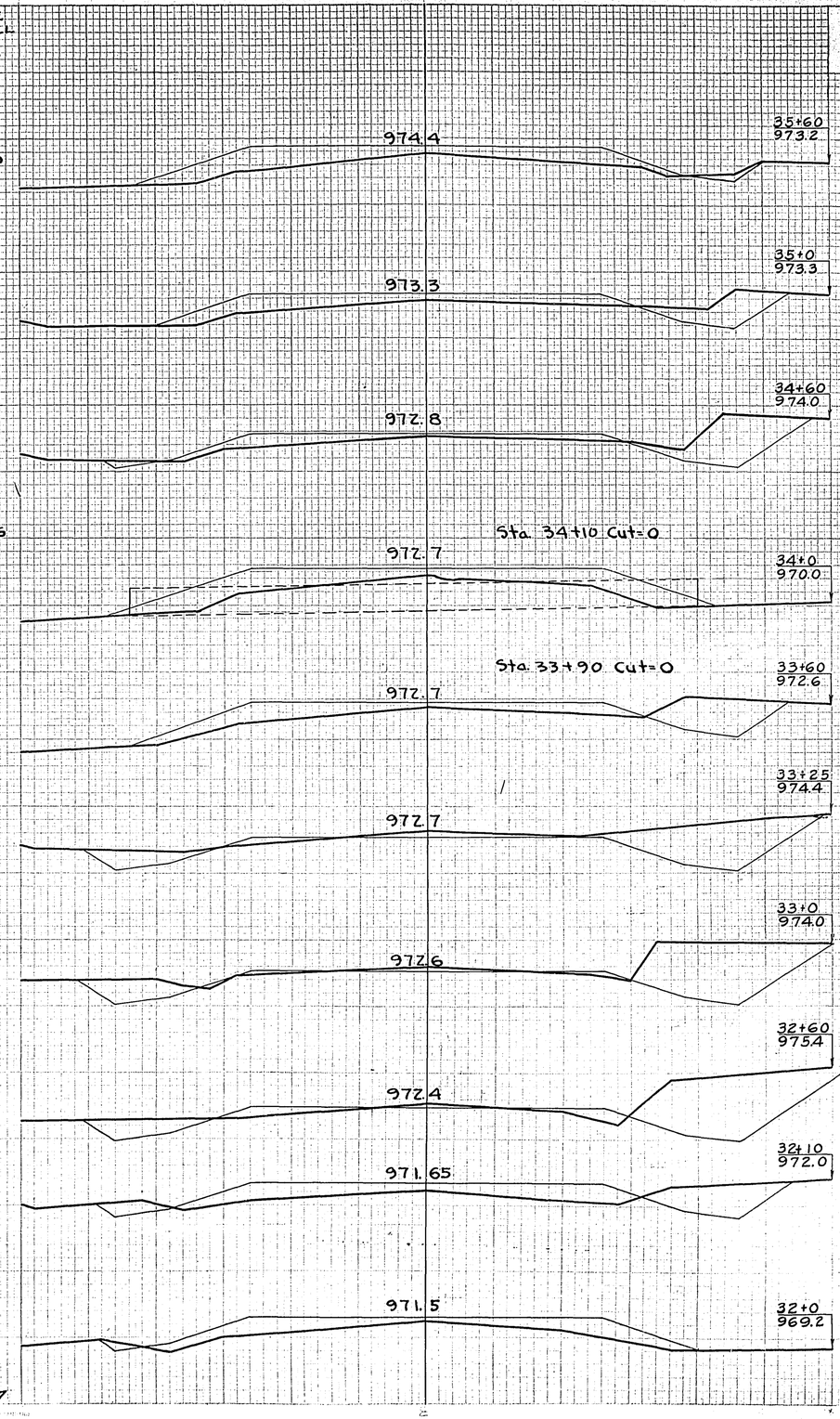
	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
16+50 970.2				
970.75	22	16	24	85
16+0 974.5				
972.5	34	36	52	48
15+60 978.1				
973.9	83	4	87	30
Sta. 15+40 Fill = 0				
15+0 980.8				
975.8	204	0	319	2
14+85 980.3				
976.1	177	0	106	0
Sta. 14+80 Fill = 0				
14+40 979.0				
976.7	93	2	225	2
14+0 977.4				
976.9	29	22	91	18
13+0 975.8				
976.0	11	55	74	143
12+25 975.1				
974.5	31	12	58	93
12+0 973.3				
974.0	22	20	24	15
25+0 972.8				
973.2	99	107	20	26
24+0 971.3				
973.0	41	115	2	36
23+0 971.6				
972.8	11	120	4	29
22+0 973.1				
972.5	39	80	17	15
21+25 973.4				
972.0	75	31	37	7
21+0 973.6				
971.4	41	6	51	6
20+0 969.5				
969.0	144	31	27	11
19+0 966.7				
967.6	56	107	3	44
18+0 967.1				
967.8	22	211	9	66
17+0 968.2				
969.4	76	263	5	76
TOTALS	1060	436	549	1061

PLATE 3 — CROSS SECTIONS OF PROPOSED ROADWAY & COMPUTATIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4066	32	89

DIVISION JOB NO. 8331





	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
31+70 968.4	0	41	0	43
			0	100
31+15 967.3	0	57		
			0	27
31+0 967.6	0	41		
			6	40
30+70 970.6	16	30		
			50	66
30+0 972.8	23	21		
			156	39
29+0 975.8	61	0		
			63	0
28+75 976.3	76	1		
			156	15
28+0 975.8	36	10		
			135	56
27+0 974.5	37	20		
			126	91
26+0 973.3	31	29		
TOTALS			692	477

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
35+60 973.2			2	59
	2	41		
35+0 973.3			17	78
	13	29		
34+60 974.0			28	33
	25	15		
			23	70
34+0 970.0	0	49		
			11	57
33+60 972.6	20	28		
			43	20
33+25 974.4	47	3		
			49	2
33+0 974.0	59	1		
			89	7
32+60 975.4	62	8		
			81	33
32+10 972.0	25	28		
			5	12
32+0 969.2	1	36		
TOTALS			348	371

FINAL SURVEY NOTE BOOK — DATE — BY — NO. — SURVEYED — PLOTTED — CHECKED — LINES — FILES — REMARKS

ORIGINAL SURVEY NOTE BOOK — DATE June 25 — BY H.C. Muller — NO. 6655 — SURVEYED — PLOTTED — CHECKED — LINES — FILES — REMARKS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1066	33	89

DIVISION JOB NO. 8331

FINAL SURVEY — NOTE BOOK — NO. — DATE — COMPUTED — PLOTTED — CHECKED — TRACED — INKED — AREAS — TEST CHECKED

DATE June Feb " " — BY H.C. Hollen — NOTE BOOK — NO. — AREAS

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			76	96
42A+0 979.1				
978.6				
	29	18		
41A+0 979.2				
978.5				
	32	29		
Sta. 40A+70 Cut=0				
978.8				
40A+45 976.0				
	0	96		
Sta. 40A+25 Cut=0				
40A+0 979.2				
979.1				
	17	35		
39A+40 982.8				
979.7				
	61	2		
39A+0 982.3				
980.1				
	54	3		
38A+40 982.3				
980.5				
	64	1		
38+0 982.6				
980.3				
	51	5		
37+0 980.1				
978.5				
	32	3		
36+0 973.1				
975.5				
Sta. 36+0 Cut=0				
			810	570
49A+0 981.4				
982.0				
	14	37		
48A+0 979.6				
980.7				
	9	29		
47A+0 979.6				
980.2				
	8	34		
46A+0 981.6				
979.8				
	60	2		
45A+50 982.7				
979.6				
	89	1		
45A+0 980.8				
979.4				
	53	4		
44A+35 976.9				
979.14				
	5	31		
44A+0 978.2				
979.0				
	11	26		
43A+0 978.3				
978.8				
	12	34		
			653	602

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			61	102
			43	122
			32	117
			126	67
			137	2
			132	6
			68	43
			11	37
			43	111
			59	82
			154	15
			85	4
			132	4
			64	1
			85	4
			59	82

PLATE 3 - CROSS SECTION O.P. & R.R. SURVEY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	34	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
52A+96 982.6				
984.2				
Sta. 52A+96 Cut=0				
	0	15		
52A+93 982.6				
984.21				
	1	89		
	0	17		
	2	195		
	0	15		
52A+90 982.5				
984.22	3	77		
	6	78		
52A+50 984.5				
984.3	4	24		
	32	33		
52A+0 985.0				
984.4	30	12		
	48	8		
51A+70 986.3				
984.46	57	3		
	129	9		
51A+0 985.5				
984.5	42	4		
	68	8		
50A+50 984.7				
984.1	32	5		
	47	21		
50A+0 983.3				
983.5	19	18		
TOTALS	330	204		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
57A+0 982.7				
985.0				
			132	4
	29	57		
			20	22
56A+75 981.3				
984.7				
	16	46		
56A+50 983.3				
984.4			7	91
Sta. 56A+50 Cut=0	0	150		
56A+0 984.5				
984.0			22	224
	24	92		
55A+80 983.6				
983.8			13	68
	10	94		
55A+65 984.6				
983.8			7	33
Sta. 55A+15 Fill=0	24	29		
55A+0 985.7				
983.8			122	28
	78	0		
54A+05 985.2			287	0
983.99				
	85	0		
Sta. 54A+05 Fill=0			17	1
54A+0 984.6				
984.0				
	47	7		
53A+60 982.2			35	43
984.08				
Sta. 53A+60 Cut=0	0	50		
53A+0 980.4			0	168
984.2				
	0	102		
TOTALS	657	682		

FINAL SURVEY — SUPPLIED / PLOTTED / CHECKED / AUGUST 2005 / LEAD / PERSONNEL / NO

DATE June
M. Miller
M.O. Rec.
Rec.
E

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4066	35	89

DIVISION JOB NO. 8331

FINAL SURVEY — COMPUTED — CHECKED — NOTE BOOK — PAGE NO. — DATE

ORIGINAL SURVEY — COMPUTED — CHECKED — NOTE BOOK — PAGE NO. — DATE

REVISED ROAD GRADES — DATE June Feb ''

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
61A+20 996.1			34	63
995.0	31	89		
61A+0 995.0			21	55
994.5	27	58		
60A+55 993.2			31	106
993.37	10	69		
60A+40 992.9			6	56
993.0	10	132		
			4	39
60A+30 992.8				
992.75	12	77		
60A+0 992.5			15	68
992.0	15	45		
59A+60 991.8			42	42
991.0	41	11		
59A+0 990.3			78	27
989.5	29	13		
58A+0 987.4			132	24
987.0	42	0		
Totals	363	480		

Sta. 58A+0 Fill = 0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
67A+50 1023.1				
1023.7	41	4	83	13
67A+0 1022.3			99	4
1021.7	57	0		
66A+0 1018.9			307	0
1016.0	109	0		
Sta. 65+75 Fill = 0			296	24
65A+0 1012.0				
1010.0	51	17		
64+0 1004.4			109	198
	8	90		
63A+0 1002.5			109	198
1000.0	51	17		
			157	80
62A+0 999.0				
997.0	34	26		
61A+65 998.6			51	33
996.17	45	25		
61A+45 997.9			32	27
995.62	42	47		
Totals	1335	577		

PLATE : CROSS SECTION SCALE 1" = 10'
HORIZ. SCALE 1" = 100'

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	36	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta. 72A+50 Fill=0				
72A+50 1015.6			61	18
1015.8	76	2		
72A+0 1019.3			141	2
1017.9	76	0		
71A+50 1022.3			153	0
1020.0 26.0	89	0		
Sta. 71A+50 Fill=0				
71A+0 1023.0			109	9
1022.1	29	10		
70A+50 1023.4			35	30
1023.8	9	46		
Sta. 70A+0 Cut=0				
70A+0 1024.3			8	139
1025.1	0	104		
69A+50 1025.0			2	155
1025.8	2	63		
69A+0 1025.6			16	73
1026.0	15	16		
68A+65 1027.6			30	19
1025.9	30	14		
68A+50 1026.1			19	8
1025.7	40	17		
68A+0 1026.9			82	25
1025.0	49	10		
TOTALS	656	478		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
80+0 987.2			133	78
986.6	47	15		
79+0 991.4			170	65
990.4	45	20		
78+0 994.3			130	93
994.2	25	30		
77+0 997.6			65	143
998.0	10	47		
76+0 1001.7			61	130
1001.8	23	23		
75+0 1006.7			113	44
1005.6	38	11		
74+50 1008.3			54	22
1007.4	29	17		
74A+0 1011.8			38	45
1009.5	12	32		
73A+50 1011.2			17	99
1011.6	6	75		
73A+0 1012.2			34	128
1013.7	31	63		
72A+80 1012.6			24	35
1014.54	34	31		
TOTALS	837	882		

PLATE 2 - CROSS SECTION

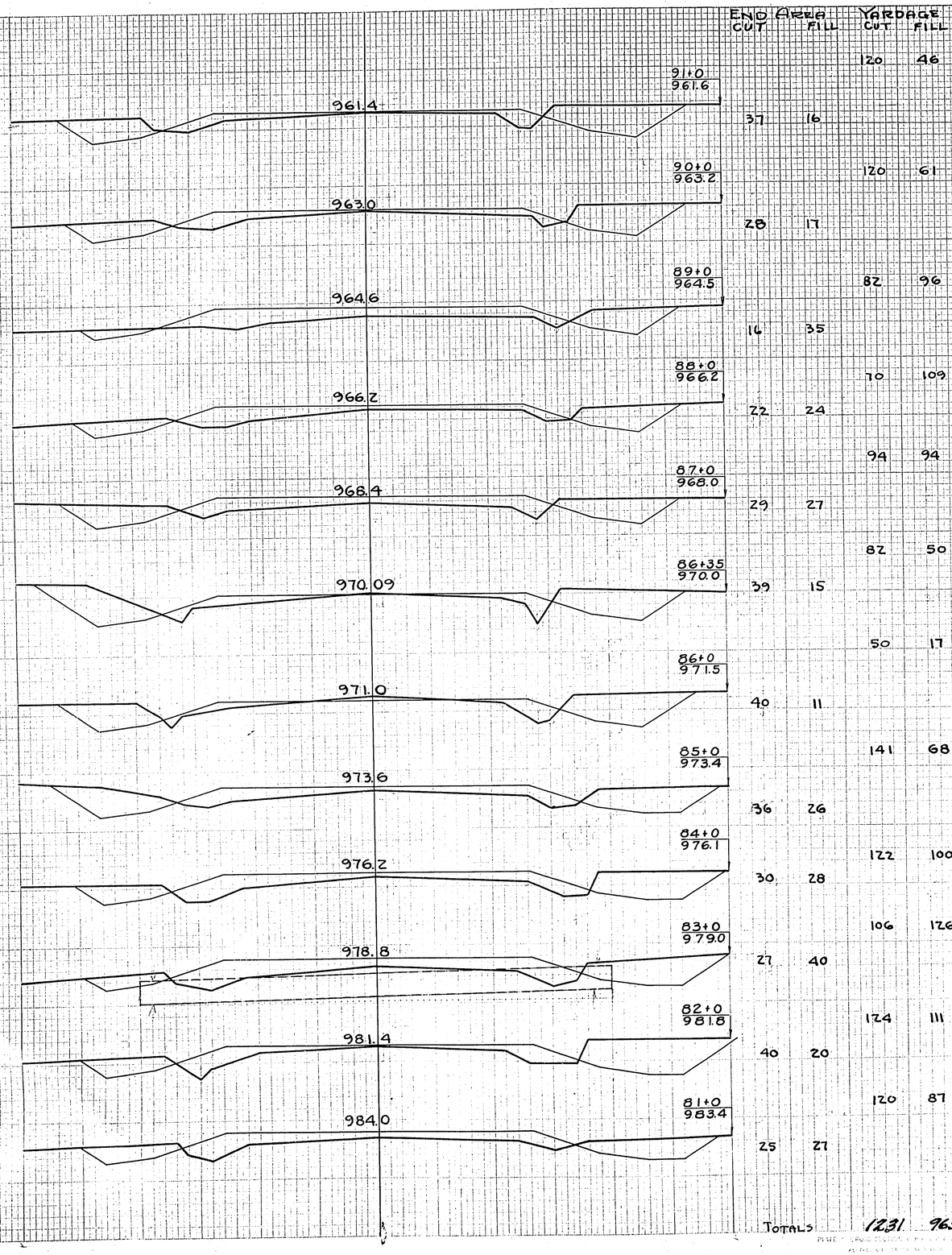
ORIGINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — ISSUED — NO. — JOBS CHECKED

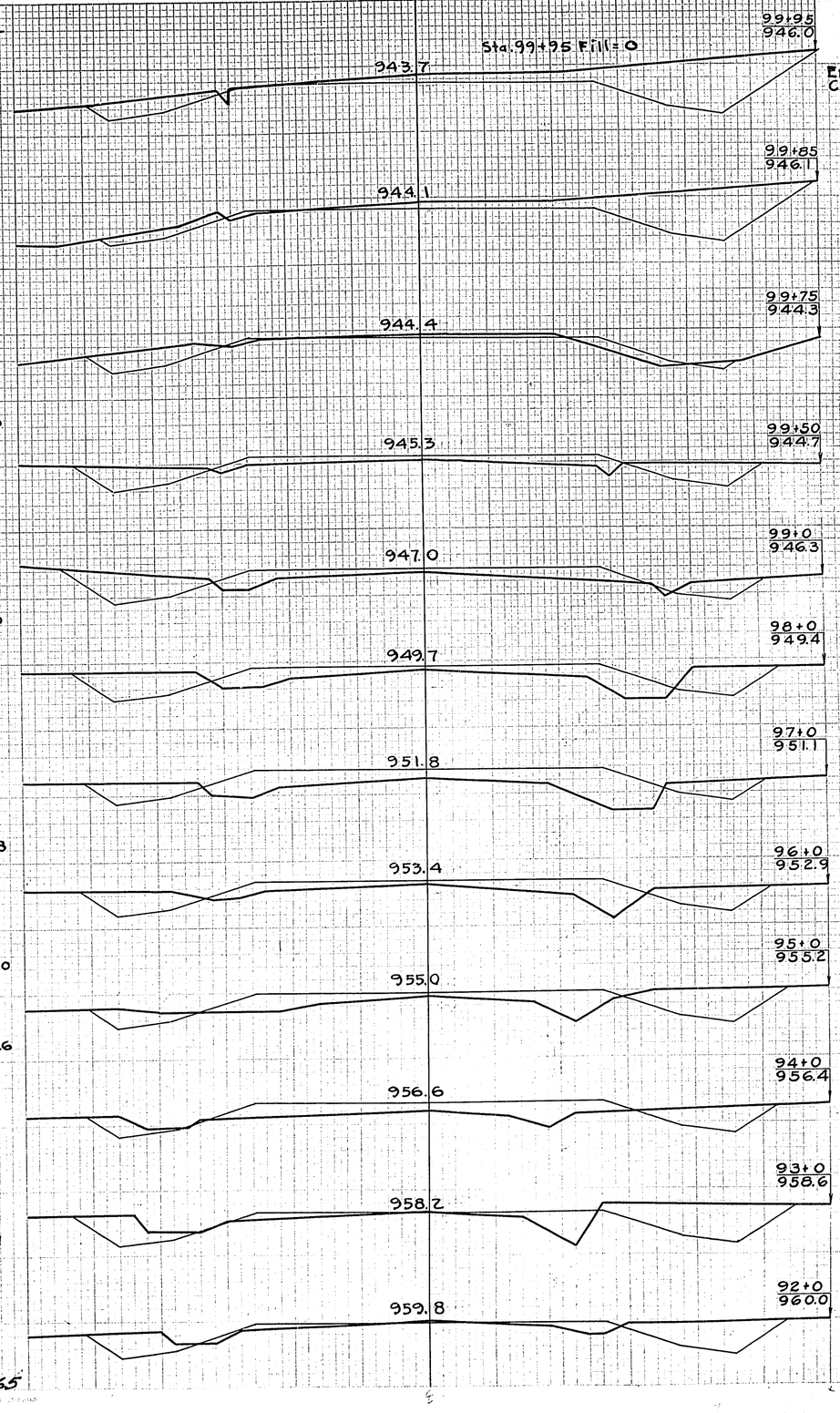
FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — ISSUED — NO. — JOBS CHECKED

DATE June 1960 — BY R.S. Mullen — P.O. — SEC. — T. — R. — E.

FED. ROAD DIST. NO.	STATE	GRADE PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	37	89

DIVISION JOB NO. 8331





	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			120	46
	37	16		
			120	61
	28	17		
			82	96
	16	35		
			70	109
	22	24		
			94	94
	29	27		
			82	50
	39	15		
			50	17
	40	11		
			141	68
	36	26		
			122	100
	30	28		
			106	126
	27	40		
			124	111
	40	20		
			120	87
	25	27		
TOTALS	1231	965		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			9	0
	65	0		
			22	0
	57	1		
			13	2
			16	5
			20	9
	27	16		
			44	37
	20	24		
			83	98
	25	29		
			78	139
	17	46		
			72	132
	22	25		
			87	94
	25	26		
			78	104
	17	30		
			100	80
	37	13		
			120	41
	28	9		
TOTALS	736	736		

FINAL SURVEY — PLOTTED, TIED, NOTE BOOK, CHECKED, NO.

Mc Mullen
Mc Cord
Gee
Lee
June
Jan
Feb

FED. ROAD DIST. NO.	STATE	FEDAID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7066	38	89

DIVISION JOB NO. 8331

FINAL SURVEY PLOTTED / CHECKED NOTE BOOK / PAGES / DATE / CHECKED

M. Miller E.O.G. L.Mac L.F. June 15/28 Jan. 28 Feb. 29

ORIGINAL SURVEY PLOTTED / CHECKED NOTE BOOK / PAGES / DATE / CHECKED

END AREA YARDAGE

	CUT	CUT	CUT	Fill
101+70			824	31
942.2				
	936.7			
			864	25
			2058	53
101+05				
945.0				
	939.3			
			845	19
101+0				
945.1				
			156	3
	939.5			
			842	13
			1817	24
100+35				
945.7				
	942.1			
			667	7
			456	6
100+0				
943.9				
	943.5			
			36	1
Totals			5311	117

PLATE 2 - CROSS SECTION OF TYPICAL CUT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	39	89

DIVISION JOB NO. 8831

FINAL SURVEY NOTE BOOK

ORIGINAL SURVEY NOTE BOOK

McMullen
E.P.C.
L.A.M.
L.C.S.

June
Jan.

END AREA YARDAGE

	CUT	FILL
104+0		
928.5	63	78
	10	20
	28	106
103+0		
930.7	5	37
	1154	124
102+0		
938.4	618	30
TOTALS	1245	308

928.5

931.7

935.5

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	40	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
106+0			83	61
922.8				
	22	18		
105+0			85	74
925.2				
	24	22		
104+0				
927.6				
	24	22		
103+0				
930.0				
	24	22		
102+0				
932.4				
	24	22		
101+0				
934.8				
	24	22		
100+0				
937.2				
	24	22		
99+0				
939.6				
	24	22		
98+0				
942.0				
	24	22		
97+0				
944.4				
	24	22		
96+0				
946.8				
	24	22		
95+0				
949.2				
	24	22		
94+0				
951.6				
	24	22		
93+0				
954.0				
	24	22		
92+0				
956.4				
	24	22		
91+0				
958.8				
	24	22		
90+0				
961.2				
	24	22		
89+0				
963.6				
	24	22		
88+0				
966.0				
	24	22		
87+0				
968.4				
	24	22		
86+0				
970.8				
	24	22		
85+0				
973.2				
	24	22		
84+0				
975.6				
	24	22		
83+0				
978.0				
	24	22		
82+0				
980.4				
	24	22		
81+0				
982.8				
	24	22		
80+0				
985.2				
	24	22		
79+0				
987.6				
	24	22		
78+0				
990.0				
	24	22		
77+0				
992.4				
	24	22		
76+0				
994.8				
	24	22		
75+0				
997.2				
	24	22		
74+0				
999.6				
	24	22		
73+0				
1002.0				
	24	22		
72+0				
1004.4				
	24	22		
71+0				
1006.8				
	24	22		
70+0				
1009.2				
	24	22		
69+0				
1011.6				
	24	22		
68+0				
1014.0				
	24	22		
67+0				
1016.4				
	24	22		
66+0				
1018.8				
	24	22		
65+0				
1021.2				
	24	22		
64+0				
1023.6				
	24	22		
63+0				
1026.0				
	24	22		
62+0				
1028.4				
	24	22		
61+0				
1030.8				
	24	22		
60+0				
1033.2				
	24	22		
59+0				
1035.6				
	24	22		
58+0				
1038.0				
	24	22		
57+0				
1040.4				
	24	22		
56+0				
1042.8				
	24	22		
55+0				
1045.2				
	24	22		
54+0				
1047.6				
	24	22		
53+0				
1050.0				
	24	22		
52+0				
1052.4				
	24	22		
51+0				
1054.8				
	24	22		
50+0				
1057.2				
	24	22		
49+0				
1059.6				
	24	22		
48+0				
1062.0				
	24	22		
47+0				
1064.4				
	24	22		
46+0				
1066.8				
	24	22		
45+0				
1069.2				
	24	22		
44+0				
1071.6				
	24	22		
43+0				
1074.0				
	24	22		
42+0				
1076.4				
	24	22		
41+0				
1078.8				
	24	22		
40+0				
1081.2				
	24	22		
39+0				
1083.6				
	24	22		
38+0				
1086.0				
	24	22		
37+0				
1088.4				
	24	22		
36+0				
1090.8				
	24	22		
35+0				
1093.2				
	24	22		
34+0				
1095.6				
	24	22		
33+0				
1098.0				
	24	22		
32+0				
1100.4				
	24	22		
31+0				
1102.8				
	24	22		
30+0				
1105.2				
	24	22		
29+0				
1107.6				
	24	22		
28+0				
1110.0				
	24	22		
27+0				
1112.4				
	24	22		
26+0				
1114.8				
	24	22		
25+0				
1117.2				
	24	22		
24+0				
1119.6				
	24	22		
23+0				
1122.0				
	24	22		
22+0				
1124.4				
	24	22		
21+0				
1126.8				
	24	22		
20+0				
1129.2				
	24	22		
19+0				
1131.6				
	24	22		
18+0				
1134.0				
	24	22		
17+0				
1136.4				
	24	22		
16+0				
1138.8				
	24	22		
15+0				
1141.2				
	24	22		
14+0				
1143.6				
	24	22		
13+0				
1146.0				
	24	22		
12+0				
1148.4				
	24	22		
11+0				
1150.8				
	24	22		
10+0				
1153.2				
	24	22		
9+0				
1155.6				
	24	22		
8+0				
1158.0				
	24	22		
7+0				
1160.4				
	24	22		
6+0				
1162.8				
	24	22		
5+0				
1165.2				
	24	22		
4+0				
1167.6				
	24	22		
3+0				
1170.0				
	24	22		
2+0				
1172.4				
	24	22		
1+0				
1174.8				
	24	22		
0+0				
1177.2				
	24	22		
1177+2				
1179.6				
	24	22		
1178+0				
1181.4				
	24	22		
1179+0				
1183.8				
	24	22		
1180+0				
1186.2				
	24	22		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4065	41	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	82
126+0 916.8	918.1			
			0	24
			0	104
125+0 917.0	918.25			
			0	32
			0	113
124+0 917.2	918.4			
			0	29
			0	104
123+0 917.0	918.55			
			0	27
			0	93
122+0 917.4	918.7			
			0	23
			0	87
121+0 917.6	918.85			
			0	24
			0	82
120+0 918.0	919.0			
			0	20
			0	70
119+0 918.2	919.15			
			0	18
			0	70
118+0 918.4	919.3			
			0	20
			0	82
117+0 918.2	919.45			
			0	24
TOTALS			0	887

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	76
136+0 915.0	916.6			
			0	19
			0	70
135+0 915.3	916.75			
			0	19
			0	80
134+0 915.4	916.9			
			0	24
			0	74
133+0 916.1	917.05			
			0	16
			0	52
132+0 915.4	917.2			
			0	12
			0	59
131+0 915.6	917.35			
			0	20
			0	83
130+0 916.0	917.5			
			0	25
			0	85
129+0 916.3	917.65			
			0	21
			0	87
128+0 916.5	917.8			
			0	26
			0	85
127+0 916.6	917.95			
			0	20
TOTALS			0	751

FINAL SURVEY — DIRECTED / COMPUTED / TEMPLATE / NOTE BOOK / SHEET / NO. / ISSUED / CHECKED

DATE: June Dec. 19--

BY: McMullen B.R. C.C.S. K.F.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	42	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	91
146+0 914.0	0	24		
			0	111
145+0 913.9	0	36		
			0	111
144+0 914.2	0	24		
			0	96
143+0 914.2	0	28		
			0	98
142+0 914.3	0	25		
			0	94
141+0 914.4	0	26		
			0	80
140+0 914.8	0	17		
			0	68
139+0 915.0	0	20		
			0	85
138+0 915.2	0	26		
			0	89
137+0 915.4	0	22		
TOTALS			0	923

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
156+0 912.6			0	87
	0	25		
155+0 912.7			0	85
	0	21		
154+0 913.1			0	83
	0	24		
153+0 913.1			0	87
	0	23		
152+0 913.2			0	76
	0	18		
151+0 913.5			0	80
	0	25		
150+0 913.2			0	87
	0	22		
149+0 913.4			0	78
	0	20		
148+0 913.5			0	80
	0	23		
147+0 913.6			0	89
	0	25		
TOTALS			0	832

PLATE 3 - CROSS SECTION O.E.P. & M.E. DIVISION
CENTRAL STEAM CO. NEW YORK

FINAL SURVEY — NOTE BOOK — NO. — DATE — PLOTTED — CHECKED — LINES CHECKED

Mc Mullen F.O. Wis. Gen. Ref.

June

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1062	43	89

DIVISION JOB NO. 8331

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — SHEET — SHEETS CHECKED

ORIGINAL SURVEY — SURVEYED — PLOTTED — TEMPLATE — NOTE BOOK — SHEET — SHEETS CHECKED

BY: M. Fuller, G.R., I.C.S., K.F. — DATE: June

STA.	EL.	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
	913.9			0	83
166+0	911.7	0	23		
	913.0			0	78
165+0	911.8	0	19		
	913.1			0	87
164+0	911.9	0	28		
	913.2			0	100
163+0	912.3	0	26		
	913.3			0	89
162+0	912.0	0	22		
	913.4			0	89
161+0	912.2	0	26		
	913.5			0	100
160+0	912.3	0	28		
	913.6			0	109
159+0	912.3	0	31		
	913.7			0	107
158+0	913.0	0	27		
	913.8			0	91
157+0	912.6	0	22		
TOTALS		0	933		

STA.	EL.	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
	911.9			0	98
176+0	910.8	0	22		
	912.0			0	83
175+0	910.7	0	23		
	912.1			0	83
174+0	910.6	0	22		
	912.2			0	104
173+0	910.7	0	34		
	912.3			0	104
172+0	911.0	0	22		
	912.4			0	78
171+0	911.1	0	20		
	912.5			0	74
170+0	910.8	0	20		
	912.6			0	78
169+0	910.6	0	22		
	912.7			0	72
168+0	911.2	0	17		
	912.8			0	72
167+0	911.5	0	22		
TOTALS		0	846		

PLATE 2 - CROSS SECTIONS OF P.R.R. & R.C. STANDARD RURAL SECTION (2 LANE)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	44	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	96
186+0	908.2	0	35	
			0	126
185+0	908.4	0	33	
			0	109
184+0	909.7	0	26	
			0	107
183+0	910.6	0	32	
			0	117
182+0	909.5	0	31	
			0	117
181+0	910.2	0	32	
			0	115
180+0	909.7	0	30	
			0	126
179+0	910.3	0	38	
			0	122
178+0	909.5	0	28	
			0	109
177+0	910.6	0	31	
			0	1144

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	106
193+0	908.3	0	33	
			0	108
192+07	909.2	0	30	
			0	17
192+0	909.8	0	63	
			0	38
191+77	908.1	0	26	
			0	6
191+70	908.8	0	27	
			0	72
191+0	908.3	0	29	
			0	91
190+0	908.6	0	20	
			0	61
189+0	908.7	0	13	
			0	41
188+0	908.8	0	9	
			0	48
187+0	909.1	0	17	
			0	583

911.9 911.0 911.1 911.2 911.3 911.4 911.5 911.6 911.7 911.8

911.7 911.98 912.0 911.93 911.9 911.7 911.4 911.1 910.8 910.8

FINAL SURVEY — SURVEYED BY: DATE: NOTE BOOK: SHEETS: NO. SHEETS UNTYPED

ORIGINAL SURVEY — SURVEYED BY: DATE: NOTE BOOK: SHEETS: NO. SHEETS UNTYPED

H.E. Mullen June
E.R.S.
E.C.S.
E.G.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	45	89

DIVISION JOB NO. 8331

FINAL SURVEY — SURVEYED: PLOTTED: COMPUTED: NOTE BOOK: LEVEL: AREAS CHECKED: NO.

ORIGINAL SURVEY — SURVEYED: June PLOTTED: COMPUTED: Jan. 28 NOTE BOOK: LEVEL: AREAS CHECKED:

M. Mullen
R.O.G.
L. Mc.S.
Z.S.
E.G.

		END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
910.8	203+0 909.4	0	11		
				0	52
910.7	202+0 908.7	0	21		
				0	59
910.6	201+0 909.0	0	21		
				0	78
910.5	200+0 908.8	0	12		
				0	61
910.4	199+0 909.0	0	13		
				0	46
910.3	198+0 908.9	0	17		
				0	56
910.5	197+0 908.7	0	6		
				0	43
910.8	196+0 908.5	0	21		
				0	50
911.1	195+0 908.2	0	28		
				0	91
911.4	194+0 908.7	0	24		
				0	96
	TOTALS	0	632		

		END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
912.4	213+0 912.5				
				78	76
912.0	212+0 912.0	16	24		
				70	76
911.6	211+0 911.3	22	17		
				65	59
911.5	210+0 910.9	13	15		
				46	67
911.4	209+0 910.5	12	21		
				35	93
911.3	208+0 910.2	7	29		
				0	78
911.2	207+0 910.1	0	13		
				0	48
911.1	206+0 910.0	0	13		
				0	56
911.0	205+0 909.8	0	17		
				0	70
910.9	204+0 909.4	0	21		
				0	70
	TOTALS	0	17		
		294	693		

Cut Starts Sta. 209+0

PLATE 3 - CROSS SECTION OF PROPOSED

FED. ROAD DIST. NO.	STATE	I.M. 94-1(29)8 PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	48	89

DIVISION JOB NO. 8331

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
223+0				
916.7			59	17
	18	7		
222+0				
917.0			35	35
	1	12		
221+0				
916.6			15	33
	7	6		
220+0				
916.2			37	30
	13	10		
219+0				
915.5			56	46
	17	15		
218+0				
914.2			82	72
	27	24		
217+0				
913.3			104	76
	29	17		
216+0				
913.4			107	63
	29	17		
215+0				
912.9			94	57
	22	14		
214+0				
912.5			89	57
	26	17		
TOTALS			678	486

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
226+30				
923.4			13	6
	19	10		
226+0				
922.0			28	9
	31	6		
225+82				
921.5			18	2
	23	0		
225+80				
920.2			2	0
	19	16		
225+0				
920.7			57	46
	20	15		
224+60				
920.6			32	22
	22	14		
224+50				
918.6			6	6
	12	20		
224+0				
918.6			18	26
	7	7		
223+85				
920.0			7	4
	20	4		
TOTALS			181	121

919.0 · 918.1 · 917.2 · 916.3 · 915.4 · 914.5 · 914.0 · 913.6 · 913.2 · 912.8

922.6 · 922.0 · 921.7 · 921.7 · 920.8 · 920.44 · 920.35 · 919.9 · 919.76

Sta. 225+82 Fill = 0

PLATE 5A CROSS SECTIONS

FINAL SURVEY — PLOTTED, CHECKED, TEMPLATE, AREAS CHECKED, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO.

DATE: June 27, Dec. 47

M. Mullen, E.A.

GR. 476

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	47	89

DIVISION JOB NO. 8331

FINAL SURVEY NOTE BOOK NO. [illegible]

ORIGINAL SURVEY NOTE BOOK NO. [illegible]

END	AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			789	43
227+55				
930.1				
	926.4			
			400	21
227+40				
930.5				
			139	11
	925.8			
			102	19
Sta. 227+20 Fill=0				
227+15				
928.4			67	7
	925.0			
			42	0
227+00				
927.6			20	0
	924.5			
			28	0
226+75				
9300				
			37	0
	923.8			
			51	0
Sta. 226+75 Fill=0				
226+45				
925.6			44	4
	923.0			
			28	7
			TOTALS 1096	65

PLATE 1 - CROSS SECTION OF [illegible]

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	48	89

DIVISION JOB NO. 8331

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			1676	80
228+50				
936.0				
930.7			883	54
			626	43
228+30				
933.8				
929.8			809	60
			524	33
228+10				
932.5				
928.7			606	31
			213	11
228+00				
931.9				
928.3			547	30
			TOTALS	3039 167

FINAL SURVEY
NOTE BOOK
NO.
PLOTTED
COMPILED
AREAS
AREAS CHECKED

RE-PLOTTED FOR FINAL E.P.C.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	49	89

DIVISION JOB NO. 8331

FINAL SURVEY — COMPUTED / CHECKED / NOTE BOOK / PAGE NO. / FIELD NUMBER

ORIGINAL SURVEY — COMPUTED / CHECKED / NOTE BOOK / PAGE NO. / FIELD NUMBER

McFullen 1-12

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
938.37				
2229+75				
944.9			137	30
			182	32
936.75				
2229+50				
942.2			174	32
			194	37
934.8				
2229+20				
939.9			176	37
			122	28
933.5				
2229+00				
937.7			389	22
			926	32
TOTALS			876	121

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406F	30	89

DIVISION JOB NO. 8831

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			13	7
231+00 943.7				
946.5			45	20
			39	24
230+75 946.9				
944.88			41	31
			48	32
230+50 948.4				
943.25			64	36
			70	52
230+15 945.6				
940.98			45	44
			44	20
230+00 946.3				
940.0			113	32
			TOTALS 214	135

M. Mullen
C.E.C.
L. Peg.

ORIGINAL SURVEY NOTE BOOK NO.

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	51	89

DIVISION JOB NO. 8331

FINAL SURVEY NOTE BOOK NO. [illegible]

McMullen 9/14 20
R.L.R.
C.L.K.
B.S.C.

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
232+60				
962.0			61	39
956.5				
			38	32
232+00				
955.5			57	82
952.8				
			14	42
231+75				
955.8			22	37
951.37				
			33	40
231+50				
953.2			41	37
949.75				
			53	40
			35	30
231+25				
944.5			23	25
948.12				
			15	13
231+10				
941.0			27	23
947.15				
TOTALS			231	238

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4.066E	32	89

DIVISION JOB NO. 9331

FINAL SURVEY NOTE BOOK NO. — DATE — SURVEYED — DRAWN — TRACED — CHECKED

ORIGINAL — DRAWN — TRACED — CHECKED — QUANTITIES — NOTE BOOK — PAGE NO.

Mc Mullen Sec 6 T 8 R 8E

		END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
						33	122
235+00	968.3						
	969.5	10	31				
						28	41
234+50	965.8						
	967.0	21	14				
						15	9
234+30	962.4						
	965.7	18	13				
						20	20
234+00	965.2						
	964.3	17	24				
						50	33
233+50	964.6						
	961.6	37	12				
233+00	964.3						
						74	30
	958.7	44	20				
				TOTALS		220	255

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	53	89

DIVISION JOB NO. 9331

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — COMPUTED — CHECKED — SHEET CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — COMPUTED — CHECKED — SHEET CHECKED

H.E.R. Fuller, H.E.C., K.E.C.

	END AREA YARDAGE CUT	FILL	CUT	FILL
239+35 988.5			133	41
986.3			62	25
239+0 985.4			56	30
985.5			23	20
238+60 982.8			18	30
984.7			1	20
238+0 980.9			2	59
983.0			1	33
237+50 979.2			0	46
981.5			0	18
Sta. 237+50 Cut = 0				
237+0 979.0			20	6
979.4			18	22
236+80 979.0			40	11
978.5			22	6
236+50 975.8			16	19
977.0			32	17
236+0 973.1			8	35
974.5			22	50
TOTALS			303	301

	END AREA YARDAGE CUT	FILL	CUT	FILL
246A+0 974.4			7	11
978.0			6	17
245A+70 975.3			7	24
978.75			7	25
245A+0 977.9			41	63
980.5			25	24
244+0 981.6			87	70
983.0			22	14
243+0 983.5			72	37
985.2			17	6
242+0 986.0			87	11
987.0			30	0
Sta. 242+0 Fill = 0				
241+0 986.5			119	6
987.7			34	3
240+45 988.2			87	11
987.5			51	8
240+0 991.4			122	20
987.1			96	16
239+80 991.1			72	15
987.0			97	24
TOTALS			701	368

PLATE 5 - CROSS SECTION & EARTHWORK

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	54	89

DIVISION JOB NO. 8331

FINAL SURVEY — NOTE BOOK — NO — UPDATED — PLOTTED — COMPUTED — FIELD CHECKED

McMillen Bridge & Eng. Co. Ft. Wayne Ind.

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
966.1 — 250A+50 959.8	12	125	32	143
966.6 — 250A+20 963.6	7	100	11	124
967.1 — 250A+0 967.2	24	53	11	57
968.37 — 249A+50 968.9	23	76	44	120
969.75 — 249A+0 970.0	25	43	44	111
971.40 — 248A+40 970.1	19	26	48	76
972.50 — 248A+0 970.9	17	25	26	37
975.25 — 247+0 973.7	24	7	76	59
977.17 — 246+30 974.1	8	4	41	15
Totals			333	742

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
967.4 — 255A+0 961.0	53	9	56	17
967.72 — 254A+60 962.5	85	2	102	7
963.2 — 254A+0 962.4	42	9	141	13
963.68 — 253A+40 961.6	9	28	57	41
964.0 — 253A+0 963.2	17	29	19	43
964.64 — 252A+20 964.0	33	4	74	48
964.8 — 252A+0 964.3	35	5	70	4
965.04 — 251A+70 965.0	46	9	39	7
965.2 — 251A+50 965.1	48	14	35	9
965.6 — 251A+0 961.1	22	30	65	41
Totals			608	230

PLATE 2 - CROSS SECTION OF EARTH FILL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	56	59

DIVISION JOB NO. 833F

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	28
258+75 951.0	0	46		
			2	28
258+60 952.5	5	52		
			17	54
258+30 954.6	24	43		
			54	48
258+0 956.8	72	44		
			157	65
257A+50 960.6	97	27		
			204	30
257A+0 961.7	123	4		
			182	9
256A+50 960.4	73	6		
			120	11
256A+0 961.2	58	6		
			111	28
255A+35 960.8	32	17		
TOTALS	848	299		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
261A+20 954.9			35	37
			20	20
261A+0 953.2			7	35
			2	49
260A+60 952.6			0	109
			0	146
260A+50 948.2	0	68		
			0	90
260A+0 942.6			0	107
			0	200
259A+80 938.0			0	161
			0	235
259A+60 937.5			0	307
			0	240
259A+25 937.5			0	144
			0	72
259A+0 943.3	0	72		
			0	22
258A+90 946.9	0	50		
TOTALS	42	1068		

Sta. 258+75 Cut=0

Sta. 260A+60 Cut=0

954.15 953.9 954.6 953.5 955.5 952.6 956.4 957.3 957.9 952.3 952.5 959.35 952.9 960.6 953.45 961.5 953.7 962.12

PLATE 2 CROSS SECTIONS OF P.R. & N.L. CHANNEL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	56	89

DIVISION I.H.D. NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
264A+0 953.1			211	32
951.0				
	78	4		
263A+0 955.3			311	11
954.2				
	90	2		
			104	2
262A+75 955.5				
954.5				
	133	1		
Sta. 262A+45 Fill=0				
262A+45 958.0			172	0
954.8				
	176	0		
262A+20 959.2			163	0
954.9				
	176	1		
			106	2
262A+0 955.4				
954.9				
	111	2		
			30	0
261A+90 955.0				
954.9				
	51	2		
			11	0
261A+85 954.6				
954.8				
	69	3		
			57	9
261A+55 955.8				
954.6				
	35	14		
TOTALS	1165	56		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			165	96
273A+0 923.2				
921.8				
	111	0		
Sta. 272A+30 Fill=0				
272A+0 922.3			291	4
922.4				
	46	7		
271A+0 922.6			144	33
923.2				
	32	11		
			98	85
270A+0 924.0				
925.3				
	21	35		
			59	109
269+0 927.2				
928.3				
	11	24		
			67	76
268+0 930.9				
931.5				
	25	17		
			70	111
267A+0 935.6				
936.0				
	13	43		
			28	204
266A+0 938.3				
941.0				
	2	67		
			70	148
265A+0 945.5				
946.0				
	36	13		
TOTALS	992	866		

FINAL SURVEY — SURVEYED 19 — COMPLETED 19 — NOTE BOOK — PAGES

No. 70 Iron Pipe Reg. Land Surveyor

PLATE 2—CROSS SECTION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	57	89

DIVISION JOB NO. 8331

FINAL SURVEY — ORIGINAL SURVEYED, PLOTTED, NOTE BOOK, NO., DATE, ITEMS, SHEETS CHECKED

McMullen Assoc. Inc.

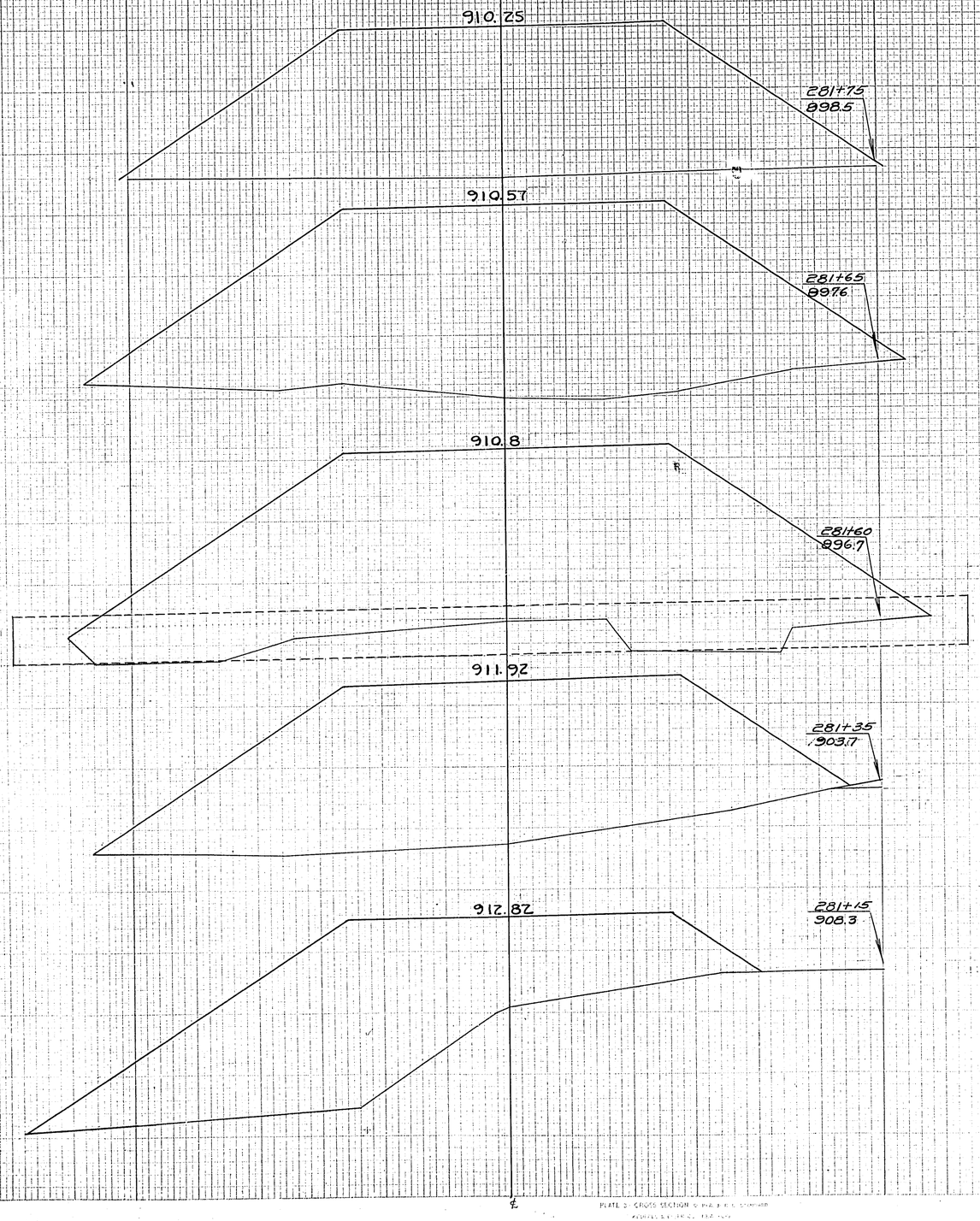
END AREA YARDAGE			
CUT	FILL	CUT	FILL
		277A+65 928.0	
		924.4	
		663	0
		373	0
		277A+20 926.1	
		924.2	
		480	0
		202	0
		277A+0 925.6	
		924.0	
		106	0
		82	0
		922.7	
		Sta. 276+90 Fill=0	
		Sta. 276+80 Cut=0	
		276A+35 915.6	
		922.3	
		30	231
		0	228
		276A+15 912.1	
		922.0	
		0	228
		0	385
		276A+0 911.8	
		921.7	
		0	219
		0	400
		275A+80 912.8	
		921.4	
		0	280
		0	353
		275A+55 916.5	
		920.9	
		0	244
		0	177
		275.0 916.5	
		921.2	
		0	315
		0	133
		274+0 917.5	
		Sta. 273+80 Cut=0	
		Sta. 273+50 Fill=0	
		0	441
		0	105
		TOTALS	1279 1958

END AREA YARDAGE			
CUT	FILL	CUT	FILL
		913.5	
		281A+0 909.7	
0	193		
		0	235
		915.3	
		280+60 911.5	
0	125		
		0	309
		918.0	
		280A+0 913.6	
0	148		
		0	122
		919.12	
		279A+75 916.3	
0	119		
		2	54
		Sta. 279A+75 Cut=0	
		279A+60 919.2	
		919.8	
4	75		
		415	15
		Sta. 279A+50 Fill=0	
		279A+0 925.4	
		922.3	
370	0		
		524	0
		278+70 927.8	
575	0		
		923.1	
		1137	0
		278+25 931.8	
789	0		
		667	0
		924.0	
		278+0 931.7	
650	0		
		415	15
TOTALS		2745	900

PLATE 3-CROSS SECTIONS OF PARCEL 1 TRUNK
ASSESS. & LEVEL TO RELO. VIEW

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	106E	38	89

DIVISION JOB NO. 8933.1



END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
		0	280
0	530		
		0	230
0	711		
		0	137
0	760		
		0	609
0	556		
		0	363
0	473		
TOTALS		0	1619

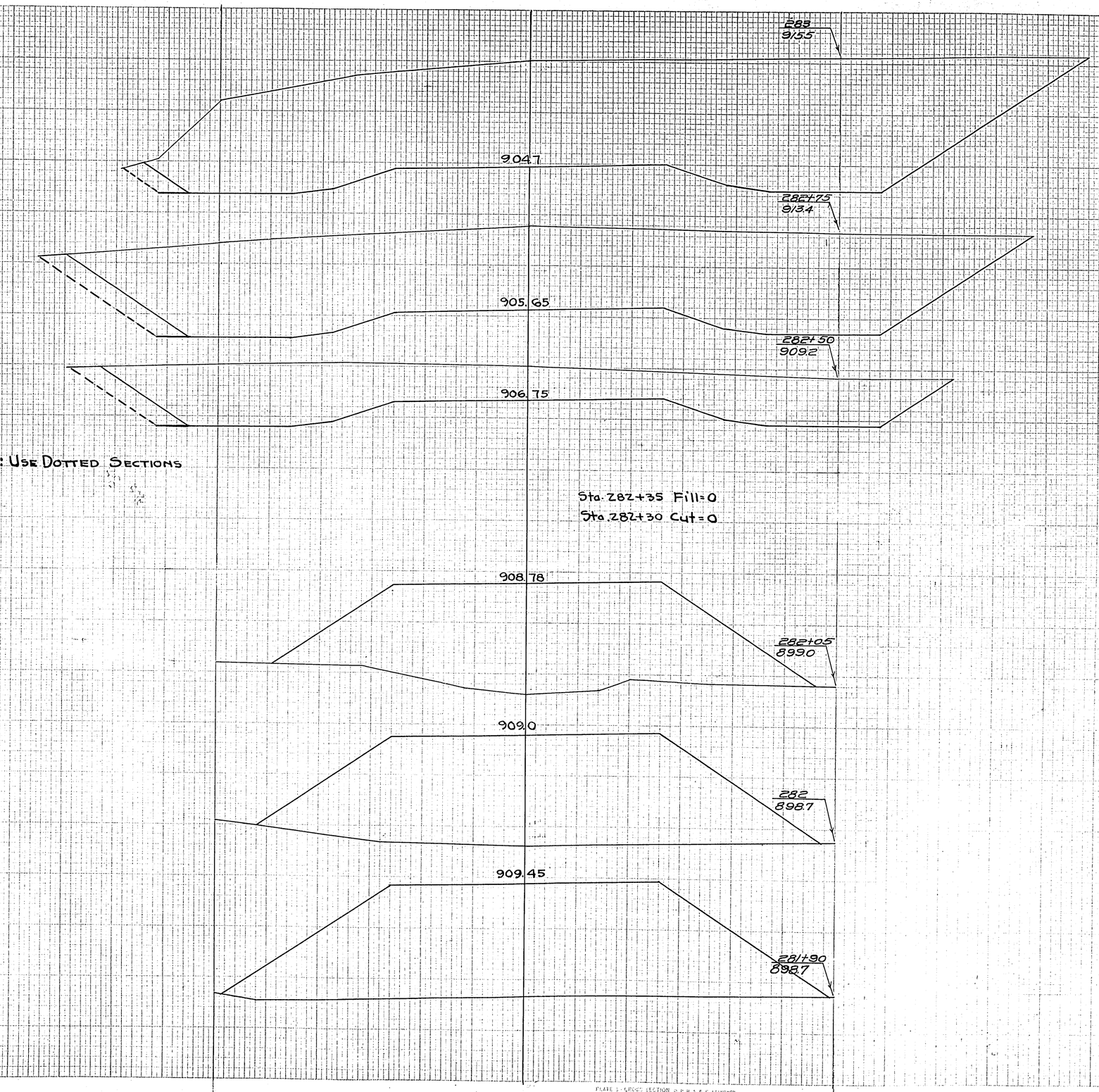
FINAL SURVEY
DATE
NOTE BOOK
NO.
AREA CHECKED

McMillen
SEE
ESC

PLATE 3 - CROSS SECTION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	39	89

DIVISION JOB NO. 3331



NOTE: USE DOTTED SECTIONS

Sta. 282+35 Fill=0
Sta. 282+30 Cut=0

END AREA YARDAGE

Cut	Fill	Cut	Fill
		151	0
850	0		
		122	0
710	0		
		476	0
320	0		
		119	215
0	388		
		0	78
0	444		
		0	170
0	477		
TOTALS		2074	463

PLATE 1 - CROSS SECTION OF P.H.B.R.F. STANDARD
PEORIA SEWER CO. NEW YORK

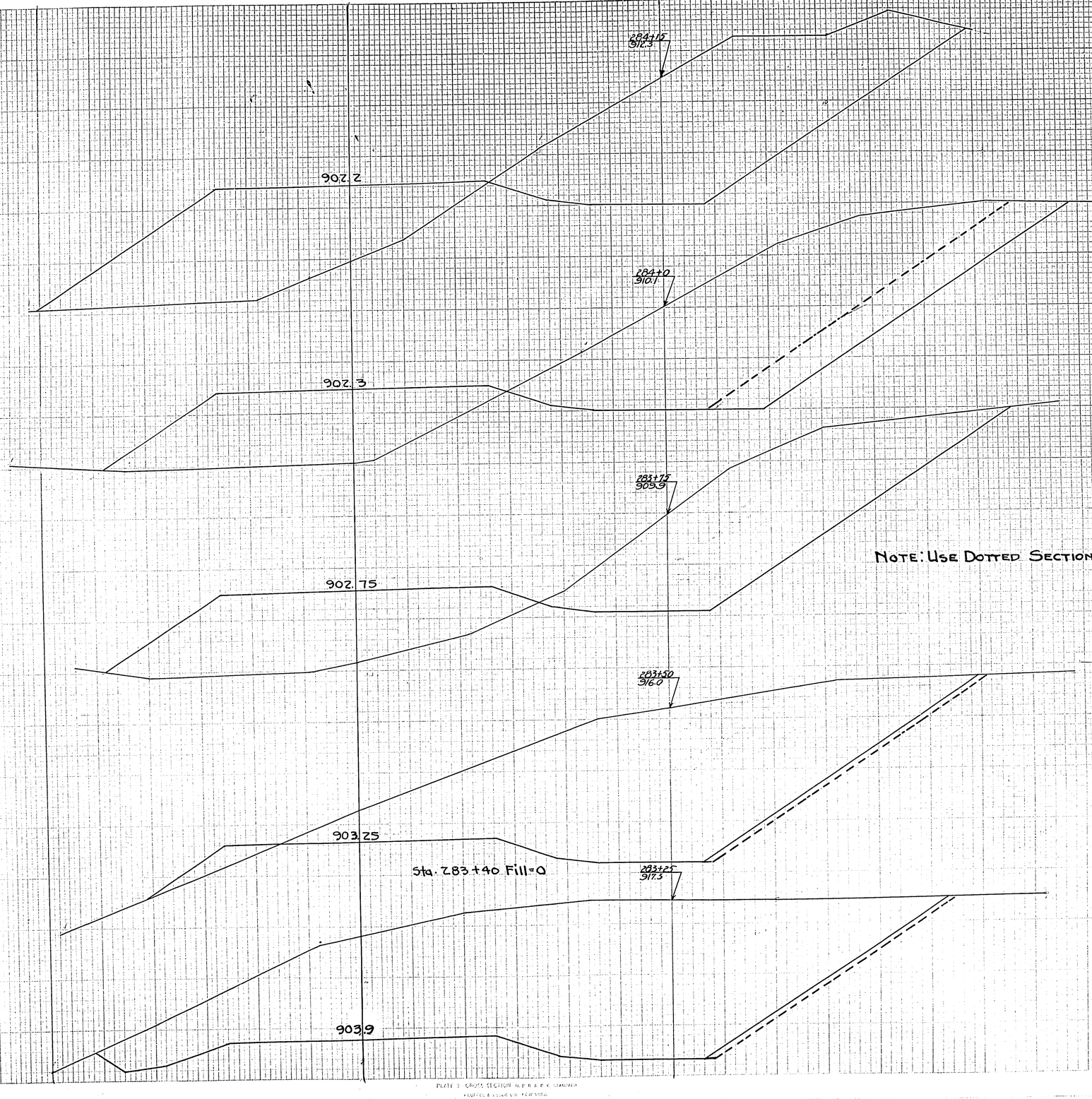
FINAL SURVEY — NOTE BOOK — NO. — SHEETED — PLOTTED — TRACED — CHECKED — LETTERED — REVISED

ORIGINAL SURVEY — NOTE BOOK — NO. — SHEETED — PLOTTED — TRACED — CHECKED — LETTERED — REVISED

M.A. Mullen
R.P. Reg.
C.E.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	60	89

DIVISION JOB NO. 8331



NOTE: USE DOTTED SECTIONS

END AREA		YARDAGE	
CUT	FILL	CUT	FILL
		330	337
387	278		
		237	132
465	198		
		365	194
323	223		
		409	109
562	14		
		624	7
186	0		
TOTALS		1965	774

FINAL SURVEY NOTE BOOK NO. — LEVELS, LIMITED, TAPE, ANGLES, TIES, CHECKED

M. Müller 8-8-63

PLATE 3 CROSS SECTION G.P.R.A.B.C. STANDARD
PROFILE & CROSS SECTIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1066E	61	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
285A+80 893.9	0	312		
			0	209
				291
285A+60 893.6	0	211		
			0	198
285A+20 894.9	0	146		
			0	118
285A+0 896.9	0	175		
			0	202
284A+70 897.3	0	187		
			22	159
284A+50 904.0	121	242		
284A+15 912.4				
284A+0 910.2				
TOTALS			22	1177

Sta. 284A+60 Cut=0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
288+30 894.9				
			0	417
			0	290
288+20 892.9	0	345		
			0	118
288+15 890.1	0	516		
			0	80
287+55 890.0	0	535		
			0	77
287+50 895.5	0	251		
			0	552
287+0 895.6	0	218		
			0	369
286A+50 893.2	0	180		
			0	183
286A+30 893.5	0	315		
			0	317
286A+0 893.7	0	255		
TOTALS			0	2108

Bridge Sta. 287+55 to Sta. 288+15 No Fill

902.0

FINAL SURVEY NOTE BOOK

DATE | SURVEYED | PLOTTED | REVISED | NOTE BOOK | PAGES | CHECKED | NO.

MR. FULLER 1966 DEC. 22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	WISC.	406E	62	89

DIVISION JOB NO. 8331

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
292+0 909.3				
907.0	478	0		
			158	0
291+0 908.2				
904.0	578	0		
			154	0
290+70 908.4				
903.25	200	0		
			205	0
Sta. 290+70 Fill=0				
	215	13		
290+35 905.9				
902.6	126	20		
			59	48
Sta. 290+10 Cut=0				
902.2				
290+0 899.5	0	55		
			0	220
289+55 894.1	0	210		
902.0				
			0	483
289+0 894.3	0	265		
902.0				
			0	187
288+80 894.9	0	241		
902.0				
			0	165
288+65 893.0	0	352		
TOTALS	1530	1116		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
298+80 920.3				
919.1			18	37
	25	41		
			44	65
298+35 919.6				
918.2				
	29	38		
			32	52
298+0 917.8				
917.5				
	20	41		
			87	133
297+0 914.9				
915.55				
	27	31		
			83	113
296+0 913.2				
914.55				
	18	30		
			52	109
295+0 912.7				
914.4				
	10	29		
			130	72
294+0 913.1				
912.9				
	60	4		
			165	4
293+50 913.7				
911.5				
	117	0		
Sta. 293+50 Fill=0.				
			200	0
293+0 911.8				
910.0				
	100	0		
TOTALS	811	585		

PLATE 5-CROSS SECTION OF P.E.S. & R.R. SEPARATION

FINAL SURVEY — NOTE BOOK — PAGE

ORIG. DR. — SURVEY — NOTE BOOK — NO.

M. E. Miller B.H. A.S.C.E. A.E.C.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	63	89

DIVISION JOB NO. 8331

	END CUT	END FILL	YARDAGE CUT	YARDAGE FILL
926.8 — 305+0 925.0	28	25		
			93	111
			130	57
926.0 — 304+0 925.8	42	6		
			89	106
925.2 — 303+0 922.6	6	51		
			20	163
924.4 — 302+0 922.2	5	37		
			11	32
924.16 — 301+70 923.4	16	18		
301+0 927.2			141	26
923.3	93	2		
			148	2
300+60 926.5				
922.6	107	0		
			113	9
Sta. 300+60 Fill=0				
300+0 923.4	46	8		
921.5			130	130
299+0 920.6				
919.5	24	62		
TOTALS	875	636		

	END CUT	END FILL	YARDAGE CUT	YARDAGE FILL
			100	107
941.3 — 312+0 940.2	37	4		
			270	15
311+0 939.3 — 939.5	109	4		
			137	7
310+60 938.3 — 938.45	77	5		
			115	32
310+0 936.6 — 936.8	27	23		
			70	118
309+0 933.1 — 934.0	11	41		
			54	132
308+0 930.2 — 931.2	18	30		
			89	111
307+0 928.1 — 928.8	33	30		
			102	120
306+0 926.4 — 927.6	22	35		
TOTALS	937	642		

PLATE 3 — CROSS SECTION — U. S. B. P. R. STANDARD
HEITKE & KELLER CO. NEW YORK

FINAL SURVEY — ORIGINAL SURVEYED — PLOTTED — NOTE BOOK — NO. — DATE — LINES CHECKED

McMullen Best Eck

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4066	E4	89

DIVISION JOB NO. 8331

		END AREA YARDAGE			
		CUT	FILL	CUT	FILL
948.1	316+0 945.9			133	126
		23	32		
947.33	315+55 946.7			43	33
		28	8		
947.16	315+45 945.9			11	4
		30	9		
946.74	315+20 945.8			32	13
		37	20		
946.4	315+0 945.5			18	15
		12	20		
945.97	314+75 945.6			13	24
		15	34		
945.55	314+50 944.4			15	39
		15	50		
944.7	314+0 942.3			22	104
		9	62		
943.0	313+0 940.6			48	215
		17	54		
	TOTALS	335	573		

		END AREA YARDAGE			
		CUT	FILL	CUT	FILL
969.6	323+0 969.0			65	154
		31	21		
				124	78
966.5	322+0 966.2				
		36	21		
963.0	321+0 962.9			118	91
		28	28		
962.3	320+80 962.8			24	18
		35	24		
961.77	320+65 962.0			30	11
		31	18		
959.5	320+0 959.4			80	37
		35	13		
956.0	319+0 955.6			122	72
		31	26		
952.6	318+0 951.8			144	106
		47	31		
949.9	317+0 949.0			178	124
		49	36		
	TOTALS	885	691		

FINAL SURVEY — NOTE BOOK — NO. — PLOTTED — TRACED — CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — PLOTTED — TRACED — CHECKED — DATE

Traced
Sept 15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	65	89

DIVISION JOB NO. 8331

FINAL SURVEY — SUPPLIED BY CO. HIGHWAY DEPT. — NOTE BOOK NO. — AREAS — LEVELS — CALCULATED

ORIGINAL SURVEY — SUPPLIED BY CO. HIGHWAY DEPT. — NOTE BOOK NO. — LEVELS — CALCULATED

BY — DATE — HC Fuller 6-4 4 Lines 1-2-3.

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			156	57
331+0 998.0	57	2		
996.5			376	2
330+0 999.3				
Sta. 330+50 Fill=0	146	0		
996.6			573	0
329+30 999.6				
	295	0		
995.5			320	0
329+0 998.4				
994.8	282	0		
990.5 Sta. 328+50 Fill=0			561	57
328+0 988.0				
	24	62		
			46	311
985.5 327+0 982.3				
	1	106		
			6	385
980.5 326+0 978.0				
	2	102		
			15	324
975.9 325+0 974.1	6	73		
			18	250
972.6 324+0 970.3	4	62		
TOTALS	2077	1386		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			59	54
336+50 979.8				
979.1	45	19		
			68	41
336+0 980.5				
980.8	28	25		
			78	141
335+0 983.5				
984.2	14	51		
			43	209
334+0 986.1				
987.6	9	62		
			59	161
333+0 990.3				
991.0	23	25		
			7	9
332+90 990.7				
991.34	20	26		
			11	14
332+75 991.4				
991.85	23	25		
			70	75
332+0 994.8				
994.4	27	29		
TOTALS	395	704		

PLEASE CHECK STATE PLANE & R.C. STANDARD
ADJUSTED OVER CO. FIX POINTS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4065	66	89

DIVISION JOB NO. 8331

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
343+0			150	54
966.6	40	25		
342+0			130	104
967.3	30	31		
341+0			96	122
968.6	22	35		
340+0			94	111
969.8	29	25		
339+0			100	98
971.4	25	28		
338+30			74	41
973.4	32	14		
338+20			13	4
974.0	41	9		
338+0			22	7
973.6	20	11		
337+0			68	93
976.5	19	39		
TOTALS			747	634

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
351+0			76	107
960.2	18	31		
350+0			109	87
962.2	41	13		
349+0			70	70
962.0	24	25		
348+0			80	107
962.8	19	33		
347+0			91	98
963.3	30	20		
346+0			98	83
963.6	23	25		
345+66			74	78
963.3	15	20		
345+0			54	46
964.4	29	18		
344+0			130	41
965.3	41	4		
TOTALS			702	662

PLATE 2 - CROSS SECTION & EARTHWORK DIAGRAMS
KESTER & ESSER CO. MILWAUKEE

FINAL SURVEY NOTE BOOK NO. — CORRECTED — LETTERED — TRACED — CHECKED

M. Miller 8/8 6-13-57

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	4065	67	89

DIVISION JOB NO. 8331

FINAL SURVEY — NOTED / PLOTTED / COMPUTED / CHECKED / AREAS CHECKED / NOTE BOOK / NO.

ORIGINAL SURVEY — DATE / R.E. Hullen / 8-25-65 / T.G.S.

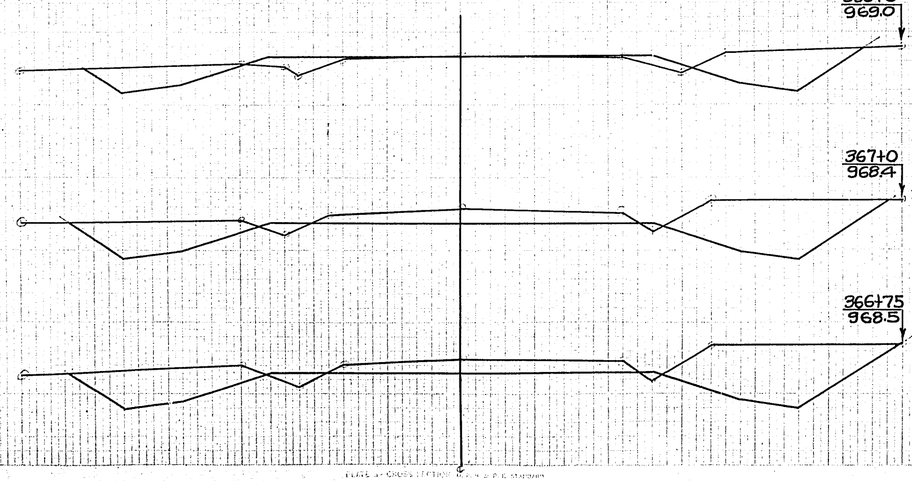
Station	Elevation	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
				154	20
359+0	969.6	37	6		
	968.8			220	11
358+0	969.8	82	0		
	968.5				
Sta. 358+0 Fill=0				208	59
357+0	966.1	30	32		
	966.5			70	152
356+0	961.7	8	50		
	964.0			30	182
355+0	960.1	8	48		
	961.8			30	102
354+25	959.0	13	25		
	960.8			15	22
354+0	959.7	20	22		
	960.7			94	72
353+0	959.5	31	17		
	960.7			100	87
352+0	959.7	23	27		
TOTALS		321	702		

Station	Elevation	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
				163	26
366+0	965.4	33	16		
	965.0			94	93
365+0	962.7	18	34		
	963.2			24	128
364+30	960.6	1	64		
	962.8			0	78
364+0	960.9	1	76		
	963.0			57	202
363+0	964.0	30	33		
	964.2			67	33
362+55	965.6	51	7		
	964.74			70	39
362+0	965.7	18	32		
	965.4			54	150
361+0	966.0	11	49		
	966.6			106	100
360+0	968.6	46	5		
	967.8				
TOTALS		635	849		

PLATE 3 - CROSS SECTION OF PRIMARY STANDARD

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	406E	68	

DIVISION JOB NO. 8331



END	AREA		YARDAGE	
	CUT	FILL	CUT	FILL
368+10	40	4		
			204	13
367+10	70	3		
			72	3
366+75	85	3		
Totals			276	16