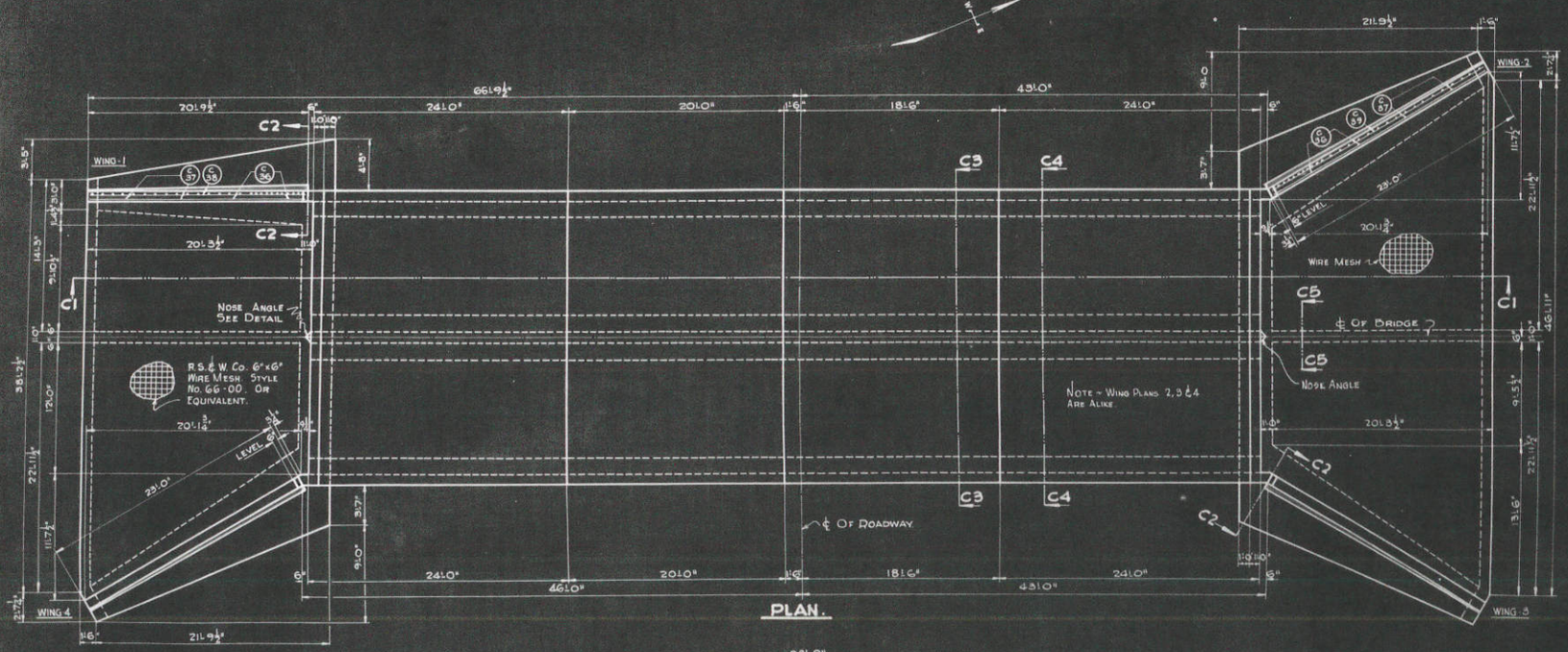
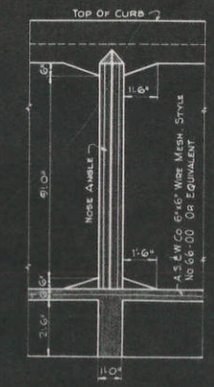
FED. ROAD DIST. NO.	STATE	F.E.D. PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	397-A(2)	26	193

DIVISION JOB NO. 5713



PLAN.



SECTION C5-C5.

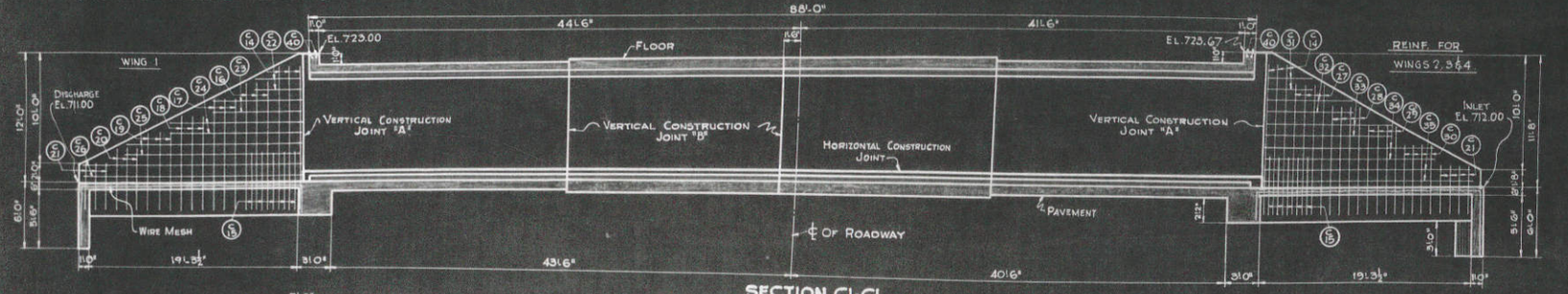
1" x 3/8" x 1'-0" ANCHORS. WELD TO ANGLE. PLACE 1 SET 6" FROM EACH END OF ANGLE AND 2 ADDITIONAL SETS EQUALLY SPACED BETWEEN END SETS.

6" x 6" x 3/8" PROTECTION ANGLE 10'-0" LONG. 2 REQ. COMPLETE

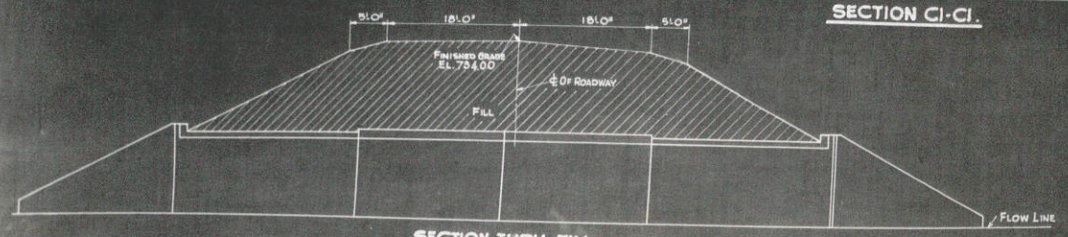
7/16" ϕ HOLES FOR BOLTING ANGLE TO FORMS. PUNCH ONE SET OF HOLES 3" FROM EACH END AND 3 ADDITIONAL SETS EQUALLY SPACED BETWEEN END SETS.

NOTE ~ PAINT BOTH FACES OF ANGLE WITH RED LEAD. THE OUTSIDE FACES SHALL RECEIVE TWO ADDITIONAL COATS OF FIELD PAINT. SEE "SPECIFICATIONS".

NOSE ANGLE DETAILS.



SECTION C1-C1.



SECTION THRU FILL

ESTIMATED QUANTITIES.

BID ITEMS

EXCAVATION FOR STRUCTURES	530	C.Y.
CONCRETE MASONRY	416.0	C.Y.
BAR STEEL REINFORCEMENT	42,440	LB.
STEEL FABRIC REINFORCEMENT	220	S.Y.
STRUCTURAL STEEL	320	LB.
WATERPROOFING	302	S.F.
RIPRAP	40	C.Y.

NON-BID ITEMS

3/4" ϕ APPROVED SHEET METAL DOWEL SOCKETS-214 REQ.

LIST OF DRAWINGS

1-DETAILS	X 9406
2-DETAILS	X 9407

1 OF 2 STRUCTURE JOB NO. 5458

REVISED	

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS FOR

BRIDGE NO. 553

STA. 742+82.00

TOWN OF BURNS & LA CROSSE CO.

CORRECT: G. N. Kist BRIDGE ENGINEER

APPROVED: 9/18/59 E. L. Roettinger STATE HIGHWAY ENGINEER

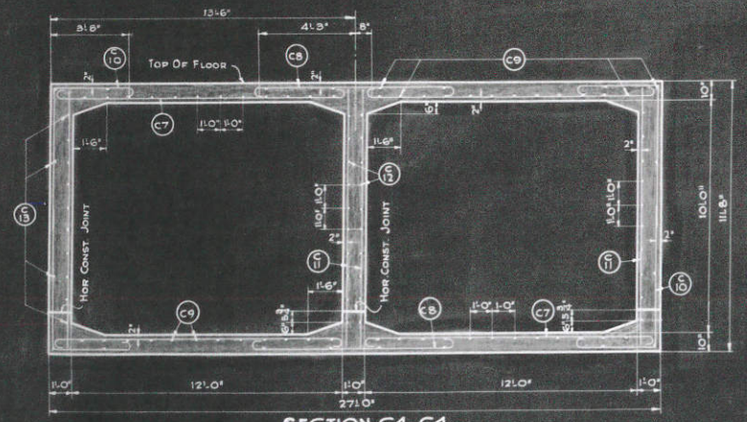
Bass Date 9/18/59 Checked C.E.M.

X 9406

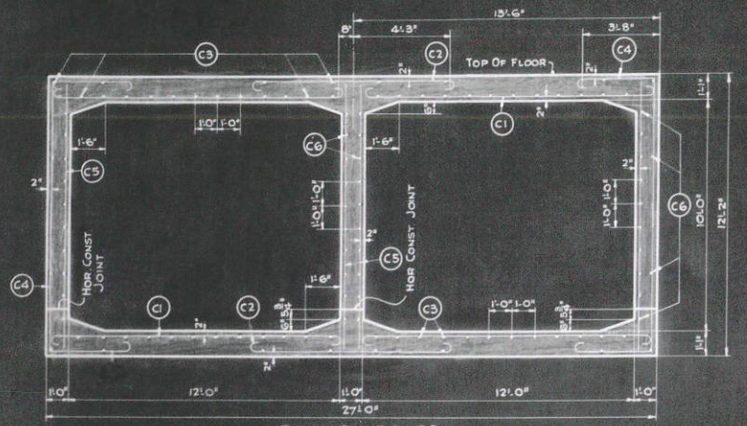
FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	397-A(2)	27	193

DIVISION JOB NO. 5715

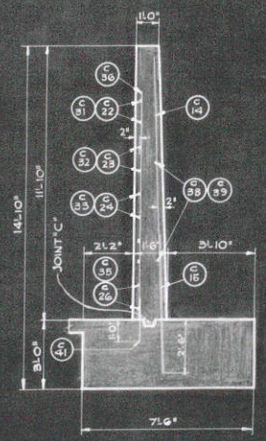
NOTE - REINFORCEMENT IN PAVEMENT SAME AS IN FLOOR.



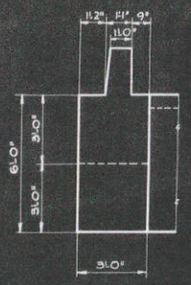
SECTION C4-C4.



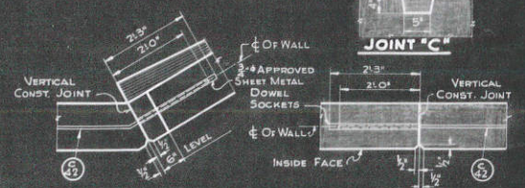
SECTION C3-C3.



SECTION C2-C2.



END VIEW OF WINGS.

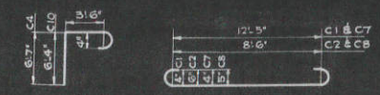


SIDES AND FLOOR OF BARREL TO BE DEVELLED AS SHOWN. PAVEMENT TO BE EDGED.

CONSTRUCTION JOINT DETAILS.

BILL OF BARS.

No.	Mark	Size	Length	Spacing	Location	Type
640	C1	1/2" ▫	13'-9"	3" Cts.	Long. In Bottom Of Floor & Pavement	B
240	C2	3/4" ⌀	10'-6"	4" Cts.	" " Top " " "	B
128	C3	1/2" ▫	19'-6"	Shown	Trans. In Floor & Pavement	
424	C4	1/2" ▫	10'-9"	4 1/2" Cts	In Corners Of Barrel	A
160	C5	1/2" ▫	11'-9"	11.0" Cts.	Vert. In Walls Of Barrel	
88	C6	1/2" ▫	19'-6"	Shown	Hor. In Walls Of Barrel	
576	C7	1/2" ▫	13'-9"	4" Cts.	Long. In Bottom Of Floor & Pavement	B
288	C8	3/4" ⌀	10'-3"	4" Cts.	" " Top " " "	B
128	C9	1/2" ▫	23'-6"	Shown	Trans. In Floor & Pavement	
416	C10	1/2" ▫	10'-6"	5 1/2" Cts	In Corners Of Barrel	A
192	C11	1/2" ▫	11'-3"	11.0" Cts	Vert. In Walls Of Barrel	
40	C12	1/2" ▫	23'-9"	11.0" Cts.	Hor. In Interior Wall Of Barrel	
48	C13	1/2" ▫	24'-3"	Shown	Hor. In Side Walls Of Barrel	
12	C14	1/2" ▫	13'-3"	11.0" Cts.	Vert. In Wings 1, 2, 3 & 4. Back Face	
20	C15	1/2" ▫	5'-0"	"	" " " " " "	
3	C16	1/2" ▫	11'-9"	"	Vert. In Wing 1 Back Face	
3	C17	1/2" ▫	10'-3"	"	" " " 1 " "	
3	C18	1/2" ▫	8'-9"	"	" " " 1 " "	
3	C19	1/2" ▫	7'-3"	"	" " " 1 " "	
3	C20	1/2" ▫	5'-9"	"	" " " 1 " "	
15	C21	1/2" ▫	4'-3"	"	" " " 1, 2, 3 & 4 "	
2	C22	1/2" ▫	4'-6"	"	Hor. In Wing 1 Front Face	
2	C23	1/2" ▫	9'-0"	"	" " " " "	
2	C24	1/2" ▫	12'-6"	"	" " " " "	
2	C25	1/2" ▫	17'-0"	"	" " " " "	
2	C26	1/2" ▫	20'-3"	"	" " " " "	
12	C27	1/2" ▫	11'-3"	"	Vert. In Wings 2, 3 & 4 Back Face	
12	C28	1/2" ▫	9'-6"	"	" " " " " "	
12	C29	1/2" ▫	7'-9"	"	" " " " " "	
12	C30	1/2" ▫	6'-0"	"	" " " " " "	
6	C31	1/2" ▫	4'-6"	"	Hor. In Wings 2, 3 & 4 Front Face	
6	C32	1/2" ▫	9'-6"	"	" " " " " "	
6	C33	1/2" ▫	14'-0"	"	" " " " " "	
6	C34	1/2" ▫	18'-6"	"	" " " " " "	
6	C35	1/2" ▫	22'-6"	"	" " " " " "	
8	C36	1/2" ⌀	10'-0"	Shown	Vert. In Wings. " "	
8	C37	1/2" ⌀	5'-0"	"	" " " " " "	
2	C38	1/2" ⌀	20'-3"	"	Hor. In Wing 1 Back Face	
6	C39	1/2" ⌀	22'-6"	"	" " " 2, 3 & 4 " "	
8	C40	1/2" ⌀	14'-6"	"	In Header Walls	
16	C41	1/2" ⌀	2'-0"	"	Dowels For C36 & C37 Bars.	
214	C42	5/8" ⌀	4'-0"	11.0" Cts	Vert. Const. Joint Dowels.	



BAR DETAILS.

GENERAL NOTES.

ALL CONCRETE MASONRY SHALL BE GRADE "A A".
DRAWINGS SHALL NOT BE SCALED.
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT DIMENSIONS APPLY ALONG ℄ OF BAR.
THE OUTER SURFACE OF SIDE WALLS, WINGS AND TOP OF FLOOR AT THE VERTICAL CONSTRUCTION JOINTS SHALL BE WATERPROOFED WITH MEMBRANE WATERPROOFING.
THE TOE OF THE FILL AT THE INLET END SHALL BE RIPRAPPED TO EL. 723.00 AND AS DIRECTED BY THE ENGINEER. THE MINIMUM THICKNESS OF THIS RIPRAP SHALL BE 10".

2 OF 2 — STRUCTURE JOB NO. 5458

REVISIONS

STATE HIGHWAY COMMISSION OF WISCONSIN
DETAILS FOR
BRIDGE NO. 553
STA. 742 + 82.00
TOWN OF BURNS - LA CROSSE CO.

CORRECT: G. T. Kirsch — BRIDGE ENGINEER

APPROVED: Date 2-10-61 — Initial C.E.M. — Walter E. L. Peterson — STATE HIGHWAY ENGINEER

X 9407

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	397-A(2) 28(2) 107(2)	1	193

DIVISION JOB NO. 5713-5718

INDEX OF SHEETS

SHEET NO. 1 TITLE
SHEET NO. 2-82A TYPICAL CROSS SECTIONS & MISC. DETAILS
SHEET NO. 3-3H ESTIMATE OF QUANTITIES
SHEET NO. 3I-3J MISCELLANEOUS QUANTITIES
SHEET NO. 4A-4E RIGHT OF WAY PLAT
SHEET NO. 5-22 PLAN AND PROFILE STA. 572+00 TO STA. 1086+45
SHEET NO. 23-25 STANDARD DETAILS
SHEET NO. 26-59 DRAINAGE STRUCTURES
SHEET NO. 60-193 CROSS SECTIONS

STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

SPARTA — LA CROSSE

WEST SALEM — SPARTA

LACROSSE & MONROE COUNTIES

F.A.P. 397-A (2)

BEGINNING AT A POINT 1600 FEET SOUTH AND 200 FEET EAST OF THE NORTH 1/4 CORNER OF SEC. 34 T 17N, R6W; THENCE EASTERLY TO A POINT 870 FEET SOUTH AND 300 FEET WEST OF THE NORTH EAST CORNER OF SECTION 33, T 17N, R5W. EXCEPT BRIDGE NO. 552, STA. 594+05.75 - STA. 597+10.25 - NET LENGTH 0.058 MILES.

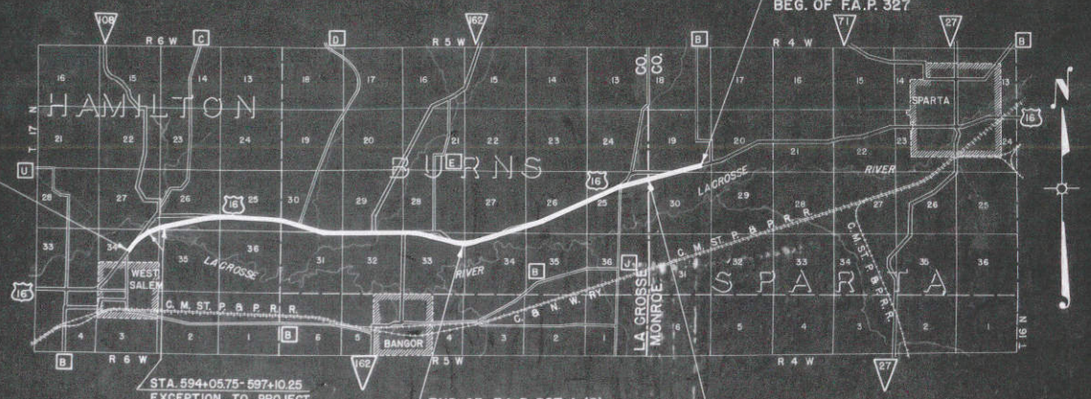
F.A.P. 28 (2)

BEGINNING AT A POINT 870 FEET SOUTH AND 300 FEET WEST OF THE NORTHEAST CORNER OF SECTION 33, T 17R, R5W; THENCE NORTHEASTERLY TO A POINT ON THE LACROSSE-MONROE COUNTY LINE 480 FEET SOUTH OF THE NORTHEAST CORNER OF SECTION 25, T17N, R5W.

F.A.P. 107 (2)

BEGINNING AT A POINT ON THE LACROSSE-MONROE COUNTY LINE, 480 FEET SOUTH OF THE NORTHWEST CORNER OF SEC. 30, T17N, R4W; THENCE NORTHEASTERLY TO A POINT 740 FEET NORTH AND 720 FEET WEST OF THE SOUTHEAST CORNER OF OF SECTION 19, T17N, R4W.

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.



CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
NEW RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
WIRE FENCE { WOVEN / BARBED
LOT LINE
CORPORATE OR CITY LIMITS
PROPERTY LINE — P.L. + 326
TRAVELED WAY OR P.E.
RAILROADS
BASE OR SURVEY LINE — 30
TREES TO BE CUT (REMOVED)
TREES TO BE PLANTED
CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY — 1013 / 269
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE — 319
GRADE ELEVATION — DATUM LINE — 323.6

LAYOUT

SCALE 1/2 0 MILES

TOTAL NET LENGTH OF CENTERLINE = 9.726 MI.
FEDERAL AID PROJECT 397-A(2) = 5.589 MI.
FEDERAL AID PROJECT 28(2) - 3.247 MI.
FEDERAL AID PROJECT 107(2) - 0.890 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR V. A. S. NOTE BOOK 82-81, 82, 83, 84, 85, 86, 96, 97, 850
DIVISION COMPUTER D.H.K. M. O. CHECKER N.C.C.
DIVISION CHECKER R.G.J. CORRECT 9-19-40

CORRECT:
DATE 9/14/40 T. M. Bywater
DIVISION ENGINEER

RECOMMENDED FOR APPROVAL: DATE 9/16/40
DESIGN ENGINEER — CONSTRUCTION ENGINEER

APPROVED: DATE 9/16/40
E. L. Roettger
STATE HIGHWAY ENGINEER

FIELD INVESTIGATED BY: R. C. Black
ASSISTANT ENGINEER

FEDERAL WORKS AGENCY
PUBLIC ROADS ADMINISTRATION

RECOMMENDED FOR APPROVAL:
DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED:
COMMISSIONER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

H. J. TAYLOR
P. R. A. REPRESENTATIVE

28(2)-107(2)-397A(2)

ESTIMATE OF QUANTITIES - BRIDGE NO. 553

CONTRACT NO. 2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	337-A(2)	88	193

DIVISION JOB NO. 5713

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1935. AS APPROVED NOV. 1, 1935; SUPPLEMENTARY SPECIFICATIONS AS SUBMITTED JULY 26, 1937; AND SPECIAL PROVISIONS AS APPROVED OCT. 16, 1939.

EARTH WORK

MILE NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION COMMON	EXCAVATION ROCK	EXCAVATION MARSH	EXCAVATION BORROW	SAND GRAVEL FILL	FINISHING R'D'WAY
	ITEM NO.		202-1	202-2	203-1	203-2	206-1	206-2	206-3	209-1	210-1	214-1
	UNIT	LIN. FT.	ACRE	IN.DIA.	ACRE	IN.DIA.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	STA.
4	742+68.5 - 742+95.5	27.0*										
T												

* NET LENGTH INCLUDED IN GRADING ESTIMATE

BASE COURSE

SURFACE COURSES

MILE NO.	CONCRETE PAVEMENT	CONCRETE HEADERS	LIP CURB 2"	LIP CURB 3"	LIP CURB 4"	CONC. SURFACE DRAIN	CONC. PAV'T. REINF.	STRUCTURAL STEEL CONC. PAV'T.	GRAVEL TRAFFIC BOUND	CR'D STONE TRAFFIC BOUND
	401-1	401-6	401-7	401-8	401-9	401-10	401-11	401-13	406-2	406-3
	SQ. YD.	SQ. YD.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	SQ. YD.	LBS.	C.Y.	C.Y.

BRIDGES (OVER 20' SPAN) - BRIDGE NO. 553

MILE NO.	REMOVING OLD BRIDGE	EXCAVATION	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	CAST STEEL	SHEET LEAD	ZINC PLATES	UNTR'D TIMBER PILING DELIV'D	UNTR'D TIMBER PILING DRIVEN	TR'T'D TIMBER PILING DELIV'D	TR'T'D TIMBER PILING DRIVEN	FLOOR DRAINS	WATER PROOFING	RIP RAP	STEEL FABRIC REINF.	UNTR'D TIMBER TEST PILING	TR'T'D LUMBER AND TIMBER
	204-100	207-1	501-1	506-1	507-1	507-2	507-8	507-10	601-1	601-2	601-3	601-4	608-1	609-1	611-1	506-4	601-5	605-1
	L.SUM	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	SQ. FT.	C.Y.	S.Y.	LIN. FT.	M.B.M.
4	1	530	416	42,440	320									302		220		
T	1	530	416	42,440	320									302		220		

CULVERTS (20' SPAN & UNDER)

MILE NO.	COMMON EXCAVATION	EXCAVATION	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	CAST STEEL	SHEET LEAD	ZINC PLATES	UNTR'D TIMBER PILING DELIV'D	UNTR'D TIMBER PILING DRIVEN	TR'T'D TIMBER PILING DELIV'D	TR'T'D TIMBER PILING DRIVEN	FLOOR DRAINS	WATER PROOFING	RIP RAP	UNTR'D TIMBER TEST PILING	TR'T'D LUMBER AND TIMBER
	206-1	207-2	504-1	506-2	507-1	507-2	507-8	507-10	601-1	601-2	601-3	601-4	608-1	609-1	611-1	601-5	605-1
	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	SQ. FT.	C.Y.	LIN. FT.	M.B.M.

CULVERT PIPE

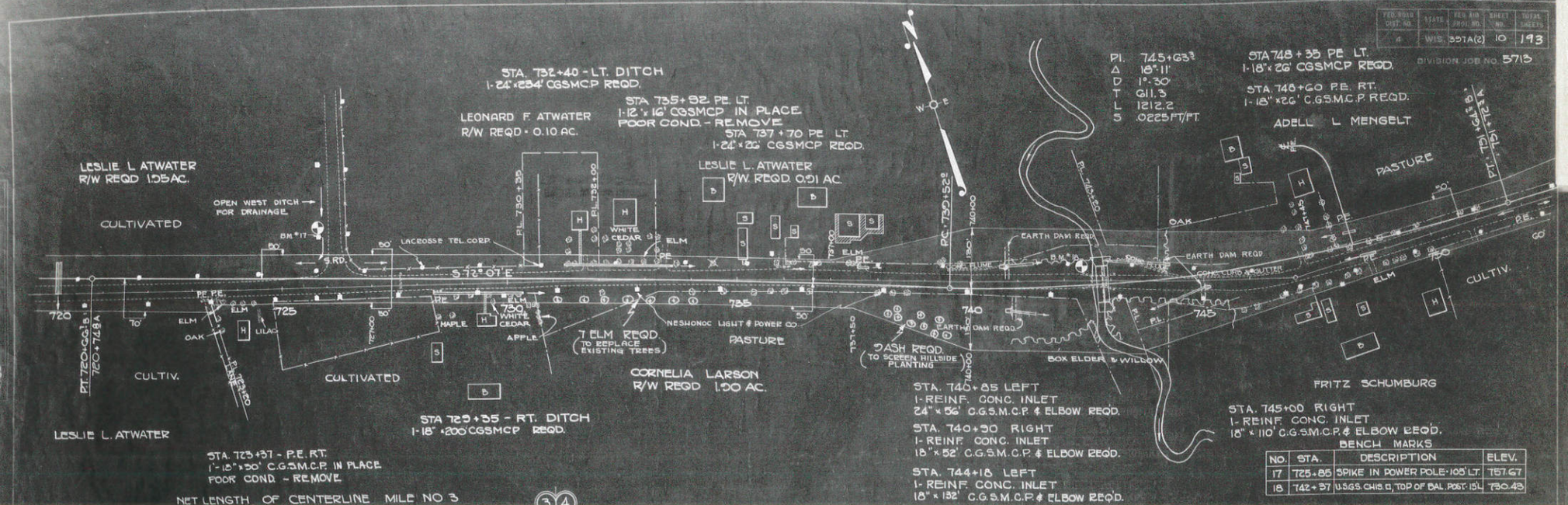
MILE NO.														
	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.

INCIDENTAL CONSTRUCTION

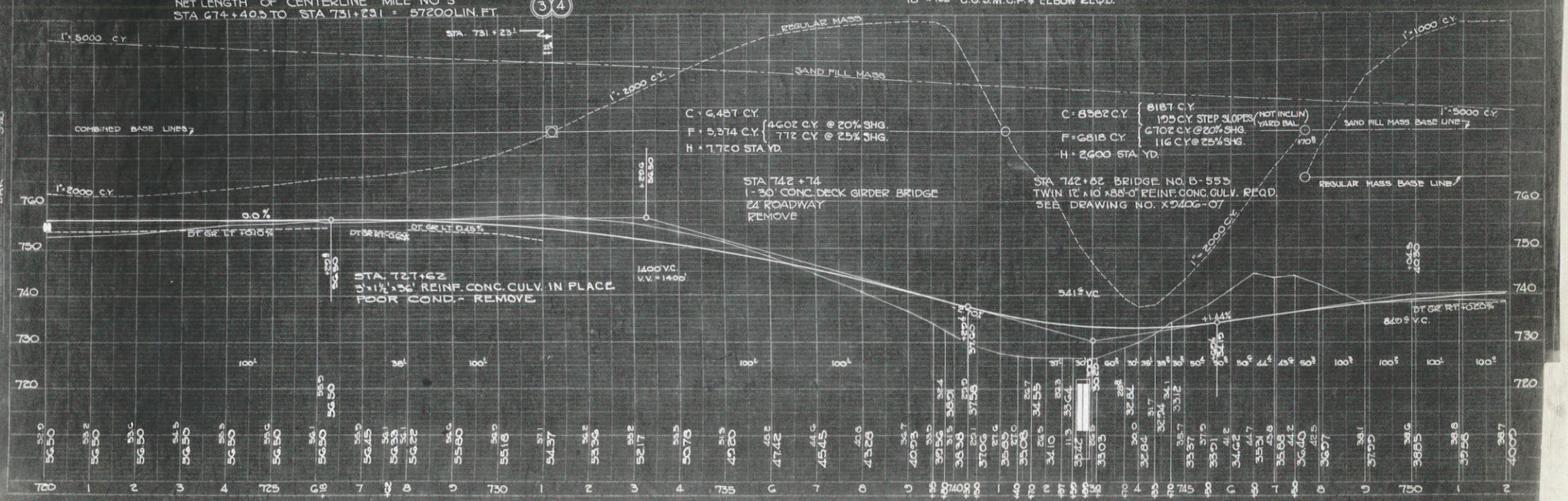
MILE NO.	RIP RAP	PIPE UNDER DRAIN	STORM SEWER	STORM SEWER	STORM SEWER	STORM SEWER	CATCH BASINS	CATCH BASINS	MANHOLES	MANHOLES	INLETS	INLETS	CONCRETE CURB	CONC GUTTER	CONCRETE CURB & GUTTER	SIDEWALK	CABLE GUARD FENCE	ANCHORAGES FOR GUARD FENCE	MARKER POSTS	SEEDING	PROJECT MARKER POSTS
	611-1	614-1	616-___	616-___	616-___	616-___	617-1(a)		617-2(a)		617-3(a)		618-11	618-21	618-31	619-11	620-1	620-5	620-6	625-1	
	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	LIN. FT.		L.FT.	EACH	EACH	SQ.YD.	EACH

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	355TA(2)	10	193

DIVISION JOB NO. 5713



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
17	725+85	SPIKE IN POWER POLE-105' LT.	757.67
18	742+37	U.S.G.S. CHIS. D, TOP OF BAL. POST-15' L.	730.43

NET LENGTH OF CENTERLINE MILE NO 3
STA 674+40.5 TO STA 731+23.1 = 5720.0 LIN. FT.