ESTIMATE OF QUANTITIES

CONTRACT NO. 1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	758-C(1)	3	61

DIVISION JOB NO. 6424

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1941. AS SUBMITTED FOR APPROVAL AS STANDARD APRIL 18 1941, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSAL.

EARTH WORK

MILE NO.	STATION TO STATION		NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION				SAND GRAVEL FILL	FINISHING R'D'WAY.
						UNCLASSIFIED	ROCK	MARSH	BORROW		
		ITEM NO.		2101-3	2101-2	2102-3	2102-2	2106-5	2106-2	206-3	2109-1	2110-1	2114-1
		UNIT	LIN. FT.	ACRE	IN. DIA.	ACRE	IN. DIA.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	STA.
8	401+11 – 421+20		2009	0.10	18	0.10	18	9630			2010	100	25.1
9	421+20 – 455+61		3441	0.15	28	0.15	28	17646				280	39.4
10	455+61 – 525+00		6939	0.20	65	0.25	141	23551			3793	4819	72.4
11	525+00 – 581+92		5692	0.10	31	0.15	49	15392			6000	9403	59.9
12	581+92 – 627+43		4551	0.70	–	0.75	–	15079				4955	45.5
13	627+43 – 667+50		4007	0.55	–	0.55	–	12276			1563	11355	52.5
			26639	1.80	142	1.95	236	93574			13366	30912	294.8

BASE COURSE

SURFACE COURSES

MILE NO.	CONCRETE PAVEMENT	CONCRETE HEADERS	LIP CURB			CONC. SURFACE DRAIN	CONC. PAV'T. REINF.	STRUCTURAL STEEL, CONC. PAV'T.	GRAVEL	CR'D STONE
			2"	3"	4"				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)

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	207-1	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	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.

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	MEMBRANE WATER PROOFING	RIP RAP	UNTR'D TIMBER TEST PILING	TR'T'D LUMBER AND TIMBER
	206-1	2107-2	2404-1	2406-2	507-1	507-2	507-8	507-10	601-1	601-2	601-3	601-4	608-1	2508-2	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.
8		15	31.1	3310										31			
9		115	40.3	3540										59			
		130	71.4	6850										90			

CULVERT PIPE

MILE NO.	C.P. 18"	C.P. 24"	C.P. 30"	C.P. 36"	C.P. 42"	C.P. 48"	SALVAGE CGSM 18"	SALVAGE CGSM 24"
	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	241 1-71	241 1-72
	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.
8	52							
9	98	98	82				20	
10	132		72	184	62			
11	130	82		54		132		
12	102		62	56				
13	66	82		70		96		34
	580	262	216	364	62	228	20	34

INCIDENTAL CONSTRUCTION

MILE NO.	RIP RAP	PIPE UNDER DRAIN	STORM SEWER			STORM SEWER			CATCH BASINS		MANHOLES		INLETS		DRY RUBBLE MAS'RY	SODDING	FERTILIZER	AG. LIME TREATMENT	CONCRETE CURB	CONC. GUTTER	CONCRETE CURB & GUTTER		SIDEWALK		CABLE GUARD FENCE	ANCHORAGES FOR GUARD FENCE	MARKER POSTS	SEEDING	MARKERS FOR R/W	PROJECT MARKER POSTS
	2512-1	614-1	616-	616-	616-	616-	616-	616-	617-1(a)		617-2(a)		617-3(a)		2409-3	2607-1	2605-1	2605-2	618-11	618-21	618-31		619-11		620-1	620-5	2533	2606-1	2523	
	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	C.Y.	S.Y.	CWT.	S.Y.	LIN. FT.	LIN. FT.	LIN. FT.				L.FT.	EACH	EACH	SQ.YD.	EACH	EACH
8																167	28.6	15887								5	15887	10	
9	26																43.2	24000								4	24000	17	
10	14.6															188	74.4	41333								8	41333	26	
11	12.0																61.0	33911								6	33911	19	
12	6.0														1.0		43.9	24378								4	24378	16	
13	11.0															155	44.1	24477								6	24477	24	
	46.2														1.0	510	295.2	163986								33	163986	112	

ESTIMATE OF QUANTITIES

CONTRACT NO. 2

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	758-(01)	3A	81

DIVISION JOB NO. 6424

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN— EDITION OF 1941.
SUBMITTED FOR APPROVAL AS STANDARD APRIL 18, 1941, FEDERAL AID SPECIAL PROVISIONS APPROVED AS STANDARD JULY 2, 1941 AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

MILE NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT		REMOVING OLD BRIDGE		EXCAVATION				SPECIAL COMPACTED EMBANKMENTS		SAND GRAVEL FILL	FINE GRADING	SHOULDER EMBANKMENT	FINISHING ROADWAY	OBLITERATING OLD ROAD	BASE COURSE		CONCRETE PAVEMENT		CONCRETE HEADERS	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROADBED FOR BIT. TREAT.	BITUMINOUS MATERIAL FOR PRIME COAT ASPHALT MC-0	AGGREGATE FOR GRADED AGGREGATE BIT. SURF. COURSE DENSE GRADED TYPE	BIT. MAT. FOR SURFACE COURSE AND TACK COAT	GRAVEL TRAFFIC BOUND SURFACE (BASE) COURSE		GRADED AGGREGATE SURFACE (BASE) COURSE		SUBGRADE COR. BY REPLACEMENT OF UNSATISFACTORY MATERIAL WITH SATISFACTORY MATERIAL
	ITEM NO.		2101-2	2101-3	2102-2	2102-3	2104-1(a)		2104-2(a)		2106-1	2106-2	2106-4	2109-1	2106-6	2108-1	2110-1	2112-1	2113-1	2114-1	2116-1			2301-1	2301-	2301-6	2301-10	2301-11	2310-1	2311-1	2312-2	23	2320-2	23	2322-1	2322-2	2322-4
	UNIT	LIN. FT.	IN. DIA.	ACRE	IN. DIA.	ACRE	L.S.		L.S.		C.Y.	C.Y.	C.Y.	C.Y.	SQ. YD.	C.Y.	C.Y.	C.Y.	C.Y.	STA.	STA.			SQ. YD.	SQ.YD.	SQ.YD.	C.Y.	SQ. YD.	STA.	SQ. YD.	C.Y.	GAL.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.
8	401+11 – 421+20	2009																											1510	335		380		2533	75	380
9	421+20 – 455+81	3441																											2580	575		650		3002	125	650
10	455+81 – 525+00	6939																											5210	1158		1300		5978	225	1300
11	525+00 – 581+92	5892																											4270	950		1050		4969	225	1050
12	581+92 – 627+43	4551																											3420	760		860		3965	175	860
13	627+43 – 667+50	4007																											3010.	670		760		4134	150	760
		26,639																											20 000	4448		5000		24581	975	5000

BRIDGES (STRUCTURES OVER 20 FT. SPAN)

MILE NO.	REMOVE OLD BRIDGE. STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	STEEL FORGINGS	SHEET LEAD	ZINC PLATES	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TIMBER PILING		FLOOR DRAINS	PROOFING		RIP-RAP
														UNTR'D.	TR'T'D.		DAMP	MEMBRANE WATER	
	2104-2(a)	2106-1	2107-1	2110-1	2401-1	2406-1	2407-1	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-2	2501-3	2507-1	2508-1	2508-2	2512-1
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	L.B.	L.B.	L.B.	L.B.	L.B.	L.B.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	SQ. FT.	SQ. FT.	C.Y.

CULVERTS (STRUCTURES 20FT. SPAN & UNDER)

REMOV. OLD CULV'T. STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	STEEL FORGINGS	SHEET LEAD	ZINC PLATES	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TIMBER PILING		FLOOR DRAINS	PROOFING		RIP-RAP
													UNTR'D.	TR'T'D.		DAMP	MEMBRANE WATER	
2104-1(a)	2106-1	2107-2	2110-1	2401-1	2406-2	2407-1	2407-3	2407-4	2407-9	2407-11	2408-2	2501-2	2501-2	2501-3	2507-1	2508-1	2508-2	2512-1
L.S.	C.Y.	C.Y.	C.Y.	C.Y.	L.B.	L.B.	L.B.	L.B.	L.B.	L.B.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	SQ.FT.	SQ.FT.	C. Y.

MILE NO.	RUBBLE MASONRY		CULVERT PIPE												RIP-RAP	RUBBLE PAVING		DITCH CHECKS		PIPE UNDER DRAIN	STORM SEWER				CATCH BASINS		MANHOLES		INLETS		CONCRETE			GUARD FENCE			MARKER POSTS	CALCIUM CHLORIDE OR CAL-MAG. CHLORIDE SURFACE TREATMENT	TOPSOIL			FERTILIZER	SEEDING	SODDING
	DRY	MORTAR														PLAIN	GROUT'D														CURB	CURB AND GUTTER	SIDE WALK	CABLE	TIMBER RAIL	ANCHORAGES FOR CABLE			SEED BEDS AND SOD	PLANTING	SALVAGED			
2409-2	2409-3	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2411-	2512-1	2515-1	2515-2	2516-	2516-	2517-1	2519-	2519-	2519-	2519-	2520-1(a)		2520-2(a)		2520-3(a)		2521-1	2521-3	2522-1	2523-1	2523-2	2523-4	2523-3	2525-1	2601-1	2602-1	2603-1	2605-1	2606-1	2607-1
C.Y.	C.Y.	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.	C.Y.	SQ.YD.	SQ.YD.		C.Y.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	E	EACH	EACH	EACH	EACH	EACH	LIN.FT.	LIN.FT.	SQ.FT.	LIN.FT.	LIN.FT.	EACH	EACH	TON	SQ.YD.	C.Y.	SQ.YD.	CWT.	SQ.YD.	SQ.YD.