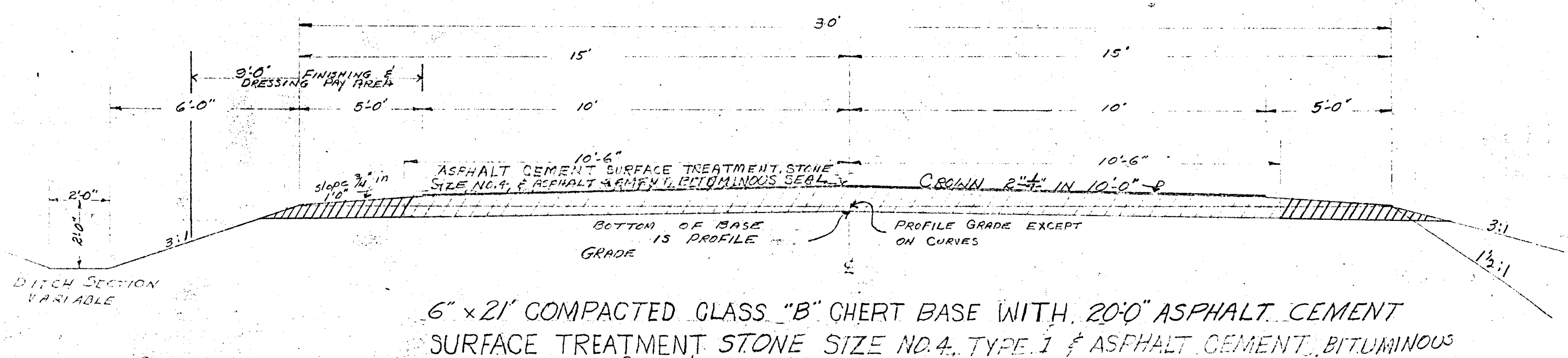
TYPICAL SECTION

AND

SUMMARY OF QUANTITIES

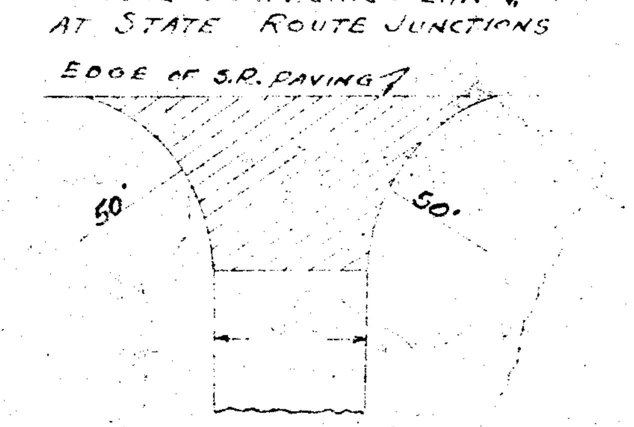
PROJ. RR-PR- 697(3) & SPUR

POND SPRINGS - CHICKAMAUGA ROAD

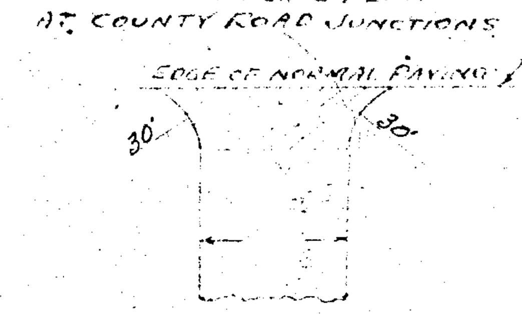


6" × 21' COMPACTED CLASS "B" CHERT BASE WITH 20'-0" ASPHALT CEMENT SURFACE TREATMENT STONE SIZE NO.4, TYPE 1 & ASPHALT CEMENT BITUMINOUS SEAL & CLASS "B" CHERT SHOULDERS

TYPICAL SURFACING PLAN AT STATE ROUTE JUNCTIONS



TYPICAL SURFACING PLAN AT COUNTY ROAD JUNCTIONS



NOTE: ALL CONSTRUCTION SHALL CONFORM TO THE GEORGIA STATE HIGHWAY DEPARTMENT GEOMETRIC DESIGN STANDARDS - REVISED 1953.

9+05
7+69
1+36

~~PAVING ADJACENT SHOULDERS GRADING AND BASE MATERIAL PAVEMENT WIDENING AND ELSEWHERE AS DIRECTED BY THE ENGINEER.~~

CURVES TO BE SUPERELEVATED IN ACCORDANCE WITH GA. STD. NO. 9028-A.

DATA SHOWN ON PLANS REGARDING CLASSIFICATION, LOCATION AND / OR EXTENT OF SOIL OR ROCK IN ROADWAY SECTION, AT STRUCTURE SITES OR IN PITS ARE BASED ON FIELD INVESTIGATION AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. THESE DATA ARE SHOWN AS INFORMATION ONLY --- ARE NOT GUARANTEED AND DO NOT BIND THE RURAL ROAD AUTHORITY.

ALL OBSTRUCTIONS INCLUDING TELEPHONE, TELEGRAPH OR POWER POLES ARE TO BE MOVED TO CLEAR RIGHT OF WAY BY COUNTY.

THE CONTRACTOR WILL NOT BE PAID FOR ANY DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY POLES OR OTHER SERVICES NOT BEING MOVED IN ADVANCE OF HIS WORK.

Note: ALL LOCAL MATERIAL PITS TO BE FURNISHED BY COUNTY, incl. Chert

POWER POLES OWNED BY NORTH GEORGIA ELECTRIC MEMBERSHIP CORPORATION.

ALL ROCK WALLS, STEPS AND MISCELLANEOUS ITEMS NOT SHOWN IN DETAILED ESTIMATE TO BE REMOVED AS CLEARING AND GRUBBING.

NOTE: SEE SPECIAL PROVISIONS FOR CHERT BASE.

In event of County Contract executed for this project - Cl. & Gr. actual will be 22.00 Acres. This figure is not to be used for any bidding whatsoever.

PIPE CULVERTS

STATION	CROSS DRAIN 15"	18"	24"	30"	36"	48"	ENDWALL & APRON TYPE 1	STANDARD	SAND CEM. BAG RIPRAP SQ. YD.	STRUCT. EXCAV.
0+15		80'					1	1018	3.5	20.0
13+80		64'					1	1018	3.5	25.0
22+30		64'					1	1018	3.5	30.0
31+92		[illegible]					1	1018	3.5	40.0
[illegible]		64'					1	1018	3.5	50.0
[illegible]		68'					1	1018	3.5	20.0
67+00				60'			1	1018	5.0	50.0
82+15			64'				1	1018	4.0	30.0
88+20	50'	S.R.O.D.								
93+74				68'			1	1018	5.0	40.0
100+00			68'				1	1018	4.0	35.0
119+75		56'					1	1018	3.5	25.0
134+50						64'	1	1018	9.0	75.0
140+15					62'		1	1018	6.0	30.0
152+45		66'					1	1018	3.5	45.0
205+75			66'				1	1018	4.0	40.0
225+50				60'	S.R.O.D.					
227+14			66'				1	1018	4.0	50.0
TOTAL	50'	572'	264'	188'	62'	64'			68.0	605.0

LENGTH OF PROJECTS

Project No.	Sta. -	Sta.	Lin. Ft. Roadway	Lin. Ft. Bridges	Except.	Remarks
RRPR-697(3) & SPUR	0+00	7+69	769.0			
	7+69	9+05		136.0		
	9+05	13+64.2	459.2			Eq. 13+64.2 Bk. / 13+45.0 Fwd.
	13+45.0	125+34.6	11,189.6			Eq. 125+34.6 Bk. / 125+30.8 Fwd.
	125+30.8	188+00	6,269.2			
	188+02	189+54		152.0		
	189+54	213+92.0	2,438.0			Eq. 213+92.0 Bk. / 212+83.3 Fwd.
	212+83.3	230+31.9	1,748.6			
Total			22,873.6	288.0		
Summary - Miles						
Net Length Roadways			4.332			
Net Length Bridges			0.054			
Net Length Project			4.386			
Net Length Exceptions			0.000			
Gross Length of Project			4.386			

188 02
125 30 8
1271 2

CONCRETE BOX CULVERTS

STATION	SIZE	LENGTH	STANDARD	DESIGN	SKEW	CL."A" CONC.	R. STEEL	EXCAV.	BACKFILL
58+43	9'×10'	48'	2306	1	90	113.61	12,250.0	200.0	50.0
131+45	8'×8'	44'	2306	1	90	82.61	8,079.0	100.0	50.0
TOTAL						196.22	20,329.0	300.0	100.0

DETAILED ESTIMATE

Item No.	Item	Unit	Quan.	Quan.	Quan.	Totals
	Grading					
100-A	Clearing and Grubbing - Roadway - Lump Sum	Acres	41.918			
101-A	Clearing and Grubbing	Acre	5.000			
104-A; 110-A	Uncl. Excavation and Borrow including Ditches & Shoulders	Cu. Yd.	82,320.0			
111-A	Overhaul on Excavation	Sta. Yd.	264,960.0			
120-A	Roadbed and Subgrade Treatment Material	Cu. Yd.	10,900.0			
112	Overhaul on Subgrade Treatment Material	Yd.	88,500.0			
106-A	Excavation for Culverts and Minor Structures	Cu. Yd.	905.0			
106-B	Selected Material Backfill, Culvert Foundation	Cu. Yd.	100.0			
500-A	Class "A" Concrete Culverts, & Well Caps	Cu. Yd.	196.72			
~~500-B~~	~~Class "B" Concrete ... Cap including Reinf. Steel~~					
511-A	Bar Reinforcing Steel	Lb.	20,327.0			
~~520-A~~	15" Side Drain Pipe	Lin. Ft.	1028.0			
~~520-A~~	18" Side Drain Pipe	Lin. Ft.	60.0			
~~520-A~~	24" Side Drain Pipe	Lin. Ft.	90.0			
~~520-B~~	15" Cross Drain Pipe	Lin. Ft.	50.0			
~~520-B~~	18" Cross Drain Pipe	Lin. Ft.	522.0			
~~520-B~~	24" Cross Drain Pipe	Lin. Ft.	264.0			
~~520-B~~	30" Cross Drain Pipe	Lin. Ft.	188.0			
~~520-B~~	36" Cross Drain Pipe	Lin. Ft.	62.0			
~~520-B~~	48" Cross Drain Pipe	Lin. Ft.	64.0			
537	Culvert Pipe Removed (S.D. & C.D.)	Lin. Ft.	550.0			
664-B	Sand Cement Bag Rip Rap - Plain	Sq. Yd.	68.0			
700-A	Seeding [illegible]	Sq. Yd.	56,700.0			
700-B	Agricultural Lime	Ton	29.00			20.040
700-C	First Application Fertilizer	Ton	7.25			10.020
700-E	Second Application Fertilizer	Lb.	2030.0			1403.0
542-A	Remove Steel I Beam Bridge with Conc. Abutment C.D. Sta. 58+33	Lump	1			
103	Remove Concrete Culverts Sta. 131+45	Lump	1			
~~103~~	~~Remove Federal Brigade Markers~~	~~Lump~~				
605-A	6" Perforated CMP Pipe Underdrain	Lin. Ft.	325.0			
	Surfacing Quantities;					
312-A	Cutback Asphalt Prime	Gal.	13,695.0			
324-A	Asphalt Cement Surface Treatment, Stone Size #4, Type 1	Sq. Yd.	51,220.0			
326-A	Asphalt Cement Bituminous Seal	Sq. Yd.	51,220.0			
117	Finishing and Dressing	Sq. Yd.	45,648.0			
121	Special Subgrade Compaction	Ln. Mile	4.322			
211-B	Chert Base Class "B" & Chert Shoulders	Cu. Yd.	21,500			
112	Special Overhaul	Yd.	159,200			
101-A	Clearing and Grubbing	Acre	2.0			
104-A 110-A	Uncl. Excav. & Bor.	Cu. Yd.	1000			
111-A	Overhaul on Excav.	Sta. Yd.	10,000			
700-A	Seeding - Shoulders	Sq. Yd.	125,500			
700-B	Agricultural Lime	Ton	11.0			
700-C	First Application Fertilizer	Ton	2.50			
700-E	Second Application Fertilizer	Lb.	800.0			
700-F	Water for Grassing	M. Gal.	255			
700-F	Water for Grassing	M. Gal.	50.7			

SIDE - DRAIN PIPE

STATION	SIDE	15"	18"	24"
12+00	Lt.	30		
17+00	Rt.	30		
16+00	Lt.	30		
23+25	Rt.	30		
29+25	Rt.	30		
32+75	Lt.	30		
34+25	Rt.	30		
33+60	Lt.	30		
54+50	Lt.	30		
54+50	Rt.	30		
60+00	Rt.			30
60+30	Lt.			30
65+20	Lt.	8		
71+35	Rt.	30		
72+90	Rt.	30		
75+50	Lt.	30		
75+50	Rt.	30		
77+20	Rt.	30		
88+20	Rt.	30		
97+50	Lt.	30		
107+50	Rt.	30		
115+00	Rt.	30		
116+00	Rt.	30		
117+00	Rt.	30		
122+50	Lt.	30		
122+50	Rt.	30		
130+50	Lt.	30		
138+50	Rt.	30		
147+50	Lt.	30		
158+00	Lt.		30	
161+33	Rt.		30	
172+00	Lt.	30		
181+50	Rt.	30		
203+00	Rt.			30
205+00	Lt.	30		
212+10	Rt.	30		
214+15	Rt.	30		
216+20	Lt.	30		
223+90	Lt.	30		
226+50	Rt.	30		
TOTAL		1028	60	90

DIV.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	GA.	697(3) & SPUR	1956	2	16

Revised April 1, 1957
Revised April 6, 1957
Revised April 19, 1957
" May 9, 1957
Revised Sept. 20, 1957