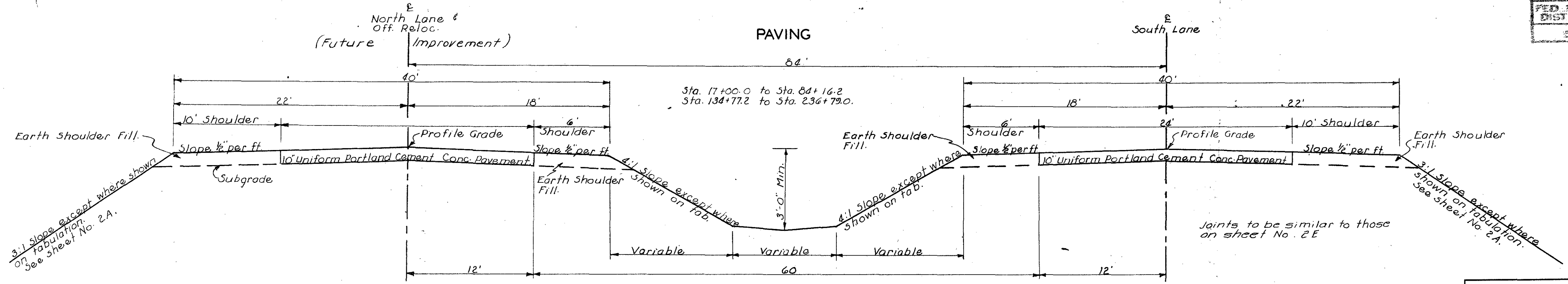
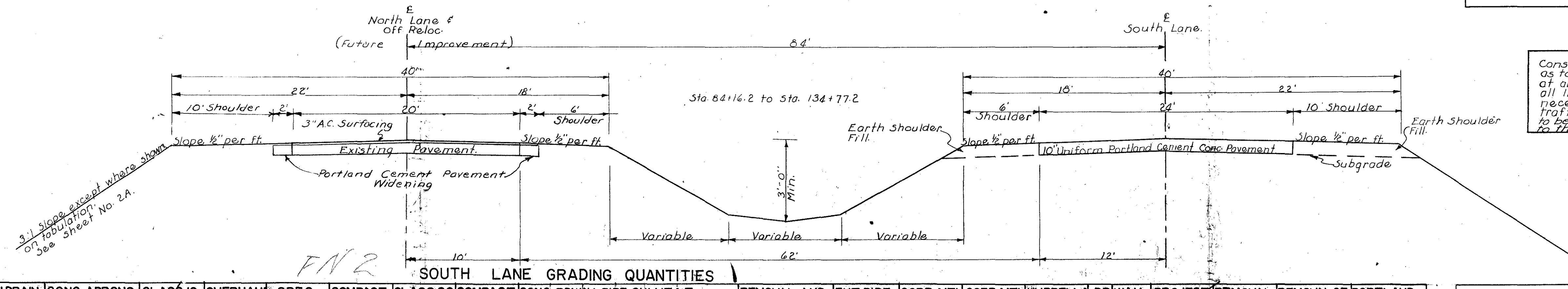


TYPICAL SECTIONS

FED. ROAD DIST. NO.	STATE	F. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	INDIANA	2 (17)		28.	64



Erosion control work will be done, and the details will be determined following completion of the grading.



Construction shall be so arranged as to maintain traffic on U.S. No. 20 at all times. Contractor to furnish all lights, barricades, flagmen etc. necessary to control and expedite traffic. All of the above operations to be performed without expense to the state.

CLASS 10 EXCAV. CHANNEL CHANGE	SPEC. MEDIAN DRAIN SECTION		CONC. APRONS		CLASS 10 EXCAV. ROADWAY & BORROW	OVERHAUL	SPEC. BACKFILL	COMPACT. TRENCH BOTTOM	CLASS 20 EXCAV.	COMPACT. BACKFILL	CONC. RDWAY PIPE CULVE RT LIN FT.						REMOVAL AND RELAYING OF PRESENT CONCRETE RDWAY PIPE CULVERT	ENT PIPE CULV.		CORR. MTL ROADWAY PIPE CULV.		CORR. MTL ELBOWS		UMBRELLA INTAKES	DR WAY SURFING MATERIAL	PROJECT SIGNS	REMOVAL OF STRUCTURES	REMOVAL OF EXISTING CONC. PAVEMENT	PORTLAND CEMENT CONCRETE FULL DEPTH PATCHING	
	NO.	NO.	NO.	NO.							18"	24"	30"	36"	42"	48"		54"	LIN. FT.	LIN. FT.		NO.								
																				24"	30"	24"	42"							24"
CU. YDS.	24"	30"	18"	24"	CU.YDS.	STA.YDS.	TONS	STA.	CU.YDS.	CU.YDS.	18"	24"	30"	36"	42"	48"	54"	48" LIN. FT.	24"	30"	24"	42"	24"	42"	NO.	TONS	NO.	LUMP SUM	SQ YDS.	SQ YDS.
4000	2	3	6	8	637,606	4,097,254	1158	57	3161	758	134	1192	810	388	108	138	204	36	308	104	42	56	2 30'	1 15'	1	1270	2	ALL	68	68

SUPERELEVATED CURVES				
P.I.	Δ	D	e	S
* 25+00.8	6° 48' 52 1/2"	2° 00'	.047	175
67+00.1	3° 58' 39"	0° 45'	.018	175
80+11.72	3° 26' 38.7"	0° 45'	.018	175
* 227+02.39	6° 40'	1° 00'	.022	175
* 233+64.60	6° 24' 30"	1° 00'	.022	175

PAVING QUANTITIES
ESTIMATE OF QUANTITIES

Class 10 Excavation From Roadway & Borrow		Overhaul	Backfill Special	Concrete Roadway Pipe Culvert	Class 20 Excavation	Compacting Trench Bottom	Entrance Pipe Culvert	Removal of Old Pavement	Breaking up of Old Pavement	Standard Portland Cement Concrete Pavement	Finishing Earth Shoulders	Project Signs	Removal of Existing Structures	Storm Sewer (2000D)	Intake F-3
Cu. Yds.	Incidental To Paving Cu. Yds.	Sta. Yds.	Tons	Lin. Ft.	Cu. Yds.	Stations	18"	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sta.	No.	Lump Sum	24"	No.
27,171	14,865	21,607	4,666.6	90	45	8.95	100	15,041	DELETED	52,751	392	2	SEE TAB	86	2

- ① Includes 1259 cu. yds. of trench excavation for subgrade treatment, 842 cu. yds. of trench excavation for trenching out for compaction of trench bottom, and 292 cu. yds. for U.S. No. 20 connection RT of Sta. 209+40. Does not include 8460 cu. yds. of waste to be used for shoulders.
- ② Estimated at 90 cu. yds. per station for 10 ft. shoulders, 65 cu. yds. per station for 6 ft. shoulders, and 45 cu. yds. per station for 4 ft. shoulders. No Overhaul will be allowed. 1627 cu. yds. available as waste from roadway & borrow excavation and 1033 Cu. Yds. available from trench excavation for subgrade treatment.
- ③ To be used Lt. of Sta. 34+79.9. See sheets No. 4 and 7.
- ④ To be disposed of as directed by the Engineer in charge of construction.
- ⑤ Includes 3027 sq. yds. for U.S. No. 20 connection RT of Sta. 209+40 & 18 sq. yds. at Sta. 34+ & Sta. 594+ & 205 lin. ft. of 2" barrier curb. See detail sheet No. 2F
- ⑥ one station of road centerline measurement equals two stations of shoulder measurement.
- ⑦ Signs from grading project to be used.

TABULATION			
1-35'x20' Conc. floor			
1- Foundation			
2- Intakes			
1-18" Conc. Pipe Culv. with Hdws.			
1-3'x3'x37' Conc. Box Culv.			

SOIL EROSION QUANTITIES			
Seeding	Sodding	Mulching	Fertilizing
Acres	Squares	Acres	Acres
44.0	—	23.5	17.0

Revised July 30, 1958
Revised May 21, 1958
Revised May 13, 1958