

ESTIMATED QUANTITIES FOR GEOTECHNICAL PROBLEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	34-4	HANCOCK	452	18
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
D-98-551-02				
CONTRACT NO. 72680				

BIAXIAL GEOGRID

STATION TO STATION		SIDE	REMARKS	SO YD
1069+25.00	1072+75.00	RT & LT	SEE ROCKFILL - SUBGRADE SCHEDULE	3,120
1096+50.00	1098+50.00	LT	SEE ROCKFILL - EMBANKMENT SCHEDULE	1,120
1096+50.00	1100+50.00	RT	SEE ROCKFILL - EMBANKMENT SCHEDULE	2,500
1124+00.00	1150+60.00	LT	SEE ROCKFILL - EMBANKMENT SCHEDULE	17,800
TOTAL				24,540

EARTH EXCAVATION (ROCKFILL)

STATION TO STATION		LANE	REMARKS	CU YD
1069+25.00	1072+75.00	EBL & WBL	NONE	1,560
VARIOUS	VARIOUS	VARIOUS	ESTIMATED 600' X 40' X 1.5' SUBGRADE REPLACEMENT	1,340
1124+00.00	1150+60.00	WBL	UNDERCUTTING EXISTING DITCH	2,960
TOTAL				5,860

ROCKFILL - EMBANKMENT

STATION TO STATION		SIDE	REMARKS	TON
973+95.00	974+35.00	RT	2' TO FACILITATE FILLING EXISTING PRAIRIE CREEK CHANNEL BENEATH PROPOSED EAST BOUND APPROACH	450.00
1096+50.00	1098+50.00	LT	1.5' TO FACILITATE EMBANKMENT CONSTRUCTION ON WEAK GROUND OVER BIAXIAL GEOGRID	1,050.00
1096+50.00	1100+50.00	RT	1.5' TO FACILITATE EMBANKMENT CONSTRUCTION ON WEAK GROUND OVER BIAXIAL GEOGRID	2,400.00
1124+00.00	1150+60.00	LT	1' TO FACILITATE EMBANKMENT CONSTRUCTION ON WEAK GROUND OVER BIAXIAL GEOGRID	11,200.00
TOTAL				15,100.00

ROCKFILL - FOUNDATION

STATION	FOUNDATION TYPE	REMARKS	TON
FAP 315 MAINLINE			
960+46.00	PRE-CAST BOX	1.5' UNDERCUT TO REMOVE THIN SAND LAYER IF ENCOUNTERED	780
1055+03.00	PRE-CAST PIPE	1' UNDERCUT TO PROVIDE UNIFORM SUPPORT IN WEAK SOILS	120
1077+06.00	PRE-CAST PIPE	1.5' UNDERCUT TO PROVIDE UNIFORM SUPPORT IN WEAK SOILS	180
1097+60.00	PRE-CAST PIPE	1.5' UNDERCUT TO PROVIDE UNIFORM SUPPORT IN WEAK SOILS	520
1163+35.00	PRE-CAST BOX	1' UNDERCUT TO PROVIDE UNIFORM SUPPORT IN WEAK SOILS	130
VARIOUS	VARIOUS	ESTIMATED 3 - 200' X 8' X 1.5' UNDERCUT FOR SMALLER CULVERTS	500
COUNTY HIGHWAY 28			
55+88.00	PRE-CAST BOX	2' UNDERCUT TO PROVIDE UNIFORM SUPPORT IN WEAK SOILS	173
TOTAL			2,403

ROCKFILL - SUBGRADE

STATION TO STATION		SIDE	REMARKS	TON
1069+25.00	1072+75.00	RT & LT	1.5' SUBGRADE REPLACEMENT OVER BIAXIAL GEOGRID	2,940
VARIOUS		VARIES	ESTIMATED 600' X 40' X 1.5' SUBGRADE REPLACEMENT	2,520
TOTAL				5,460

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STATION TO STATION		SIDE	REMARKS	CU YD
950+00.00	959+00.00	RT	2' TO FACILITATE FILLING EXISTING PRAIRIE CREEK CHANNEL	1,340
973+95.00	974+35.00	RT	2' TO FACILITATE FILLING EXISTING PRAIRIE CREEK CHANNEL BENEATH PROPOSED EAST APPROACH	240
VARIOUS	VARIOUS	VARIOUS	MISCELLANEOUS REMOVAL AT EXISTING DITCHES OR CHANNELS	2,000
TOTAL				3,580

STONE DUMPED RIPRAP - CLASS B3

STATION TO STATION		ESTIMATED ELEVATION LIMITS	REMARKS	TONS
967+50.00	972+00.00	LT	1' THICK ON FILTER FABRIC OVER SAND	730
VARIOUS	VARIOUS	VARIES	1' THICK ON FILTER FABRIC OVER SAND IN LOCALIZED AREAS	1000
TOTAL				1,730

SUBBASE GRANULAR MATERIAL, TYPE A

STATION TO STATION		SIDE	REMARKS	TON
966+25.00	967+75.00	RT & LT	6" CAP OVER SAND, DELETE LIME MODIFIED SOIL	460
968+25.00	969+75.00	RT & LT	6" CAP OVER SAND, DELETE LIME MODIFIED SOIL	460
1056+50.00	1061+50.00	LT	6" CAP OVER 12" LIME MODIFIED SOIL	760
1069+25.00	1072+75.00	RT & LT	6" CAP OVER 12" LIME MODIFIED SOIL OR ROCKFILL SUBGRADE	1065
VARIOUS		VARIES	ESTIMATED 600' X 40' X 6" CAP OVER SAND, LMS OR	915
TOTAL				3,660

NOTE: THE QUANTITIES INCLUDED ON THIS SHEET ARE ESTIMATED QUANTITIES FOR CORRECTING GEOTECHNICAL PROBLEMS. THESE QUANTITIES MAY BE REDUCED, INCREASED, OR TOTALLY DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAP 315 SCHEDULES OF ESTIMATED QUANTITIES

DRAWN BY TJD
CHECKED BY JRB
DATE 1/31/06