

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

PAVEMENT MARKINGS

AUXILIARY MARKINGS (STOP LINES, CROSSWALK LINES, CHANNELIZING LINES, ETC.) SHOWN IN THE PLANS ARE TAKEN FROM EXISTING LOCATIONS. THE CONTRACTOR SHALL DOCUMENT ALL AUXILIARY MARKING LOCATIONS THAT WILL BE REMOVED/OBLITERATED DURING THIS PROJECT AND PLACE NEW AUXILIARY MARKINGS AT THE LOCATION OF THE EXISTING MARKINGS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER A MINIMUM OF 24 HOURS PRIOR TO APPLYING PAVEMENT MARKING MATERIALS ON ANY ROUTES SO THAT ODOT PERSONNEL MAY BE PRESENT DURING PAVEMENT MARKING OPERATIONS. AS PER CMS 641.04, THE CONTRACTOR SHALL PROVIDE ODOT PERSONNEL A COPY OF THE DLS SHORT REPORT AT THE END OF EVERY WORK DAY OR AS REQUESTED THROUGHOUT THE DAY. THE CONTRACTOR SHALL NOT RECEIVE PAYMENT FOR ANY WORK DONE WITHOUT NOTIFICATION AS STATED ABOVE OR IF DSL SHORT REPORTS ARE NOT PROVIDED DAILY.

ITEM 209, DITCH CLEANOUT, AS PER PLAN

THIS ITEM OF WORK INCLUDES RE-ESTABLISHING A DITCH LINE TO AN EXISTING CULVERT AND STABILIZING THE DITCH WITH ROCK CHANNEL PROTECTION AND/OR SEEDING AND MULCHING ALONG THE FOLLOWING ROADWAYS TO BE USED AS DIRECTED BY THE ENGINEER.

ROAD 51 – 800 FT.	(TYPE D – 40 CY	TYPE C – 5 CY)	
ROAD 52 – 2,055 FT.	(TYPE D – 110 CY	TYPE C – 5 CY)	
ROAD 54 – 200 FT.	(TYPE D – 12 CY		
ROAD 55 – 1,450 FT.	(TYPE D – 40 CY		SEED – 325 SY)
ROAD 57 – 400 FT.	(TYPE D – 23 CY		
FOGLE RD. – 1,668 FT.	(TYPE D – 87 CY	TYPE C – 5 CY)	
ADD'L QTY – 1,027 FT.	(TYPE D – 53 CY	TYPE C – 5 CY)	
TOTAL – 7,600 FT.	365 CY	20 CY	

THE MINIMUM DITCH DIMENSIONS SHOULD APPROXIMATE A V-DITCH WITH 2' TOP AND 1.5' DEPTH. ALL MATERIAL REMOVED FROM THE ROADWAYS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR OUTSIDE SALT FORK STATE PARK LIMITS.

THE FOLLOWING QUANTITIES ARE BEING CARRIED TO THE GENERAL SUMMARY TO PERFORM THE WORK AS DESCRIBED ABOVE.

ITEM 209, DITCH CLEANOUT, AS PER PLAN: 7,600 FT.

ITEM 601, ROCK CHANNEL PROTECTION, TYPE C WITH FILTER: 20 CU. YD.

ITEM 601, ROCK CHANNEL PROTECTION, TYPE D WITHOUT FILTER: 365 CU. YD.

ITEM 659, SEEDING AND MULCHING, CLASS 1: 325 SQ. YD.

ITEM 253, PAVEMENT REPAIR

AN ESTIMATED QUANTITY FOR PAVEMENT REPAIR HAS BEEN INCLUDED IN THE PLAN TO BE USED AS DIRECTED BY THE ENGINEER. REPAIRS SHALL TAKE PLACE PRIOR TO ANY PLANING OPERATIONS.

THE INTENT OF THIS OPERATION IS TO REPAIR THOSE AREAS OF PAVEMENT WHICH HAVE COMPLETELY FAILED (PUMPING OF SUB-BASE MATERIAL) AND NOT TO CORRECT SURFACE IRREGULARITIES. DEPTH OF EXCAVATION SHALL BE 4". THE MINIMUM WIDTH SHALL BE 4 FT. AFTER EXCAVATION HAS BEEN COMPLETED, THE FACE OF THE REPAIR SHALL BE COATED WITH 407 TACK COAT. REPLACEMENT MATERIAL WILL BE 4" OF ITEM 301 ASPHALT CONCRETE BASE, PG64-22

REPAIR QUANTITIES MAY BE USED ON THE MAINLINE PAVEMENT OR ON PAVED SHOULDERS. ALL EXCAVATION, MATERIALS, LABOR, EQUIPMENT, TOOLS, TRAFFIC CONTROL AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE PAID FOR UNDER ITEM 253, PAVEMENT REPAIR.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY THE ABOVE DESCRIBED PURPOSE.

ITEM 253, PAVEMENT REPAIR: 250 CU. YD.

ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE, BY DEPTH

DEPTH OF PLANING SHALL BE AS SHOWN ON THE PAVEMENT DATA TABLES. PLANING SHALL BE THE FULL WIDTH OF THE EXISTING PAVEMENT, INCLUDING PAVED SHOULDERS. THE ROADWAY SHALL BE PLANED SUCH THAT POSITIVE DRAINAGE IS CREATED FROM THE CENTER LINE TO THE EDGE OF PAVEMENT IN TANGENT SECTIONS AND SHALL FOLLOW EXISTING SUPERELEVATIONS WHERE APPLICABLE. ALL REQUIREMENTS OF ITEM 254 SHALL APPLY.

IF DURING PLANING OPERATIONS EXCESSIVE SPALLING, RIDGES, OR OTHER IRREGULARITIES ARE FOUND, PLANING DEPTH ADJUSTMENTS SHALL BE MADE UP TO 3/8 INCH AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID PER CMS 254.07.

ITEM 407, NON-TRACKING TACK COAT

THE RATE OF APPLICATION OF THE ITEM 407, NON-TRACKING TACK COAT SHALL BE PER CMS TABLE 407.06-1 AND SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GAL/SY FOR TACK COAT UNDER THE INTERMEDIATE COURSE AND 0.05 GAL/SY UNDER SURFACE COURSE, (FOR ESTIMATING PURPOSES ONLY).

ITEM 411, STABILIZED CRUSHED AGGREGATE, AS PER PLAN

ALL AGGREGATE SHALL BE #57 LIMESTONE. BEFORE PLACING LIMESTONE, THE ROADWAYS SHALL BE GRADED TO FILL IN ALL RUTTS AND POTHLES TO THE SATISFACTION OF THE ENGINEER. AFTER GRADING, THE CONTRACTOR SHALL PLACE AND COMPACT 3" OF #57 LIMESTONE.

ALL EQUIPMENT, MATERIAL, LABOR, AND INCIDENTALS NECESSARY TO PERFORM THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 411, STABILIZED CRUSHED AGGREGATE, AS PER PLAN.

ITEM 516, 2" DEEP JOINT SEALER, AS PER PLAN

THE CONTRACTOR SHALL PLACE A 1" x 2.0" DEEP BEAD OF JOINT SEALER (AS PER 705.04) AT THE LOCATIONS SHOWN IN PLANS. THE CONTRACTOR SHALL SAW CUT A CHANNEL FOR THE JOINT SEALER. THE COST FOR SAW CUTTING THE CHANNEL FOR THE JOINT SEALER SHALL BE INCLUDED FOR PAYMENT WITH ITEM 516, 2" DEEP JOINT SEALER, AS PER PLAN.

**ITEM 630, GROUND MOUNTED SUPPORT, NO. 3 POST
ITEM 630, SIGN, FLAT SHEET**

THESE ITEMS ARE FOR INSTALLTION OF HANDICAP SIGNING IN THE PROPOSED PARKING STALL LOCATIONS IN THE GOLF COURSE AND LODGE PARKING LOTS. THE SIGNS SHALL BE INSTALLED PER TC-41.20 AND PLACED AT A MINIMUM OF 5' ABOVE THE PAVEMENT. SEE SHEETS 19-20 FOR DETAILS. THE FOLLOWING ITEMS HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 630, GROUND MOUNTED SUPPORT, NO. 3 POST: 108 FT.
ITEM 630, SIGN, FLAT SHEET: 14 SQ. FT.

ITEM 653, TOPSOIL FURNISHED AND PLACED, AS PER PLAN

ON-SITE TOPSOIL MEETING THE REQUIREMENTS OF CMS 659.05 IS ALLOWED FOR USE ON THIS PROJECT, AS DIRECTED BY THE ENGINEER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS WHERE ITEM 659, SEEDING AND MULCHING, CLASS 1 IS BEING USED IN THE PLANS.

ITEM 659, SOIL ANALYSIS TEST: 2 EACH

ITEM 659, REPAIR SEEDING AND MULCHING: 842 SQ. YD.

ITEM 659, INTER-SEEDING: 842 SQ. YD.

ITEM 659, COMMERCIAL FERTILIZER: 2.35 TON

ITEM 659, LIME: 3.48 ACRES

ITEM 659, WATER: 93 M. GAL.

**ITEM SPECIAL, PARKING BLOCK REMOVED AND RESET
ITEM SPECIAL, PARKING BLOCK REMOVED FOR STORAGE**

ALL CONCRETE PARKING BLOCKS WITHIN THE AREAS TO BE PAVED SHALL BE REMOVED PRIOR TO PAVING AND RESET AFTER PAVING IS COMPLETE. THE STEEL PINS HOLDING BLOCKS IN PLACE SHALL BE REMOVED AND REPLACED WITH NEW PINS AFTER RESETTING PARKING BLOCKS. OLD PINS SHALL BE DISPOSED OF BY THE CONTRACTOR. EXTREME CARE SHALL BE TAKEN WHEN REMOVING AND RESETTING PARKING BLOCKS SO AS NOT TO CAUSE DAMAGE TO BLOCKS. ANY BLOCKS DAMAGED DURING THE REMOVAL OR RESETTING PROCESS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

ANY PARKING BLOCKS NOT NEEDING TO BE RESET SHALL BE STORED ON SITE AT A LOCATION APPROVED BY THE PARK TO BE USED FOR FUTURE USE.

ALL MATERIAL, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR ITEM SPECIAL, PARKING BLOCK REMOVED AND RESET.

CALCULATED
LIME
CHECKED
JSL

GENERAL NOTES

GUE SALT FORK
RESURFACING FY20

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SHEET TOTALS													PLAN SPLIT	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
3	4	5	6	7	8	9	10	11	12	13	21	22	01/NFP/PV/ODNR						
														ROADWAY					
		45	145	295					3,884	134			4,503	202	23500	4,503	SY	WEARING COURSE REMOVED	
		40	113	162	483								798	SPECIAL	20253010	798	EACH	PARKING BLOCK REMOVED AND RESET	
				51									51	SPECIAL	20253020	51	EACH	PARKING BLOCK REMOVED FOR STORAGE	
				130									130	202	32000	130	FT	CURB REMOVED	
				260									260	203	10000	260	CY	EXCAVATION	
				130									130	203	20000	130	CY	EMBANKMENT	
7,600													7,600	209	10001	7,600	FT	DITCH CLEANOUT, AS PER PLAN	3
				130									130	609	24510	130	FT	CURB, TYPE 4-C	
				5									5	613	41300	5	CY	LOW STRENGTH MORTAR BACKFILL (TYPE 2)	
														EROSION CONTROL					
20													20	601	32200	20	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
365													365	601	34300	365	CY	ROCK CHANNEL PROTECTION, TYPE D WITHOUT FILTER	
				130				973					1,103	653	10001	1,103	CY	TOPSOIL FURNISHED AND PLACED, AS PER PLAN	3
2													2	659	00100	2	EACH	SOIL ANALYSIS TEST	
325				1,164				15,566					17,055	659	00500	17,055	SY	SEEDING AND MULCHING, CLASS 1	
842													842	659	14000	842	SY	REPAIR SEEDING AND MULCHING	
842													842	659	15000	842	SY	INTER-SEEDING	
2.35													2.35	659	20000	2.35	TON	COMMERCIAL FERTILIZER	
3.48													3.48	659	31000	3.48	ACRE	LIME	
93													93	659	35000	93	MGAL	WATER	
													5,000	832	30000	5,000	EACH	EROSION CONTROL	
														DRAINAGE					
				1	5								6	611	98630	6	EACH	CATCH BASIN ADJUSTED TO GRADE	
														PAVEMENT					
250													250	253	02000	250	CY	PAVEMENT REPAIR	
						16,565							16,565	254	01000	16,565	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
						2,423							2,423	254	01000	2,423	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2.25"	
						18,440			311	11			18,762	407	20000	18,762	GAL	NON-TRACKING TACK COAT	
							6,082		21				6,103	411	10001	6,103	CY	STABILIZED CRUSHED AGGREGATE, AS PER PLAN	3
							10,017						10,017	422	11000	10,017	SY	AGGREGATE, SINGLE CHIP SEAL, TYPE A	
							3,707						3,707	422	25000	3,707	GAL	EMULSION, CHIP SEAL	
						2,448			145				2,593	441	50000	2,593	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
						3,420				5			3,425	441	50100	3,425	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
						2,736							2,736	441	50200	2,736	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
										48			48	516	31011	48	FT	2" DEEP JOINT SEALER, AS PER PLAN	3

CALCULATED LIME CHECKED JSL
GENERAL SUMMARY
GUE SALT FORK RESURFACING FY20
 23
 24