

SUMMARY OF REMOVAL ITEMS														
LOCATION	104 6001	104 6009	104 6022	104 6036	496 6004	105 6011	644 6076	677 6001	677 6003	677 6005	677 6007	677 6008	677 6009	677 6012
	REMOVING CONC (PAV)	REMOVING CONC (RIPRAP)	REMOVING CONC (CURB AND GUTTER)	REMOVING CONC (SIDEWALK OR RAMP)	REMOV STR (SET)	REMOVING STAB BASE AND ASPH PAV (2"-6")	REMOVE SM RD SN SUP&AM	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (8")	ELIM EXT PAV MRK & MRKS (12")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (ARROW)	ELIM EXT PAV MRK & MRKS (DBL ARROW)	ELIM EXT PAV MRK & MRKS (WORD)
	SY	SY	LF	SY	EA	SY	EA	LF	LF	LF	LF	EA	EA	EA
REMOVAL LAYOUT SHEET 1 OF 1	415		668	66	3	120		11	141		364	1		1
PROJECT TOTALS	415		668	66	3	120		11	141		364	1		1

SUMMARY OF PAVEMENT MARKING ITEMS														
LOCATION	666 6030	666 6036	666 6048	666 6300	666 6303	666 6315	668 6019	668 6020	668 6027	672 6007	672 6009	672 6010	644 6068	644 6070
	REFL PAV MRK TY I (W) 8" (DOT) (120MIL)	REFL PAV MRK TY I (W) 8" (SLD) (120MIL)	REFL PAV MRK TY I (W) 24" (SLD) (120MIL)	RE PM W/RET REQ TY I (W) 4" (BRK) (120MIL)	RE PM W/RET REQ TY I (W) 4" (SLD) (120MIL)	RE PM W/RET REQ TY I (Y) 4" (SLD) (120MIL)	PREFAB PAV MRK TY B (W) (ARROW)	PREFAB PAV MRK TY B (W) (DBL ARROW)	PREFAB PAV MRK TY B (W) (WORD)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A	REFL PAV MRKR TY II-C-R	RELOCATE SM RD SN SUP&AM TY 10BWG	RELOCATE SM RD SN SUP&AM TY S80
	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
	SIGNING AND PAVEMENT MARKING LAYOUT SHEET 1 OF 1	120	390	1,047	165	0	900	3	2	3	35	22	0	1
PROJECT TOTALS	120	390	1,047	165		900	3	2	3	35	22		1	3

SUMMARY OF DRAINAGE ITEMS		
LOCATION	462 6003	467 6133
	CONC BOX CULV (4FT X 2 FT)	SET (TY I) (S= 4FT) (HW= 2FT) (4:1) (P)
	LF	EA
DRAINAGE ITEMS SHEET 1 OF 1	45	3
PROJECT TOTALS	45	3

SUMMARY OF ROADWAY ITEMS																			
LOCATION	110 6001	132 6001	150 6002	247 6041	260 6002	260 6027	310 6005	316 6001	316 6224	341 6008	341 6031	354 6045	529 6008	530 6001	530 6004	531 6002	531 6004	531 6013	5001 6001
	EXCAVATION (ROADWAY)	EMBANKMENT (FINAL) (O RD COMP) (TY A)	BLADING	FL BS (CMP IN PLC) (TYA GR1-2) (F NAL POS)	LIME (HYDRATED LIME (SLURRY))	LIME TRT (EXST MATL) (8")	PRIME COAT (AE-P)	ASPH (MULTI OPTION)	AGGR (TY-P B GR-4 SAC-B)	D-GR HMA TY-B PG64-22	D-GR HMA TY-C PG76-22	PLANE ASPH CONC PAV (2")	CONC CURB & GUTTER (TY II)	INTERSECT IONS (CONC)	DRIVEWAY S (CONC)	CONC SIDEWAL KS (5")	CURB RAMPS (TY I)	CURB RAMPS (TY 10)	GEOGRID BASE REINFORC EMENT (TY I)
	CY	CY	HR	CY	TON	SY	GAL	GAL	CY	TON	TON	SY	LF	SY	SY	SY	EA	EA	SY
	ROADWAY ITEMS SHEET 1 OF 1	685	667	25	520	25	1,511	236	331	9	156	467	3,304	511	72	289	296	4	2
PROJECT TOTALS	685	667	25	520	25	1511	236	331	9	156	467	3304	511	72	289	296	4	2	1511

SUMMARY OF EROSION CONTROL ITEMS								
LOCATION	160 6003	164 6027	168 6001	506 6002	506 6041	506 6043	506 6038	506 6039
	FURNISHING AND PLACING TOPSOIL (4")	CELL FBR MLCH SEED (PER M) (URBAN) (CLAY)	VEGETATIVE WATERING	ROCK FILTER DAMS (INSTALL) (TY 2)	BIODEG EROSN CONT LOGS (INSTL) (12")	BIODEG EROSN CONT LOGS (REMOVE)	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)
	SY	SY	MG	LF	LF	LF	LF	LF
SW3P SHEET 1 OF 1	803	803	0.0161	70	500	500	50	50
PROJECT TOTALS	803	803	0.0161	70	500	500	50	50

SUMMARY OF WORKZONE TRAFFIC CONTROL ITEMS	
LOCATION	662 6095
	WK ZN PAV MRK REMOV (Y) 4" (SLD)
	LF
TRAFFIC CONTROL PLAN SHEET 1 OF 1	136
PROJECT TOTALS	136

BASIS OF ESTIMATE **					
Item No.	Description	Usage	Area	Rate	Estimated Quantity
150	Blading		6.46 STA	3.9 HR/STA	25 HR
168	Vegetative Watering	Side Slope	803 SY	20 GAL/SY	16.1 MG*
310	Prime Coat	Asphalt	3304 SY	0.3 GAL/SY	826 GAL
316	Seal Coat	Asphalt	946 SY	0.4 GAL/SY	331 GAL
316	Seal Coat	Aggregate	946 SY	100 CY/SY	9 CY
341	HMA	Surface Course	4250 SY	220 LB/SY	467 TON
341	HMA	Base	946 SY	330 LB/SY	156 TON
* 1 MG = 1000 gallons per TxDOT					
** FOR CONTRACTOR'S INFORMATION ONLY					

REV. NO.	DATE	DESCRIPTION	BY
	02/14/2017	BASIS OF EST AND ROADWAY	MDV
	01/11/2017	BASIS OF EST AND ROADWAY	MCC

LJA Engineering, Inc. 
FRN-F-1386



SOUTHLAND BOULEVARD

SUMMARY OF QUANTITIES