

County : Richmond

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0004	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUB- BING	2 ACR		
0005	0022000000-E	225	UNCLASSIFIED EXCAVATION	41,200 CY		
0006	0036000000-E	225	UNDERCUT EXCAVATION	3,000 CY		
0007	0106000000-E	230	BORROW EXCAVATION	73,100 CY		
0008	0134000000-E	240	DRAINAGE DITCH EXCAVATION	90 CY		
0009	0141000000-E	240	BERM DITCH CONSTRUCTION	1,330 LF		
0010	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	10,200 SY		
0011	0192000000-N	260	PROOF ROLLING	10 HR		
0012	0195000000-E	265	SELECT GRANULAR MATERIAL	1,000 CY		
0013	0196000000-E	270	FABRIC FOR SOIL STABILIZATION	7,500 SY		
0014	0248000000-N	SP	GENERIC GRADING ITEM HAZARDOUS SPILL BASIN	Lump Sum	L.S.	
0015	0255000000-E	SP	GENERIC GRADING ITEM EXCAVATION, HAULING & DISPOSAL OF CONTAMINATED SOIL	200 TON		
0016	0318000000-E	300	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	4,151 TON		
0017	0343000000-E	310	15" SIDE DRAIN PIPE	264 LF		
0018	0344000000-E	310	18" SIDE DRAIN PIPE	108 LF		
0019	0345000000-E	310	24" SIDE DRAIN PIPE	24 LF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
002C	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	624 LF		
0021	0390000000-E	310	36" RC PIPE CULVERTS, CLASS III	52 LF		
0022	0708000000-E	310	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	272 LF		
0023	0714000000-E	310	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	40 LF		
0024	0995000000-E	340	PIPE REMOVAL	2,814 LF		
0025	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0026	1110000000-E	510	STABILIZER AGGREGATE	1,000 TON		
0027	1121000000-E	520	AGGREGATE BASE COURSE	520 TON		
002E	1220000000-E	545	INCIDENTAL STONE BASE	2,000 TON		
002E	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	2,150 TON		
003C	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	25,940 TON		
0031	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	21,975 TON		
0032	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1,660 TON		
0033	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	22,320 TON		
0034	1525000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	185 TON		
003E	1560000000-E	620	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	2,355 TON		
003E	1565000000-E	620	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	1,340 TON		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0037	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	832 TON		
003E	2022000000-E	815	SUBDRAIN EXCAVATION	302.4 CY		
003E	2033000000-E	815	SUBDRAIN FINE AGGREGATE	151.2 CY		
004C	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	900 LF		
0041	2055000000-E	815	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	27 EA		
0042	2077000000-E	815	6" OUTLET PIPE (SUBDRAINS)	12 LF		
0043	2132000000-N	816	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	2 EA		
0044	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	10 EA		
004E	2253000000-E	840	PIPE COLLARS	3.2 CY		
004E	2275000000-E	SP	FLOWABLE FILL	19 CY		
0047	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	224 EA		
004E	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	96.55 LF		
004E	2354200000-N	840	FRAME WITH GRATE, STD 840.24	14 EA		
005C	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	51 EA		
0051	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	19 EA		
0052	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	62 EA		
0053	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	61 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0054	2396000000-N	840	FRAME WITH COVER, STD 840.54	18 EA		
005E	2535000000-E	846	***X *** CONCRETE CURB (9" X 12")	280 LF		
005E	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	12,120 LF		
0057	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	28,240 LF		
005E	2591000000-E	848	4" CONCRETE SIDEWALK	10,700 SY		
005E	2605000000-N	848	CONCRETE WHEELCHAIR RAMPS	75 EA		
006C	2612000000-E	848	6" CONCRETE DRIVEWAY	2,820 SY		
0061	2619000000-E	850	4" CONCRETE PAVED DITCH	11 SY		
0062	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	2,690 SY		
006E	2830000000-N	858	ADJUSTMENT OF MANHOLES	19 EA		
0064	2905000000-N	859	CONVERT EXISTING DROP INLET TO JUNCTION BOX	1 EA		
006E	2920000000-N	SP	CONVERT EXISTING DROP INLET TO CATCH BASIN	1 EA		
006E	3030000000-E	862	STEEL BM GUARDRAIL	1,500 LF		
0067	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
006E	3210000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	6 EA		
006E	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	6 EA		
007C	3533000000-E	866	CHAIN LINK FENCE, *** FABRIC (72")	1,710 LF		
0071	3539000000-E	866	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")	184 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0072	3545000000-E	866	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")	15 EA		
0073	3554000000-E	866	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (72")	6 EA		
0074	3557000000-E	866	ADDITIONAL BARBED WIRE	100 LF		
0075	3565000000-E	866	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (72", 8', 16')	3 EA		
0076	3580000000-E	866	GENERIC FENCING ITEM CHAIN LINK FENCE, 72" FABRIC WITH BARBED WIRE	480 LF		
0077	3628000000-E	876	RIP RAP, CLASS I	88 TON		
0078	3649000000-E	876	RIP RAP, CLASS B	76 TON		
0079	3656000000-E	876	FILTER FABRIC FOR DRAINAGE	2,675 SY		
008C	3659000000-N	SP	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	8 EA		
0081	4048000000-E	902	REINFORCED CONCRETE SIGN FOUN- DATIONS	1 CY		
0082	4060000000-E	903	SUPPORTS, BREAKAWAY STEEL BEAM	738 LB		
0083	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1,978 LF		
0084	4096000000-N	904	SIGN ERECTION, TYPE D	1 EA		
008E	4102000000-N	904	SIGN ERECTION, TYPE E	114 EA		
0086	4108000000-N	904	SIGN ERECTION, TYPE F	14 EA		
0087	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	1 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
008E	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	5 EA		
008E	4116100000-N	904	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	3 EA		
009C	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	77 EA		
0091	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	3 EA		
0092	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	2,959 SF		
0093	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	384 SF		
0094	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	354 SF		
009E	4415000000-N	1115	FLASHING ARROW PANELS, TYPE C	1 EA		
009E	4420000000-N	1120	CHANGEABLE MESSAGE SIGN	2 EA		
0097	4430000000-N	1130	DRUMS	601 EA		
009E	4435000000-N	1135	CONES	65 EA		
009E	4445000000-E	1145	BARRICADES (TYPE III)	704 LF		
010C	4450000000-N	1150	FLAGGER	6,000 HR		
0101	4480000000-N	1165	TMIA	2 EA		
0102	4507000000-E	SP	WATER FILLED BARRIER	3,860 LF		
0103	4508000000-E	SP	RESET WATER FILLED BARRIER	4,146 LF		
0104	4510000000-N	SP	POLICE	480 HR		
010E	4516000000-N	1180	SKINNY DRUM	130 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
010E	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	1,368 EA		
0107	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	137,593 LF		
010E	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	1,750 LF		
010E	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	1,540 LF		
011C	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	192 EA		
0111	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	143 EA		
0112	4847000000-E	1205	POLYUREA PAVEMENT MARKING LINES (4", *****) (STANDARD GLASS BEADS)	38,550 LF		
0113	4847110000-E	1205	POLYUREA PAVEMENT MARKING LINES (8", *****) (STANDARD GLASS BEADS)	675 LF		
0114	4847140000-E	1205	POLYUREA PAVEMENT MARKING LINES (24", *****) (STANDARD GLASS BEADS)	1,077 LF		
011E	4847200000-N	1205	POLYUREA PAVEMENT MARKING CHARACTER (*****) (STANDARD GLASS BEADS)	12 EA		
011E	4847220000-N	1205	POLYUREA PAVEMENT MARKING SYMBOL (*****) (STANDARD GLASS BEADS)	130 EA		
0117	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	18,000 LF		
011E	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	200 LF		
011E	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	200 LF		
012C	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	20 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0121	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	1,233	EA	
0122	5325000000-E	1510	*** WATER LINE (14")	727	LF	
0123	5325200000-E	1510	2" WATER LINE	5	LF	
0124	5325600000-E	1510	6" WATER LINE	3,975	LF	
0125	5325800000-E	1510	8" WATER LINE	175	LF	
0126	5326000000-E	1510	10" WATER LINE	1,170	LF	
0127	5326200000-E	1510	12" WATER LINE	15,344	LF	
0128	5534000000-E	1515	*** VALVE (14")	1	EA	
0129	5536000000-E	1515	2" VALVE	1	EA	
0130	5540000000-E	1515	6" VALVE	15	EA	
0131	5546000000-E	1515	8" VALVE	5	EA	
0132	5552000000-E	1515	10" VALVE	3	EA	
0133	5558000000-E	1515	12" VALVE	9	EA	
0134	5648000000-N	1515	RELOCATE WATER METER	78	EA	
0135	5649000000-N	1515	RECONNECT WATER METER	6	EA	
0136	5666000000-E	1515	FIRE HYDRANT	1	EA	
0137	5672000000-N	1515	RELOCATE FIRE HYDRANT	12	EA	
0138	5678800000-E	1515	10" LINE STOP	2	EA	
0139	5691300000-E	1520	8" SANITARY GRAVITY SEWER	570	LF	
0140	5709400000-E	1520	8" FORCE MAIN SEWER	495	LF	

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0141	5768000000-N	1520	SANITARY SEWER CLEAN-OUT	30 EA		
0142	5775000000-E	1525	4' DIA UTILITY MANHOLE	3 EA		
0143	5781000000-E	1525	UTILITY MANHOLE WALL, 4' DIA	6 LF		
0144	5800000000-E	1530	ABANDON 6" UTILITY PIPE	2,915 LF		
0145	5801000000-E	1530	ABANDON 8" UTILITY PIPE	3,157 LF		
0146	5802000000-E	1530	ABANDON 10" UTILITY PIPE	1,075 LF		
0147	5804000000-E	1530	ABANDON 12" UTILITY PIPE	12,250 LF		
0148	5805000000-E	1530	ABANDON 14" UTILITY PIPE	729 LF		
0149	5815000000-N	1530	REMOVE WATER METER	3 EA		
0150	5828000000-N	1530	REMOVE UTILITY MANHOLE	1 EA		
0151	5882000000-N	SP	GENERIC UTILITY ITEM REMOVE UTILITY VAULT	1 EA		
0152	6000000000-E	1605	TEMPORARY SILT FENCE	9,395 LF		
0153	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	3,600 TON		
0154	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	3,155 TON		
0155	6012000000-E	1610	SEDIMENT CONTROL STONE	4,460 TON		
0156	6015000000-E	1615	TEMPORARY MULCHING	59 ACR		
0157	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	2,100 LB		
0158	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	8.5 TON		
0159	6024000000-E	1622	TEMPORARY SLOPE DRAINS	505 LF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
016C	6027000000-N	1622	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	16	EA	
0161	6029000000-E	SP	SAFETY FENCE	500	LF	
0162	6030000000-E	1630	SILT EXCAVATION	14,770	CY	
0163	6036000000-E	1631	MATTING FOR EROSION CONTROL	12,100	SY	
0164	6037000000-E	SP	COIR FIBER MAT	55	SY	
0165	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	910	SY	
0166	6042000000-E	1632	1/4" HARDWARE CLOTH	4,295	LF	
0167	6071030000-E	SP	COIR FIBER BAFFLES	2,700	LF	
0168	6071050000-E	SP	*** SKIMMER (1-1/2")	6	EA	
0169	6071050000-E	SP	*** SKIMMER (2")	1	EA	
017C	6071050000-E	SP	*** SKIMMER (2-1/2")	2	EA	
0171	6084000000-E	1660	SEEDING & MULCHING	60.5	ACR	
0172	6087000000-E	1660	MOWING	35	ACR	
0173	6090000000-E	1661	SEED FOR REPAIR SEEDING	550	LB	
0174	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	1.25	TON	
0175	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	1,400	LB	
0176	6108000000-E	1665	FERTILIZER TOPDRESSING	45.5	TON	
0177	6114000000-N	SP	SPECIALIZED HAND MOWING	3.5	HR	
017E	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	36	EA	

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0179	7060000000-E	1705	SIGNAL CABLE	1,620 LF		
018C	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	18 EA		
0181	7264000000-E	1710	MESSENGER CABLE (3/8")	1,100 LF		
0182	7300000000-E	1715	UNPAVED TRENCHING (*****) (2 CONDUITS, 2")	1,030 LF		
0183	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	10 EA		
0184	7360000000-N	1720	WOOD POLE	4 EA		
018E	7372000000-N	1721	GUY ASSEMBLY	8 EA		
0186	7408000000-E	1722	1" RISER WITH WEATHERHEAD	1 EA		
0187	7420000000-E	1722	2" RISER WITH WEATHERHEAD	4 EA		
018E	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	4,160 LF		
0189	7456000000-E	1726	LEAD-IN CABLE (*****) (18-2)	1,990 LF		
019C	7456000000-E	1726	LEAD-IN CABLE (*****) (18-4)	1,350 LF		
0191	7576000000-N	SP	METAL STRAIN SIGNAL POLE	4 EA		
0192	7613000000-N	SP	SOIL TEST	4 EA		
0193	7614100000-E	SP	DRILLED PIER FOUNDATION	24 CY		
0194	7684000000-N	1750	SIGNAL CABINET FOUNDATION	1 EA		
019E	7756000000-N	1751	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	1 EA		
0196	7780000000-N	1751	DETECTOR CARD (TYPE 2070L)	9 EA		
0197	7901000000-N	1753	CABINET BASE EXTENDER	1 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
019E	8802012000-E	SP	PILE PANEL RETAINING WALLS	3,653	SF	

***** BEGIN SCHEDULE AA *****
 ***** (3 ALTERNATES) *****

019E AA1	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	10,528	LF	
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020C AA1	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	2,908	LF	
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0201 AA1	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	1,820	LF	
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*** OR ***

0202 AA2	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	9,364	LF	
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020E AA2	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	2,704	LF	
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0204 AA2	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	1,628	LF	
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020E AA2	0536000000-E	SP	**** HDPE PIPE CULVERTS (15")	1,164	LF	
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020E AA2	0536000000-E	SP	**** HDPE PIPE CULVERTS (18")	204	LF	
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0207 AA2	0536000000-E	SP	**** HDPE PIPE CULVERTS (24")	192	LF	
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*** OR ***

020E AA3	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	9,364	LF	
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020E AA3	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	2,704	LF	
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021C AA3	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	1,628	LF	
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0211 AA3	0540000000-E	SP	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (15", 0.064")	1,164	LF	
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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0212 AA3	0540000000-E	SP	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (18", 0.064")	204 LF		
0213 AA3	0540000000-E	SP	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (24", 0.064")	192 LF		

***** END SCHEDULE AA *****

0757/Nov07/Q683672.6/D818355062000/E213

Total Amount Of Bid For Entire Project :

Contract No: C201685

County: Richmond

ACCEPTED BY THE
DEPARTMENT OF TRANSPORTATION

Contract Officer

Date

Execution of Contract and Bonds
Approved as to Form:

Attorney General