

SUMMARY OF QUANTITIES				
ITEM	UNIT	TOTAL QUANTITIES	I-74 EB & MORTON AVE	I-74 WB & MORTON AVE
SIGN PANEL - TYPE 1	SQ FT	10	10	
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	3,129	1269	1,860
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	200	181	19
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	433	162	271
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	13	8	5
HEAVY-DUTY HANDHOLE, PORTLAND CEMENT	EACH	1		1
DOUBLE HANDHOLE, PORTLAND CEMENT	EACH	2	1	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,831	1024	807
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,566	1,106	1,460
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	893	784	109
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2,627	1,280	1,347
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 20 3C	FOOT	913	449	464
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	5	3	2
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1	1	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 20 FT. AND 36 FT.	EACH	1		1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 36 FT.	EACH	1	1	
CONCRETE FOUNDATION, TYPE A	FOOT	15	9	6
CONCRETE FOUNDATION, TYPE D	FOOT	7	3.5	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	39	14	25
CONCRETE FOUNDATION, TYPE E 42-INCH	FOOT	21	21	
DRILL EXISTING HANDHOLE	EACH	1		1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12	7	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	2	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	2	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	19	12	7
INDUCTIVE LOOP DETECTOR	EACH	15	9	6
DETECTOR LOOP, TYPE I	FOOT	1,444	906	538
LIGHT DETECTOR	EACH	4	2	2
LIGHT DETECTOR AMPLIFIER	EACH	2	1	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	2	1	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1	1	

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE I-74 EB AND MORTON AVE					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	CHANNELS REQUIRED
D-2A	6' X 6'	24	37	2	1
D-2B	6' X 6'	24	25	2	1
D-2C	6' X 6'	24	13	2	1
D-6A	6' X 6'	24	14	6	1
D-6B	6' X 6'	24	3	6	1
D-7A	6' X 50' QUAD	162	14	7	1
D-7B	6' X 50' QUAD	162	4	7	1
D-5A	6' X 50' QUAD	162	20	5	1
D-5B	6' X 50' QUAD	162	8	5	1
TOTAL:		768	138		9

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE I-74 WB AND MORTON AVE					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	CHANNELS REQUIRED
D-2A	6' X 6'	24	15	2	1
D-2B	6' X 6'	24	4	2	1
D-3A	6' X 50' QUAD	162	65	3	1
D-3B	6' X 50' QUAD	162	14	3	1
D-6A	6' X 6'	24	15	6	1
D-6B	6' X 6'	24	5	6	1
TOTAL:		420	118		6

SCHEDULE OF SIGNAL HEADS I-74 EB AND MORTON AVE			
QTY.	UNIT	ITEM	LOCATION
2	EACH	SH, LED, 1F, 3-SEC, BM	9,12
7	EACH	SH, LED, 1F, 3-SEC, MAM	1,2,3,4,10,11,13
2	EACH	SH, LED, 1F, 4-SEC, BM	5,7
2	EACH	SH, LED, 1F, 5-SEC, BM	6,8
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED	1,2,3,4,5,6,7,8,9,10,11,13

SCHEDULE OF SIGNAL HEADS I-74 WB AND MORTON AVE			
QTY.	UNIT	ITEM	LOCATION
3	EACH	SH, LED, 1F, 3-SEC, BM	3,7,9
5	EACH	SH, LED, 1F, 3-SEC, MAM	1,2,5,6,8
1	EACH	SH, LED, 1F, 4-SEC, BM	4
7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED	1,2,4,5,6,8,9

SCHEDULE OF POST & MAST ARM ASSEMBLIES I-74 EB AND MORTON AVE				
REF.	LOCATION	TYPE	LENGTH	FOUNDATION DEPTH
MA-1	NORTHEAST QUADRANT	S C MAA & P DMA	48.0 FT.	14.0 FT.
	NORTHEAST QUADRANT	S C MAA & P DMA	36.0 FT.	
MA-2	SOUTHWEST QUADRANT	S MAA & P	60.0 FT.	21.0 FT.
TSP-1	EAST ISLAND	TS POST GALVS 15	15.0 FT.	3.0 FT.
TSP-2	SOUTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.
TSP-3	SOUTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.

SCHEDULE OF POST & MAST ARM ASSEMBLIES I-74 WB AND MORTON AVE				
REF.	LOCATION	TYPE	LENGTH	FOUNDATION DEPTH
MA-1	NORTHEAST QUADRANT	S C MAA & P	46.0 FT.	13.0 FT.
MA-2	SOUTHWEST QUADRANT	S MAA & P DMA	36.0 FT.	12.0 FT.
	SOUTHWEST QUADRANT	S MAA & P DMA	20.0 FT.	
TSP-1	EAST ISLAND	TS POST GALVS 15	15.0 FT.	3.0 FT.
TSP-2	NORTH MEDIAN	TS POST GALVS 15	15.0 FT.	3.0 FT.

SCHEDULE OF HANDHOLE QUANTITIES I-74 EB AND MORTON AVE		
REF.	LOCATION	TYPE
DHH-1	SOUTHWEST QUADRANT	DOUBLE
HH-2	NORTHEAST QUADRANT	STANDARD
HH-3	EAST ISLAND	STANDARD
HH-4	SOUTH MEDIAN	STANDARD
HH-5	SOUTHBOUND ADV. LOOPS	STANDARD
HH-6	ADJACENT TO I-74 WB	STANDARD
HH-7	ADJACENT TO I-74 EB	STANDARD
HH-8	NORTHWEST QUADRANT	STANDARD
HH-9	NORTHBOUND ADV. LOOPS	STANDARD

SCHEDULE OF HANDHOLE QUANTITIES I-74 WB AND MORTON AVE		
REF.	LOCATION	TYPE
DHH-1	NORTHEAST QUADRANT	DOUBLE
HH-2	SOUTHWEST QUADRANT	STANDARD
HH-3	EAST ISLAND	STANDARD
HH-4	NORTH MEDIAN	STANDARD
HH-5	SOUTHBOUND ADV. LOOPS	HEAVY DUTY
HH-6	NORTHBOUND ADV. LOOPS	STANDARD
HH-7	SOUTHEAST QUADRANT	STANDARD