



MATCHLINE SEE I125

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NOTES:

- CAMERA AND ILLUMINATOR CABLE BY MANUFACTURER. ILLUMINATOR IS POWERED AND CONTROLLED BY CAMERA.
- CONTRACTOR SHALL PULL ALL AVI ANTENNA CABLES THROUGH NEW 4" GOOSE NECK TO NEW GANTRY AVI CABINET AND COIL 3' FOR TCS INTEGRATOR TO TERMINATE. GANTRY AVI CABINET LOCATION VARIES BY SITE. SEE PLAN FOR LOCATION.
- CONTRACTOR TO PROVIDE GROUND ROD PER OHIO STANDARDS FOR TERMINATION BY TCS INTEGRATOR.
- CONTRACTOR SHALL COIL UP 5'-0" OF CABLE IN GROUND CABINETS FOR TCS TERMINATION.
- CONTRACTOR SHALL COIL UP 15'-0" OF CABLE IN TOLL BOOTH FOR ROUTING BY TCS INTEGRATOR.
- ALL WIRE SHALL BE INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE AND TERMINATED AND TESTED BY THE TCS INTEGRATOR.
- ANY WIRE THAT IS DAMAGED DURING OR AFTER BEING INSTALLED AND DOES NOT TEST CORRECTLY SHALL BE RE-INSTALLED BY THE CONTRACTOR AT NO COST TO THE COMMISSION.
- COIL 5'-0" OF EQUIPMENT CABLE AT EACH EQUIPMENT LOCATIONS, EQUIPMENT ENCLOSURES AND HANDHOLES UNLESS CALLED OUT OTHERWISE.
- COIL 12'-0" OF EQUIPMENT CABLE AT THE PATRON FARE DISPLAY AND THE VES FRONT CAMERA POLE.
- PAVEMENT SAWING FOR LOOPS AND PEIZOS IN THE ORT LANES SHALL BE PERFORMED BY THE CONTRACTOR. THE WIRE FROM CABINET TO PULL BOX AND THE LOOPS AND PEIZOS SHALL BE INSTALLED AND SEALED BY THE TCS INTEGRATOR.
- CAMERA CABLE SHALL BE PROVIDED AND INSTALLED BY TCS INTEGRATOR.
- THE CONTRACTOR SHALL PROVIDE 208V POWER TO EACH TOLL BOOTH ELECTRICAL DISTRIBUTION PANEL.
- DYNAMIC MESSAGE SIGNS SHALL HAVE 208V SUPPLIED BY BLDG ELECT ROOM.
- ATPM POWER & COMMS SHALL BE ROUTED THROUGH TOLL BOOTH USING PVC CONDUIT OR EMT.
- UPS IN TOLL BOOTH FOR LANE ELECTRONICS CABINET AND TOLL COLLECTOR INTERFACE SHALL BE APC SMART UPS750 (SM750C)
- CONTRACTOR TO ROUTE (1) CAT6 CABLE FROM COMMS ROOM TO ENTRY DVAS POLE AND (2) CAT6 CABLE TO EB ORT AVI CABINET.
- CONTRACTOR TO ROUTE UPS POWER TO ATPM FROM BLDG COMMS ROOM UPS PANEL. BLDG UPS SHALL BE APC SMART UPS 8000KVA PROVIDED AND INSTALLED BY TCS INTEGRATOR.
- CONTRACTOR TO ROUTE (1) CAT6 FROM DMS TO DM100 CONTROLLER MOUNTED ON WALL.
- CONTRACTOR TO ROUTE #18 7C FROM LANE ELECTRONIC CABINET TO NEW OR EXISTING WALL CONTROL SWITCH PROVIDED AND INSTALLED BY TCS INTEGRATOR.

1 ENTRY LANE CABLE SCHEDULE  
1124 SCALE: N.T.S.

EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	PROVIDER	INSTALLER
1	DYNAMIC MESSAGING SIGN	*	*
2	LCS	*	*
3	REAR VES CAMERA WITH ILLUMINATOR	*	*
4	FRONT VES CAMERA WITH ILLUMINATOR	*	*
5	EXIST GATE	*	*
6	PIEZO STRIPA	*	*
7	AVI ANTENNA	*	*
8	LIDAR	*	*
9	PDMS	*	*
10	LANE ELECTRONIC CABINET	*	*
11	TOLL COLLECTOR INTERFACE	*	*
12	AVI CABINET	*	**
13	ATPM	*	*
14	DATIM	*	*
15	BARRIER GATE	*	*

\* BY TCS INTEGRATOR  
\*\* CONTRACTOR

CABLE SCHEDULE

TYPE	PROVIDER	INSTALLER	DESCRIPTION	MANUFACTURER	PART NUMBER
1	*	*	IMSA 51-7 #14 STRANDED LOOP DETECTOR WIRE	ADVANCED CABLE	35LC-1401-XHHW-PE
2	*	*	PIEZO INTEGRATED CABLE	IRD	PROPRIETARY
3	*	**	NOT USED	-	-
4	**	**	IMSA 50-2 #14 STRANDED LOOP LEAD WIRE	ADVANCED CABLE	2J-1402
5	**	**	CAT6 SHIELDED OUTDOOR ETHERNET CABLE	PRIMUM CABLE	C6CMXE-5365BK
6	**	**	#18 AWG STRANDED 6 CONDUCTOR	OMNI CABLE	D91805
7	*	**	ANTENNA COAX CABLE LMR-600	TIMES MICROWAVE	LMR600-DB
8	**	**	#12 AWG STRANDED 3 CONDUCTOR (POWER AND GROUND) 120V	SEE DIV. 26000 SPEC	-
9	**	**	VES CAMERA COMPOSITE CABLE BY MANUFACTURER (NOTE 1) 24VDC	JAI	10016435
10	**	**	#12 AWG 3 CONDUCTOR (POWER AND GROUND) 120V (UPS)	SEE DIV. 26000 SPEC	-
11	**	**	#6 AWG 5 CONDUCTOR (POWER AND GROUND) 208V	SEE DIV. 26000 SPEC	-
12	**	**	#18 AWG STRANDED 8 CONDUCTOR (SIGNAL)	OMMI CABLE	D91808
13	**	**	8 AWG STRANDED 3C POWER & GRD 120V	SEE DIV. 26000 SPEC	-
14	**	**	12 FIBER OPTIC MULTIMODE	OCC	DX012DWL59KR
15	**	**	#18 STRAND AWG 4 CONDUCTOR (POWER AND GROUND) 120V	OMNI CABLE	D91804
16	**	**	BELDEN 8723 (RS422 COMMS)	BELDEN	8723
17	**	**	#12 AWG 5 CONDUCTOR (POWER AND GROUND) 208V	SEE DIV. 26000 SPEC	-

\* BY TCS INTEGRATOR

\*\* CONTRACTOR

# QUANTITY  
# CABLE TYPE