CONDUIT LEGEND

CONDUIT LINE STYLE	CONDUIT TYPE AND MINIMUM SIZE	ALLOWABLE CONDUCTOR TYPE
	DUCT BANK: 1 - 4-MULTI-CONDUIT SYSTEM	FIBER OPTIC CABLES
	DUCT BANK: 2 - 4-MULTI-CONDUIT SYSTEM	FIBER OPTIC CABLES
	DUCT BANK: 4 - 4-MULTI-CONDUIT SYSTEM	FIBER OPTIC CABLES
HV1-1/2 — HV1-1/2	1½" HIGH VOLTAGE CONDUIT	120, 240, OR 480 VAC CONDUCTORS INCLUDING: SIGNAL CONDUCTORS, VMS POWER CONDUCTORS, CAMERA POWER CONDUCTORS OR CAMERA COMPOSITE CABLES
HV2 — HV2	2" HIGH VOLTAGE CONDUIT	
HV3 — HV3	3" HIGH VOLTAGE CONDUIT	
HV4 — HV4	4" HIGH VOLTAGE CONDUIT	
LV1-1/2 — LV1-1/2	1½" LOW VOLTAGE CONDUIT	DETECTOR LOOP LEAD-IN CABLES, VMS CONTROL CABLES, CAMERA CABLES, RWIS CABLES
LV2 — LV2	2" LOW VOLTAGE CONDUIT	
LV3 — LV3	3" LOW VOLTAGE CONDUIT	
LV4 — LV4	4" LOW VOLTAGE CONDUIT	
TAL1-1/2 — TAL1-1/2	1½" TAIL CIRCUIT COMMUNICATIONS CONDUIT	FIBER OPTIC CABLES, COPPER COMM CABLES
TAL2 — TAL2	2" TAIL CIRCUIT COMMUNICATIONS CONDUIT	FIBER OPTIC CABLES, COPPER COMM CABLES
TAL3 — TAL3	3" TAIL CIRCUIT COMMUNICATIONS CONDUIT	FIBER OPTIC CABLES, COPPER COMM CABLES
SPR2 — SPR2	2" SPARE CONDUIT	(EMPTY)
SPR3 — SPR3	3" SPARE CONDUIT	(EMPTY)
SPR4 — SPR4	4" SPARE CONDUIT	(EMPTY)
	BURIED ELECTRIC CONDUIT	POWER CONDUCTORS
	Existing Buried Electric Conduit	(ADD NEW to Existing Conductors as Noted)
	Existing Conduit	(ADD NEW to Existing Conductors as Noted)
	EXISTING DUCT BANK: 1 - 4-MULTI-CONDUIT SYSTEM	
	EXISTING DUCT BANK: 2 - 4-MULTI-CONDUIT SYSTEM	
	EXISTING DUCT BANK: 4 - 4-MULTI-CONDUIT SYSTEM	
PWR1-1/2 — PWR1-1/2	1½" POWER CONDUIT	CONDUCTORS WITH VOLTAGE 120V OR GREATER, USUALLY ONLY BETWEEN POWER SERVICE POINT AND POWER SERVICE PEDESTAL
T/LV3 — T/LV3	3" CONDUIT WITH TWO 1" INNERDUCTS: (ONE 1" TAIL CIRCUIT COMMUNICATIONS INNERDUCT, ONE 1" LOW VOLTAGE INNERDUCT)	FIBER OPTIC CABLES, LOW VOLTAGE CONDUCTORS (SAME AS ABOVE)

NOTE: LOWER-CASE TEXT INDICATES EXISTING CONDUIT

ABBREVIATIONS

ATMS	ADVANCED TRAFFIC MANAGEMENT SYSTEM
CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CCVC	CAMERA CONTROL AND VIDEO CABLE
DLC	DETECTOR LOOP LEAD-IN CABLES
FRE	FIBERGLASS REINFORCED EPOXY
GND	GROUND CONDUCTOR
HDPE	HIGH DENSITY POLYETHYLENE
HFC	HYBRID FIBER CABLE
P	PLASTIC
PC	POLYMER CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PTCC	PAN-TILT CONTROL CABLE
PTZ	PAN / TILT / ZOOM
PWR	POWER
RMS	RAMP METER STATION
ROW	RIGHT-OF-WAY
RWIS	ROADWAY WEATHER INFORMATION SYSTEM
## SMF	SINGLE MODE FIBER (## INDICATES NUMBER OF STRANDS)
TMS	TRAFFIC MONITORING STATION
TSC	TRAFFIC SIGNAL CONTROLLER
VAC	VOLTS (ALTERNATING CURRENT)
VID	VIDEO
VMS	VARIABLE MESSAGE SIGN
WP	WORKING POINT

EQUIPMENT LEGEND

FUTURE OR EXISTING	REQ'D	EQUIPMENT TYPE
		334, VMS, OR ATMS CABINET (WITH CABINET NUMBER)
		SIGNAL CABINET
		CCTV CAMERA / PTZ / POLE AND FOUNDATION
		TYPE 1 FREEWAY VARIABLE MESSAGE SIGN (VMS) ASSEMBLY
		UNDERGROUND POWER SERVICE PEDESTAL
ps	PS	POWER SERVICE POINT
		POWER POLE
		METER ON POLE
		DETECTOR LOOP
		PAD MOUNTED TRANSFORMER
		POLE MOUNTED TRANSFORMER
		ROADWAY WEATHER INFORMATION SYSTEM
		POLE
		ADVANCE FLASHING BEACON SIGN ON POLE
		MASTARM WITH SIGNAL HEADS
		SIGNAL HEADS
		METER-ON SIGNAL HEAD

AERIAL LEGEND

CONDUIT LINE STYLE	DESCRIPTION
	Existing Overhead Power Lines
	OVERHEAD POWER LINES

JUNCTION BOX LEGEND

Existing	REQ'D	PAY ITEM NAME
I-PC	I-PC	TYPE I POLYMER CONCRETE JUNCTION BOX
II-PC	II-PC	TYPE II POLYMER CONCRETE JUNCTION BOX
III-PC	III-PC	TYPE III POLYMER CONCRETE JUNCTION BOX
I-P	I-P	TYPE I PLASTIC JUNCTION BOX
II-P	II-P	TYPE II PLASTIC JUNCTION BOX

CONDUCTOR LEGEND

CALLOUT	REQ'D ITEM
X-#Y(Z)	(X) AWG # (Y) POWER CONDUCTORS FOR (Z)
X-#Y(GND)	(X) AWG # (Y) GROUND WIRE
IE: 2-#6(VMS CAB)	INDICATES (2)AWG#6 POWER
1-#8(GND)	CONDUCTORS REQ'D AND (1)AWG#8 GROUND WIRE REQ'D FOR A VMS CABINET.

DETAIL CALLOUT LEGEND

CALLOUT ON PLAN	MEANING
"X" "Y"	SEE DETAIL "X" ON SHEET "Y"

ELECTRICAL SCHEMATIC LEGEND

EXISTING	SYMBOL	EQUIPMENT
		BREAKER
M	M	METER
N	N	NEUTRAL LUG
EG	EG	EQUIPMENT GROUND LUG
		GROUND ROD
		TRANSFORMER
		SWITCH

NOTE: DASHED LINES INDICATE EXISTING EQUIPMENT

PROJECT NOTE LEGEND

CB	CONNECT NEW CONDUIT TO Existing Junction Box or Vault
BC	INSTALL NEW BOX OR VAULT IN Existing Conduit Run
CC	CONNECT NEW CONDUIT TO Existing Conduit
SP	SPLICE POINT

STANDARD CALL OUT FOR CONDUCTOR INSTALLATION

lv3 - LOWER CASE TEXT INDICATES EXISTING CONDUIT

1-#2C - UPPER CASE TEXT INDICATES REQUIRED NEW CONDUCTORS

NO.	DATE	APPR.	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JULY 03,2002 DATE

CHAIRMAN STANDARDS COMMITTEE APPROVED — JULY 03,2002 DATE

DEPUTY DIRECTOR

STANDARD DRAWING TITLE: LEGEND SHEET

STD DWG: AT 1