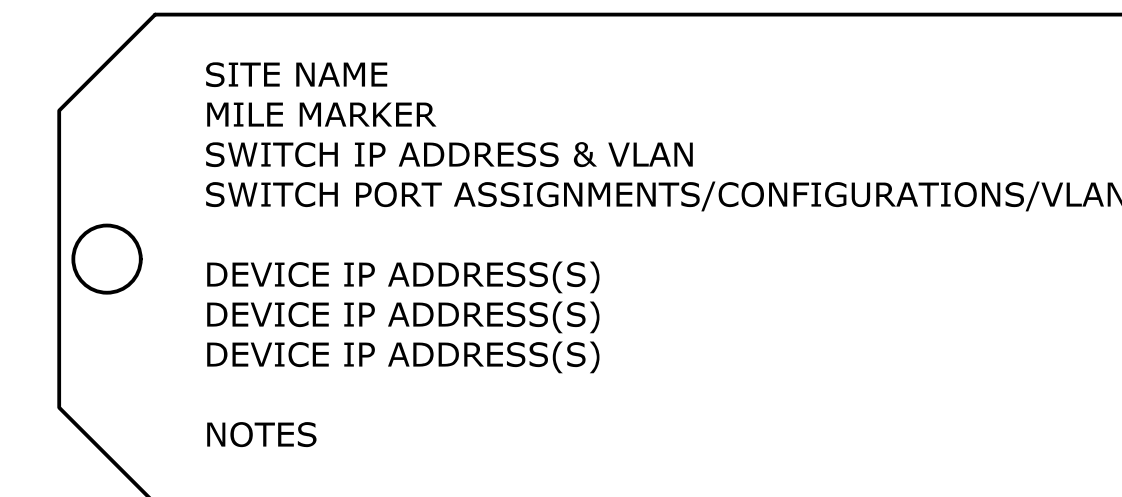


From Device No.		To Device No.		Device Center to Center Distance		Size, Color, and Number of Conduits in Trench								Size, Color, and Number of Conduits in Bore		Size and Number of Conduits on Structure		Power Cable Size		Fiber Optic Cable Fiber Count		Total Length of Category 6 Cable for Communication							
						CONDUIT (FT)								CABLE (FT)															
						TRENCHED				BORED				ON STRUCTURE	POWER					COMM.		COMM.	DEVICE						
						1	2	3	4	5	6	7	8	1	2	3	4	5	FIBER OPTIC		#	1	2	3	4				
						1 IN	2 IN	3 IN	4 IN	SPARE 2 IN	2 IN	3 IN	2 IN RMC	3-#X/0	3-#4	3-#6	2-#X	2-#X	12 SMFO	96 SMFO	CAT 6 CABLE	CCTV	DMS	VDS**					
						RED	GREEN	RED	GREEN	RED	GREEN	RED	GREEN	BLACK	RED	GREEN	RED	GREEN											
						(FT)																							
FROM		TO		CTR TO CTR DISTANCE (FT)																									
TOTAL																													

ITS EQUIPMENT/CABINET LABELING EXAMPLE



EACH SITE LOCATION SHALL BE APPROPRIATELY LABELED WITH SITE AND DEVICE INFORMATION. SEE ITS EQUIPMENT SPECIFICATIONS, INCLUDING SECTION 10.0 FOR ADDITIONAL DETAILS.

* CONDUIT AND / OR CABLE RUN CARRIES OVER TO ADJACENT SHEETS

** MAX. HEIGHT OF DETECTOR ON POLE ASSUMED AT 25 FT FOR CABLE QUANTITIES

NOTES:

- ALL LENGTHS IN TABLES ARE MEASURED IN FEET.
- TRENCHED CONDUIT SHALL BE HDPE, AND CONDUIT ON STRUCTURES SHALL BE RIGID METAL (RMC), UNLESS OTHERWISE NOTED.
- CTR TO CTR HORIZONTAL DISTANCES ARE ROUNDED UP TO THE NEAREST WHOLE FOOT. GRADE ELEVATION CHANGES ARE NOT ACCOMMODATED IN CABLE QUANTITIES AND ARE INCIDENTAL.
- TOTAL LENGTHS OF CONDUIT AND CABLE INCLUDE ADDITIONAL QUANTITIES AS GIVEN ON THIS SHEET, AND ARE ROUNDED UP TO THE NEAREST WHOLE FOOT.
- AFTER PULLING FIBER OPTIC CABLE THROUGH THE BOXES, THE CONTRACTOR SHALL CUT OFF AND DISCARD THE FIRST 10 FT OF THE CABLE. THIS 10 FT IS CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- ALL CONDUIT SIZES ARE INDUSTRY STANDARD ENGLISH SIZE CONDUIT DESIGNATED BY THEIR ROUNDED NOMINAL INCH (IN) DIAMETER EQUIVALENT.
- GROUND WIRE IS REQUIRED TO BE INSTALLED. THE NUMBER OF CONDUCTORS LISTED IN THE TABLE DOES NOT INCLUDE THE REQUIRED GROUND WIRE. GROUND WIRE IS CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- CCTV CABLE SHALL BE CATEGORY 6 CABLE UNLESS SPECIFIED OTHERWISE IN THE SITE PLAN.

ADDITIONAL CONDUIT QUANTITIES INCLUDED IN TABLE

3 FT AT EACH POWER SUPPLY ASSEMBLY (LOAD AND SERVICE SIDE)
 3 FT AT EACH ITS CABINET ASSEMBLY
 3 FT AT EACH CCTV
 3 FT AT EACH DMS
 3 FT AT EACH POWER POLE OR POWER PEDESTAL FOR POWER CO. SERVICE

CONDUIT SYMBOL LEGEND

1	1 IN (HDPE)	} TRENCHED
2	2 IN (HDPE)	
3	3 IN (HDPE)	
4	4 IN (HDPE)	
5	2 IN SPARE (HDPE)	} BORED
6	2 IN (HDPE)	
7	3 IN (HDPE)	
8	2 IN RMC	} ON STRUCTURE

ADDITIONAL CABLE QUANTITIES INCLUDED IN TABLE

POWER CABLES

36 FT AT EACH TYPE 1 POWER SUPPLY ASSEMBLY
 8 FT AT EACH TYPE 2 POWER SUPPLY ASSEMBLY (LOAD SIDE)
 8 FT AT EACH TYPE 2 POWER SUPPLY ASSEMBLY (SERVICE SIDE) PLUS DISTANCE TO POWER CO. SERVICE PLUS 36 FT IF SERVICE POLE, OR 8 FT IF SERVICE PEDESTAL
 8 FT AT EACH TRANSFORMER
 8 FT COIL AT EACH ITS CABINET ASSEMBLY
 6 FT COIL AT EACH PULL BOX
 50 FT AT EACH OVERHEAD DMS
 25 FT AT EACH ROADSIDE DMS

FIBER OPTIC TRUNKLINE CABLES (XX SMFO)

50 FT FROM EACH DIRECTION AT EACH SPLICE VAULT WHEN SPLICING
 100 FT AT EACH SPLICE VAULT WHEN NOT SPLICING
 25 FT AT EACH PULL BOX (WHEN NOT SPLICING)

FIBER OPTIC BRANCH CABLES (XX SMFO)

50 FT AT EACH ITS CABINET LOCATION
 - STORE 40 FT AT THE PULL BOX OR SPLICE VAULT NEAREST ITS CABINET
 - STORE 10 FT AT ITS CABINET
 100 FT FROM EACH DIRECTION AT EACH KDOT SPLICE VAULT WHEN SPLICING
 25 FT AT EACH PULL BOX OR SPLICE VAULT WHEN NOT SPLICING

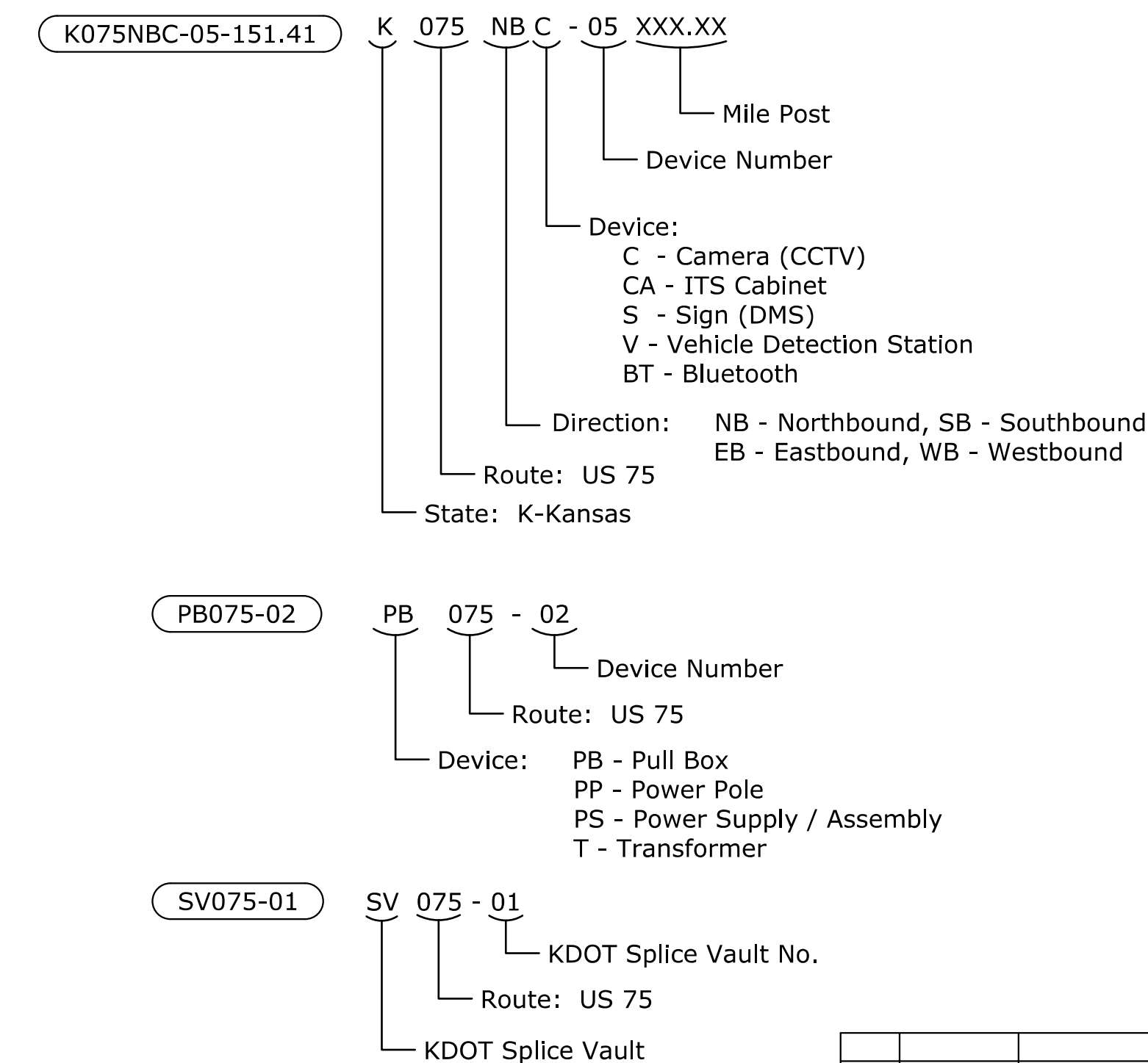
CATEGORY 6 CABLE

8 FT COIL AT EACH ITS CABINET
 3 FT COIL AT PULL BOX WHERE SPLICED TO LOOP WIRE
 6 FT COIL AT EACH MID-RUN PULL BOX

CCTV/DMS/VDS CABLES

8 FT COIL AT EACH ITS CABINET
 3 FT AT DEVICE
 6 FT COIL AT EACH PULL BOX
 POLE HEIGHT (VARIES) AT EACH POLE
 40 FT ASSUMED HEIGHT AT EXISTING TRAFFIC SIGNAL POLES

DEVICE ID CODE LEGEND



NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION CABLE, CONDUIT, AND DEVICE LEGEND FOR KDOT INSTALLATIONS				
ITS-D03A VERSION DATE: 05-29-17				
APP'D	DESIGNED	QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.	