

Legends :

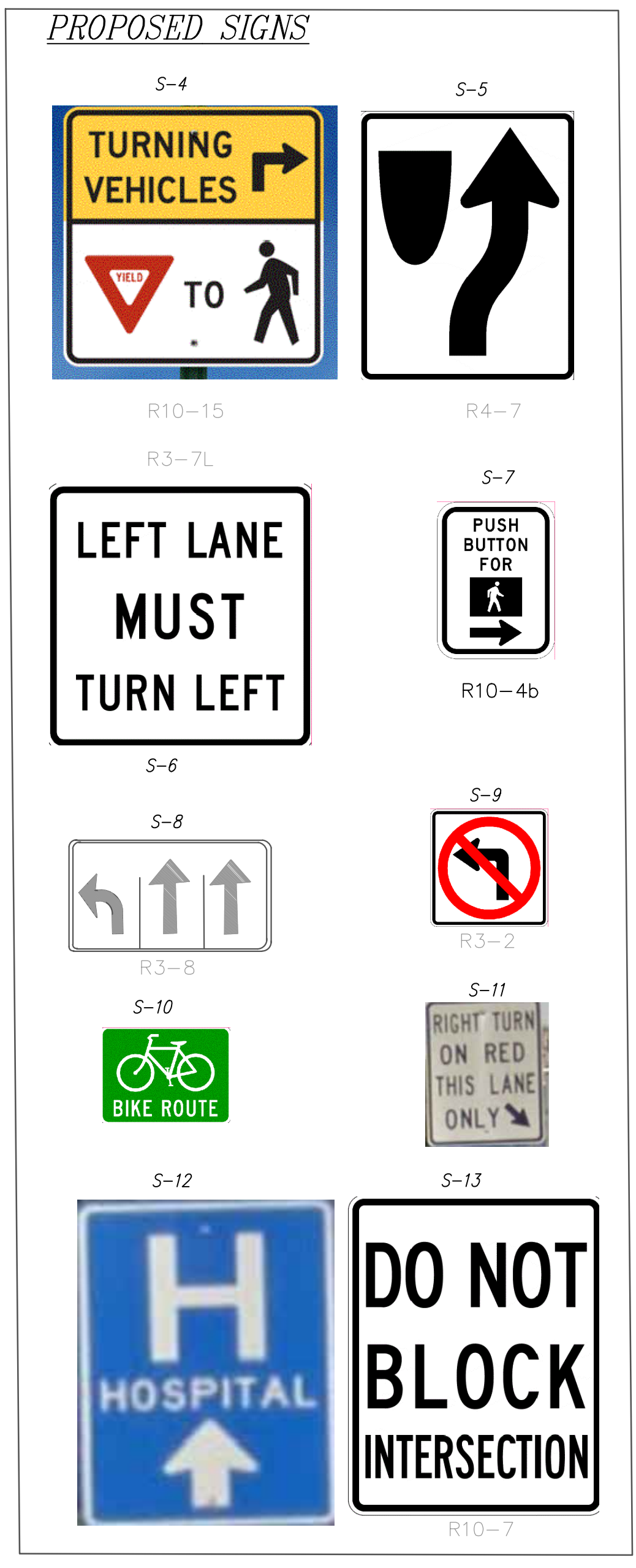
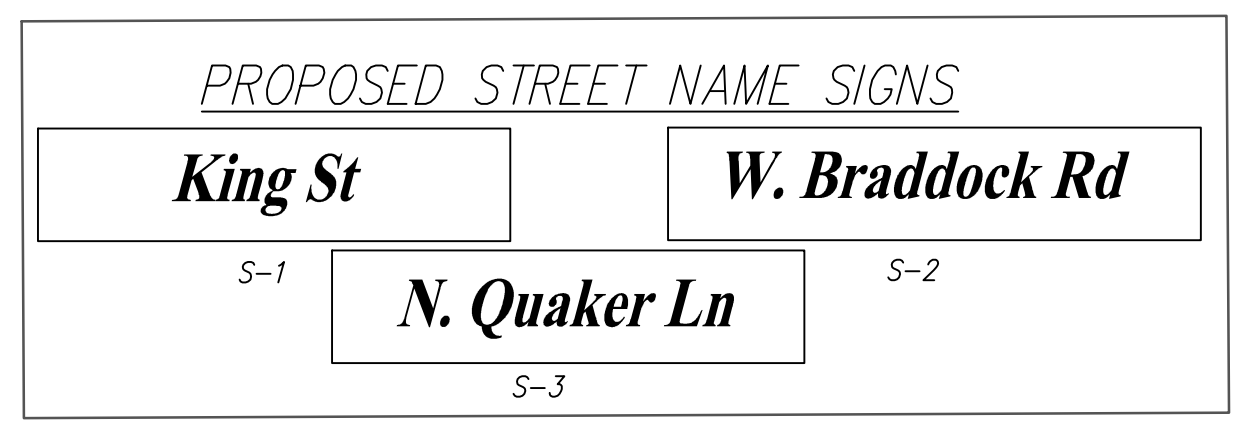
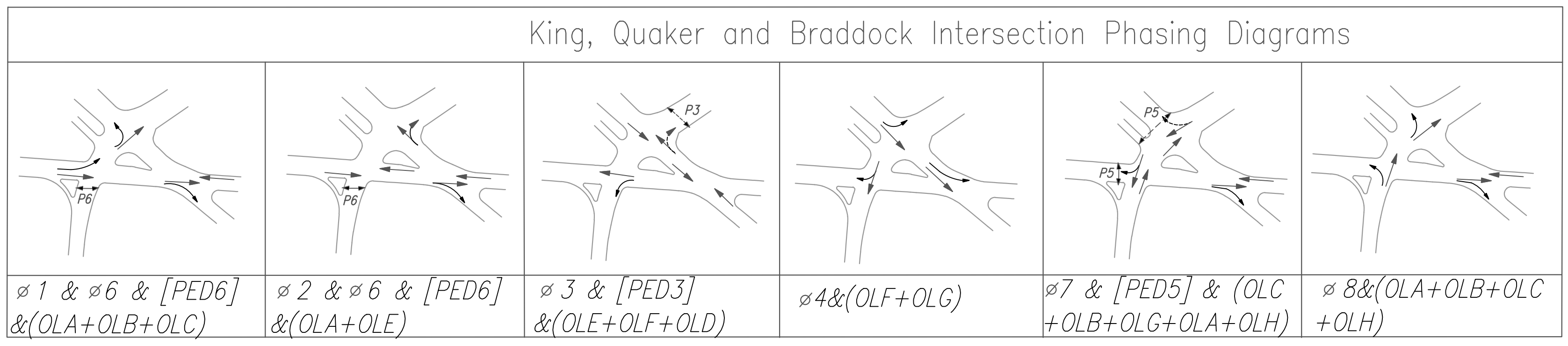
- Pedestrian Pole
- Push button
- Traffic signal head
- Controler box
- Junction box
- Video detection zone
- Proposed street lights
- Meter box
- Flir Camera
- CCTV Camera
- Pedestrian signal heads

Camera Indication Notes	
	Model FC-332 T2
	Model FC-324 T2
	Model FC-344 T2

LED Indication Notes	
	RFL - 215W96LED4K - T - 5
	RFL - 215W96LED4K - T - R2M

King St, Quaker Ln and Braddock Rd Initial Timing Chart

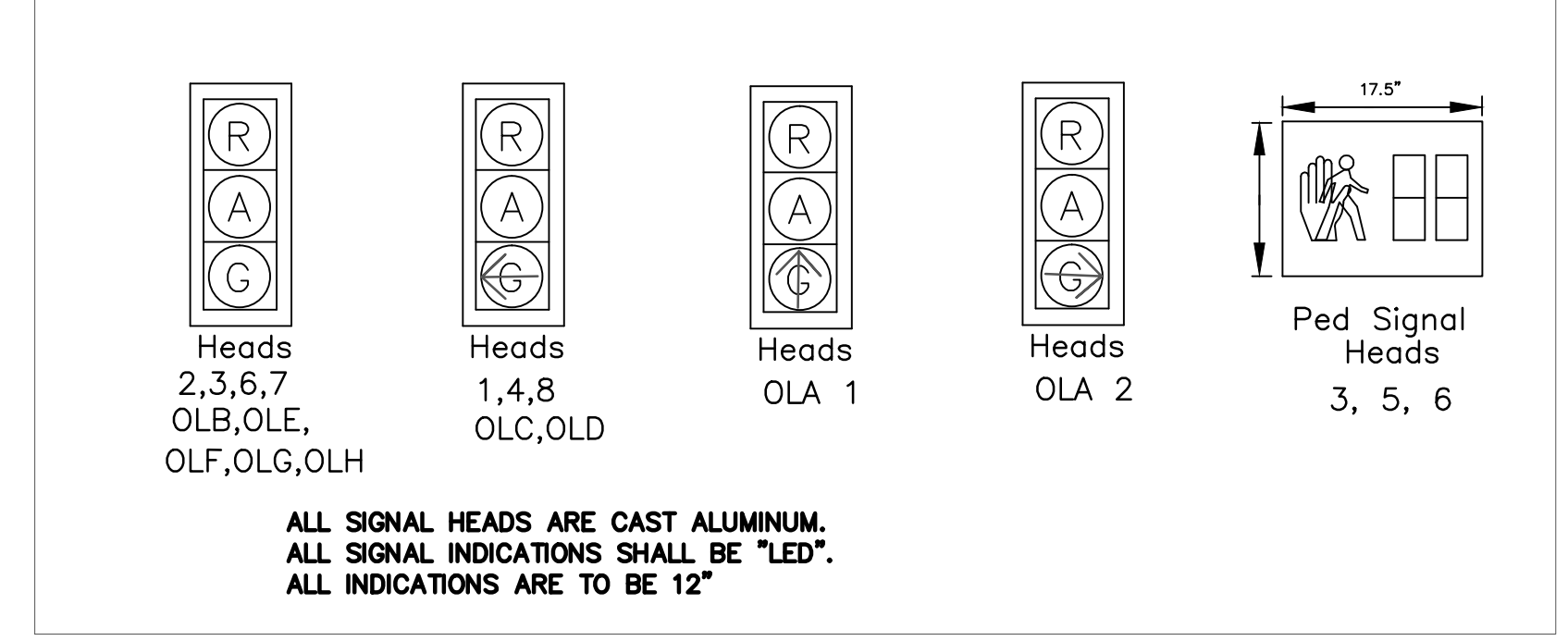
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EB LEFT BRADDOCK RD	WB THRU BRADDOCK RD	EB & WB THRU KING ST	SB THRU KING ST	PEDESTRIAN CROSSING KING ST	EB THRU BRADDOCK RD	SB THRU N QUAKER LN	NB THRU N QUAKER LN
PHASE ON INTERVAL								
PHASE TIMINGS								
MIN GR	6	9	6	5	0	9	16	13
PASSAGE	5	2	4	2	3	3	3	2
AMBER	3	3	3	3	3	3	3	3
RED	3	3	3	3	0	3	3	3
MAX 1	17	19	25	24	0	42	28	16
MIN GAP	5	2	4	2	3	3	3	2
PED WALK	--	--	7	--	7	7	--	--
PED CLR	--	--	18	--	18	18	--	--
MODE	MAX RECALL	MAX RECALL	MAX RECALL	MAX RECALL	PEDESTRIAN	MAX RECALL	MIN RECALL	MIN RECALL
	20	15	25	29	0	40	27	16
OLAP A	YES	YES				YES	YES	YES
OLAP B	YES						YES	YES
OLAP C	YES							YES
OLAP D			YES					
OLAP E		YES	YES					
OLAP F			YES	YES				
OLAP G				YES			YES	
OLAP H							YES	YES



Conduits and Cable Runs

- ① 1 - 3" Conduit (T)
1 - 14/7C for Ped Heads P, P
1 - 14/2C for Push Button
1 - #6AWG (EGC) for System Grounding
 - ② 2 - 3" Conduit (T) A+B
A 2 - 14/7C for Signal Heads
B 1 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 2 - 10-2 W/G Type UF Cable
 - ③ 2 - 3" Conduit (T)
A 4 - 14/7C for Ped Heads and Signal Heads
B 2 - 14/2C for Push Button
B 1 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ④ 2 - 3" Conduit (T)
A 3 - 14/7C for Ped Heads and Signal Heads
B 2 - 14/2C for Push Button
B 1 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 2 - 10-2 W/G Type UF Cable
 - ⑤ 2 - 3" Conduit (T)
A 7 - 14/7C for Ped Heads and Signal Heads
B 3 - 14/2C for Push Button
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ⑥ 2 - 3" Conduit (T)
A 3 - 14/7C for Ped Heads and Signal Heads
B 1 - 14/2C for Push Button
B 1 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
B 1 - CCTV Composite Cable
A 1 - 10-2 W/G Type UF Cable
 - ⑦ 2 - 3" Conduit (T)
A 2 - 14/7C for Signal Heads
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 2 - 10-2 W/G Type UF Cable
 - ⑧ 2 - 3" Conduit (T)
A 4 - 14/7C for Signal Heads
B 4 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ⑨ 2 - 3" Conduit (T)
A 4 - 14/7C for Signal Heads
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
B 1 - CCTV Composite Cable
A 2 - 10-2 W/G Type UF Cable
 - ⑩ 2 - 3" Conduit (T)
A 5 - 14/7C for Ped Heads and Signal Heads
B 1 - 14/2C for Push Button
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
B 1 - CCTV Composite Cable
A 2 - 10-2 W/G Type UF Cable
 - ⑪ 2 - 3" Conduit (T)
A 2 - 14/7C for Ped Heads P, P
B 2 - 14/2C for Push Button
A 1 - #6AWG (EGC) for System Grounding
 - ⑫ 2 - 3" Conduit (T)
A 3 - 14/7C for Ped Heads and Signal Heads
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ⑬ 2 - 3" Conduit (T)
A 5 - 14/7C for Ped Heads and Signal Heads
B 2 - 14/2C for Push Button
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ⑭ 2 - 3" Conduit (T)
A 6 - 14/7C for Ped Heads and Signal Heads
B 3 - 14/2C for Push Button
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G Type UF Cable
 - ⑮ 3 - 4" Conduit (T)
2 - 3" Conduit (T)
1 - 2" Conduit (T)
24 - 14/7C for Ped Heads and Signal Heads
8 - 14/2C for Push Button
12 - 3C & Coaxial Cable For Flur Video Detection
1 - #6AWG (EGC) for System Grounding
2 - CCTV Composite Cable
 - ⑯ 1 - 4" Conduit (T)
2 - 8 AWG THWN
1 - 6 AWG THWN
3 - 10-2 W/G type UF cable
 - ⑰ 1 - 3" Conduit (T)
2 - 8 AWG THWN
1 - 6 AWG THWN
2 - 10-2 W/G type UF cable
 - ⑱ 1 - 3" Conduit (T)
1 - 10-2 W/G type UF cable
 - ⑲ 1 - 3" Conduit (T)
2 - 8 AWG THWN
1 - 6 AWG THWN
 - ⑳ 1 - 3" Conduit (T)
2 - 10-2 W/G type UF cable
 - ㉑ 1 - 3" Conduit (T)
1 - Fiber Optic Preterminated Drop Cable
 - ㉒ 1 - 3" Conduit (T)
1 - 14/7C for Ped Heads P, P
1 - 14/2C for Push Button
1 - #6AWG (EGC) for System Grounding
 - ㉓ 2 - 3" Conduit (T)
A 2 - 14/7C for Signal Heads
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G tue UF cable
 - ㉔ 2 - 3" Conduit (T)
A 2 - 14/7C for Signal Heads
B 2 - 3C & Coaxial Cable For Flur Video Detection
A 1 - #6AWG (EGC) for System Grounding
A 1 - 10-2 W/G tue UF cable
 - ㉕ 1 - 3" Conduit (T)
1 - 14/7C for Ped Heads P, P
1 - 14/2C for Push Button
1 - #6AWG (EGC) for System Grounding
 - ㉖ 1 - 3" Conduit (T)
1 - 14/7C for Ped Heads P, P
1 - 14/2C for Push Button
1 - #6AWG (EGC) for System Grounding
- NOTES:
 8 AWG THWN Colors - Black and White
 6 AWG THWN Color - Green

Proposed Signals



King St., Quaker Ln. and Braddock Rd. Intersection Design



CITY OF ALEXANDRIA, VIRGINIA
 100% Completion
 King Street
 Quaker Lane, and
 Braddock Road Intersection
 Transportation & Environmental Services
 P.O. Box 178
 Alexandria, Virginia 22313