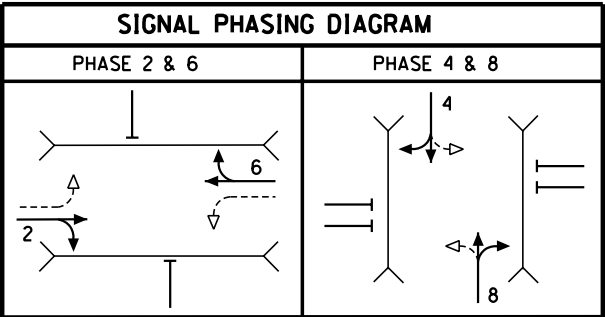
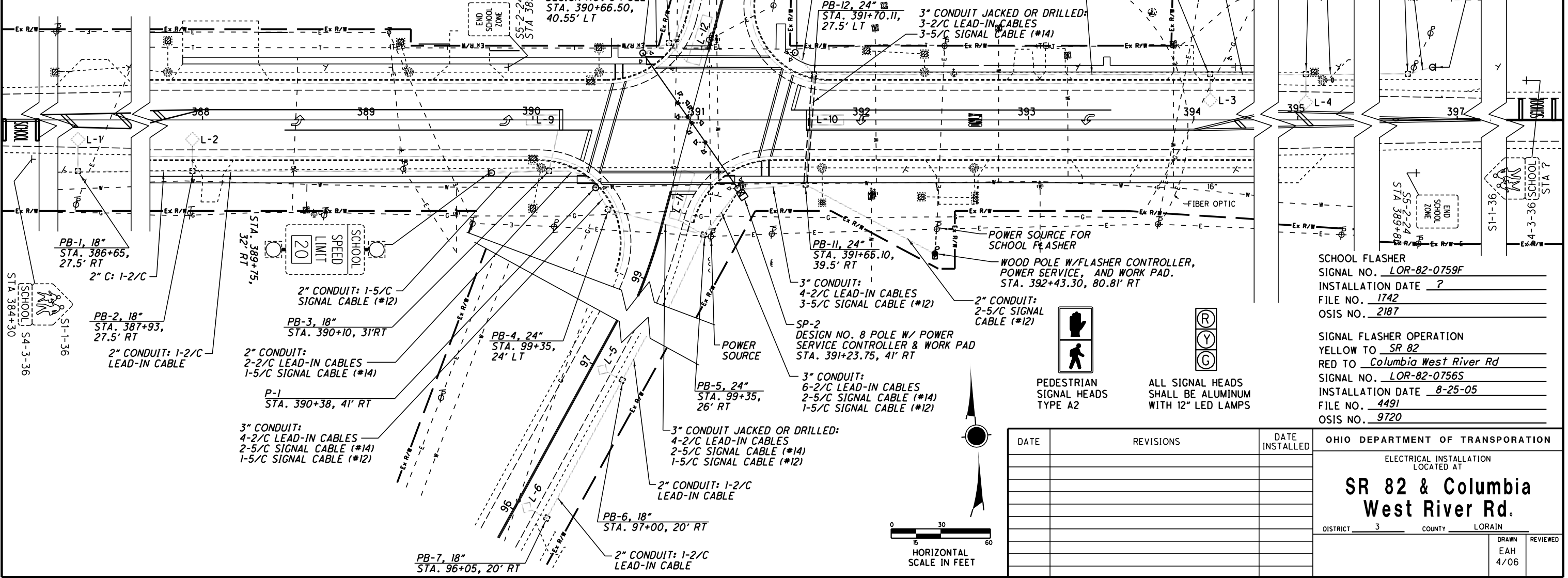


MATERIALS REQUIRED			
ITEM	QTY.	UNITS	DESCRIPTION
603	200	FT	4" CONDUIT, TYPE E
625	2	EACH	LIGHT POLE FOUNDATION, 24" X 6" DEEP, AS PER PLAN
625	1818	FT	CONDUIT, 2" 725.04
625	150	FT	CONDUIT, 3" , 725.04
625	67	FT	CONDUIT JACKED OR DRILLED UNDER PAVEMENT, 3"
625	11	EACH	PULL BOX, 725.08, 18"
625	4	EACH	PULL BOX, 725.08, 24"
625	8	EACH	GROUND ROD, AS PER PLAN
631	2	EACH	SCHOOL SPEED LIMIT SIGN ASSEMBLY, AS PER PLAN, 36" X 60"
632	4	EACH	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 2-WAY, APP
632	8	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEADS, AS PER PLAN
632	8	EACH	COVERING OF PEDESTRIAN SIGNAL HEADS
632	8	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN
632	12	EACH	DETECTOR LOOP, AS PER PLAN
632	8	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP
632	100	FT	MESSANGER WIRE, 7 STRAND, 1/4" DIA. WITH ACCESSORIES, APP
632	100	FT	MESSANGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES
632	259	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	219	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG.
632	1928	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 12 AWG
632	2	EACH	STRAIN POLE FOUNDATION, AS PER PLAN
632	2	EACH	PEDESTAL FOUNDATION
632	3303	FT	LOOP DETECTOR LEAD-IN CABLE
632	60	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG.
632	2	EACH	POWER SERVICE, AS PER PLAN
632	2	EACH	CONDUIT RISER, 2" DIAMETER
632	2	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 8
632	1	EACH	WOOD POLE
632	2	EACH	PEDESTAL, 10', TRANSFORMER BASE
632	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
632	2	EACH	SIGNALIZATION MISC.: STEEL STRAIN POLE, 7-1/2" DIAMETER, 10-1/2" BOLT CIRCLE, 11 GAUGE, 15', AS PER PLAN
632	1	EACH	SIGNALIZATION MISC.: METER BASE, 100 AMP WITH BYPASS
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, W/CABINET, TYPE TS1, APP(8-PHASE)
633	2	EACH	CABINET FOUNDATION
633	2	EACH	CONTROLLER WORK PAD
633	1	EACH	CONTROLLER ITEM, MISC.: FLASHER CONTROLLER, WEEKLY PROGRAMMER



LOOP DETECTOR CHART						
LOOP	SIZE (FT)	NO. OF TURNS	MODE	DELAY* (SEC)	CONNECT TO DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE
L-1	6x6	4	PULSE		1	2 & 6
L-2	6x6	4	PULSE		1	2 & 6
L-3	6x6	4	PULSE		2	2 & 6
L-4	6x6	4	PULSE		2	2 & 6
L-5	5x5	4	PULSE	3	3	4 & 8
L-6	5x5	4	PULSE	3	3	4 & 8
L-7	5x5	4	PULSE	3	4	4 & 8
L-8	5x5	4	PULSE	3	4	4 & 8
L-9	6x20	3	PRESENCE		5	2 & 6
L-10	6x20	3	PRESENCE		6	2 & 6
L-11	6x8x30	3	PRESENCE	10	7	4 & 8
L-12	6x8x30	3	PRESENCE	10	8	4 & 8

* INHIBIT DELAY DURING ASSOCIATED PHASE

SCHOOL FLASHER
SIGNAL NO. LOR-82-0759F
INSTALLATION DATE ?
FILE NO. 1742
OSIS NO. 2187

SIGNAL FLASHER OPERATION
YELLOW TO SR 82
RED TO Columbia West River Rd
SIGNAL NO. LOR-82-0756S
INSTALLATION DATE 8-25-05
FILE NO. 4491
OSIS NO. 9720

OHIO DEPARTMENT OF TRANSPORTATION	
ELECTRICAL INSTALLATION LOCATED AT	
SR 82 & Columbia West River Rd.	
DISTRICT <u>3</u>	COUNTY <u>LORAIN</u>
DRAWN EAH 4/06	REVIEWED