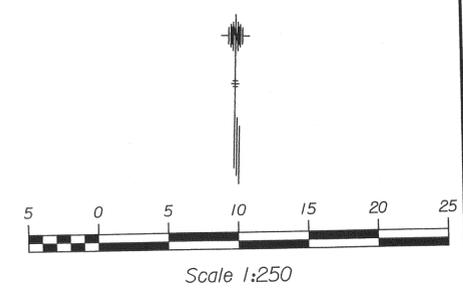


SIGNAL TIMING

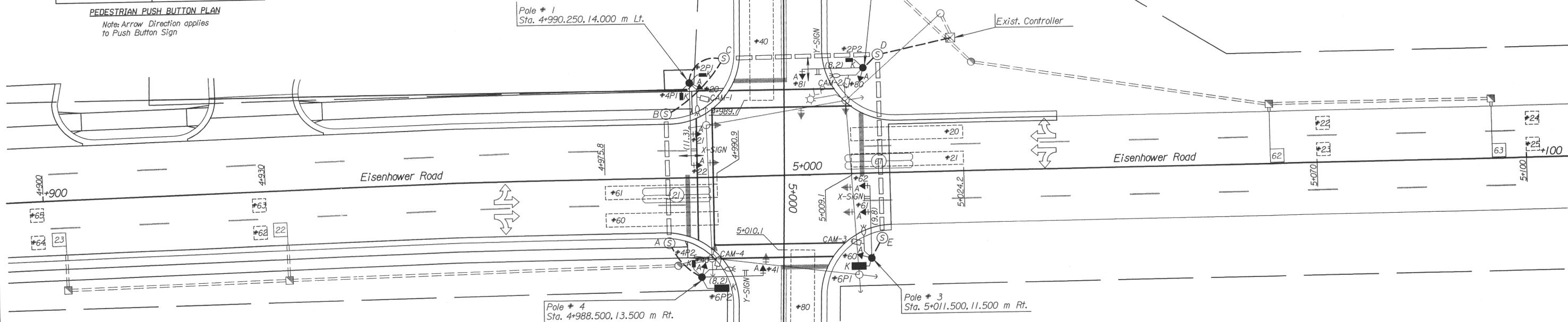
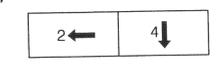
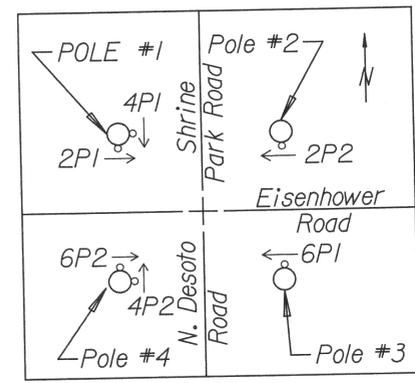
Phase	1	2	3	4	5	6	7	8
Direction	-	WBT	-	SBT	-	EBT	-	NBT
Initial	-	4	-	4	-	4	-	4
Extension	-	3	-	3	-	3	-	3
Max Green	-	36	-	16	-	36	-	16
All Red	-	1	-	1	-	1	-	1
Clearance	-	3	-	3	-	3	-	3
Emg. Flash	-	Y	-	R	-	Y	-	R
Walk	-	7	-	7	-	7	-	7
Flash	-	14	-	18	-	14	-	-
Don't Walk								

Y=Yellow
R=Red



VIDEO DETECTION SUMMARY

CAMERA NO.	DETECTION ZONE	MODE	SIZE L.x.W.	PHASE CALLED	PHASE EXTENDED	DELAY / STRETCH TIMER	INITIAL SETTING (SEC.)
1	20	Presence	1.8x1.5	2	2		
	21	Presence	1.8x1.5	2	2		
	22	Pulse	1.8x1.8	2	2	Stretch	1.0
	23	Pulse	1.8x1.8	2	2	Stretch	1.0
	24	Pulse	1.8x1.8	2	2	Stretch	1.0
2	80	Presence	1.8x1.5	8	8		
	60	Presence	1.8x1.5	6	6		
	61	Presence	1.8x1.5	6	6		
	62	Pulse	1.8x1.8	6	6	Stretch	1.0
	63	Pulse	1.8x1.8	6	6	Stretch	1.0
3	64	Pulse	1.8x1.8	6	6	Stretch	1.0
	65	Pulse	1.8x1.8	6	6	Stretch	1.0
	40	Presence	1.8x1.5	4	4		



NOTES

- Contractor shall contact all utility companies prior to digging or call 1-800-DIG-SAFE. The Contractor shall contact the power and telephone company to coordinate the traffic signal hook up.
- Conduits shall be bored beneath existing pavement.
- Back plates shall be installed on all mast arm mounted signals.
- The Contractor, at his own cost, shall replace all areas disturbed by construction. Entire panels between joints shall be replaced and the existing joint pattern shall be reproduced.
- X-Sign - Shrine Park Road
Y-Sign - Eisenhower Road
- No. 6 bare copper common ground shall be supplied and physically connected by the Contractor to each pole, power source, and cabinet ground rods.
- The location of existing underground utilities are shown in an approximate way only and have not been independently verified. The Contractor shall determine the exact locations of all existing utilities before beginning work and agrees to be fully responsible for any and all damages which may be occasioned by the Contractor's failure to exactly locate and preserve any and all underground utilities. Companies or agencies that have identified utilities in this vicinity are listed below.
- Staked locations for poles, pedestals, boxes, and loops shall be approved by the Engineer prior to construction of each item.
- Service and junction boxes shall be concrete and have cast iron lids.
- Service and junction box locations and conduit runs are typical only and may be adjusted during installation to clear obstructions and facilitate wiring as approved by the Engineer. Boxes shall not be located in sidewalk ramps.
- Overhead street name signs shall be mounted on the signal mast arm. See details.
- The photocell for luminaires shall be solid state type, 1000w/1800 volt-amps maximum, single pole, single throw, twist lock mounting, 120v operation. The operating levels shall be 16.1x ON and 3.61x OFF, with an allowable variation of 5.41x ON or OFF. The photocell shall have a minimum of a 30-second time delay OFF, and fail in the ON mode.
- All lights on the signal heads and pedestrian heads shall be LED.
- Pedestrian heads shall be equipped with a countdown timer.
- The existing traffic signals shall remain intact and operational until the proposed traffic signals have been constructed and approved by the Engineer. Change existing traffic signals to fixed time.
- Open arrows shown on road indicate traffic movements, not pavement markings.
- If the existing loop(s) on N. Desoto and Shrine Park Roads are removed from service, the Contractor shall provide temporary video detection. Video detection equipment used for temporary video detection shall be new and can be transferred to the new signal poles.
- Existing inductive loop wiring and conduit including junction boxes to be removed.

LEGEND

- SIGNAL HEAD W/SIGNAL NO. & TYPE DESIGNATION
- SIGNAL HEAD WITH BACKPLATE W/SIGNAL NO. & TYPE DESIGNATION
- PEDESTRIAN HEAD W/ SIGNAL NO. & TYPE DESIGNATION
- CAMERA DETECTOR
- SIGNAL POLE W/MAST ARM (MAST ARM LENGTH IN METERS)
- MAST ARM MOUNTED SIGN
- SERVICE BOX W/DESIGNATION
- PUSHED CONDUIT (STEEL)
- TRENCHED CONDUIT (PVC)
- VIDEO LOOP DETECTION ZONE
- VIDEO ADVANCE LOOP DETECTION ZONE
- POLE MOUNTED LUMINAIRE
- EMERGENCY VEHICLE PRE-EMPTION
- CONTROLLER CABINET

KANSAS DEPARTMENT OF TRANSPORTATION
SIGNAL PLAN
INTERSECTION OF
EISENHOWER RD. &
SHRINE PARK RD./N. DESOTO RD.

Plotted: 4/16/2004
 Drawn By: rsteigman
 File: P:\0154\01541_signal_plan1.dgn
 Section: \$\$\$KDOTGAP\$\$\$
 Cook, Platt & Strobel
 ENGINEERS, P.A.