

BENCHMARKS:
BM #7 - City of Wichita bench Mark Disc on signal pole base 40.4' south
and 57.5' East of centerlines of Hydraulic & 47th St. South.
Sta. 115+07.4, 57.5' Rt. Elev. = 84.99 (City Datum)

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EQUIPMENT NECESSARY FOR THE COMPLETE AND SATISFACTORY OPERATION OF THE TRAFFIC SIGNAL SYSTEM, WHETHER SAID EQUIPMENT IS SPECIFICALLY MENTIONED OR NOT.
2. LENGTHS GIVEN ARE TO THE CENTER OF THE POLE BASE AND DO NOT REFLECT ADDITIONAL LENGTHS DUE TO RISERS AND BENDS.
3. SIGNAL HEADS, PEDESTRIAN SIGNALS, AND TRAFFIC SIGNS SHALL INCLUDE ALL HARDWARE AND OTHER INCIDENTALS NECESSARY FOR PROPER INSTALLATION.
4. SEE THE CITY OF WICHITA STANDARD SPECIFICATIONS FOR ADDITIONAL WIRING NOTES.
5. EXISTING SIGNAL SYSTEM TO REMAIN IN PLACE. CONTRACTOR SHALL REPLACE EXISTING LOOP DETECTION SYSTEM WITH ZONED CAMERA DETECTION SYSTEM. ALL J-BOXES AND CONDUIT ASSOCIATED WITH DETECTION SHALL BE REMOVED UNLESS UTILIZED BY THE SCHOOL ZONE SYSTEM.
6. ALL SALVAGEABLE EQUIPMENT SHALL BE RETURNED TO THE CITY OF WICHITA.
7. CONTRACTOR SHALL COORDINATE INSTALLATION OF ZONED CAMERA DETECTION SYSTEM TO PRECEDE REMOVAL OF EXISTING DETECTOR LOOPS.
8. ALL TRAFFIC SIGNALIZATION SHALL BE COMPLETED PRIOR TO SHIFTING TRAFFIC THROUGH THE INTERSECTION AS DESCRIBED BY THE CONSTRUCTION SEQUENCING PLAN.
9. CONTRACTOR SHALL REGROUT ALL SIGNAL POLE BASES TO MATCH FINAL WALK ELEVATIONS.

STEVEN P. & CONNIE S. LEE
B-102-UP

UNIFIED SCHOOL
DISTRICT NO. 259
B-111-UP

HINSON'S SOUTHERN HEIGHTS ADDITION
BLK 1
HENRY P. ALCARAZ
B-12517

BILLIE M.
TUCKER, etux
B-12522

JACK PEARCE INC, etal
B-12523

SCOTT STUCKEY
Revocable Trust
C-52-UP
C-49-1F-UP
C-49-2-UP
C-49-1-1D1-UP

MORRIS COLLECTIONS PARTNERSHIP
C-35088

SOUTH HYDRAULIC PARK SECOND ADDITION

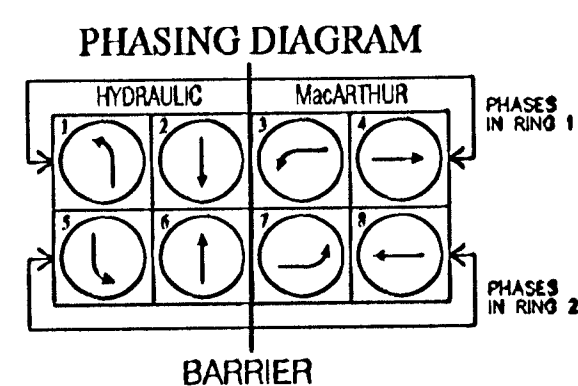
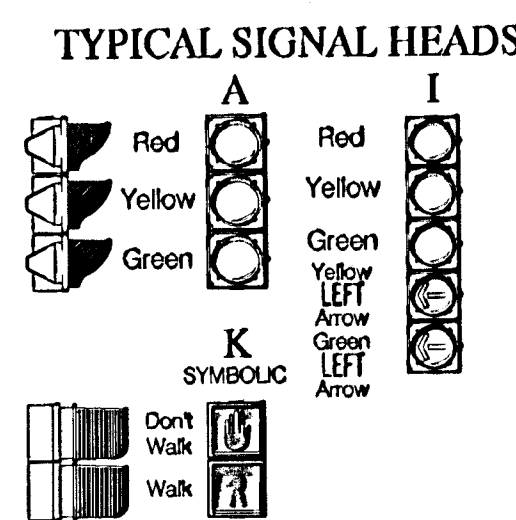
VEHICLE DETECTOR SUMMARY			
LOOP NO.	LOOP SIZE W/L	DETECTOR SETTING	PHASE CALLED
E1	60' x 50'	PRESSENCE	1
E2	180' x 50'	PRESSENCE	6
E3	180' x 50'	PRESSENCE	6
E4	180' x 50'	PULSE	6
S1	60' x 50'	PRESSENCE	7
S2	180' x 50'	PULSE	4
S3	180' x 50'	PULSE	4
S4	180' x 50'	PULSE	4
W1	60' x 50'	PRESSENCE	5
W2	180' x 50'	PULSE	2
W3	180' x 50'	PULSE	2
W4	180' x 50'	PULSE	2
N1	60' x 50'	PRESSENCE	3
N2	180' x 50'	PULSE	8
N3	180' x 50'	PULSE	8
N4	180' x 50'	PULSE	8

TYPE 170 CONTROLLER SETTINGS											
WAPITI PROGRAM						Nominal Display					
Phase						Features					
Interval	1	2	3	4	5	1	2	3	4	5	6
WBLT	EB	SB	EB	SB	EB	Yel Lock	Yel Lock	Yel Lock	Yel Lock	Yel Lock	Yel Lock
Max. 2	30	30	30	30	30	0	0	0	0	0	0
Walk	2	6	6	6	6	2	Day/Month	Red Lock	Red Lock	Red Lock	Red Lock
Fl. Dv.	3	5	25	5	25	5	25	3	Day/Week	Yel Lock	Yel Lock
Max. Init.	4	1	10	1	10	1	10	4	Hour	0	Permit
Min. Green	5	1	8	1	8	1	8	5	Minute	Pod Phases	Pod Phases
TBR	6	15	15	15	15	6	Second	Lead Phases	Lead Phases	Lead Phases	Lead Phases
TTR	7	25	25	25	25	7	8	Sequential	Start Up Yel	Start Up Yel	Start Up Yel
Passage	9	1.0	2.0	1.0	2.0	1.0	2.0	9	Overlap A	Overlap A	Overlap A
Min. Gap	9	1.0	1.0	1.0	1.0	1.0	1.0	9	Overlap B	Overlap B	Overlap B
Add Act	6	1.0	1.3	1.0	1.3	1.0	1.3	6	Overlap C	Overlap C	Overlap C
Yellow	6	3.0	4.0	3.0	4.0	3.0	4.0	6	Overlap D	Overlap D	Overlap D
Red Clr	6	1.0	2.0	1.0	2.0	1.0	2.0	6	Exclusive	Exclusive	Exclusive
Red Rev	6	0.0	0.0	0.0	0.0	0.0	0.0	6	Slm Gap	Slm Gap	Slm Gap
WalkIt	7	0	0	0	0	0	0	7			

CHART 'D' - STREET NAME SIGN SUMMARY				
LEGEND	TYPE	QTY	UNITS	SIZE
Hydraulic	D-3	2	EA	30" X 60"
47th Street	D-3	2	EA	30" X 60"

CHART 'A' - SIGNAL INVENTORY				
NO. WAYS	NO. SECTIONS (Per Face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QTY
1	5	I	TYPE I	4
1	3	A	TYPE I	0
2	2	K (SMB)	TYPE II	4

BILL OF MATERIALS		
ITEM	UNIT	QTY
BACK PLATE 5" - 5 SECTION	EACH	4
TRAFFIC SIGNAL LAMP RED LED KIT	EACH	4
TRAFFIC SIGNAL LAMP YELLOW LED KIT	EACH	4
TRAFFIC SIGNAL LAMP GREEN LED KIT	EACH	4
TRAFFIC SIGNAL LAMP GREEN ARROW LED KIT	EACH	4
TRAFFIC SIGNAL LAMP YELLOW ARROW LED KIT	EACH	4
PEDESTRIAN SIGNAL HEAD WITH BRACKETS	EACH	8
12" COMBINATION	EACH	8
PEDESTRIAN PUSH BUTTON WITH SIGN (ONE PC)	EACH	9
MULTI-CONDUCTOR CABLE No. 18 A.W.G. 3/2 (V3)	400' LIN. m	458 LF
VIDEO CABLE 75 OHM COAXIAL (BELDON 8281) (CX)	400' LIN. m	458 LF
CAMERA HOUSING	EACH	4
VIDEO DETECTION CAMERA & MOUNTING HARDWARE (RISER BRACKET)	EACH	4
VIDEO DETECTION PROCESSOR UNIT	EACH	4
VIDEO MONITOR	EACH	1
CAMERA CHARGED COUPLING DEVICE	EACH	4
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT **	L.S.	-
STREET NAME SIGNS W/MOUNTING HARDWARE (D-3)	EACH	4



PROJECT NUMBER		SHEET NAME		ENGINEERING DIRECTORY	
472-83902		Signal		F:\Eng\Hydraulic.phs2\Traffic	
DESIGN	BAZIERE	DRAWN	STAFF	APPROVED	JFB
DATE	March 04	SCALE	1"=20'	BAUGHMAN NO	99-09-E451

CAPITAL IMPROVEMENT PROJECT
HYDRAULIC & 47th STREET
SIGNALIZATION IMPROVEMENTS
HYDRAULIC AVE PAVING - SOUTH OF 57th STREET SOUTH TO 47th STREET SOUTH

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
319-292-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET
OF
86
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