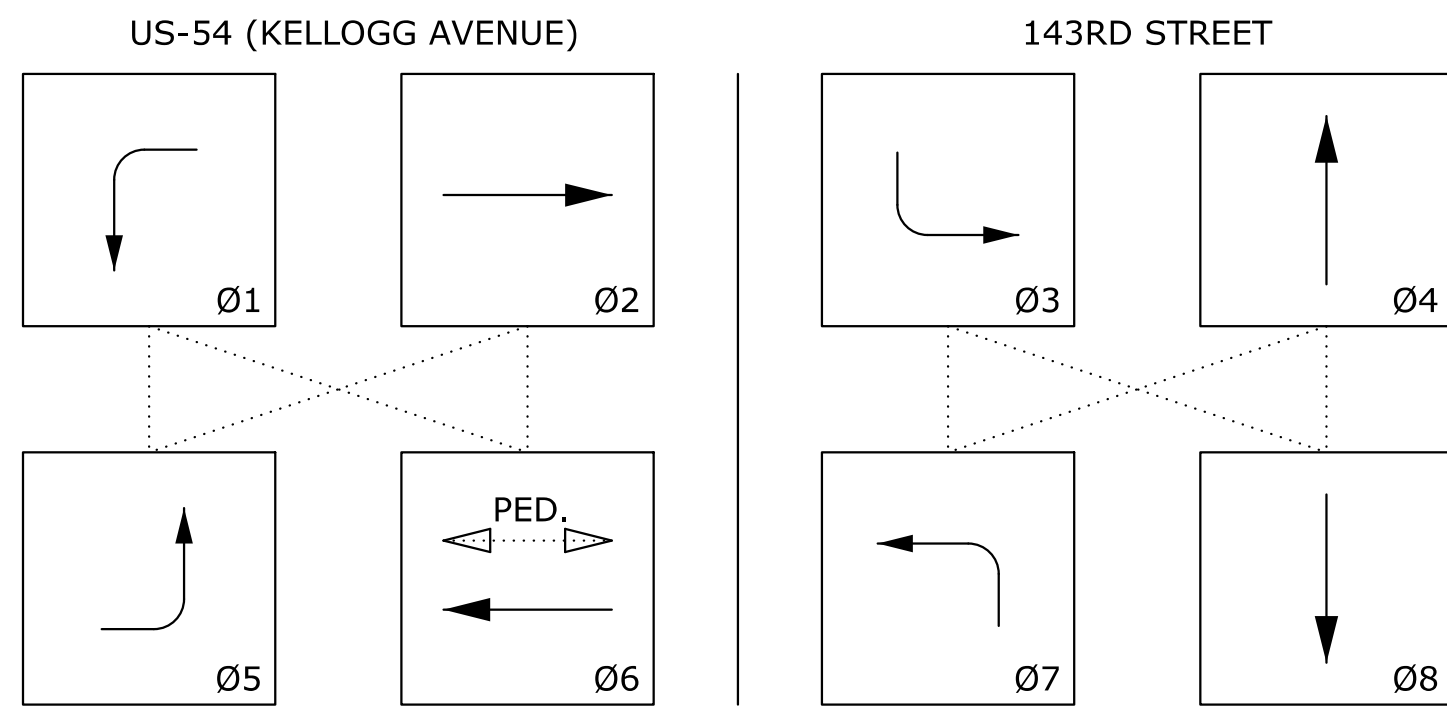
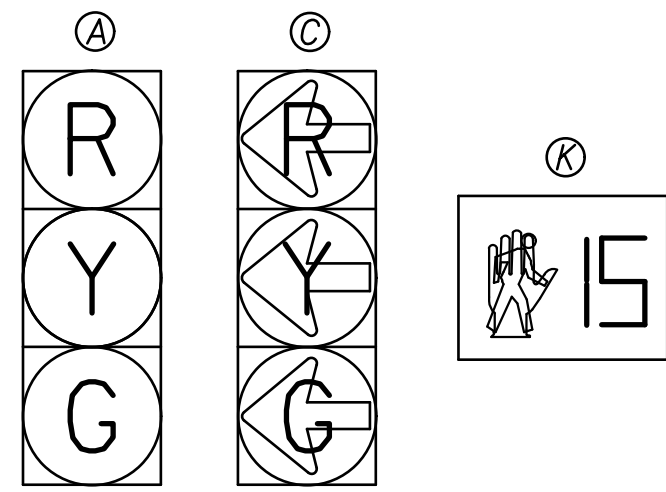


# PHASE DIAGRAM



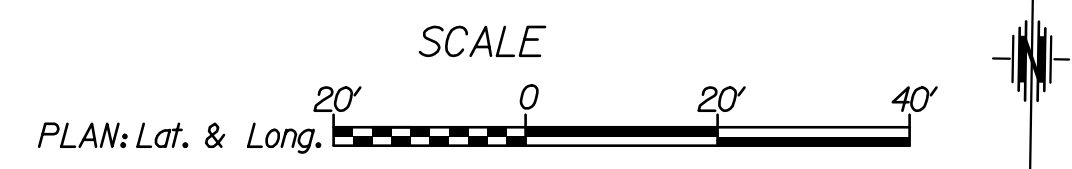
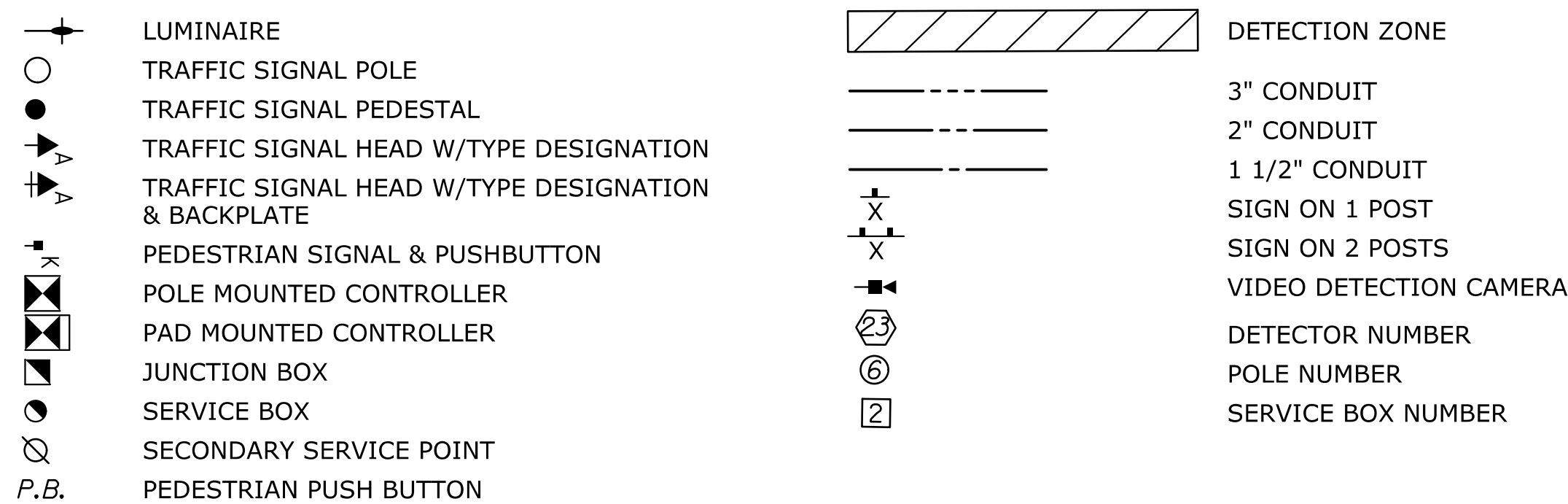
NOTE: DOTTED LINES CONNECTING PHASES INDICATE PHASES THAT CAN OCCUR CONCURRENTLY. PEDESTRIAN PHASE TO ONLY OCCUR AFTER PUSH BUTTON ACTIVATION.

# SIGNAL FACES



NOTE: ALL LENSES SHALL BE 12" L.E.I.D. PEDESTRIAN LENSES SHALL 16" AND BE COUNTDOWN SIGNALS.

# LEGEND



POLE & CONTROLLER LOCATIONS				
POLE NO.	STATION	OFFSET	NORTHING	EASTING
1	19+06.00	49.00' Rt.	1684117.3341	1697091.1855
2	18+71.00	87.00' Lt.	1684080.2662	1696955.7345
3	17+36.00	60.00' Lt.	1683945.9207	1696984.4368
4	17+46.00	93.00' Rt.	1683957.6591	1697137.3133
5	18+76.01	72.68' Rt.	1684087.7075	1697115.3237
6	18+75.00	72.50' Lt.	1684084.4866	1696970.1719
Cont.	19+08.00	80.00' Rt.	1684119.8061	1697122.1515

SERVICE BOX LOCATIONS				
BOX NO.	STATION	OFFSET	NORTHING	EASTING
1	18+92.00	56.00' Rt.	1684103.4423	1697098.3980
2	18+66.50	82.50' Lt.	1684075.8353	1696960.3026
3	17+35.00	50.00' Lt.	1683945.0344	1696994.4475
4	17+49.00	65.00' Rt.	1683960.3406	1697109.2810
5	19+85.00	51.00' Rt.	1684196.3554	1697091.9817

SIGN LOCATIONS		
STREET NAME	POLE NO.	SPACING ON ARM*
R10-10L	1	14.0'
R10-10L	1	41.0'
R10-10L	1	51.0'
STREET NAME	2	18.0'
R10-10L	2	49.0'
STREET NAME	3	18.0'
R10-10L	3	44.0'
STREET NAME	4	18.0'
R10-10L	4	49.0'

\* TO CENTER OF SIGN

- GENERAL NOTES:**
1. THE CITY SURVEYORS WILL STAKE LOCATIONS WHERE POLES, BOXES, AND THE CONTROLLER ARE TO BE INSTALLED. APPROVED STAKED LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CONTRACTOR ORDERING TRAFFIC SIGNAL POLES AND HARDWARE.
  2. SERVICE AND JUNCTION BOXES AND CONDUIT RUNS ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO CLEAR OBSTRUCTIONS AND FACILITATE WIRING, AS APPROVED BY THE ENGINEER
  3. VIDEO DETECTION ZONES SHALL BE CENTERED IN TRAFFIC LANES, EXCEPT AS INDICATED ON THE PLANS. DETECTOR ZONES AT INTERSECTION SHALL BE APPROXIMATELY 10 FEET IN FRONT OF 24" STOP BARS AS SHOWN.
  4. LUMINAIRE ARMS SHALL BE ORIENTED 90 DEGREES TO THE MAST ARM TYPICALLY EXCEPT POLE 1 WHICH SHALL BE PARALLEL. OTHERS (WESTAR) WILL MOUNT THE LUMINAIRE'S AND ARMS ON THE POLES. CONTRACTOR SHALL PROVIDE LUMINAIRE ARMS AND WIRING AS SHOWN ON THE WIRING DIAGRAM.
  5. ALL EQUIPMENT SHALL BE NEW UNLESS SHOWN OTHERWISE ON THE PLANS. SIGNAL HEADS OR TRAFFIC SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED. EXISTING ITERIS VANTAGE VECTOR CAMERAS AND CARDS ON EXISTING POLES 2 AND 4 SHALL BE RE-USED.
  6. ALL CONDUIT SHALL BE BORED UNDER EXISTING PAVEMENT AND SIDEWALK NOT BEING REPLACED. THIS WORK SHALL BE SUBSIDIARY TO THE BID ITEM "TRAFFIC SIGNAL".
  7. EXISTING FEATURES AND UTILITIES ARE SHOWN FROM AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY UTILITIES AND THEIR EXACT LOCATION PRIOR TO CONSTRUCTION.
  8. ALL CONDUIT RUNS SHALL BE STRAIGHT BETWEEN BOXES AND/OR FOUNDATIONS. CURVED LINES SHOWN ON PLAN FOR CLARITY ONLY.
  9. INSTALL METER AND OTHER ELECTRICAL COMPONENTS PER POWER POLE AND SPAN POLE ASSEMBLY SHEETS. ASSUMED PROPOSED POWER HOOK-UP SHOWN. CONTRACTOR SHALL COORDINATE POWER HOOK-UP WITH WESTAR.
  10. PROPOSED PAVEMENT MARKING & STATIONING ARE SCREENED FOR CLARITY. SEE PAVEMENT MARKING SHEETS FOR MORE INFORMATION.
  11. METER ADDRESS IS XXXX WICHITA, KS XXXXX.
  12. 6'X6' ADVANCED DETECTION ZONES ARE LOCATED (610', 420', 260' FROM STOP LINE) ALONG US-54 (KELLOGG AVE). SEE DETECTOR SUMMARY CHART ON SHEET 153 FOR LOCATIONS.
  13. POLE 1 REQUIRES A SPECIAL FOUNDATION. SEE SHEET 159 FOR DETAILS.
  14. VIDEO DETECTION CAMERA FOR NB APPROACH SHALL BE MOUNTED ON LUMINAIRE ARM OF POLE #2.
  15. EXISTING TRAFFIC SIGNAL POLES AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE EXISTING POLE AND CONTROLLER FOOTINGS IN THEIR ENTIRETY. EXISTING CONDUIT UNDER US-54 SHALL BE ABANDONED IN PLACE. EXISTING SERVICE AND JUNCTION BOXES SHALL BE REMOVED ALL OTHER CONDUIT AND WIRING SHALL BE REMOVED AND THIS WORK SHALL BE SUBSIDIARY TO THE ITEM "TRAFFIC SIGNAL".
  16. A TEMPORARY SIGNAL SHALL BE IN OPERATION DURING CONSTRUCTION. SEE CONSTRUCTION PHASING PLANS FOR MORE INFORMATION.
  17. 6'X6' ADVANCED DETECTION ZONES ARE LOCATED (260', 92' FROM STOP LINE) ON 143RD ST. SEE DETECTOR SUMMARY CHART ON SHEET 153 FOR LOCATIONS.

**Tran Systems**  
 245 NORTH WACO  
 SUITE 222  
 WICHITA, KANSAS 67202  
 PHONE: 316-303-3000  
 FAX: 316-462-5629

CONSULTANTS:

**143RD STREET IMPROVEMENTS**  
 WICHITA, KANSAS

REVISIONS:	DESCRIPTION	MARK	DATE

PROJ NO: 87 N-0614-01  
 SCALE: 1" = 20'  
 DATE: 5/26/2017  
 DESIGNED BY: CCB  
 DRAWN BY: CCB  
 CHECKED BY: SGE

SHEET TITLE:  
**TRAFFIC SIGNAL  
 143RD STREET &  
 US-54 (KELLOGG)**

SHEET NO.  
**152**  
 SHEET 152 OF 236

11:18:13 AM c:\tran\systems\proj\143rd\143rd-101.dgn  
 taummed 5/26/2017