DATE			
BY			
	REFERENCES NOTED		
	REFERENCES CHECKED		

GENERAL NOTES

1. Existing utilities and their locations, as shown on the plans represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may also be encountered.

2. The Contractor will be required to provide a minimum advance notice of forty eight (48) hours to utility companies prior to starting any excavation as follows:

   Kansas One Call (State) 1–800–344–7233
   (Wichita) 687–2470

   The Contractor must notify the following in case of emergency:

CATV – Cox Communications (Cable)	262–0661
E – Westar (Electric)	261–6512
T – SBC (Telephone)	800–870–8390
G – Kansas Gas Service (Gas)	832–3101
G – Williams Pipeline	529–6601
SS & W – City of Wichita Water & Sewer Dept.	262–6000
SWS – City of Wichita Stormwater Utility	268–4071

3. Special Finish for Traffic Signal Structures and Cabinets: In addition to galvanizing. All exterior surfaces are coated with a zinc rich epoxy powder to a minimum dry film thickness of 2.0 mils. The coating is electrostatically applied and partially cured in a gas fired convection oven by heating the steel substrate to a minimum of 121 degrees Celsius.

   The powder primed surface is coated with an intermediate coat of polyester powder to a minimum film thickness of 2.0 mils. The coating is electrostatically applied and cured by heating the substrate in a convection oven to minimum of 177 degrees and a maximum of 204 degrees Celsius.

   The intermediate coat is top coated with one coat of high–build acrylic polyurethane enamel to a minimum dry film thickness of 2.0 mils. The coating is electrostatically applied and cured by heating the substrate in a convection oven to minimum of 107 degrees Celsius. The final top coating shall be black.

   The color of exterior surfaces of all structures, signal heads, brackets, equipment, cabinets, covers, panels, and components shall be matching black, unless otherwise noted.

4. L.E.D. Signal Heads: All lenses in each signal head shall be a self–contained, sealed unit designed to fit a regular 300 mm traffic signal housing. It shall incorporate a minimum of 186 high reliability, high intensity LED indicators. The lenses shall provide a light beam spread of 30 degrees on all sides of its center axis which shall be designed to provide a 5 to 7 degree downward angle.

   The lenses shall be made of UV stabilized plastic. The rear cover shall be of nonflammable material and the entire unit shall be totally sealed to preclude the entrance of water, dust or other contaminants.

   The self–contained, regulated power supply shall allow the unit to operate over an input voltage range between 89 and 135 volts A.C. and shall be configured in at least 3 parallel circuits for reliability. Light output shall be comparable to that provided by a standard, 300 mm traffic signal lens illuminated by a 150 watt incandescent lamp. The red wave length shall be 630 to 660 nm.

   The manufacturer shall warrant the unit against defects in workmanship and materials for a period of at least five years after date of shipment. This warranty shall be assigned to the maintenance agency.

5. Exact Video Detection Camera locations to be at the direction of the manufacturer's representative. Video Camera cable terminations, camera fine tuning, system setup, and programming will be performed by the supplier with the assistance of the contractor.

6. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will no be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

7. Contractor shall reseed and mulch all disturbed areas. Cost shall be considered Subsidiary to Traffic Signal Installation.

8. Contractor is responsible for obtaining all applicable permits for the installation of Traffic Signals and for all fees associatied with obtaining the permits.

9. Westar Energy Meter Addresses: 2989 N. Webb Rd.

10. No Joint Use Poles (Luminaire Poles).

UTILITIES

CATV –	*Cox Communications (Cable)*	*262–0661*
E –	*Westar Energy (Electric)*	*261–6512*
G –	*Kansas Gas Service (Gas)*	*832–3101*
G –	*Williams Pipeline (Gas)*	*529–6601*
SS & W –	*City of Wichita Water & Sewer Dept.*	*268–6000*
SWS –	*City of Wichita Stormwater Uitlity*	*268–4071*
T –	*SBC (Telephone)*	*800–870–8390*

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MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

WEBB ROAD @ 29TH. STREET
PROJECT NAME

GENERAL NOTES
SHEET TITLE

ASH	WNJ	GJA
DESIGN BY:	DRAWN BY:	CHECKED BY:
Jan. 2003	WEBBNOT	2 / 9
DATE	JOB NO.	SHEET/OF