

STATE OF KANSAS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL IMPROVEMENTS AT
N. ST. FRANCIS STREET & E. 1ST STREET NORTH
S. MARKET STREET & E. ENGLISH STREET
S. MARKET STREET & E. LEWIS STREET

FEDERAL AID PROJECT
CITY OF WICHITA, KANSAS
SEDGWICK COUNTY

PROJECT NO: 472-83367 OCA: 710215

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0275-01	2002	1	18

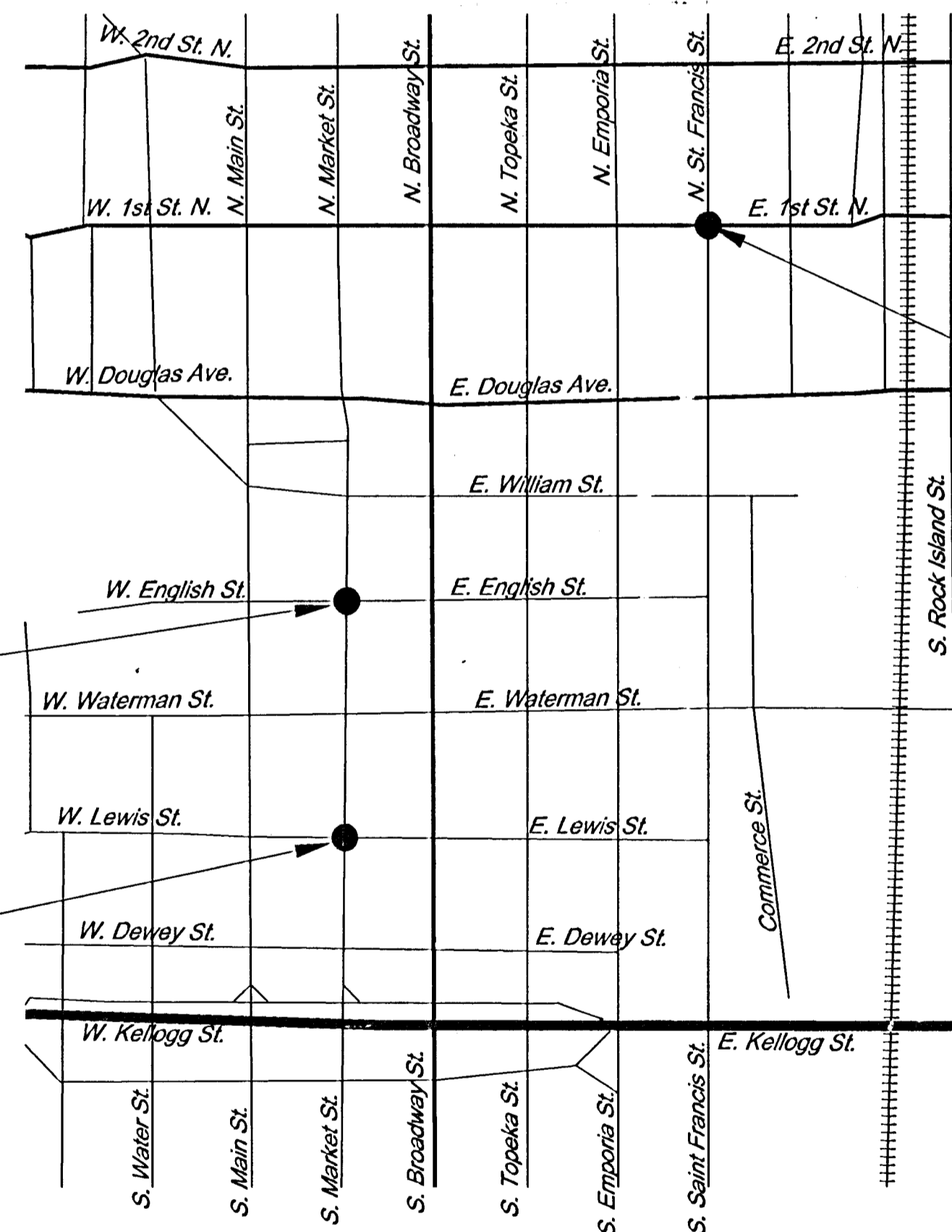
KDOT PROJ. NO. 87 N-0275-01
FEDERAL PROJ. NO. STP-N027(501)

NOTE: TRAFFIC WILL BE CARRIED THROUGH CONSTRUCTION IN ACCORDANCE WITH CONSTRUCTION SEQUENCE.

INDEX OF SHEETS

Sh. No.	Description
1	Title Sheet
2	General Notes
3	Traffic Signal Plan - St. Francis St. & 1st St. North
4	Traffic Signal Plan - Market St. & English St.
5	Traffic Signal Plan - Market St. & Lewis St.
6	Bill of Materials
7-9	Traffic Signal Details
10-15	Traffic Signal Specifications
16-18	Traffic Control Plans

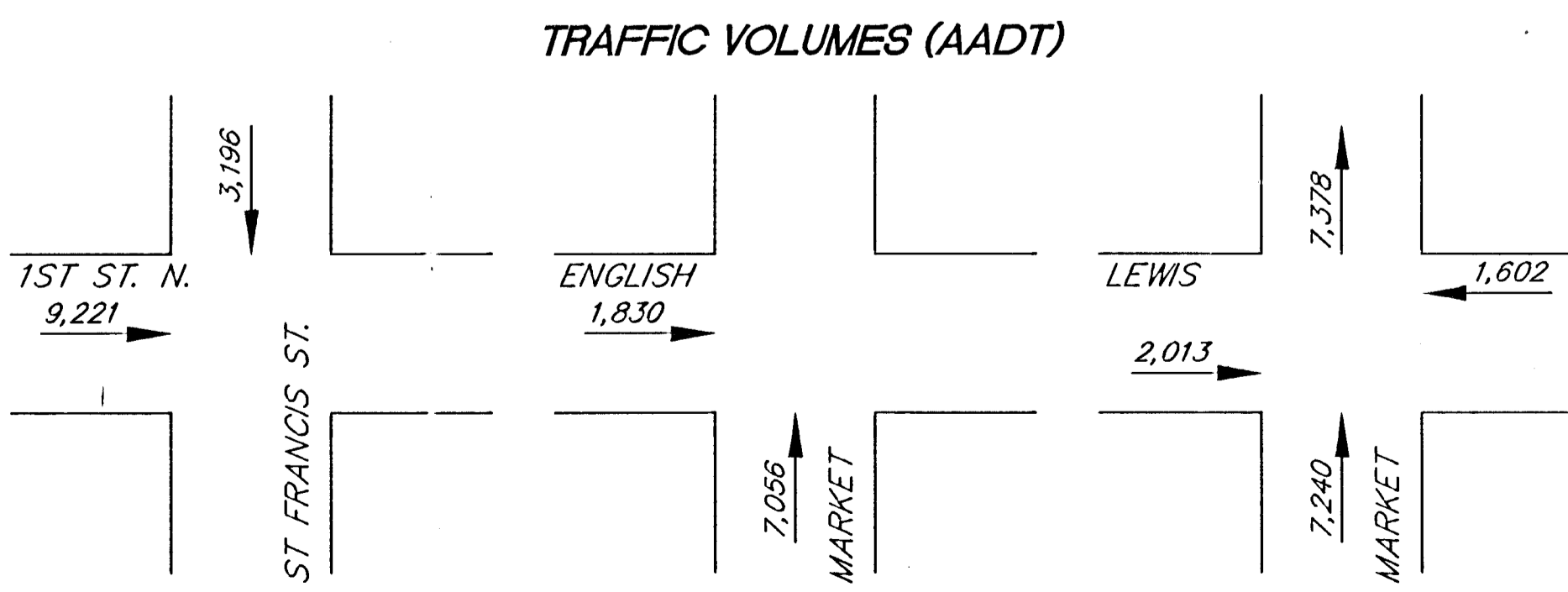
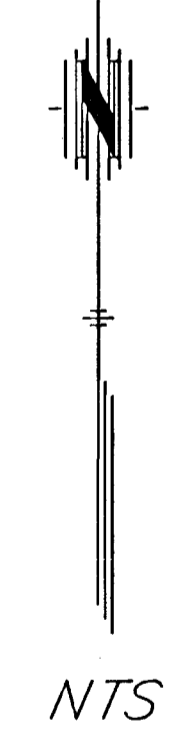
SUMMARY OF QUANTITIES	
ITEM	QUANTITY
1. PEDESTAL MOUNTED CONTROLLER & CABINET	EACH 3
2. TRAFFIC SIGNAL HEAD W/ MOUNTING HARDWARE	EACH 47
3. TRAFFIC SIGNAL POLE (9m [30'] STEEL JOINT-USE) W/ MAST ARM	EACH 7
4. TRAFFIC SIGNAL POLE (9m [30'] STEEL JOINT-USE) NO MAST ARM	EACH 5
5. CONCRETE FOOTING - POLE	EACH 12
6. BACK PLATE - 125mm - 3 SECTION	EACH 14
7. SERVICE BOX	EACH 12
8. GROUND ROD & CLAMP	EACH 12
9. RED L.E.D. KIT	EACH 23
10. YELLOW L.E.D. KIT	EACH 23
11. GREEN L.E.D. KIT	EACH 23
12. ORANG./WHITE L.E.D. KIT	EACH 24
13. CIRCUIT BREAKER & BOX - 30 AMP	EACH 3
14. COMMUNICATION CABLE (6-PAIR #19 A.W.G.)	L.M. 15.0
15. MULTI-CONDUCTOR CABLE (#14 A.W.G. 5/c)	L.M. 860.0
16. CONDUIT - PVC 50mm [2"]	L.M. 243.0
17. CONDUIT - RGC 50mm [2"]	L.M. 49.0
18. CONDUIT - RGC 75mm [3"]	L.M. 156.0
19. STANDARD CABLE (#8 A.W.G. 1/c) GROUND	L.M. 240.0
20. REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT	L.S. 1
21. STREET NAME SIGN W/ MOUNTING HARDWARE	EACH 7
22. ONE-WAY SIGN (R6-1) W/ MOUNTING HARDWARE	EACH 12
23. ACUTIME 2000 (RS232)	EACH 1
24. ACUTIME INTERCONNECT CABLE	L.M. 20.0
25. SIDEWALK REMOVE / REPLACE	S.M. 74.0
26. SCREW-IN STREET LIGHT BASE	EACH 1
27.	



PROJECT LOCATION
MARKET ST. & ENGLISH ST.

PROJECT LOCATION
MARKET ST. & LEWIS ST.

PROJECT LOCATION
ST FRANCIS ST. & 1ST ST. N.



CITY POPULATION - 325,000

GROSS LENGTH OF PROJECT	—	km
EXCEPTIONS	—	km
NET LENGTH OF PROJECT	—	m
NET LENGTH OF BRIDGES	—	m
NET LENGTH OF ROAD	—	m



All dimensions shown, without a SI suffix, are in millimeters. All elevations shown are in meters.

APPROVAL - DATE

CITY ENGINEER
CITY OF WICHITA, KANSAS



PLANS PREPARED AND SUBMITTED BY:
GBA GEORGE BUTLER ASSOCIATES, INC.
Engineers - Architects

SCOTT A. CANFIELD, P.E., PTOE
PROJECT DESIGN ENGINEER
18 Jul 02
DATE

RECOM. FOR APPROVAL - DATE

CHIEF, BUREAU OF TRAFFIC ENGINEERING
KANSAS DEPARTMENT OF TRANSPORTATION

APPROVAL - DATE

STATE TRANSPORTATION ENGINEER
KANSAS DEPARTMENT OF TRANSPORTATION