



FORT DODGE, IOWA (NK 15-4)  
FEBRUARY 1964

Base prepared by the Army Map Service (AMS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1953 by photogrammetric methods. Horizontal and vertical control by USC&GS, USGS, and CE. Aerial photography 1949 and 1950. Map field checked 1954.

**HORIZONTAL CONTROL**

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Located Object - Third Order
- See separate index for names of numbered stations
- Station reported not recovered
- Measured Base - Electronic or Taped
- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured Length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Levelling Third Order

**VERTICAL CONTROL**

- First Order
- Second Order
- Third Order

**STATE SURVEY CONTROL**

- Horizontal or Vertical

**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

**TRANSVERSE MERCATOR PROJECTION**

**LEGEND ROAD DATA 1954**

- ROADS: Hard surface, heavy duty; More than two lanes wide; Two lanes wide; Federal route marker; Hard surface, medium duty; More than two lanes wide; Two lanes wide; State route marker; Improved light duty; Unimproved dirt; Trail
- RAILROADS: Single track; Double or Multiple Standard gauge; Narrow gauge
- BOUNDARIES: International; State; County; Park or reservation
- Landmarks: School; Church; Other; Horizontal control point; Spot elevation in feet; Marsh or swamp; Intermittent or dry stream; Power line

**LOCATION DIAGRAM FOR NK 15-4**

**INDEX TO COUNTY BOUNDARIES**

42	095	4	42	095	1	42	094	4	42	094	1
42	095	3	42	095	2	42	094	3	42	094	2
4	1	5	12	1	19	20					

**COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION**

**INDEX TO COUNTY BOUNDARIES**

42	095	4	42	095	1	42	094	4	42	094	1
42	095	3	42	095	2	42	094	3	42	094	2
4	1	5	12	1	19	20					

ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C.

**GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION**

**INDEX TO COUNTY BOUNDARIES**

42	095	4	42	095	1	42	094	4	42	094	1
42	095	3	42	095	2	42	094	3	42	094	2
4	1	5	12	1	19	20					

ORDER CONTROL DATA IN RED BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON 25, D.C.

**COUNTY DESIGNATIONS**

- 1 Sioux
- 2 Plymouth
- 3 Woodbury
- 4 Waukegan
- 5 Crawford
- 6 Ida
- 7 Cherokee
- 8 Clay
- 10 Boone
- 11 Sac
- 12 Carroll
- 13 Calhoun
- 14 Pocahontas
- 15 Pottawattamie
- 16 Keosauqua
- 17 Humboldt
- 18 Webster
- 19 Greene
- 20 Boone

**FORT DODGE, IOWA (NK 15-4)**  
FEBRUARY 1964

USCOMM-CGS-DC-A-5026

U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE JUL 1966

## INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

QUADS 420941-2-3-4 & 420951-2-3-4  
 IOWA  
 LATITUDE 42 00' TO 43 00'  
 LONGITUDE 94 00' TO 96 00'  
 DIAGRAM NK 15-4 FORT DODGE

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1	FORT DODGE BOOSTER TANK	420941	1015
1	FORT DODGE LUTHERAN CHURCH SPIRE	420941	1017
2	FURT DODGE CORPUS CHRISTI CATH CH SPIRE	420941	1016
3	LUVERNE MUNICIPAL WATER TANK	420941	1019
4	FORT DODGE SOY BEAN MILL CONCRETE STACK	420942	1004
5	FORT DODGE U S GYPSUM CO TANK	420942	1005
6	CARROLL ST JOSEPHS CHURCH BELFRY	420943	1021
7	CARROLL ST PETER AND PAULS CHURCH	420943	1022
8	CARROLL COUNTY COURTHOUSE TOWER	420943	1015
8	CARROLL HEAT POWER AND LIGHT CO STACK	420943	1016
9	ROCKWELL CITY MUNICIPAL TANK	420943	1033
9	ROCKWELL CITY ST FRANCIS SCHOOL BELFRY	420943	1035
10	ROCKWELL CITY WOMENS REFORMATORY TANK	420943	1034
11	CARROLL KCIM RADIO MAST NE OF 3	420943	1017
11	CARROLL KCIM RADIO MAST CENTER OF 3	420943	1018
11	CARROLL KCIM RADIO MAST SW OF 3	420943	1019
12	LIDDERDALE IMMANUEL LUTH CHURCH SPIRE	420943	1026
13	LYTTON EMANUEL + ST JOHN LUTH CH SPIRE	420943	1032
14	ROSELLE CHURCH OF THE HOLY ANGEL	420943	1036
15	ST PETERS EVANGELICAL LUTHERAN CH SPIRE	420943	1037
16	FONDA OUR LADYS GOOD COUNSEL CH SPIRE	420944	1018
17	LAURENS MUNICIPAL TANK WOOD	420944	1020
17	LAURENS MUNICIPAL TANK STEEL	420944	1021
18	POCAHONTAS MUNICIPAL TANK	420944	1026
18	POCAHONTAS SACRED HEART CATH CH SPIRE	420944	1027
19	POMEROY IMMANUEL LUTHERAN CHURCH SPIRE	420944	1028
20	STCRM LAKE ST POLICE RAD STA KAA 971 MAST	420951	1026
21	STCRM LAKE RADIO STATION KAYL MAST	420951	1027
22	STCRM LAKE ST MARYS CATHOLIC CH SPIRE	420951	1025
23	ARCADIA ST JOHNS CATH CHURCH STEEPLE	420952	1027
24	DENISON SMALL MUNICIPAL WATER TANK	420952	1030
25	IDA GROVE COUNTY COURTHOUSE STEEPLE	420952	1033
25	IDA GROVE MUNICIPAL STANDPIPE	420952	1035
26	IDA GROVE IOWA PUBLIC SERVICE STACK	420952	1034
27	SAC CITY HIGH SCHOOL CUPOLA	420943	1039
27	SAC CITY MUNICIPAL STANDPIPE	420952	1038
28	SCHALLER MUNICIPAL WATER TANK	420952	1039
29	BATTLE CREEK MUNICIPAL WATER TANK	420953	1020
30	RICKETTS IMM EV LUTH KIRCHE STEEPLE	420953	1025
31	CHEROKEE MUNICIPAL WATER TANK	420954	1018

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
32	CHEROKEE STATE ASYLUM ADMIN BLDG DOME	420954	1019
32	CHEROKEE STATE INSANE ASYLUM STACK	420954	1020
32	CHEROKEE STATE ASYLUM WATER TANK	420954	1021
33	MARCUS HOLY NAME CATH CH SHORTER SPIRE	420954	1026
33	MARCUS HOLY NAME CATH CH TALLER SPIRE	420954	1027
34	REMSEN MUNICIPAL WATER TANK	420954	1030
34	REMSEN ST MARYS CATHOLIC CHURCH SPIRE	420954	1031
35	HENRY 2	420954	1007