

Base prepared by the Army Map Service (KGB), Corps of Engineers, U. S. Army, Washington, D. C. Contained in 1956 by photogrammetric methods and from: United States Quadrangles, 1:50,000; U. S. Geological Survey and Missouri River Commission, 1:50,000; United States Quadrangles, 1:25,000; U. S. Geological Survey, 1:50,000; Missouri, 1:25,000; AMS, 1:50,000; Missouri, 1:50,000; AMS, 1:50,000. Horizontal and vertical control by USGS, USCGS, and CE. Maps and photography field annotated 1954. 100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS — MISSOURI EAST — MISSOURI CENTRAL — ILLINOIS WEST

HORIZONTAL CONTROL
Coast & Geodetic Survey
Geological Survey

- ▲ 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 Leveling Third Order

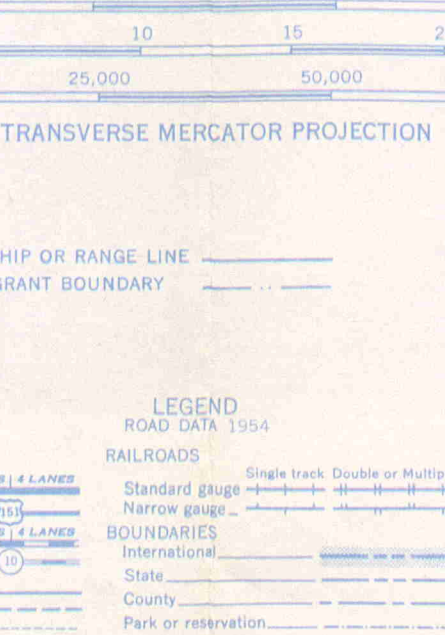
VERTICAL CONTROL
Coast & Geodetic Survey
Geological Survey

- First Order
- Second Order
- Third Order

SECTIONIZED TOWNSHIP

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

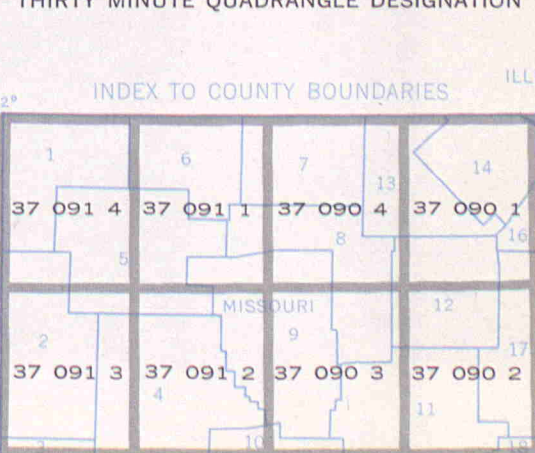
TRANSVERSE MERCATOR PROJECTION



LEGEND
ROAD DATA 1954

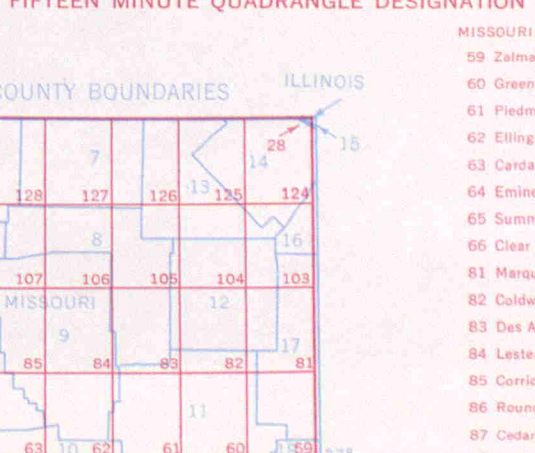
- Single Track, Double or Multiple
- Standard gauge
- Narrow gauge
- Street
- Interurban
- State
- County
- Park or reservation
- Landmarks: School, Church, Other...
- Horizontal control point
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

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



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**



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

ROLLA, MISSOURI, ILLINOIS (NJ 15-9)
JUNE 1965

USCGM COIS-OC A-1516

ROLLA, MISSOURI, ILLINOIS
JUNE 1965

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE SEP 1967

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

Page 1
 QUADS 370901-2-3-4 & 370911-2-3-4
 LATITUDE 37° 00' TO 38° 00'
 LONGITUDE 90° 00' TO 92° 00'
 DIAGRAM NJ 15-9 ROLLA

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|---|-----------|-------------|
| 1 | AIRPORT BEACON FARMINGTON MUN AIRPORT | 370901 | 1005 |
| 1 | FARMINGTON MUN AIRPORT UHF RAD TWR RM ONE | 370901 | 1005 |
| 2 | KNOB LICK FIRE TOWER USFS | 370901 | 1031 |
| 3 | CITIZENS ELECTRIC CORP RAD STA KAA 737 | 370901 | 1022 |
| 4 | FARMINGTON MUNICIPAL WATER TANK | 370901 | 1024 |
| 5 | FARMINGTON RADIO STA KREI MAST | 370901 | 1025 |
| 6 | FARMINGTON STATE MENTAL HOSPITAL STACK | 370901 | 1026 |
| 7 | FARMINGTON STATE MENTAL HOSPITAL WATER TANK | 370901 | 1027 |
| 8 | FREDERICKTOWN MUNICIPAL WATER TANK | 370901 | 1028 |
| 9 | FREDERICKTOWN TALL BRICK STACK | 370901 | 1029 |
| 10 | MEMPHIS ST LOUIS AIRWAY BEACON NO 55 | 370901 | 1033 |
| 11 | STE GENEVIEVE CATHOLIC CHURCH SPIRE | 370901 | 1034 |
| 12 | STE GENEVIEVE MUNICIPAL WATER TOWER | 370901 | 1035 |
| 13 | STE GENEVIEVE MUNICIPAL WATER TANK | 370901 | 1036 |
| 14 | STE GENEVIEVE RADIO STA KSGM NORTH MAST | 370901 | 1037 |
| 14 | STE GENEVIEVE RADIO STA KSGM SOUTH MAST | 370901 | 1038 |
| 15 | COTTENER FIRE TOWER | 370902 | 1003 |
| 15 | COTTENER LOOKOUT TOWER | 370902 | 1003 |
| 16 | DESLOGE ST JOSEPH LEAD CO STACK | 370904 | 1029 |
| 16 | DESLOGE ST JOSEPH LEAD CO WATER TANK | 370904 | 1030 |
| 17 | FLAT RIVER UNION ELECTRIC RADIO MAST | 370904 | 1034 |
| 18 | DESLOGE SCHOOL CHIMNEY | 370904 | 1031 |
| 19 | FLAT RIVER RADIO STATION KFMO MAST | 370904 | 1033 |
| 20 | FLAT RIVER MUNICIPAL STANDPIPE | 370904 | 1032 |
| 21 | LEADWOOD ST JOSEPH LEAD CO WATER TANK | 370904 | 1035 |
| 22 | POTOSI MUNICIPAL STANDPIPE | 370904 | 1036 |
| 23 | POTOSI BROWN SHOE CO STEEL WATER TANK | 370904 | 1037 |
| 24 | POTOSI BROWN SHOE CO WOOD WATER TANK | 370904 | 1038 |
| 25 | LICKING GRADE SCHOOL CHIMNEY | 370913 | 1006 |
| 25 | LICKING HIGH SCHOOL CUPOLA | 370913 | 1007 |
| 25 | LICKING MUNICIPAL WATER TANK | 370913 | 1005 |
| 26 | ROLLA MO SCH OF MINES POWERHOUSE STACK | 370914 | 1038 |
| 27 | ST JAMES MUNICIPAL WATER TANK | 370914 | 1042 |
| 28 | SALEM MUNICIPAL WATER TANK | 370914 | 1040 |
| 28 | SALEM MUNICIPAL WATER TANK LIGHT | 370914 | 1041 |
| 29 | TULSA ST LOUIS AIRWAY BEACON NO 59 | 370914 | 1044 |
| 30 | ROLLA J S AND SHINKLE SHOE CO WATER TANK | 370914 | 1036 |
| 30 | ROLLA MO SCH OF MINES POWER PLANT STACK | 370914 | 1037 |
| 30 | ROLLA MO SCHOOL OF MINES WATER TANK | 370914 | 1039 |
| 31 | WINONA MUNICIPAL WATER TANK | 370912 | 1028 |

| KEY NO. | STATION NAME | QUAD. NO. | STATION NO. |
|---------|-------------------------------------|-----------|-------------|
| 32 | STEGALL LOOKOUT TOWER | 370912 | 1026 |
| 33 | FIRE TOWER NO ONE | 370903 | 1004 |
| 33 | MUDLICK | 370903 | 1006 |
| 33 | MUDLICK LOOKOUT TOWER | 370903 | 1007 |
| 34 | TAUM SAUK RADIO STATION KDT 42 MAST | 370904 | 1040 |