

DESIGN DESIGNATION

A.A.D.T. - 2024 = 766  
A.A.D.T. - 2044 = 1226  
T = 11.7%  
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION-RURAL MAJOR COLLECTOR

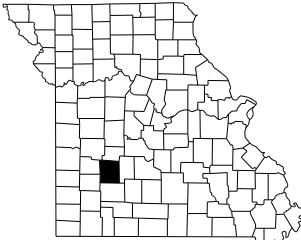
NORMAL RIGHT OF WAY

CONVENTIONAL SYMBOLS  
(USED IN PLANS)

|                              | EXISTING | NEW   |
|------------------------------|----------|-------|
| BUILDINGS AND STRUCTURES     |          |       |
| GUARD RAIL                   |          |       |
| GUARD CABLE                  |          |       |
| CONCRETE RIGHT-OF-WAY MARKER |          |       |
| STEEL RIGHT-OF-WAY MARKER    |          |       |
| LOCATION SURVEY MARKER       |          |       |
| UTILITIES                    |          |       |
| FIBER OPTICS                 | -FO-     | -FO-  |
| OVERHEAD CABLE TV            | -OTV-    | -OTV- |
| UNDERGROUND CABLE TV         | -UTV-    | -UTV- |
| OVERHEAD TELEPHONE           | -OT-     | -OT-  |
| UNDERGROUND TELEPHONE        | -UT-     | -UT-  |
| OVERHEAD POWER               | -OE-     | -OE-  |
| UNDERGROUND POWER            | -UE-     | -UE-  |
| SANITARY SEWER               | -S-      | -S-   |
| STORM SEWER                  | -SS-     | -SS-  |
| GAS                          | -G-      | -G-   |
| WATER                        | -W-      | -W-   |
| MANHOLE                      |          |       |
| FIRE HYDRANT                 |          |       |
| WATER VALVE                  |          |       |
| WATER METER                  |          |       |
| DROP INLET                   |          |       |
| DITCH BLOCK                  |          |       |
| GROUND MOUNTED SIGN          |          |       |
| LIGHT POLE                   |          |       |
| H-FRAME POWER POLE           |          |       |
| TELEPHONE PEDESTAL           |          |       |
| FENCE                        |          |       |
| CHAIN LINK                   |          |       |
| WOVEN WIRE                   |          |       |
| GATE POST                    |          |       |
| BENCHMARK                    |          |       |

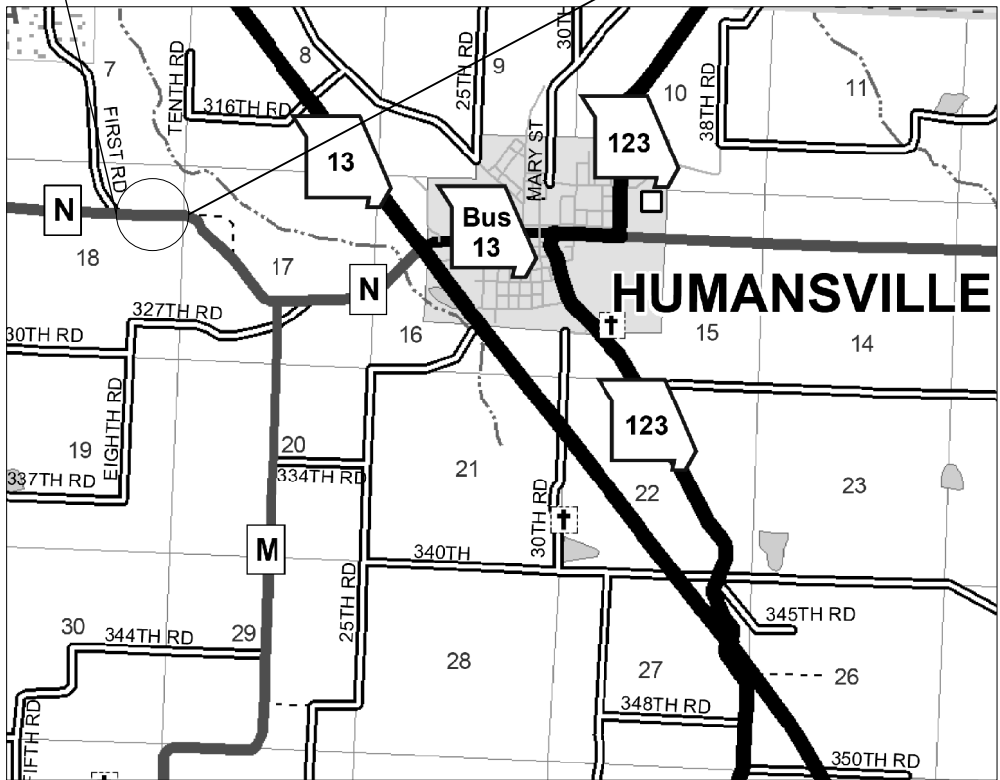
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
POLK COUNTY



KEY MAP  
LOCATION OF POLK COUNTY

BEGIN PROJECT STA. 46+30.00  
PROJECT LIMITS BRIDGE A9574  
BRIDGE REPLACEMENT, EMBANKMENT,  
PAVING, PAVEMENT MARKING, GUARDRAIL  
ROUTE N  
END PROJECT STA. 54+80.00



SEC 18, T35N, R24W

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

| DESCRIPTION                     | SHEET NUMBER |
|---------------------------------|--------------|
| TITLE SHEET                     | 1            |
| TYPICAL SECTIONS (TS) (1 SHEET) | 2            |
| QUANTITIES (QU) (3 SHEETS)      | 3            |
| PLAN-PROFILE (PP)               | 4            |
| RIGHT OF WAY (RW)               | 5            |
| REFERENCE POINTS (RP)           | 6            |
| COORDINATE POINTS (CP)          | 7            |
| SPECIAL SHEETS (SS)             | 8-11         |
| TRAFFIC CONTROL SHEETS (TC)     | 12-14        |
| EROSION CONTROL SHEETS (EC)     | 15           |
| SIGNING (SN)                    | 16-19        |
| PAVEMENT MARKING (PM)           | 20           |
| CULVERT SECTIONS (CS)           | 21           |
| BRIDGE DRAWINGS (B)             |              |
| A9574                           | 1-26         |
| CROSS SECTIONS (XS)             | 1-9          |

LENGTH OF PROJECT

|                           |               |
|---------------------------|---------------|
| BEGINNING OF PROJECT      | STA. 46+30.00 |
| END OF PROJECT            | STA. 54+80.00 |
| APPARENT LENGTH           | 850.00 FEET   |
| EQUATIONS AND EXCEPTIONS: |               |

|                   |
|-------------------|
| TOTAL CORRECTIONS |
|-------------------|



| CLEARING & GRUBBING |          |       |                  |         |
|---------------------|----------|-------|------------------|---------|
| STATION             | LOCATION | SIDE  | QUANTITY<br>(AC) | REMARKS |
| 46+30 TO 51+20      | RTE N    | LT/RT | 1.0              |         |
| 51+20 TO 54+80      | RTE N    | LT/RT | 0.5              |         |
|                     |          |       |                  |         |
| TOTAL               |          |       | 1.5              |         |
| PAY TOTAL           |          |       | 2                |         |

| MOBILIZATION |   |
|--------------|---|
| LUMP SUM     | 1 |

| CONTRACTOR FURNISHED<br>SURVEYING & STAKING |   |
|---------------------------------------------|---|
| LUMP SUM                                    | 1 |

| MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB) |          |      |                  |                |
|----------------------------------------------------------|----------|------|------------------|----------------|
| STATION                                                  | LOCATION | SIDE | QUANTITY<br>(EA) | REMARKS        |
| 50+51                                                    | RTE N    | LT   | 1                | LENGTH = 37.5' |
| 50+51                                                    | RTE N    | RT   | 1                | LENGTH = 37.5' |
| 51+77                                                    | RTE N    | LT   | 1                | LENGTH = 37.5' |
| 51+77                                                    | RTE N    | RT   | 1                | LENGTH = 37.5' |
|                                                          |          |      |                  |                |
| PAY TOTAL                                                |          |      | 4                |                |

| REMOVAL OF IMPROVEMENTS |          |       |          |                                      |
|-------------------------|----------|-------|----------|--------------------------------------|
| STATION                 | LOCATION | SIDE  | QUANTITY | REMARKS                              |
| 50+43 TO 50+63          | RTE N    | LT/RT | -        | REMOVE EXISTING BRIDGE APPROACH SLAB |
| 51+65 TO 51+85          | RTE N    | LT/RT | -        | REMOVE EXISTING BRIDGE APPROACH SLAB |
| 47+00 TO 54+25          | RTE N    | LT/RT | -        | REMOVE EXISTING FENCE                |
| 50+10 TO 51+75          | RTE N    | RT/LT | -        | REMOVE EXISTING SIGNS (7 EACH)       |
| 53+50                   | RTE N    | LT    | -        | REMOVE EXISTING CULVERT              |
|                         |          |       |          |                                      |
| PAY TOTAL               |          |       | 1        |                                      |

| TYPE 1 AGGREGATE FOR BASE (6 IN. THICK) |          |       |               |                  |         |
|-----------------------------------------|----------|-------|---------------|------------------|---------|
| STATION                                 | LOCATION | SIDE  | WIDTH<br>(FT) | QUANTITY<br>(SY) | REMARKS |
| 46+30 TO 50+43                          | RTE N    | LT/RT | 26            | 1192             |         |
| 51+85 TO 54+80                          | RTE N    | LT/RT | 26            | 852              |         |
|                                         |          |       |               |                  |         |
| PAY TOTAL                               |          |       |               | 2044             |         |

| OPTIONAL PAVEMENT |          |       |               |                  |         |
|-------------------|----------|-------|---------------|------------------|---------|
| STATION           | LOCATION | SIDE  | WIDTH<br>(FT) | QUANTITY<br>(SY) | REMARKS |
| 46+30 TO 50+43    | RTE N    | LT/RT | 26            | 1192             |         |
| 51+85 TO 54+80    | RTE N    | LT/RT | 26            | 852              |         |
|                   |          |       |               |                  |         |
| PAY TOTAL         |          |       |               | 2044             |         |

| PERMANENT PAVEMENT MARKING |          |      |                                                                       |                                                                       |                         |
|----------------------------|----------|------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|
| STATION                    | LOCATION | SIDE | 4" YELLOW SANDARD<br>CLASS 1 PAVEMENT MARKING<br>TYPE P BEADS<br>(LF) | 4" WHITE STANDARD<br>CLASS 1 PAVEMENT MARKING<br>TYPE P BEADS<br>(LF) | REMARKS                 |
|                            |          |      |                                                                       |                                                                       |                         |
| 46+30 TO 54+80             | RTE N    | ℄    | 1700                                                                  |                                                                       | DOUBLE SOLID CENTERLINE |
| 46+30 TO 54+80             | RTE N    | LT   |                                                                       | 850                                                                   | SOLID EDGE LINE (NORTH) |
| 46+30 TO 54+80             | RTE N    | RT   |                                                                       | 850                                                                   | SOLID EDGE LINE (SOUTH) |
|                            |          |      |                                                                       |                                                                       |                         |
| PAY TOTAL                  |          |      | 1700                                                                  | 1700                                                                  |                         |

| PERMANENT EROSION CONTROL |          |      |                                                  |                                               |                                              |                                           |                                                    |    |
|---------------------------|----------|------|--------------------------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------------|----------------------------------------------------|----|
| STATION                   | LOCATION | SIDE | FURNISHING<br>TYPE 1 ROCK<br>DITCH LINER<br>(CY) | PLACING<br>TYPE 1 ROCK<br>DITCH LINER<br>(CY) | FURNISHING<br>TYPE 2 ROCK<br>BLANKET<br>(CY) | PLACING<br>TYPE 2 ROCK<br>BLANKET<br>(CY) | PERMANENT<br>EROSION CONTROL<br>GEOTEXTILE<br>(SY) | RE |

| TEMPORARY EROSION CONTROL |          |       |                    |                     |                          |                               |         |
|---------------------------|----------|-------|--------------------|---------------------|--------------------------|-------------------------------|---------|
| STATION                   | LOCATION | SIDE  | SILT FENCE<br>(LF) | TYPE C BERM<br>(LF) | SEDIMENT REMOVAL<br>(CY) | ALTERNATE DITCH CHECK<br>(LF) | REMARKS |
| 46+30 TO 50+82            | RTE N    | LT    | 460                |                     | 4.6                      |                               |         |
| 50+92                     | RTE N    | LT/RT |                    | 126                 |                          |                               |         |
| 51+29                     | RTE N    | LT/RT |                    | 128                 |                          |                               |         |
| 48+75 TO 50+20            | RTE N    | RT    |                    |                     | 5.0                      | 50                            |         |
| 52+10 TO 54+50            | RTE N    | LT    |                    |                     | 8.0                      | 80                            |         |
| 52+05 TO 54+50            | RTE N    | RT    |                    |                     | 11.0                     | 110                           |         |
|                           |          |       |                    |                     |                          |                               |         |
|                           |          |       |                    |                     |                          |                               |         |
| TOTAL                     |          |       | 460                | 254                 | 28.6                     | 240                           |         |
| PAY TOTAL                 |          |       | 460                | 254                 | 29                       | 240                           |         |

| PIPE CULVERTS |                |      |                             |                                              |         |
|---------------|----------------|------|-----------------------------|----------------------------------------------|---------|
| STATION       | LOCATION       | SIDE | 18 IN. Ø<br>GROUP C<br>(LF) | 18 IN. FLARED END<br>SECTION GROUP C<br>(EA) | REMARKS |
| 0+20          | FIELD ENTRANCE | ℄    | 40                          | 2                                            |         |
|               |                |      |                             |                                              |         |
|               |                |      |                             |                                              |         |
| PAY TOTAL     |                |      | 40                          | 2                                            |         |

| ROCK AND GRAVEL |                |       |                        |                                        |             |
|-----------------|----------------|-------|------------------------|----------------------------------------|-------------|
| STATION         | LOCATION       | SIDE  | ROCK<br>LINING<br>(CY) | GRAVEL A OR<br>CRUSHED STONE B<br>(SY) | REMARKS     |
| 0+20            | FIELD ENTRANCE | RT    | 1.9                    |                                        | 1'x4.3'x12' |
| 0+06 TO 0+37    | FIELD ENTRANCE | LT/RT |                        | 74                                     | 4" THICK    |
|                 |                |       |                        |                                        |             |
|                 |                |       |                        |                                        |             |
| TOTAL           |                |       | 1.9                    | 74                                     |             |
| PAY TOTAL       |                |       | 2                      | 74                                     |             |

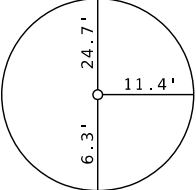
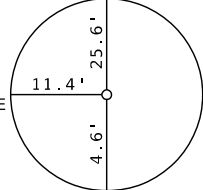
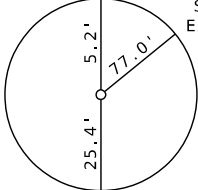
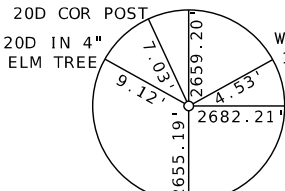
| EARTHWORK                                                                                                                                                                                                                                                                                                                                         |                |       |                                    |                                  |                                |                               |                               |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|------------------------------------|----------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| STATION                                                                                                                                                                                                                                                                                                                                           | LOCATION       | SIDE  | UNCLASSIFIED<br>EXCAVATION<br>(CY) | COMPACTING<br>EMBANKMENT<br>(CY) | EMBANKMENT<br>IN PLACE<br>(CY) | COMPACTING<br>IN CUT<br>(STA) | CLASS 3<br>EXCAVATION<br>(CY) | REMARKS                             |
| 46+30 TO 50+51                                                                                                                                                                                                                                                                                                                                    | RTE N          | LT/RT | 521                                | 1011                             | 2884                           | 4.2                           |                               | EXCESS = 490 CY                     |
| 51+75 TO 54+80                                                                                                                                                                                                                                                                                                                                    | RTE N          | LT/RT | 396                                | 396                              | 402                            | 3.0                           |                               |                                     |
| 50+51 TO 51+75                                                                                                                                                                                                                                                                                                                                    | RTE N          | LT/RT | 684                                | 194                              |                                | 0.2                           |                               | BORROW 490 CY FROM CREEK EXCAVATION |
| 51+43                                                                                                                                                                                                                                                                                                                                             | RTE N          | LT    |                                    |                                  | 9                              |                               |                               | FIELD ENTRANCE                      |
| 0+20                                                                                                                                                                                                                                                                                                                                              | FIELD ENTRANCE | ℄     |                                    |                                  |                                |                               | 23                            | PIPE INSTALL                        |
| 46+30 TO 54+80                                                                                                                                                                                                                                                                                                                                    | RTE N          | LT/RT | 80                                 |                                  |                                |                               |                               | ROUNDING (500 CY/MI)                |
|                                                                                                                                                                                                                                                                                                                                                   |                |       |                                    |                                  |                                |                               |                               |                                     |
| PAY TOTAL                                                                                                                                                                                                                                                                                                                                         |                |       | 1681                               | 1601                             | 3295                           | 7.4                           | 23                            |                                     |
| NOTES:<br>- NO SOIL PROPERTY DATA AVAILABLE. SHRINK/SWELL FACTOR WAS NOT USED IN QUANTITIES SHOWN.<br>UNSUITABLE AND EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM PROJECT SITE BY CONTRACTOR.<br>DISPOSAL SITE SHALL BE APPROVED BY ENGINEER. NO DIRECT PAY.<br><br>- LOCATION FOR STOCKPILE OF EXCAVATED MATERIAL TO BE APPROVED BY ENGINEER. |                |       |                                    |                                  |                                |                               |                               |                                     |

| PAVEMENT RUMBLE STRIPS FOR OPTIONAL PAVEMENT |          |      |                                     |                                   |         |
|----------------------------------------------|----------|------|-------------------------------------|-----------------------------------|---------|
| STATION                                      | LOCATION | SIDE | CENTERLINE<br>RUMBLE STRIP<br>(STA) | EDGELINE<br>RUMBLE STRIP<br>(STA) | REMARKS |
| 46+30 TO 50+43                               | RTE N    | ℄    | 4.1                                 |                                   |         |
| 51+85 TO 54+80                               | RTE N    | ℄    | 3.0                                 |                                   |         |
| 46+30 TO 50+43                               | RTE N    | LT   |                                     | 4.1                               |         |







|  |  |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |  |  |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  | <div><p>ELEV. 874.44</p><div><p>FENCE</p><p>EDGE OF PAVEMENT</p><p>CONTROL POINT - 101<br/>5/8" REBAR</p></div></div> | <div><p>ELEV. 874.71</p><div><p>FENCE</p><p>FIELD ENTRANCE</p><p>EDGE OF PAVEMENT</p><p>CONTROL POINT - 102<br/>5/8" REBAR</p></div></div>                                                                                                                                                                | <div><p>ELEV. 873.56</p><div><p>EDGE OF PAVEMENT</p><p>SW COR.<br/>EXISTING<br/>BRIDGE</p><p>FENCE</p><p>CONTROL POINT - 103<br/>5/8" REBAR</p></div></div> |  |  |
|  |  |                                                                                                                                                                                                                                                                                         | <div><p>SET 5/8" X 2'<br/>IRON REBAR<br/>SW COR SECT 5</p><div><p>20D COR POST</p><p>20D IN 4"<br/>ELM TREE</p><p>WEST END<br/>15" CMP</p><p>SET<br/>5/8" X 2'<br/>IRON<br/>REBAR<br/>CENTER<br/>SECT 8</p><p>80D NAIL<br/>NW CR SECT 17</p><p>EXISTING IRON PIN<br/>DOCUMENT #600-70449</p></div></div> |                                                                                                                                                                                                                                                                                                                                  |  |  |
|  |  |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |  |  |
|  |  |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |  |  |
|  |  |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |  |  |
|  |  |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |  |  |

REFERENCE POINTS  
SHEET 1 OF 1



THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED  
06/30/2026

|                |                |
|----------------|----------------|
| ROUTE<br>N     | STATE<br>MO    |
| DISTRICT<br>SW | SHEET NO.<br>6 |

COUNTY  
POLK

JOB NO.  
JSR0138

CONTRACT ID.

PROJECT NO.

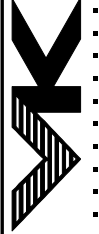
BRIDGE NO.

| DESCRIPTION | DATE |
|-------------|------|
|             |      |
|             |      |
|             |      |
|             |      |
|             |      |
|             |      |
|             |      |
|             |      |
|             |      |

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



**VEENSTRA  
& KIMM INC.**

A Kleinfelder Company

9788 N Ash Avenue  
Kansas City, Missouri 64157  
816-781-6182 816-781-0643 (FAX)  
Certificate of Authority No. 2002006347

















































































