

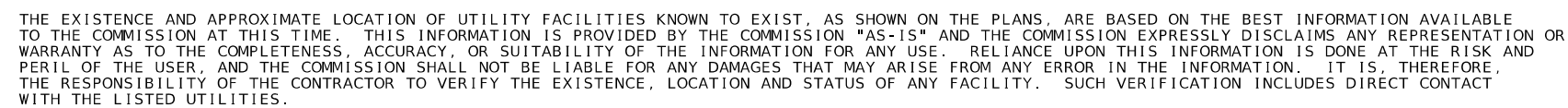
A.A.D.T. - 2023 = 13,732  
A.A.D.T. - 2043 = 15,173  
D.H.V. = 7%  
T = 30%  
V = 45 M.P  
D = 50%

NO ADDITIONAL  
RIGHT-OF-WAY  
WILL BE ACQUIRED  
FOR THIS PROJECT

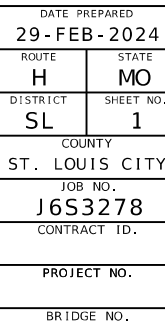
|                              | EXISTING | NEW     |
|------------------------------|----------|---------|
| BUILDINGS AND STRUCTURES     |          |         |
| GUARD RAIL                   |          |         |
| GUARD CABLE                  |          |         |
| CONCRETE RIGHT-OF-WAY MARKER |          |         |
| 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-     |
| REMOVE                       |          | (R)     |
| TO BE REMOVED BY OTHERS      |          | (TBRB0) |
| USE IN PLACE                 |          | (UIP)   |
| 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                    |          |         |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
ST. LOUIS CITY

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|                                     |       |
|-------------------------------------|-------|
| TITLE SHEET -----                   | 1     |
| TYPICAL SECTIONS (TS) (6 SHEETS)--- | 2     |
| QUANTITIES (QU) (13 SHEETS)-----    | 3     |
| PLAN-PROFILE (PP)-----              | 4-12  |
| REFERENCE POINTS (RP)-----          | 13    |
| COORDINATE POINTS (CP)-----         | 14    |
| SPECIAL SHEETS (SS)-----            | 15-19 |
| TRAFFIC CONTROL SHEETS (TC)-----    | 20-28 |
| SIGNALS (SG)-----                   | 29-42 |
| SIGNING & PAVEMENT MARKING (PM)---- | 43-58 |

[illegible]

|                           |      |             |      |
|---------------------------|------|-------------|------|
| BEGINNING OF PROJECT      | STA. | 10 + 00.00  |      |
| END OF PROJECT            | STA. | 201 + 69.57 |      |
| APPARENT LENGTH           |      | 19,169.57   | FEET |
| EQUATIONS AND EXCEPTIONS: |      |             |      |
| STA. 39 + 86.39           | BK = | -9.00       | FEET |
| STA. 39 + 77.39           | AHD  |             |      |

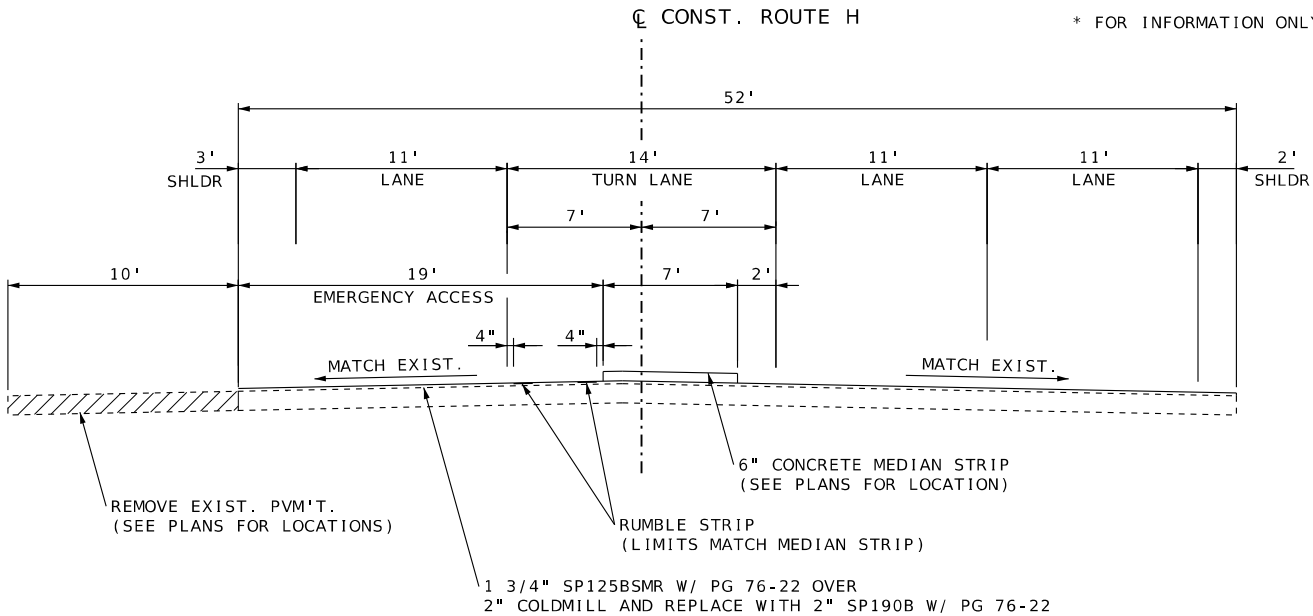
|                           |           |       |
|---------------------------|-----------|-------|
| TOTAL CORRECTIONS         | -9.00     | FEET  |
| NET LENGTH OF PROJECT     | 19,160.57 | FEET  |
| STATE LENGTH              | 3.629     | MILES |
| FOR INFORMATION ONLY      |           |       |
| ESTIMATED DISTURBED ACRES | 3.8       | ACRES |

[illegible]

NOTE:  
THE ENTRANCES SHOWN ON THE LEFT (WEST) SIDE IN PLAN WITHIN THE RESURFACING LIMITS  
OF THE EXISTING ROADWAY SHALL BE RESURFACED THE SAME AS MAINLINE ROUTE H.

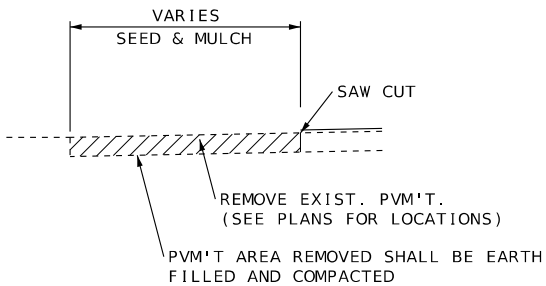
ASPHALT MATERIAL ESTIMATE FACTORS \*  
APSHALTIC CONCRETE MIXTURE PG 76-22 (SP125B MIX) = 1.92 TON/CY COMPACTED MIXTURE  
ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSMR MIX) = 1.92 TON/CY COMPACTED MIXTURE  
ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP190B MIX) = 1.96 TON/CY COMPACTED MIXTURE  
TACK COAT ON NEW ASPHALT SURFACE = 0.05 GAL/SY (UNDILUTED)  
TACK COAT ON CONCRETE SURFACE = 0.08 GAL/SY (UNDILUTED)  
TACK COAT ON COLDMILLED ASPHALT = 0.10 GAL/SY (UNDILUTED)

\* FOR INFORMATION ONLY



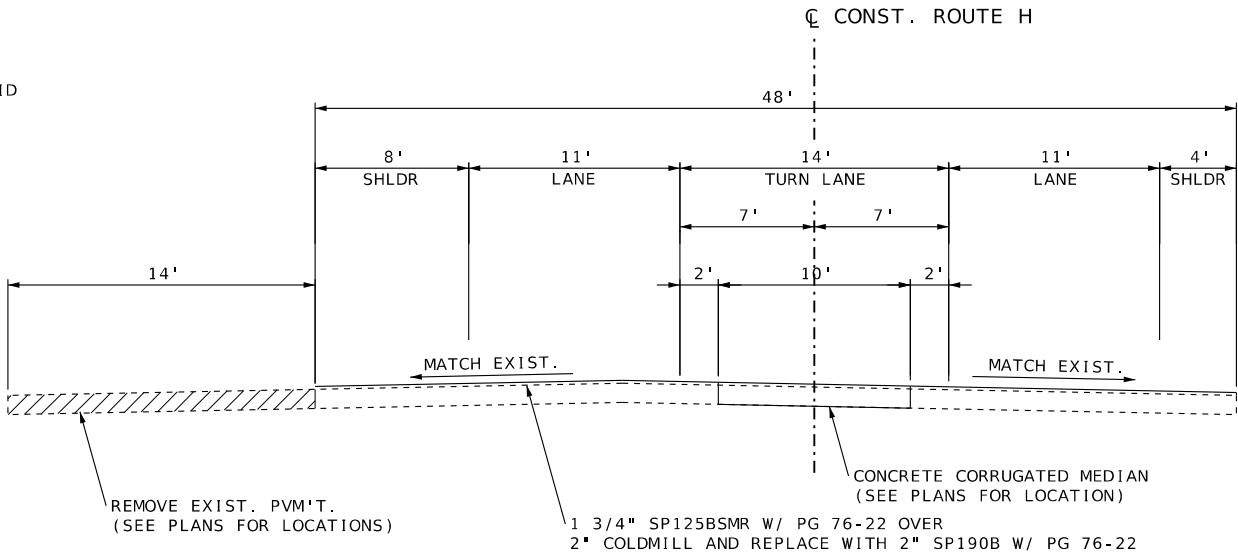
TYPICAL SECTION ROUTE H

STA. 10+00.00 TO STA. 39+77.39



PAVEMENT REMOVAL DETAIL

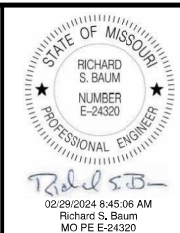
NOTE:  
THE COST TO FILL THE REMOVED AREA SHALL BE PAID  
FOR AS MODIFIED LINEAR GRADING.



TYPICAL SECTION ROUTE H

STA. 39+77.39 TO STA. 82+96.47

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THE PROJECT TO WHICH THIS PAGE REFERS.



|                              |                |
|------------------------------|----------------|
| DATE PREPARED<br>29-FEB-2024 |                |
| ROUTE<br>H                   | STATE<br>MO    |
| DISTRICT<br>SL               | SHEET NO.<br>2 |
| COUNTY<br>ST. LOUIS CITY     |                |
| JOB NO.<br>J6S3278           |                |
| CONTRACT ID.                 |                |
| PROJECT NO.                  |                |
| BRIDGE NO.                   |                |

| DESCRIPTION | DATE |
|-------------|------|
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

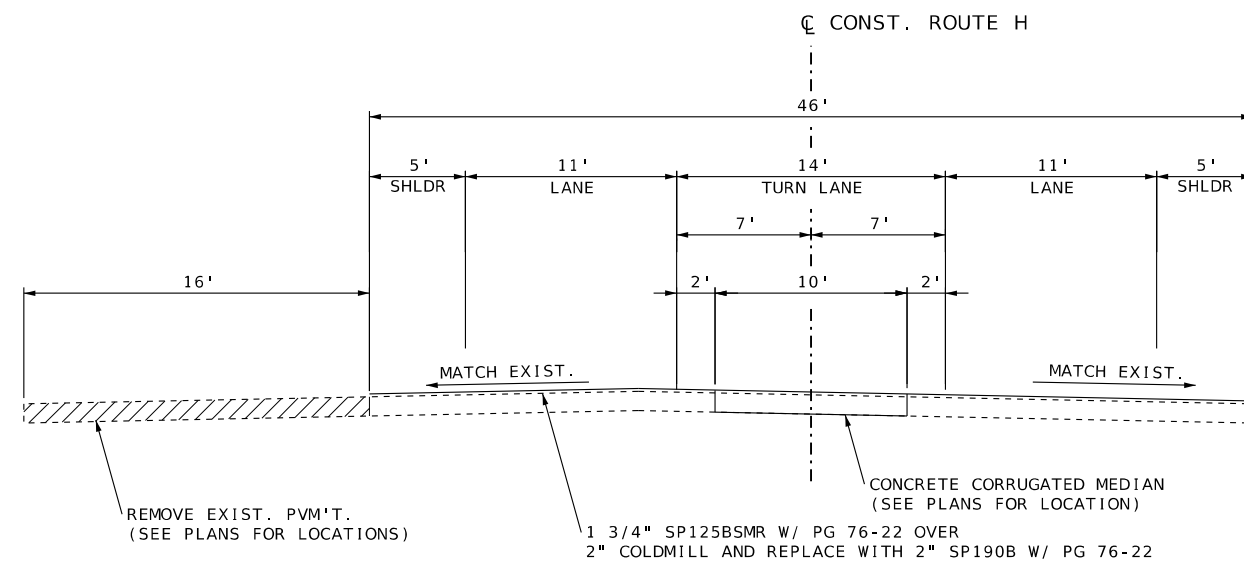
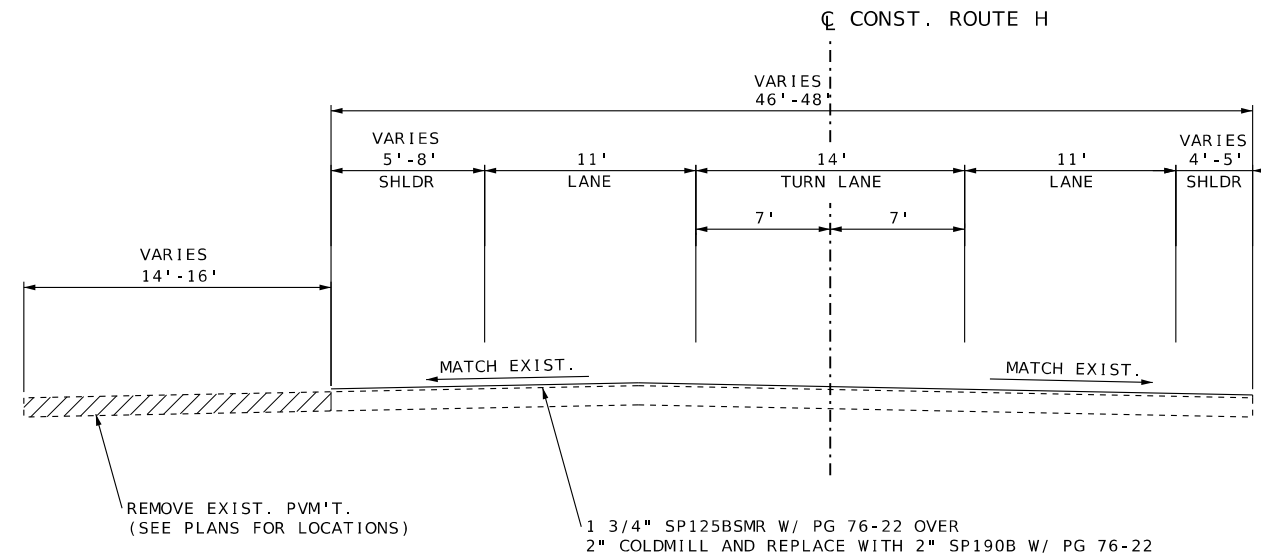
MoDOT

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

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

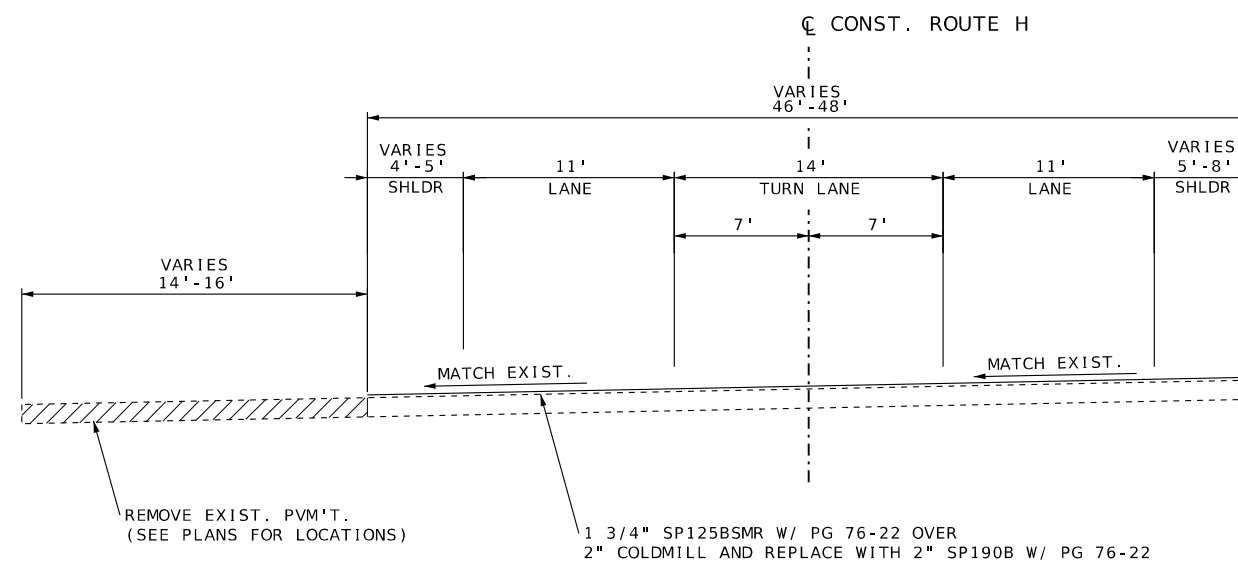
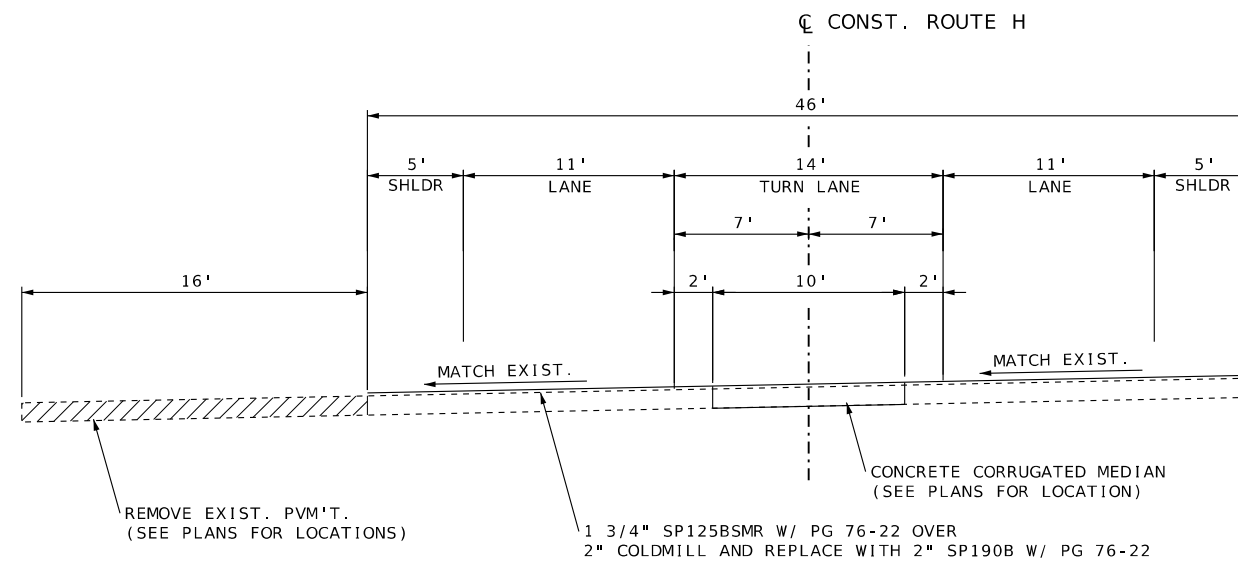
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DISCLAIMER

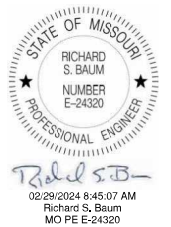
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DATE PREPARED  
29-FEB-2024

|       |       |
|-------|-------|
| ROUTE | STATE |
| H     | MO    |

|          |           |
|----------|-----------|
| DISTRICT | SHEET NO. |
| SL       | 2         |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

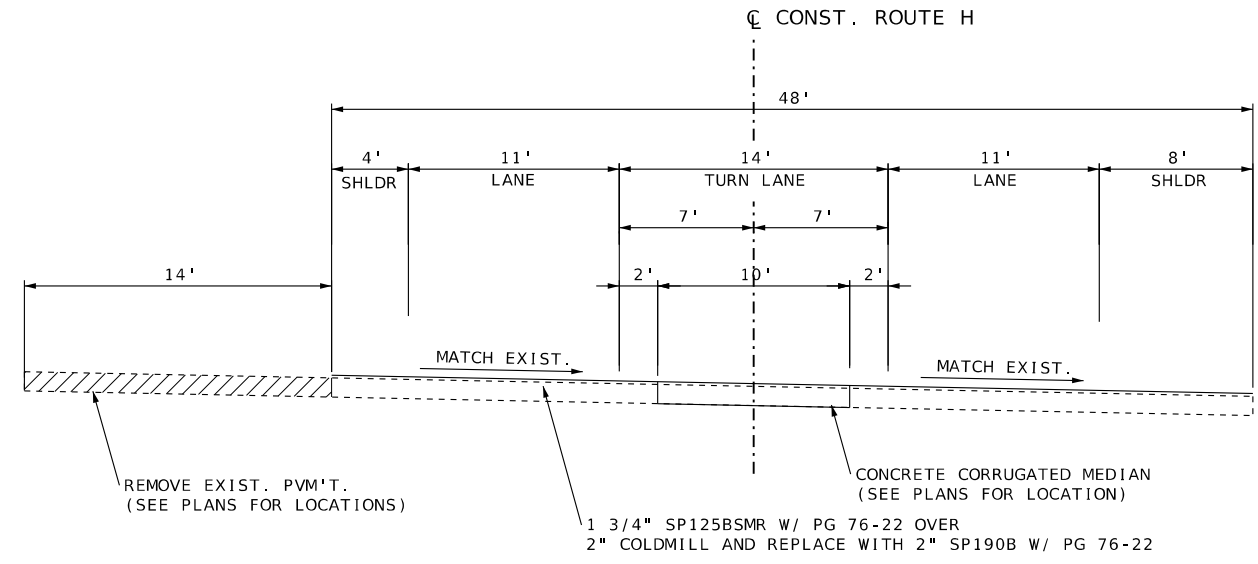
**Jacobs.**  
JACOBS ENGINEERING GROUP

001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
JACOBS ENGINEERING GROUP  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

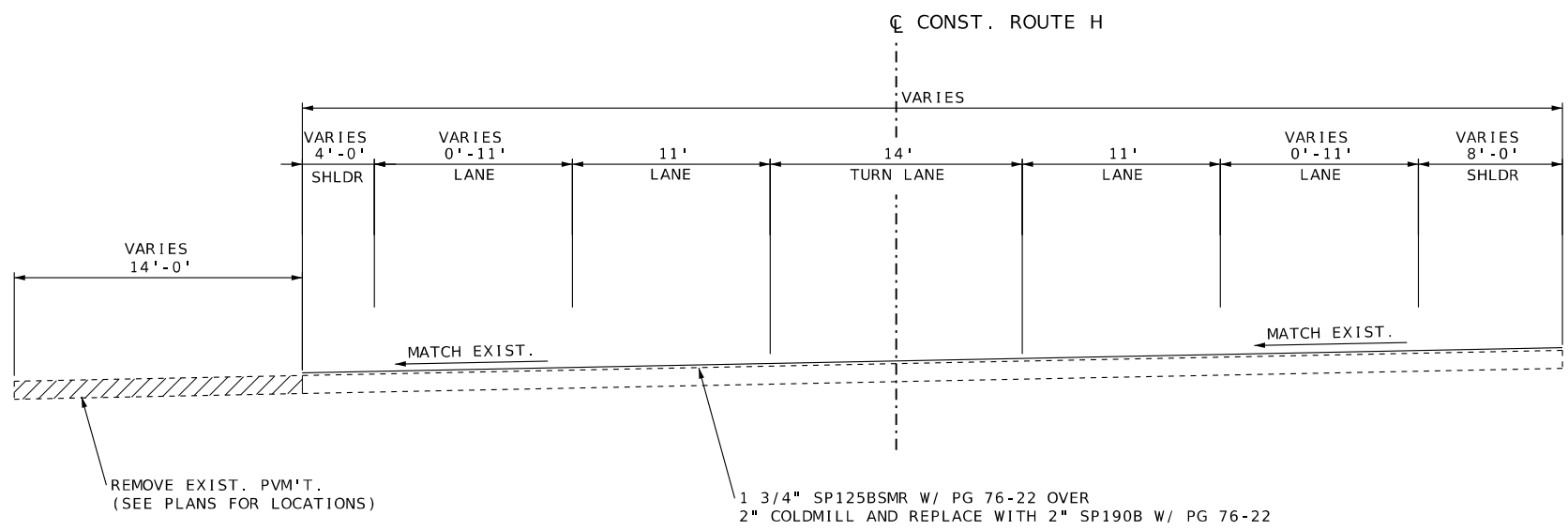
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





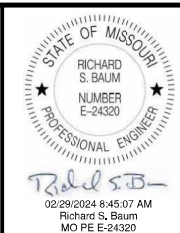


TYPICAL SECTION ROUTE H  
STA. 124+54 TO STA. 146+27



TYPICAL SECTION ROUTE H  
STA. 186+50 TO STA. 195+06.32

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| DATE PREPARED<br>29-FEB-2024 |                |
| ROUTE<br>H                   | STATE<br>MO    |
| DISTRICT<br>SL               | SHEET NO.<br>2 |
| COUNTY<br>ST. LOUIS CITY     |                |
| JOB NO.<br>J6S3278           |                |
| CONTRACT ID.                 |                |
| PROJECT NO.                  |                |
| BRIDGE NO.                   |                |

| DESCRIPTION | DATE |
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
FAX: (314) 350-0001  
CERTIFICATE OF AUTHORITY #00704

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| DATE PREPARED<br>29-FEB-2024 |                |
| ROUTE<br>H                   | STATE<br>MO    |
| DISTRICT<br>SL               | SHEET NO.<br>2 |
| COUNTY<br>ST. LOUIS CITY     |                |
| JOB NO.<br>J6S3278           |                |
| CONTRACT ID.                 |                |
| PROJECT NO.                  |                |
| BRIDGE NO.                   |                |

| DESCRIPTION | DATE |
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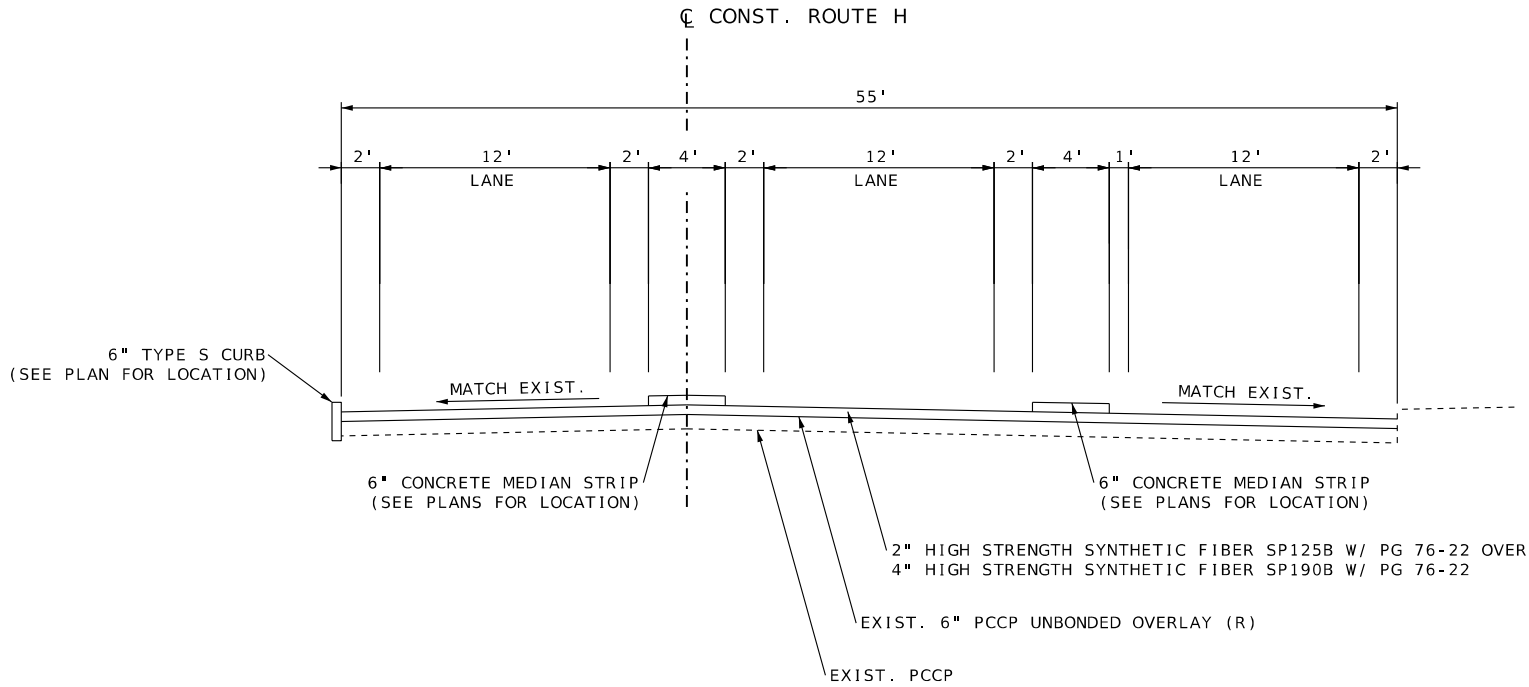
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



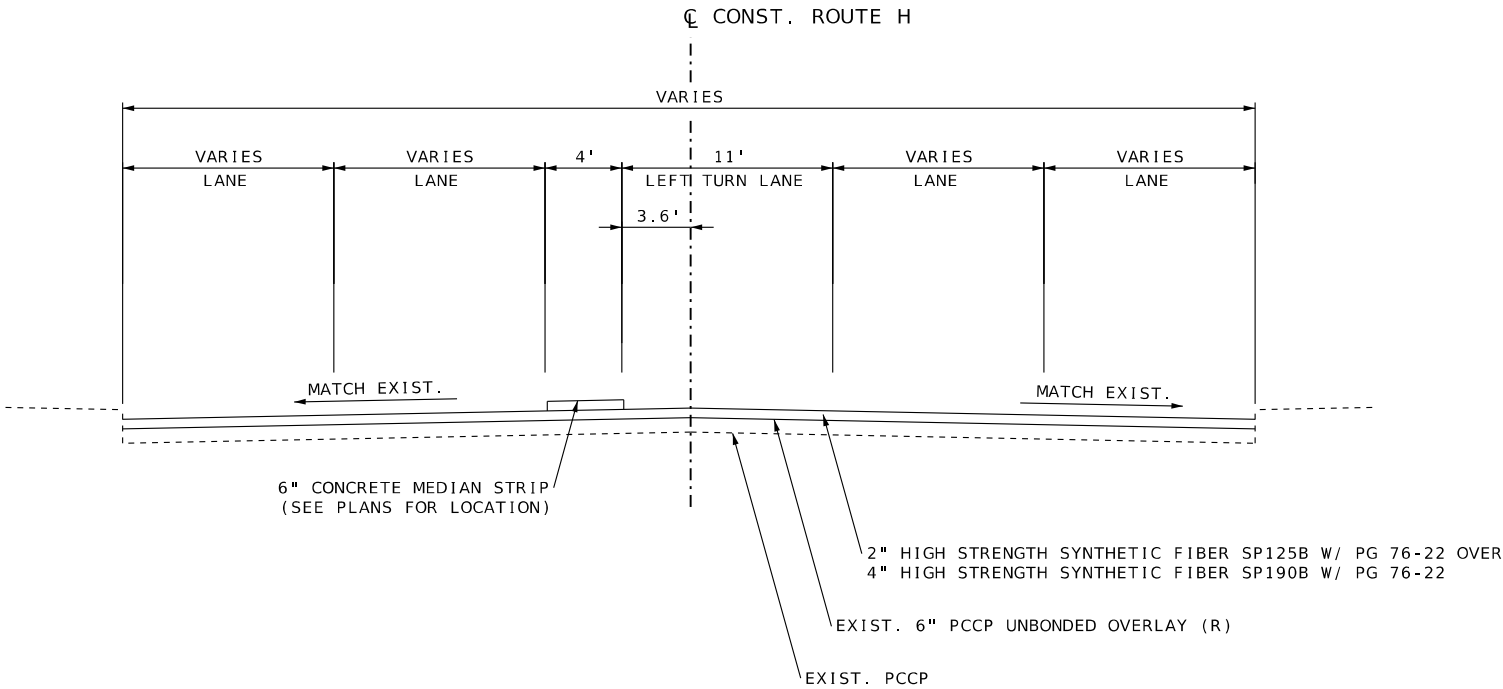
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
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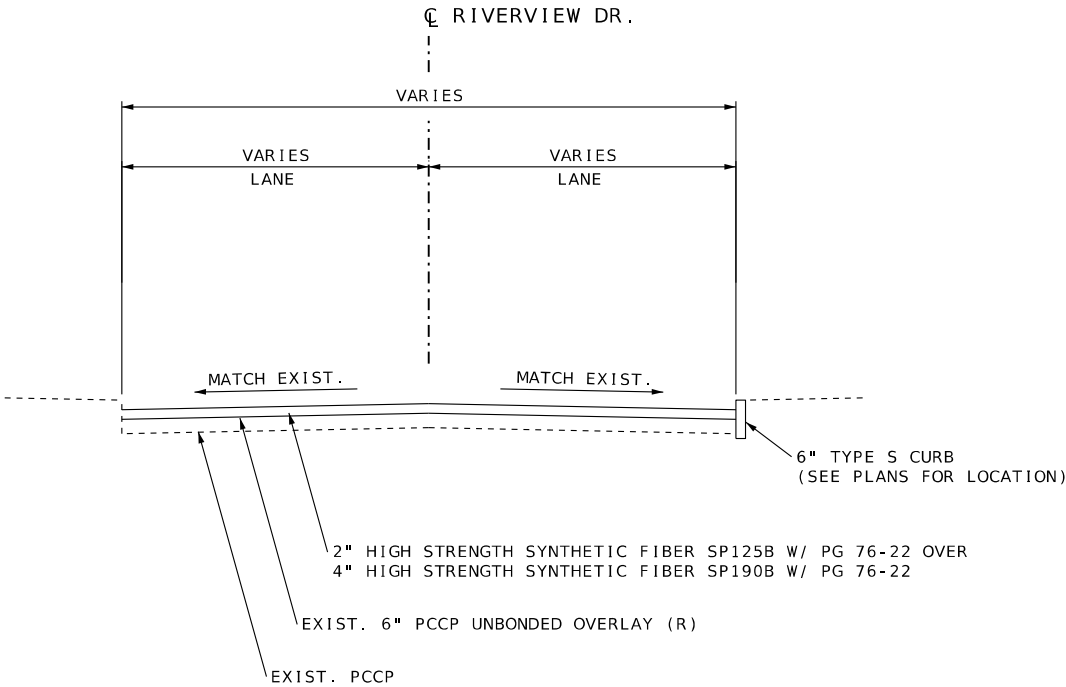
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1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
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PHONE: (314) 350-0000  
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CERTIFICATE OF AUTHORITY #00704



TYPICAL SECTION ROUTE H  
STA. 195+06.32 TO STA. 199+64.05



TYPICAL SECTION ROUTE H  
STA. 199+64.05 TO STA. 201+69.57



TYPICAL SECTION RIVERVIEW DR.

| REMOVAL OF IMPROVEMENTS ( 1 OF 2 ) |         |         |                    |                                             |
|------------------------------------|---------|---------|--------------------|---------------------------------------------|
| SHEET                              | STATION | STATION | LOCATION           | DESCRIPTION                                 |
| 4, 43                              | 9+86    |         | ROUTE H, LT.       | YIELD SIGN                                  |
| 4, 43                              | 9+86    |         | ROUTE H, LT.       | ROUTE MARKER SIGN                           |
| 4, 29                              | 10+00   |         | ROUTE H, LT. & RT. | TRAFFIC SIGNAL VIDEO DETECTION              |
| 4                                  | 10+44   | 10+63   | ROUTE H, LT.       | REMOVE 47 SY PAVEMENT UNDER PROPOSED ISLAND |
| 4                                  | 10+42   | 10+61   | ROUTE H, LT.       | REMOVE 37 SY CONCRETE ISLAND                |
| 4                                  |         |         | ROUTE H, LT.       | 17 SY SIDEWALK                              |
| 4, 43                              | 11+04   |         | ROUTE H, LT.       | YIELD SIGN                                  |
| 4                                  | 11+54   | 16+25   | ROUTE H, LT.       | REMOVE 322 SY PAVEMENT                      |
| 4, 43                              | 12+00   |         | ROUTE H, RT.       | SPEED LIMIT SIGN                            |
| 4                                  | 14+55   |         | ROUTE H, LT.       | PULL BOX                                    |
| 4                                  | 15+95   |         | ROUTE H, LT.       | PULL BOX                                    |
| 4, 43                              | 17+00   |         | ROUTE H, RT.       | TEST SECTION SIGN                           |
| 4                                  | 17+73   | 18+29   | ROUTE H, LT.       | REMOVE 48 SY PAVEMENT                       |
| 4                                  | 19+88   | 28+97   | ROUTE H, LT.       | REMOVE 913 SY PAVEMENT                      |
| 4-5                                | 30+96   | 33+16   | ROUTE H, LT.       | REMOVE 219 SY PAVEMENT                      |
| 5                                  | 33+70   | 35+36   | ROUTE H, LT.       | REMOVE 158 SY PAVEMENT                      |
| 5                                  | 35+76   | 36+41   | ROUTE H, LT.       | REMOVE 39 SY PAVEMENT                       |
| 5, 44                              | 36+11   |         | ROUTE H, LT.       | SPEED LIMIT SIGN                            |
| 5                                  | 37+47   | 38+42   | ROUTE H, LT.       | REMOVE 50 SY PAVEMENT                       |
| 5                                  | 40+60   | 55+44   | ROUTE H, LT.       | REMOVE 2203 SY PAVEMENT                     |
| 5                                  | 43+53   | 52+79   | ROUTE H            | REMOVE 1029 SY PAVEMENT                     |
| 6, 45                              | 56+75   |         | ROUTE H, RT.       | SPEED LIMIT SIGN                            |
| 6                                  | 57+36   | 77+06   | ROUTE H, LT.       | REMOVE 3008 SY PAVEMENT                     |
| 6                                  | 58+50   | 74+30   | ROUTE H            | REMOVE 1756 SY PAVEMENT                     |
| 6-7                                | 77+61   | 82+79   | ROUTE H, LT.       | REMOVE 777 SY PAVEMENT                      |
| 7                                  | 82+89   | 86+03   | ROUTE H, LT.       | REMOVE 477 SY PAVEMENT                      |
| 7                                  | 86+78   | 88+51   | ROUTE H, LT.       | REMOVE 165 SY PAVEMENT                      |
| 7                                  | 89+78   | 91+80   | ROUTE H, LT.       | REMOVE 219 SY PAVEMENT                      |
| 7                                  | 92+74   | 95+78   | ROUTE H, LT.       | REMOVE 409 SY PAVEMENT                      |
| 7                                  | 97+23   | 100+93  | ROUTE H, LT.       | REMOVE 566 SY PAVEMENT                      |
| 7                                  | 101+34  | 102+72  | ROUTE H, LT.       | REMOVE 214 SY PAVEMENT                      |
| 7-8                                | 103+45  | 105+63  | ROUTE H, LT.       | REMOVE 363 SY PAVEMENT                      |
| 8                                  | 107+04  | 112+08  | ROUTE H, LT.       | REMOVE 773 SY PAVEMENT                      |
| 8                                  | 112+97  | 113+61  | ROUTE H, LT.       | REMOVE 21 SY PAVEMENT                       |
| 8                                  | 114+33  | 118+73  | ROUTE H, LT.       | REMOVE 688 SY PAVEMENT                      |
| 8, 47                              | 118+05  |         | ROUTE H, RT.       | RR SIGN                                     |
| 8, 47                              | 119+15  |         | ROUTE H, LT.       | RR SIGN                                     |
| 8                                  | 118+83  | 119+40  | ROUTE H, LT.       | REMOVE 81 SY PAVEMENT                       |
| 8                                  | 119+68  | 120+29  | ROUTE H, LT.       | REMOVE 77 SY PAVEMENT                       |
| 8                                  | 122+44  | 125+86  | ROUTE H, LT.       | REMOVE 439 SY PAVEMENT                      |
| 8, 47                              | 122+60  |         | ROUTE H, RT.       | TEST SECTION SIGN                           |
| 8-9                                | 125+97  | 129+87  | ROUTE H            | REMOVE 433 SY PAVEMENT                      |
| 8-9                                | 126+42  | 128+45  | ROUTE H, LT.       | REMOVE 270 SY PAVEMENT                      |
| 9                                  | 128+78  | 131+40  | ROUTE H, LT.       | REMOVE 336 SY PAVEMENT                      |
| 9                                  | 131+66  | 137+09  | ROUTE H, LT.       | REMOVE 798 SY PAVEMENT                      |
| 9, 48                              | 134+75  |         | ROUTE H, LT.       | TEST SECTION SIGN                           |
| 9                                  | 137+68  | 144+24  | ROUTE H, LT.       | REMOVE 927 SY PAVEMENT                      |
| 9, 48                              | 142+15  |         | ROUTE H, LT.       | SPEED LIMIT SIGN                            |
| 9                                  | 144+89  | 145+45  | ROUTE H, LT.       | REMOVE 18 SY PAVEMENT                       |
| 9                                  | 146+22  | 150+95  | ROUTE H, LT.       | REMOVE 565 SY PAVEMENT                      |
| 9, 35                              | 149+74  |         | ROUTE H, LT.       | PULL BOX                                    |
| 9, 35                              | 151+18  |         | ROUTE H, LT.       | PULL BOX                                    |
| 9, 35                              | 151+22  |         | ROUTE H, LT.       | TRAFFIC SIGNAL POST & BASE                  |

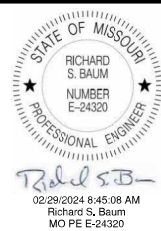
| REMOVAL OF IMPROVEMENTS ( 2 OF 2 ) |         |         |                    |                                         |
|------------------------------------|---------|---------|--------------------|-----------------------------------------|
| SHEET                              | STATION | STATION | LOCATION           | DESCRIPTION                             |
| 10, 35                             | 152+50  |         | ROUTE H, LT. & RT. | TRAFFIC SIGNAL VIDEO DETECTION          |
| 10, 35                             | 152+33  |         | ROUTE H, RT.       | PULL BOX                                |
| 10, 35                             | 152+38  |         | ROUTE H, RT.       | TRAFFIC SIGNAL MAST ARM, POST & BASE    |
| 10, 35                             | 152+33  |         | ROUTE H, RT.       | TRAFFIC SIGNAL CONTROLLER               |
| 10, 35                             | 152+44  |         | ROUTE H, LT.       | PULL BOX                                |
| 10, 35                             | 152+44  |         | ROUTE H, LT.       | TRAFFIC SIGNAL MAST ARM, POST & BASE    |
| 10                                 | 153+07  |         | ROUTE H, LT.       | LIGHT POLE                              |
| 10, 35                             | 153+42  |         | ROUTE H, RT.       | PULL BOX                                |
| 10, 35                             | 153+42  |         | ROUTE H, RT.       | TRAFFIC SIGNAL POST & BASE              |
| 10, 35                             | 153+66  |         | ROUTE H, LT.       | PULL BOX                                |
| 10, 35                             | 156+88  |         | ROUTE H, LT.       | PULL BOX                                |
| 10, 35                             | 159+08  |         | ROUTE H, LT.       | PULL BOX                                |
| 10                                 | 152+09  | 152+66  | ROUTE H, LT.       | REMOVE 49 SY PAVEMENT                   |
| 10-11                              | 153+54  | 186+65  | ROUTE H, LT.       | REMOVE 2827 SY PAVEMENT                 |
| 10                                 | 164+51  | 167+51  | ROUTE H            | REMOVE 333 SY PAVEMENT                  |
| 10, 49                             | 171+26  |         | ROUTE H, LT.       | SPEED LIMIT SIGN                        |
| 11                                 | 178+16  | 183+56  | ROUTE H            | REMOVE 600 SY PAVEMENT                  |
| 11                                 | 187+48  | 190+33  | ROUTE H, LT.       | REMOVE 163 SY PAVEMENT                  |
| 11, 50                             | 190+00  |         | ROUTE H, LT.       | ROUTE MARKER SIGN                       |
| 11, 50                             | 190+50  |         | ROUTE H, RT.       | LEFT LANE TURN LEFT SIGN                |
| 11, 50                             | 191+55  |         | ROUTE H, LT.       | SPEED LIMIT SIGN                        |
| 11, 50                             | 193+40  |         | ROUTE H, RT.       | ROUTE MARKER SIGN                       |
| 11, 16                             | 195+06  | 200+00  | ROUTE H, LT. & RT. | 5387 SY 6" CONC. PVM'T. & INTEGRAL CURB |
| 11, 16                             | 195+48  | 199+15  | ROUTE H, RT.       | 163 SY CONCRETE MEDIAN                  |
| 11, 50                             | 195+50  |         | ROUTE H, RT.       | KEEP RIGHT SIGN                         |
| 11, 16                             | 195+55  | 196+76  | ROUTE H            | 54 SY CONCRETE MEDIAN                   |
| 11, 50                             | 195+55  |         | ROUTE H            | KEEP RIGHT SIGN                         |
| 11, 50                             | 196+10  |         | ROUTE H, RT.       | ROUTE MARKER SIGN                       |
| 11, 50                             | 196+75  |         | ROUTE H            | KEEP RIGHT SIGN                         |
| 11, 16                             | 197+68  | 198+18  | ROUTE H, LT.       | 58 SY CONCRETE MEDIAN                   |
| 11, 50                             | 198+17  |         | ROUTE H, LT.       | DOUBLE DOWN ARROW SIGN                  |
| 11, 50                             | 198+25  |         | ROUTE H            | KEEP RIGHT SIGN                         |
| 11, 16                             | 198+25  | 201+64  | ROUTE H, RT.       | 150 SY CONCRETE MEDIAN                  |
| 12, 16                             | 200+00  | 201+70  | ROUTE H, LT. & RT. | 1192 SY 6" CONC. PVM'T.                 |
|                                    |         |         |                    |                                         |
|                                    |         |         | TOTAL              | 1 LUMP SUM                              |

NOTE: ANY SAW CUTS REQUIRED SHALL BE CONSIDERED INCIDENTAL.

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

| CONTRACTOR FURNISHED SURVEYING & STAKING |   |          |
|------------------------------------------|---|----------|
|                                          |   |          |
| TOTAL                                    | 1 | LUMP SUM |

SUMMARY OF QUANTITIES  
SHEET 1 OF 13



DATE PREPARED  
29-FEB-2024

|                |                |
|----------------|----------------|
| ROUTE<br>H     | STATE<br>MO    |
| DISTRICT<br>SL | SHEET NO.<br>3 |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

**Jacobs.**

JACOBS ENGINEERING GROUP 400  
1001 HIGHLANDS PLAZA DRIVE W. SUITE  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
FAX: (314) 335-4000





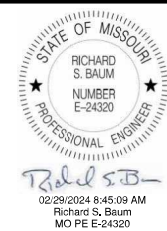
| ASPHALT OVERLAY ( 1 OF 2 ) |         |         |              |                                   |            |                                |                                |           |                          |
|----------------------------|---------|---------|--------------|-----------------------------------|------------|--------------------------------|--------------------------------|-----------|--------------------------|
| SHEET                      | STATION | STATION | LOCATION     | ASPHALT CONCRETE MIXTURE PG 76-22 |            |                                |                                | TACK COAT | REMARKS                  |
|                            |         |         |              | SP125BSMR MIX                     | SP190B MIX | SP125B MIX<br>W/ REINF. FIBERS | SP190B MIX<br>W/ REINF. FIBERS |           |                          |
|                            |         |         |              | TON                               | TON        | TON                            | TON                            | GAL       |                          |
| 4                          | 10+00   | 20+00   | ROUTE H      | 628.0                             | 732.7      |                                |                                | 1009      | MAINLINE                 |
| 4                          | 10+20   |         | ROUTE H, LT. | 4.6                               |            |                                |                                | 5         | ADELAIDE AVE. TRANSITION |
| 4                          | 10+27   |         | ROUTE H, RT. | 3.3                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 4                          | 16+25   | 17+73   | ROUTE H, LT. | 7.7                               |            |                                |                                | 8         | DRIVEWAY TRANSITION      |
| 4                          | 18+29   | 19+88   | ROUTE H, LT. | 8.2                               |            |                                |                                | 9         | DRIVEWAY TRANSITION      |
| 4                          | 20+00   | 32+00   | ROUTE H      | 644.2                             | 751.6      |                                |                                | 1035      | MAINLINE                 |
| 4                          | 28+67   |         | ROUTE H, RT. | 2.9                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 4                          | 28+96   | 30+96   | ROUTE H, LT. | 10.3                              |            |                                |                                | 11        | DRIVEWAY TRANSITION      |
| 4                          | 30+61   |         | ROUTE H, RT. | 2.1                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 4                          | 31+67   |         | ROUTE H, RT. | 3.0                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 5                          | 32+00   | 44+00   | ROUTE H      | 691.0                             | 806.1      |                                |                                | 1111      | MAINLINE                 |
| 5                          | 33+43   |         | ROUTE H, LT. | 2.8                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 5                          | 34+71   |         | ROUTE H, RT. | 4.1                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 5                          | 35+56   |         | ROUTE H, LT. | 2.1                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 5                          | 36+30   |         | ROUTE H, RT. | 8.7                               |            |                                |                                | 9         | DRIVEWAY TRANSITION      |
| 5                          | 36+94   |         | ROUTE H, LT. | 5.5                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 5                          | 38+69   |         | ROUTE H, RT. | 2.6                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 5                          | 38+76   |         | ROUTE H, LT. | 4.5                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 5                          | 39+28   |         | ROUTE H, RT. | 0.9                               |            |                                |                                | 1         | DRIVEWAY TRANSITION      |
| 5                          | 39+77   |         | ROUTE H, LT. | 6.0                               |            |                                |                                | 6         | CARRIE AVE. TRANSITION   |
| 5                          | 39+77   |         | ROUTE H, RT. | 3.6                               |            |                                |                                | 4         | CARRIE AVE. TRANSITION   |
| 5                          | 44+00   | 56+00   | ROUTE H      | 519.9                             | 606.5      |                                |                                | 836       | MAINLINE                 |
| 5                          | 54+56   |         | ROUTE H, RT. | 7.5                               |            |                                |                                | 8         | DRIVEWAY TRANSITION      |
| 5-6                        | 55+86   |         | ROUTE H, LT. | 3.8                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 6                          | 56+00   | 68+00   | ROUTE H      | 523.2                             | 610.3      |                                |                                | 841       | MAINLINE                 |
| 6                          | 56+94   |         | ROUTE H, LT. | 3.3                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 6                          | 68+00   | 80+00   | ROUTE H      | 542.2                             | 632.6      |                                |                                | 871       | MAINLINE                 |
| 6                          | 77+34   |         | ROUTE H, LT. | 2.5                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 6                          | 77+71   |         | ROUTE H, RT. | 4.0                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 7                          | 80+00   | 82+79   | ROUTE H      | 138.9                             | 162.1      |                                |                                | 223       | MAINLINE                 |
| 7                          | 82+08   |         | ROUTE H, RT. | 4.0                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 7                          | 82+89   | 92+00   | ROUTE H      | 505.7                             | 590.0      |                                |                                | 813       | MAINLINE                 |
| 7                          | 83+32   |         | ROUTE H, RT. | 4.8                               |            |                                |                                | 5         | HUMBOLDT AVE. TRANSITION |
| 7                          | 84+18   |         | ROUTE H, RT. | 3.1                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 86+41   |         | ROUTE H, LT. | 3.6                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 7                          | 88+04   |         | ROUTE H, RT. | 3.1                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 88+77   |         | ROUTE H, LT. | 2.5                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 89+49   |         | ROUTE H, LT. | 2.7                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 92+00   | 104+00  | ROUTE H      | 653.5                             | 762.4      |                                |                                | 1050      | MAINLINE                 |
| 7                          | 92+27   |         | ROUTE H, LT. | 4.1                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 7                          | 92+27   |         | ROUTE H, RT. | 2.6                               |            |                                |                                | 3         | AURORA AVE. TRANSITION   |
| 7                          | 94+60   |         | ROUTE H, RT. | 19.4                              |            |                                |                                | 21        | DRIVEWAY TRANSITION      |
| 7                          | 96+04   |         | ROUTE H, LT. | 2.3                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 96+77   |         | ROUTE H, LT. | 4.6                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 7                          | 97+15   |         | ROUTE H, RT. | 4.4                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 7                          | 99+02   |         | ROUTE H, RT. | 2.4                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 7                          | 101+14  |         | ROUTE H, LT. | 2.0                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 7                          | 101+91  |         | ROUTE H, RT. | 6.8                               |            |                                |                                | 7         | DRIVEWAY TRANSITION      |
| 7                          | 103+09  |         | ROUTE H, LT. | 2.9                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
|                            |         |         |              |                                   |            |                                |                                |           |                          |
|                            |         |         | SUBTOTAL     | 5025.9                            | 5654.3     |                                |                                | 7980      |                          |

SUMMARY OF QUANTITIES  
SHEET 3 OF 13

| <br>Richard S. Baum<br>MO PE E-24320                                                                                                                                                                                                                                                                                                  |  |  |                       |                                                                                      |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------|--------------------------------------------------------------------------------------|--|--|
| DATE PREPARED<br><b>29-FEB-2024</b>                                                                                                                                                                                                                                                                                                   |  |  |                       |                                                                                      |  |  |
| ROUTE<br><b>H</b>                                                                                                                                                                                                                                                                                                                     |  |  | STATE<br><b>MO</b>    |                                                                                      |  |  |
| DISTRICT<br><b>SL</b>                                                                                                                                                                                                                                                                                                                 |  |  | SHEET NO.<br><b>3</b> |                                                                                      |  |  |
| COUNTY<br><b>ST. LOUIS CITY</b>                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
| JOB NO.<br><b>J6S3278</b>                                                                                                                                                                                                                                                                                                             |  |  |                       |                                                                                      |  |  |
| CONTRACT ID.                                                                                                                                                                                                                                                                                                                          |  |  |                       |                                                                                      |  |  |
| PROJECT NO.                                                                                                                                                                                                                                                                                                                           |  |  |                       |                                                                                      |  |  |
| BRIDGE NO.                                                                                                                                                                                                                                                                                                                            |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                       |  |  |                       |                                                                                      |  |  |
| MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION                                                                                                                                                                                                                                                                                       |  |  |                       | <br>105 WEST CAPITOL<br>JEFFERSON CITY, MO 65102<br>1-888-ASK-MODOT (1-888-275-6636) |  |  |
| <div style="float: left; width: 40%;"> <h1 style="margin: 0;">Jacobs.</h1> <p>             JACOBS ENGINEERING GROUP<br/>             1001 HIGHLANDS PLAZA DRIVE W. SUITE 400<br/>             ST. LOUIS, MISSOURI 63110<br/>             PHONE: (314) 335-4000<br/>             CERTIFICATE OF AUTHORITY #00704           </p> </div> |  |  |                       |                                                                                      |  |  |

| ASPHALT OVERLAY ( 2 OF 2 ) |           |           |              |                                   |            |                                |                                |           |                          |
|----------------------------|-----------|-----------|--------------|-----------------------------------|------------|--------------------------------|--------------------------------|-----------|--------------------------|
| SHEET                      | STATION   | STATION   | LOCATION     | ASPHALT CONCRETE MIXTURE PG 76-22 |            |                                |                                | TACK COAT | REMARKS                  |
|                            |           |           |              | SP125BSMR MIX                     | SP190B MIX | SP125B MIX<br>W/ REINF. FIBERS | SP190B MIX<br>W/ REINF. FIBERS |           |                          |
|                            |           |           |              | TON                               | TON        | TON                            | TON                            |           |                          |
| 8                          | 104+00    | 116+00    | ROUTE H      | 652.4                             | 761.1      |                                |                                | 1048      | MAINLINE                 |
| 8                          | 105+95    |           | ROUTE H, RT. | 2.1                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 8                          | 106+05    |           | ROUTE H, LT. | 3.0                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 8                          | 106+75    |           | ROUTE H, LT. | 2.7                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 8                          | 107+37    |           | ROUTE H, RT. | 2.4                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 8                          | 112+33    |           | ROUTE H, RT. | 4.3                               |            |                                |                                | 5         | THATCHER AVE. TRANSITION |
| 8                          | 112+53    |           | ROUTE H, LT. | 3.7                               |            |                                |                                | 4         | THATCHER AVE. TRANSITION |
| 8                          | 113+97    |           | ROUTE H, LT. | 3.3                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 8                          | 115+91    |           | ROUTE H, RT. | 2.6                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 8                          | 116+00    | 118+73    | ROUTE H      | 130.4                             | 152.2      |                                |                                | 210       | MAINLINE                 |
| 8                          | 116+68    |           | ROUTE H, RT. | 5.0                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 8                          | 118+83    | 128+00    | ROUTE H      | 571.8                             | 667.2      |                                |                                | 919       | MAINLINE                 |
| 8                          | 119+54    |           | ROUTE H, LT. | 1.5                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 8                          | 120+29    | 122+44    | ROUTE H, LT. | 10.8                              |            |                                |                                | 12        | BLASE AVE. TRANSITION    |
| 8                          | 120+81    |           | ROUTE H, RT. | 5.2                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 8                          | 121+82    |           | ROUTE H, RT. | 6.0                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 8                          | 126+14    |           | ROUTE H, LT. | 2.9                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 9                          | 128+00    | 140+00    | ROUTE H      | 662.7                             | 773.2      |                                |                                | 1065      | MAINLINE                 |
| 9                          | 128+62    |           | ROUTE H, LT. | 1.5                               |            |                                |                                | 2         | DRIVEWAY TRANSITION      |
| 9                          | 131+53    |           | ROUTE H, LT. | 1.2                               |            |                                |                                | 1         | DRIVEWAY TRANSITION      |
| 9                          | 132+12    |           | ROUTE H, RT. | 4.4                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 9                          | 133+86    |           | ROUTE H, RT. | 4.6                               |            |                                |                                | 5         | BITTNER AVE. TRANSITION  |
| 9                          | 137+39    |           | ROUTE H, LT. | 2.8                               |            |                                |                                | 3         | BADEN AVE. TRANSITION    |
| 9                          | 138+08    |           | ROUTE H, RT. | 5.3                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 9                          | 140+00    | 152+00    | ROUTE H      | 649.6                             | 757.9      |                                |                                | 1044      | MAINLINE                 |
| 9                          | 144+57    |           | ROUTE H, LT. | 3.2                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 9                          | 145+10    |           | ROUTE H, RT. | 6.7                               |            |                                |                                | 7         | DRIVEWAY TRANSITION      |
| 9                          | 145+84    |           | ROUTE H, LT. | 3.7                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 9-10                       | 151+77    |           | ROUTE H, LT. | 6.2                               |            |                                |                                | 7         | GIMBLIN RD. TRANSITION   |
| 10                         | 152+00    | 164+00    | ROUTE H      | 614.9                             | 717.4      |                                |                                | 988       | MAINLINE                 |
| 10                         | 152+93    |           | ROUTE H, RT. | 7.1                               |            |                                |                                | 8         | GIMBLIN RD. TRANSITION   |
| 10                         | 153+10    |           | ROUTE H, LT. | 3.1                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 10                         | 155+60    |           | ROUTE H, RT. | 3.6                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 10                         | 156+93    |           | ROUTE H, RT. | 5.3                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 10                         | 160+54    |           | ROUTE H, RT. | 9.8                               |            |                                |                                | 10        | DODDRIDGE ST. TRANSITION |
| 10                         | 164+00    | 176+00    | ROUTE H      | 566.2                             | 660.6      |                                |                                | 910       | MAINLINE                 |
| 10                         | 169+06    |           | ROUTE H, RT. | 6.2                               |            |                                |                                | 7         | DRIVEWAY TRANSITION      |
| 10                         | 172+40    |           | ROUTE H, RT. | 6.1                               |            |                                |                                | 7         | DRIVEWAY TRANSITION      |
| 10                         | 174+70    |           | ROUTE H, RT. | 6.5                               |            |                                |                                | 7         | DRIVEWAY TRANSITION      |
| 11                         | 176+00    | 188+00    | ROUTE H      | 556.0                             | 648.6      |                                |                                | 894       | MAINLINE                 |
| 11                         | 187+07    |           | ROUTE H, LT. | 4.2                               |            |                                |                                | 5         | DRIVEWAY TRANSITION      |
| 11                         | 187+41    |           | ROUTE H, RT. | 5.2                               |            |                                |                                | 6         | DRIVEWAY TRANSITION      |
| 11                         | 188+00    | 195+06.32 | ROUTE H      | 406.1                             | 473.8      |                                |                                | 653       | MAINLINE                 |
| 11                         | 190+57    |           | ROUTE H, LT. | 2.3                               |            |                                |                                | 3         | DRIVEWAY TRANSITION      |
| 11                         | 193+02    |           | ROUTE H, RT. | 4.0                               |            |                                |                                | 4         | DRIVEWAY TRANSITION      |
| 11                         | 195+06.32 | 200+00    | ROUTE H      |                                   |            | 557.5                          | 1138.3                         | 679       | MAINLINE                 |
| 12                         | 200+00    | 201+69.57 | ROUTE H      |                                   |            | 127.1                          | 259.5                          | 155       | MAINLINE                 |
|                            |           |           |              |                                   |            |                                |                                |           |                          |
|                            |           |           | SUBTOTAL     | 4968.6                            | 5612.0     | 684.6                          | 1397.8                         | 8739      |                          |
|                            |           |           | TOTAL        | 9994.5                            | 11,266.3   | 684.6                          | 1,397.8                        | 16,719    |                          |

SUMMARY OF QUANTITIES  
SHEET 4 OF 13



DATE PREPARED  
29 - FEB - 2024

|       |       |
|-------|-------|
| ROUTE | STATE |
| H     | MO    |

|          |          |
|----------|----------|
| DISTRICT | SHEET NO |
| SL       | 3        |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102

**Jacobs**

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CIRCLE 10 ON READER SERVICE CARD

| SIDEWALKS & CURB RAMPS |          |          |                  |                                           |                                       |                    |                                                          |                              |
|------------------------|----------|----------|------------------|-------------------------------------------|---------------------------------------|--------------------|----------------------------------------------------------|------------------------------|
| SHEET                  | STATION  | STATION  | LOCATION         | TYPE 5 AGGR.<br>FOR BASE<br>(4 IN. THICK) | CONCRETE<br>SIDEWALK<br>(4 IN. THICK) | TRUNCATED<br>DOMES | ADA CURB RAMP<br>W/ TRUNCATED DOMES<br>(TYPE 1 PARALLEL) | REMARKS                      |
|                        |          |          |                  | SY                                        | SY                                    | SF                 | EACH                                                     |                              |
| 4, 15                  | 10+43.56 | 10+63.41 | ROUTE H, LT.     | 47.3                                      | 47.3                                  |                    |                                                          | UNDER CONCRETE MEDIAN ISLAND |
| 4, 15                  |          |          | ROUTE H, LT.     |                                           |                                       | 20                 |                                                          | 2 ISLAND CUT THRU'S          |
| 4, 15                  | 10+86.00 |          | ROUTE H, 52' LT. |                                           |                                       |                    | 1                                                        | NW QUADRANT OF INTERSECTION  |
| 4, 15                  | 10+68.83 | 10+80.73 | ROUTE H, LT.     | 19.4                                      | 19.4                                  |                    |                                                          | NW QUADRANT OF INTERSECTION  |
|                        |          |          |                  |                                           |                                       |                    |                                                          |                              |
|                        |          |          | TOTAL            | 66.7                                      | 66.7                                  | 20                 | 1                                                        |                              |

| 6 IN. CONCRETE MEDIAN STRIP |           |           |              |       |
|-----------------------------|-----------|-----------|--------------|-------|
| SHEET                       | STATION   | STATION   | LOCATION     | SY    |
| 4, 15                       | 10+43.56  | 10+63.41  | ROUTE H, LT. | 47.3  |
| 4                           | 21+10.42  | 25+27.87  | ROUTE H      | 329.0 |
| 11, 16                      | 195+48.13 | 199+15.09 | ROUTE H, RT. | 164.0 |
| 11, 16                      | 195+55.05 | 196+75.55 | ROUTE H      | 54.9  |
| 11, 16                      | 197+64.92 | 199+05.57 | ROUTE H, LT. | 233.9 |
| 1, 12, 1                    | 198+25.03 | 201+64.09 | ROUTE H      | 152.2 |
|                             |           |           |              |       |
|                             |           |           | TOTAL        | 981.3 |

| CONCRETE CORRUGATED MEDIAN |           |           |          |        |
|----------------------------|-----------|-----------|----------|--------|
| SHEET                      | STATION   | STATION   | LOCATION | SY     |
| 5                          | 43+53.00  | 52+79.00  | ROUTE H  | 1028.9 |
| 6                          | 58+50.00  | 74+30.00  | ROUTE H  | 1755.6 |
| 8-9                        | 125+97.00 | 129+87.00 | ROUTE H  | 433.3  |
| 10                         | 164+51.00 | 167+51.00 | ROUTE H  | 333.3  |
| 11                         | 178+16.00 | 183+56.00 | ROUTE H  | 600.0  |
|                            |           |           |          |        |
|                            |           |           | TOTAL    | 4151.1 |

| CONCRETE CURB (6 IN. HEIGHT & UNDER) TYPE S |           |           |             |     |
|---------------------------------------------|-----------|-----------|-------------|-----|
| SHEET                                       | STATION   | STATION   | LOCATION    | LF  |
| 4, 15                                       | 10+72.95  | 10+78.04  | ROUTE H, LT | 9   |
| 11, 16                                      | 194+81    | 195+19    | ROUTE H, LT | 67  |
| 11, 16                                      | 195+40    | 196+27    | ROUTE H, LT | 111 |
| 11, 16                                      | 195+64.11 | 197+05.04 | ROUTE H, LT | 386 |
|                                             |           |           |             |     |
|                                             |           |           | TOTAL       | 573 |

| TUBULAR MARKERS & CURB REFLECTORS |         |         |              |                             |                   |                                       |
|-----------------------------------|---------|---------|--------------|-----------------------------|-------------------|---------------------------------------|
| SHEET                             | STATION | STATION | LOCATION     | ISLAND<br>TUBULAR<br>MARKER | CURB<br>REFLECTOR | REMARKS                               |
|                                   |         |         |              | EACH                        | EACH              |                                       |
| 4                                 | 9+78    | 9+99    | ROUTE H, LT. | 3                           |                   | NOSES OF ISLAND IN SW QUADRANT        |
| 4                                 | 10+44   | 10+63   | ROUTE H, LT. | 2                           |                   | NOSES OF ISLAND IN NW QUADRANT        |
| 4                                 | 21+10   | 25+28   | ROUTE H      |                             | 20                | CONCRETE MEDIAN STRIP @ 40' SPACING   |
| 4                                 | 21+10   | 25+28   | ROUTE H      | 6                           |                   | 3 EA. @ NOSE OF CONCRETE MEDIAN STRIP |
| 11                                | 197+65  | 198+20  | ROUTE H, LT. | 3                           |                   | NOSES OF ISLAND                       |
|                                   |         |         |              |                             |                   |                                       |
|                                   |         |         | TOTAL        | 14                          | 20                |                                       |

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

Richard S. Baum

02/29/2024 8:45:09 AM

Richard S. Baum

MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE  
H

STATE  
MO

DISTRICT  
SL

SHEET NO.  
3

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 355-1000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.









| TEMPORARY PAVEMENT MARKING PAINT |         |          |                                                |                                  |            |                                                     |
|----------------------------------|---------|----------|------------------------------------------------|----------------------------------|------------|-----------------------------------------------------|
| STATION                          | STATION | LOCATION | TEMP. REMOVABLE MARKING TAPE<br>24 IN. , WHITE | TEMPORARY PAVEMENT MARKING PAINT |            | REMARKS                                             |
|                                  |         |          |                                                | 4 IN. YELLOW                     | 4 IN WHITE |                                                     |
|                                  |         |          | LF                                             | LF                               | LF         |                                                     |
| 10+00                            | 195+06  | ROUTE H  | 11                                             | 37,012                           | 18,506     | STAGE 1 - CENTER DSY STRIPE, S.B. OUTSIDE SW STRIPE |
| 10+00                            | 195+06  | ROUTE H  | 22                                             | 37,012                           | 18,506     | STAGE 2 - CENTER DSY STRIPE, N.B. OUTSIDE SW STRIPE |
|                                  |         |          |                                                |                                  |            |                                                     |
|                                  |         | SUBTOTAL |                                                | 74,024                           | 37,012     |                                                     |
|                                  |         | TOTAL    | 33                                             | 111,036                          |            |                                                     |

| PAVEMENT MARKING REMOVAL |         |          |        |                                           |
|--------------------------|---------|----------|--------|-------------------------------------------|
| STATION                  | STATION | LOCATION | LF     | REMARKS                                   |
| 10+00                    | 195+06  | ROUTE H  | 27,759 | STAGE 1 - IW STRIPE, IY STRIPE, SY STRIPE |
| 10+00                    | 195+06  | ROUTE H  | 27,759 | STAGE 2 - IW STRIPE, IY STRIPE, SY STRIPE |
|                          |         |          |        |                                           |
|                          |         | TOTAL    | 55,518 |                                           |

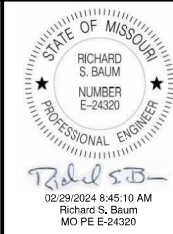
| BITUMINOUS RUMBLE STRIP |          |          |              |     |                                   |
|-------------------------|----------|----------|--------------|-----|-----------------------------------|
| SHEET                   | STATION  | STATION  | LOCATION     | STA | REMARKS                           |
| 4                       | 21+10.42 | 25+27.87 | ROUTE H, LT. | 4.2 | ADJACENT TO CONCRETE MEDIAN STRIP |
| 4                       | 21+10.42 | 25+27.87 | ROUTE H, LT. | 4.2 | ADJACENT TO LANE LINE             |
|                         |          |          |              |     |                                   |
|                         |          |          | TOTAL        | 8.4 |                                   |

| SEEDING & MULCHING |         |         |              |                               |          |                       |
|--------------------|---------|---------|--------------|-------------------------------|----------|-----------------------|
| SHEET              | STATION | STATION | LOCATION     | SEEDING - COOL SEASON MIXURES | MULCHING | LOCATION              |
|                    |         |         |              | ACRE                          | ACRE     |                       |
| 4-11               | 11+54   | 190+33  | ROUTE H, LT. | 3.8                           | 3.8      | REMOVED PAVEMENT AREA |
|                    |         |         |              |                               |          |                       |
|                    |         |         | TOTAL        | 3.8                           | 3.8      |                       |

| TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING |   |          |
|------------------------------------------|---|----------|
|                                          |   |          |
| TOTAL                                    | 1 | LUMP SUM |

| ITS ASSET MANAGEMENT TOOL |   |          |
|---------------------------|---|----------|
|                           |   |          |
| TOTAL                     | 1 | LUMP SUM |

| TRAFFIC SIGNALS & ITS |                         |                              |                                           |                                                  |                               |                                  |                                                    |         |
|-----------------------|-------------------------|------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------|----------------------------------|----------------------------------------------------|---------|
| SHEET                 | INTERSECTION            | RELOCATE TRAFFIC SIGNAL HEAD | REMOVE & REPLACE TRAFFIC SIGNAL BACKPLATE | REMOVE & REPLACE TRAFFIC SIGNAL ARM (35 FT. ARM) | ATC TRAFFIC SIGNAL CONTROLLER | NETWORK CONNECTED SIGNAL MONITOR | INSTALL OR RELOCATE EXIST. COMMUNICATION EQUIPMENT | REMARKS |
|                       |                         | EACH                         | EACH                                      | EACH                                             | EACH                          | EACH                             | EACH                                               |         |
| 29                    | ROUTE H & ADELAIDE AVE. | 4                            | 5                                         | 1                                                | 1                             | 1                                |                                                    |         |
| 35                    | ROUTE H & GIMBLIN RD.   |                              |                                           |                                                  | 1                             | 1                                | 1                                                  |         |
| 41                    | ROUTE H & RIVERVIEW DR. | 1                            |                                           |                                                  |                               |                                  |                                                    |         |
|                       |                         |                              |                                           |                                                  |                               |                                  |                                                    |         |
|                       | TOTAL                   | 5                            | 5                                         | 1                                                | 2                             | 2                                | 1                                                  |         |



|                              |                |
|------------------------------|----------------|
| DATE PREPARED<br>29-FEB-2024 |                |
| ROUTE<br>H                   | STATE<br>MO    |
| DISTRICT<br>SL               | SHEET NO.<br>3 |
| COUNTY<br>ST. LOUIS CITY     |                |
| JOB NO.<br>J6S3278           |                |
| CONTRACT ID.                 |                |

|             |
|-------------|
| PROJECT NO. |
| BRIDGE NO.  |

| DESCRIPTION | DATE |
|-------------|------|
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 355-1000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.









| SIGN          | SIZE   | AREA   | QTY  | TOTAL AREA | QTY RELOC | TOTAL RELOC | SIGN NUM. | DESCRIPTION                                      |
|---------------|--------|--------|------|------------|-----------|-------------|-----------|--------------------------------------------------|
| SIGN          | IN.    | SQ. FT | EACH | SQ. FT.    | EACH      | SQ. FT.     |           |                                                  |
| WARNING SIGNS |        |        |      |            |           |             |           |                                                  |
| WO1-1L        | 48X48  | 16.00  |      |            |           |             |           | TURN (SYMBOL LEFT ARROW)                         |
| WO1-1R        | 48X48  | 16.00  |      |            |           |             |           | TURN (SYMBOL RIGHT ARROW)                        |
| WO1-2L        | 48X48  | 16.00  |      |            |           |             |           | CURVE (SYMBOL LEFT ARROW)                        |
| WO1-2R        | 48X48  | 16.00  |      |            |           |             |           | CURVE (SYMBOL RIGHT ARROW)                       |
| WO1-3L        | 48X48  | 16.00  |      |            |           |             |           | REVERSE TURN (SYMBOL LEFT ARROW)                 |
| WO1-3R        | 48X48  | 16.00  |      |            |           |             |           | REVERSE TURN (SYMBOL RIGHT ARROW)                |
| WO1-4L        | 48X48  | 16.00  | 1    | 16.00      |           |             |           | REVERSE CURVE (SYMBOL LEFT ARROW)                |
| WO1-4R        | 48X48  | 16.00  | 1    | 16.00      |           |             |           | REVERSE CURVE (SYMBOL RIGHT ARROW)               |
| WO1-4bL       | 48X48  | 16.00  |      |            |           |             |           | DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)    |
| WO1-4bR       | 48X48  | 16.00  |      |            |           |             |           | DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)    |
| WO1-4cL       | 48X48  | 16.00  |      |            |           |             |           | TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)    |
| WO1-4cR       | 48X48  | 16.00  |      |            |           |             |           | TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)    |
| WO1-6         | 60X30  | 12.50  |      |            |           |             |           | HORIZONTAL ARROW (SYMBOL)                        |
| WO1-6a        | 72X36  | 18.00  |      |            |           |             |           | HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)     |
| WO1-7         | 60X30  | 12.50  |      |            |           |             |           | DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)            |
| WO1-7a        | 72X36  | 18.00  |      |            |           |             |           | DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.) |
| WO1-8         | 18X24  | 3.00   |      |            |           |             |           | CHEVRON (SYMBOL)                                 |
| WO1-8a        | 30X36  | 7.50   |      |            |           |             |           | CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)            |
| WO3-1         | 48X48  | 16.00  | 4    | 64.00      |           |             |           | STOP AHEAD (SYMBOL)                              |
| WO3-2         | 48X48  | 16.00  |      |            |           |             |           | YIELD AHEAD (SYMBOL)                             |
| WO3-3         | 48X48  | 16.00  |      |            |           |             |           | SIGNAL AHEAD (SYMBOL)                            |
| WO3-4         | 48X48  | 16.00  |      |            |           |             |           | BE PREPARED TO STOP                              |
| WO3-5         | 48X48  | 16.00  |      |            |           |             |           | SPEED LIMIT AHEAD                                |
| WO4-1L        | 48X48  | 16.00  |      |            |           |             |           | MERGE (SYMBOL FROM LEFT)                         |
| WO4-1R        | 48X48  | 16.00  |      |            |           |             |           | MERGE (SYMBOL FROM RIGHT)                        |
| WO4-1aL       | 48X48  | 16.00  | 1    | 16.00      |           |             |           | MERGE (ARROW SYMBOL)                             |
| WO4-1aR       | 48X48  | 16.00  |      |            |           |             |           | MERGE (ARROW SYMBOL)                             |
| WO5-1         | 48X48  | 16.00  |      |            |           |             |           | ROAD/BRIDGE/RAMP NARROWS                         |
| WO5-3         | 48X48  | 16.00  |      |            |           |             |           | ONE LANE BRIDGE                                  |
| WO5-5         | 48X48  | 16.00  |      |            |           |             |           | NARROW LANES                                     |
| WO6-1         | 48X48  | 16.00  |      |            |           |             |           | DIVIDED HIGHWAY (SYMBOL)                         |
| WO6-2         | 48X48  | 16.00  |      |            |           |             |           | DIVIDED HIGHWAY END (SYMBOL)                     |
| WO6-3         | 48X48  | 16.00  |      |            |           |             |           | TWO WAY TRAFFIC (SYMBOL)                         |
| WO7-3a        | 30X24  | 5.00   |      |            |           |             |           | NEXT XX MILES (PLAQUE)                           |
| WO8-1         | 48X48  | 16.00  |      |            |           |             |           | BUMP                                             |
| WO8-2         | 48X48  | 16.00  |      |            |           |             |           | DIP                                              |
| WO8-3         | 48X48  | 16.00  |      |            |           |             |           | PAVEMENT ENDS                                    |
| WO8-4         | 48X48  | 16.00  |      |            |           |             |           | SOFT SHOULDER                                    |
| WO8-5         | 48X48  | 16.00  |      |            |           |             |           | SLIPPERY WHEN WET (SYMBOL)                       |
| WO8-6         | 48X48  | 16.00  |      |            |           |             |           | TRUCK CROSSING (WITH FLAGS)                      |
| WO8-6c        | 48X48  | 16.00  |      |            |           |             |           | TRUCK ENTRANCE                                   |
| WO8-7         | 36X36  | 9.00   |      |            |           |             |           | LOOSE GRAVEL                                     |
| WO8-7a        | 36X36  | 9.00   |      |            |           |             |           | FRESH OIL/LOOSE GRAVEL                           |
| WO8-9         | 48X48  | 16.00  |      |            |           |             |           | LOW SHOULDER                                     |
| WO8-11        | 48X48  | 16.00  |      |            |           |             |           | UNEVEN LANES                                     |
| WO8-12        | 48X48  | 16.00  |      |            |           |             |           | NO CENTER LINE                                   |
| WO8-15        | 48X48  | 16.00  |      |            |           |             |           | GROOVED PAVEMENT                                 |
| WO8-15P       | 30X24  | 5.00   |      |            |           |             |           | MOTORCYCLE (PLAQUE)                              |
| WO8-17        | 48X48  | 16.00  | 4    | 64.00      |           |             |           | SHOULDER DROP-OFF (SYMBOL)                       |
| WO8-17P       | 30X24  | 5.00   | 4    | 20.00      |           |             |           | SHOULDER DROP-OFF (PLAQUE)                       |
| W10-1         | 42RND. | 9.62   |      |            |           |             |           | RAILROAD CROSSING                                |
| WO12-1        | 24X24  | 4.00   |      |            |           |             |           | DOUBLE DOWN ARROW (SYMBOL)                       |
| WO12-2        | 48X48  | 16.00  |      |            |           |             |           | LOW CLEARANCE (SYMBOL)                           |
| WO12-2X       | 24X18  | 3.00   |      |            |           |             |           | LOW CLEARANCE (PLAQUE)                           |
| WO12-2a       | 84X24  | 14.00  |      |            |           |             |           | OVERHEAD LOW CLEARANCE (FEET AND INCHES)         |
| WO12-4        | 120X60 | 50.00  |      |            |           |             |           | LOW CLEARANCE XX FT XX IN XX MILES AHEAD         |
| WO12-5        | 120X60 | 50.00  |      |            |           |             |           | WIDTH RESTRICTION XX FT                          |

| SIGN                         | SIZE<br>IN. | AREA<br>SQ. FT. | QTY<br>EACH | TOTAL<br>SQ. FT. | RELOC<br>EACH | TOTAL<br>RELOC<br>SQ. FT. | SIGN<br>NUM.                                                      |
|------------------------------|-------------|-----------------|-------------|------------------|---------------|---------------------------|-------------------------------------------------------------------|
| <b>GUIDE SIGNS</b>           |             |                 |             |                  |               |                           | <b>DESCRIPTION</b>                                                |
| E05-1                        | 36X48       | 12.00           |             |                  |               |                           | GORE EXIT                                                         |
| E05-2                        | 48X36       | 12.00           |             |                  |               |                           | EXIT OPEN                                                         |
| E05-2a                       | 48X36       | 12.00           |             |                  |               |                           | EXIT CLOSED                                                       |
| GO20-1                       | 60X24       | 10.00           | 2           | 20.00            |               |                           | ROAD WORK NEXT XX MILES                                           |
| GO20-2                       | 48X24       | 8.00            | 2           | 16.00            |               |                           | END ROAD WORK                                                     |
| GO20-4                       | 36X18       | 4.50            |             |                  |               |                           | PILOT CAR FOLLOW ME                                               |
| GO20-4a                      | 42X30       | 8.75            |             |                  |               |                           | PILOT CAR IN USE WAIT & FOLLOW                                    |
| GO20-4a                      | 18X12       | 1.50            |             |                  |               |                           | PILOT CAR IN USE WAIT & FOLLOW                                    |
| GO20-5aP                     | 36X24       | 6.00            |             |                  |               |                           | WORK ZONE (PLAQUE)                                                |
| MO4-8a                       | 24X18       | 3.00            |             |                  |               |                           | END DETOUR                                                        |
| MO4-9L                       | 48X36       | 12.00           |             |                  |               |                           | DETOUR (LEFT ARROW)                                               |
| MO4-9R                       | 48X36       | 12.00           |             |                  |               |                           | DETOUR (RIGHT ARROW)                                              |
| MO4-9P                       | 48X12       | 4.00            |             |                  |               |                           | STREET NAME (PLAQUE)                                              |
| MO4-10L                      | 48X18       | 6.00            |             |                  |               |                           | DETOUR (ARROW LEFT)                                               |
| MO4-10R                      | 48X18       | 6.00            |             |                  |               |                           | DETOUR (ARROW RIGHT)                                              |
| <b>REGULATORY SIGNS</b>      |             |                 |             |                  |               |                           |                                                                   |
| R1-1                         | 48X48       | 13.25           | 8           | 106.00           |               |                           | STOP                                                              |
| R1-2                         | 48TR        | 6.93            |             |                  |               |                           | YIELD                                                             |
| R1-2a                        | 36X36       | 9.00            |             |                  |               |                           | TO ONCOMING TRAFFIC (PLAQUE)                                      |
| R1-3P                        | 30X12       | 2.50            |             |                  |               |                           | ALL WAY (PLAQUE)                                                  |
| R2-1                         | 36X48       | 12.00           |             |                  |               |                           | SPEED LIMIT XX                                                    |
| R3-1                         | 48X48       | 16.00           |             |                  |               |                           | NO RIGHT TURN (SYMBOL)                                            |
| R3-2                         | 48X48       | 16.00           |             |                  |               |                           | NO LEFT TURN (SYMBOL)                                             |
| R3-3                         | 36X36       | 9.00            |             |                  |               |                           | NO TURNS                                                          |
| R3-4                         | 48X48       | 16.00           |             |                  |               |                           | NO U-TURN (SYMBOL)                                                |
| R3-7L                        | 30X30       | 6.25            |             |                  |               |                           | LEFT LANE MUST TURN LEFT                                          |
| R3-7R                        | 30X30       | 6.25            |             |                  |               |                           | RIGHT LANE MUST TURN RIGHT                                        |
| R4-1                         | 36X48       | 12.00           |             |                  |               |                           | DO NOT PASS                                                       |
| R4-2                         | 36X48       | 12.00           |             |                  |               |                           | PASS WITH CARE                                                    |
| R4-8a                        | 36X48       | 12.00           |             |                  |               |                           | KEEP LEFT (HORIZONTAL ARROW)                                      |
| R4-7a                        | 36X48       | 12.00           |             |                  |               |                           | KEEP RIGHT (HORIZONTAL ARROW)                                     |
| R5-1                         | 30X30       | 6.25            |             |                  |               |                           | DO NOT ENTER                                                      |
| R5-1a                        | 36X24       | 6.00            |             |                  |               |                           | WRONG WAY                                                         |
| R6-1L                        | 54X18       | 6.75            |             |                  |               |                           | ONE WAY ARROW (LEFT)                                              |
| R6-1R                        | 54X18       | 6.75            |             |                  |               |                           | ONE WAY ARROW (RIGHT)                                             |
| R6-2L                        | 24X30       | 5.00            |             |                  |               |                           | ONE WAY (LEFT)                                                    |
| R6-2R                        | 24X30       | 5.00            |             |                  |               |                           | ONE WAY (RIGHT)                                                   |
| R9-9                         | 24X12       | 2.00            |             |                  |               |                           | SIDEWALK CLOSED                                                   |
| R9-11L                       | 24X18       | 3.00            |             |                  |               |                           | SIDEWALK CLOSED AHEAD,<br>(ARROW LEFT) CROSS HERE                 |
| R9-11R                       | 24X18       | 3.00            |             |                  |               |                           | SIDEWALK CLOSED AHEAD,<br>(ARROW RIGHT) CROSS HERE                |
| R10-6                        | 24X36       | 6.00            |             |                  |               |                           | STOP HERE ON RED (45° ARROW)                                      |
| R11-2                        | 48X30       | 10.00           |             |                  |               |                           | ROAD CLOSED                                                       |
| R11-3a                       | 60X30       | 12.50           |             |                  |               |                           | ROAD CLOSED XX MILES AHEAD<br>LOCAL TRAFFIC ONLY                  |
| R11-4                        | 60X30       | 12.50           |             |                  |               |                           | ROAD CLOSED TO THRU TRAFFIC                                       |
| CONST-3A                     | 60X48       | 20.00           |             |                  |               |                           | FINE SIGN                                                         |
| CONST-3X                     | 56X12       | 4.67            |             |                  |               |                           | SPEEDING/PASSING (PLATE)                                          |
| <b>MISCELLANEOUS SIGNS</b>   |             |                 |             |                  |               |                           |                                                                   |
| CONST-5                      | 48X36       | 12.00           |             |                  |               |                           | POINT OF PRESENCE                                                 |
| CONST-5                      | 96X48       | 32.00           | 2           | 64.00            |               |                           | POINT OF PRESENCE                                                 |
| CONST-7                      | 48X24       | 8.00            |             |                  |               |                           | RATE OUR WORK ZONE                                                |
| CONST-7                      | 72X36       | 18.00           | 2           | 36.00            |               |                           | RATE OUR WORK ZONE                                                |
| CONST-8                      | 48X36       | 12.00           | 2           | 24.00            |               |                           | WORK ZONE NO PHONE ZONE                                           |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
|                              |             |                 |             |                  |               |                           |                                                                   |
| 616-10.05 CONSTRUCTION SIGNS |             |                 |             | TOTAL<br>654     |               |                           |                                                                   |
| 616-10.10 RELOCATED SIGNS    |             |                 |             |                  |               | TOTAL<br>*                | * NO DIRECT PAY WILL BE MADE<br>** NOT INCLUDED IN LUMP SUM TOTAL |

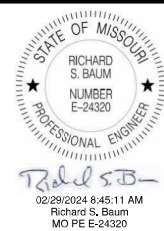
\* NO DIRECT PAY WILL BE MAKE FOR RELOCATION OF CONSTRUCTION SIGNING OR DEVICES  
\*\* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL = 1 LUMP SUM

| ITEM<br>NUMBER | TOTAL<br>QTY | DESCRIPTION                                                                     |
|----------------|--------------|---------------------------------------------------------------------------------|
| 6122008        |              | IMPACT ATTENUATOR 40 MPH (SAND BARRELS)                                         |
| 6122009        | 2**          | IMPACT ATTENUATOR 45 MPH (SAND BARRELS)                                         |
| 6122010        |              | IMPACT ATTENUATOR 50 MPH (SAND BARRELS)                                         |
| 6122012        |              | IMPACT ATTENUATOR 55 MPH (SAND BARRELS)                                         |
| 6122014        |              | IMPACT ATTENUATOR 60 MPH (SAND BARRELS)                                         |
| 6122017        |              | IMPACT ATTENUATOR 65 MPH (SAND BARRELS)                                         |
| 6122019        |              | IMPACT ATTENUATOR 70 MPH (SAND BARRELS)                                         |
| 6122020        |              | REPLACEMENT SAND BARREL                                                         |
| 6122030        |              | IMPACT ATTENUATOR (RELOCATION)                                                  |
| 6123001        | 1**          | TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)                                       |
| 6161008        | 4            | ADVANCED WARNING RAIL SYSTEM                                                    |
| 6161012        |              | BUOYS (BOATS KEEP OUT)                                                          |
| 6161013        |              | BUOYS (NO WAKE)                                                                 |
| 6161014        |              | SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)                                          |
| 6161025        | 470          | CHANNELIZER (TRIM LINE)                                                         |
| 6161030        |              | TYPE III MOVEABLE BARRICADE                                                     |
| 6161033        | 10           | DIRECTION INDICATOR BARRICADE                                                   |
| 6161040        | 4            | FLASHING ARROW PANEL                                                            |
| 6161047        |              | TYPE III OBJECT MARKER                                                          |
| 6161055        |              | SEQUENTIAL FLASHING WARNING LIGHT                                               |
| 6161070        |              | TUBULAR MARKER                                                                  |
| 6161095        |              | RADAR SPEED ADVISORY SYSTEM                                                     |
| 6161096        |              | CHANGEABLE MESSAGE SIGN,<br>COMMISSION FURNISHED/RETAINED                       |
| 6161098A       | 2**          | CHANGEABLE MESSAGE SIGN W/O COMM.<br>INTERFACE - CONTRACTOR FURNISHED/RETAINED  |
| 6161099        |              | CHANGEABLE MESSAGE SIGN WITH COMM.<br>INTERFACE - CONTRACTOR FURNISHED/RETAINED |
| 6162000A       |              | WORK ZONE TRAFFIC SIGNAL SYSTEM                                                 |
| 6162002        |              | TEMPORARY LONG-TERM RUMBLE STRIPS                                               |
| 6173600D       | 700**        | TEMPORARY TRAFFIC BARRIER<br>CONTRACTOR FURNISHED/RETAINED                      |
| 6173602B       |              | TEMPORARY TRAFFIC BARRIER<br>CONTRACTOR FURNISHED/COMMISSION RETAINED           |
| 6174000A       |              | TEMP. TRAFFIC BARRIER HEIGHT TRANSITION                                         |
| 6175010A       |              | RELOCATING TEMPORARY TRAFFIC BARRIER                                            |
| 6176000B       |              | TEMPORARY TRAFFIC BARRIER<br>COMMISSION FURNISHED/RETAINED                      |
| 6177000B       |              | TEMP. TRAFFIC BARRIER HEIGHT TRANSITION<br>COMMISSION FURNISHED/RETAINED        |
| 6208064A       |              | TEMPORARY RAISED PAVEMENT MARKER                                                |
| 9029400        |              | TEMPORARY TRAFFIC SIGNALS                                                       |
| 9029401        |              | TEMPORARY TRAFFIC SIGNALS AND LIGHTING                                          |
|                |              |                                                                                 |
|                |              |                                                                                 |
|                |              |                                                                                 |
|                |              |                                                                                 |
|                |              |                                                                                 |

NOTE:  
ALL WARNING SIGNS SHALL HAVE FLORESCENT SHEETING.

SUMMARY OF QUANTITIES  
SHEET 13 OF 13



DATE PREPARED  
29 - FEB - 2024

|                |                |
|----------------|----------------|
| ROUTE<br>H     | STATE<br>MO    |
| DISTRICT<br>SL | SHEET NO.<br>3 |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J653278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

N 2012



**Jacobs.**  
JACOBS ENGINEERING GROUP  
HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000

LEGEND

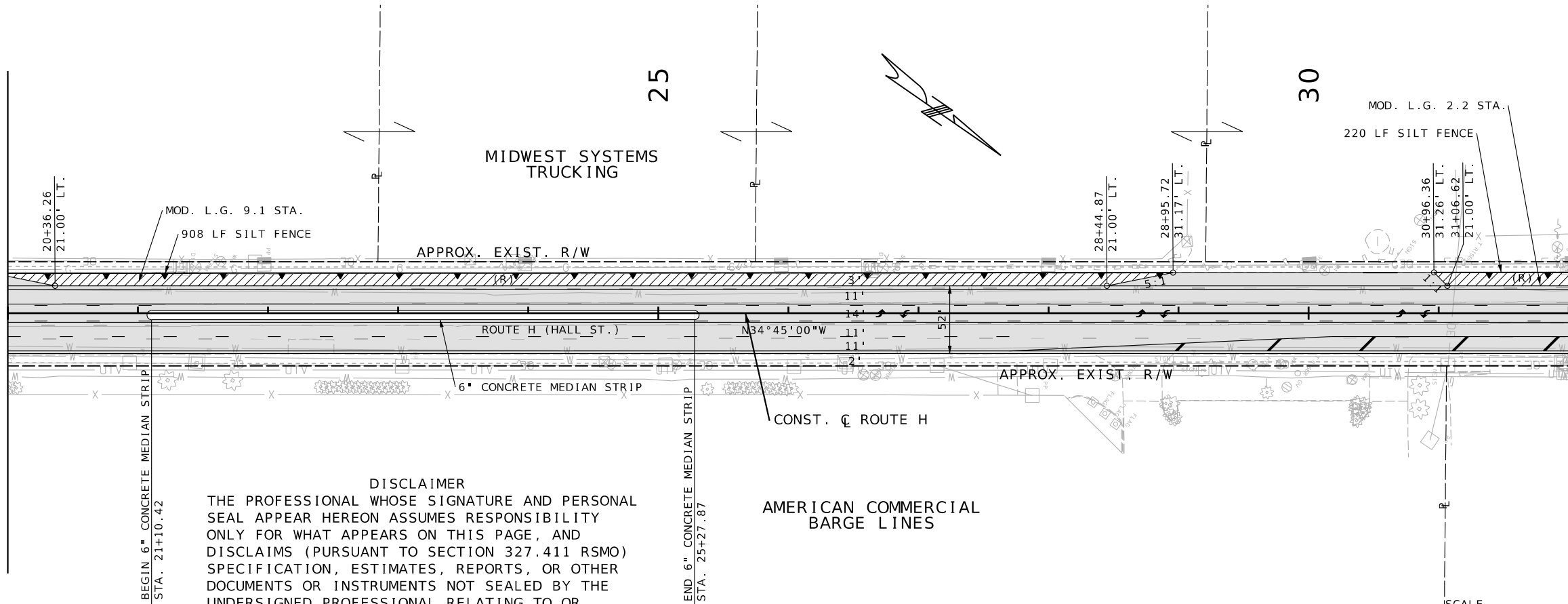
PAVEMENT REMOVAL

RESURFACING LIMITS

NOTES:

1. SEE SPECIAL DETAIL SHEET 1 OF 4 FOR INTERSECTION DETAILS.

MATCH LINE STA. 20+00



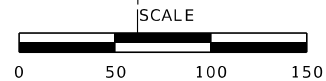
BEGIN PROJECT IMPROVEMENTS  
BEGIN COLDMILL & RESURFACING  
STA. 10+00.00

BEGIN 6" CONCRETE MEDIAN STRIP  
STA. 21+10.42

END 6" CONCRETE MEDIAN STRIP  
STA. 25+27.87

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ROADWAY PLAN  
SHEET 1 OF 9

DATE PREPARED  
29-FEB-2024

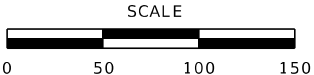
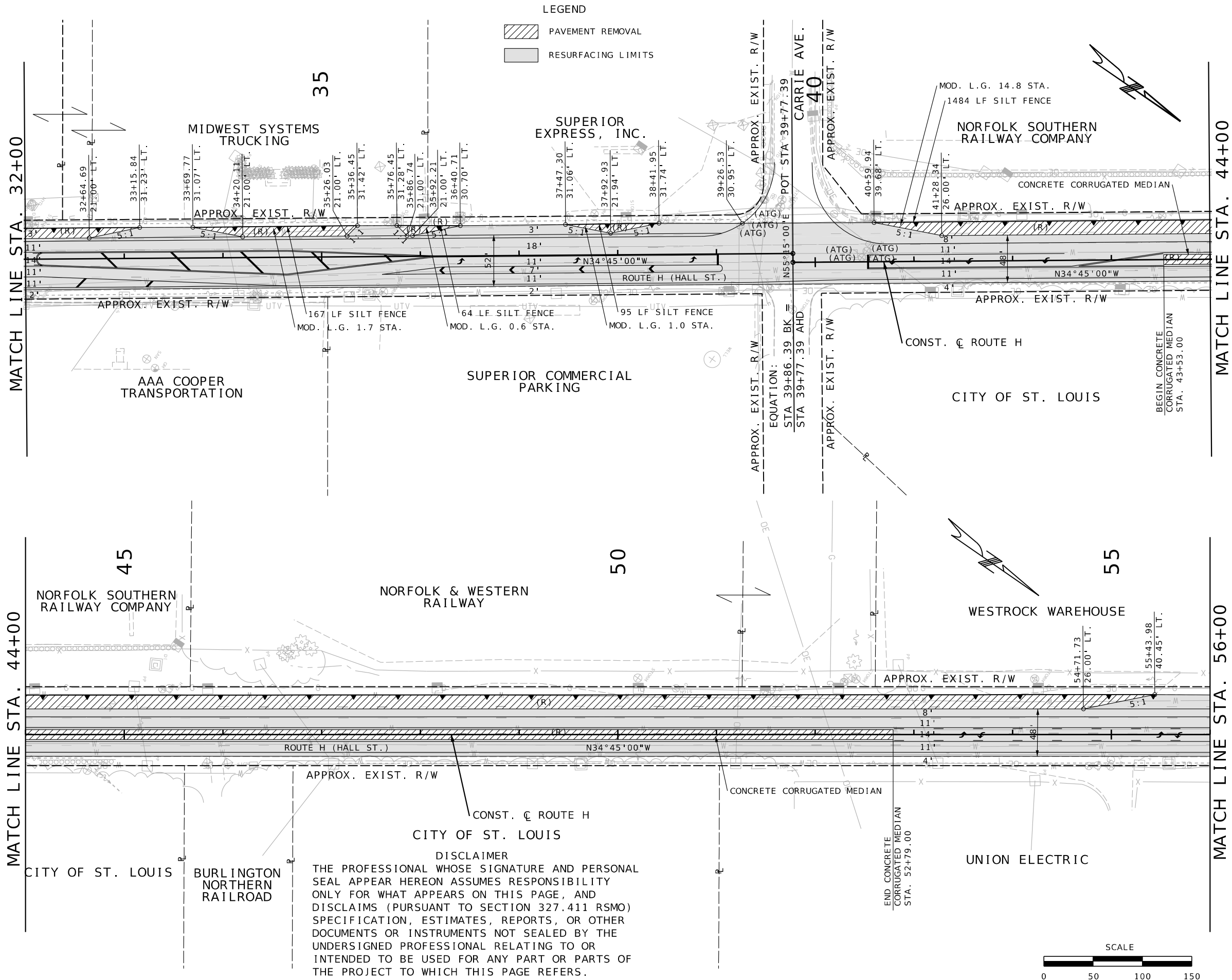
|                          |                |
|--------------------------|----------------|
| ROUTE<br>H               | STATE<br>MO    |
| DISTRICT<br>SL           | SHEET NO.<br>4 |
| COUNTY<br>ST. LOUIS CITY |                |
| JOB NO.<br>J6S3278       |                |
| CONTRACT ID.             |                |
| PROJECT NO.              |                |
| BRIDGE NO.               |                |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

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ROADWAY PLAN  
SHEET 2 OF 9

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PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

STATE OF MISSOURI  
RICHARD S. BAUM  
NUMBER E-24320  
PROFESSIONAL ENGINEER

DATE PREPARED  
29-FEB-2024

|          |           |
|----------|-----------|
| ROUTE    | STATE     |
| H        | MO        |
| DISTRICT | SHEET NO. |
| SL       | 5         |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

| DATE | DESCRIPTION |
|------|-------------|
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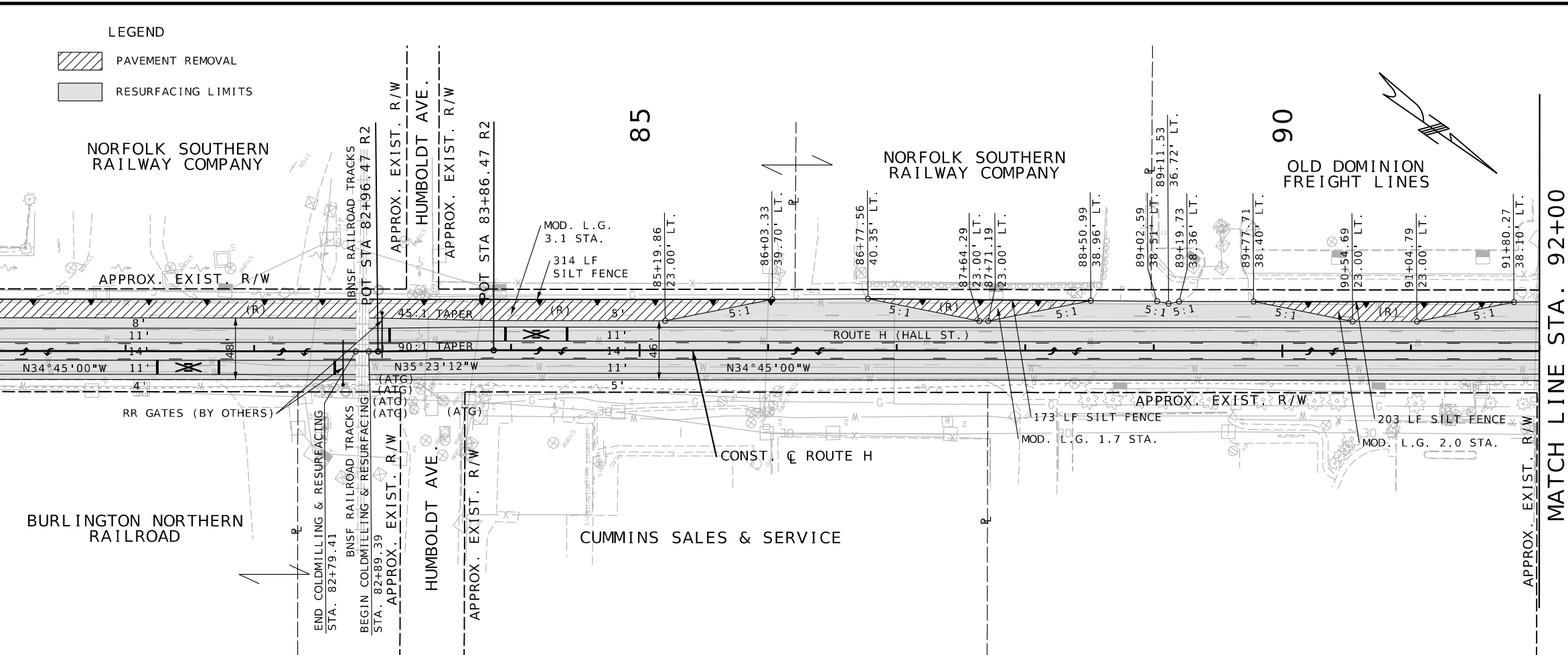
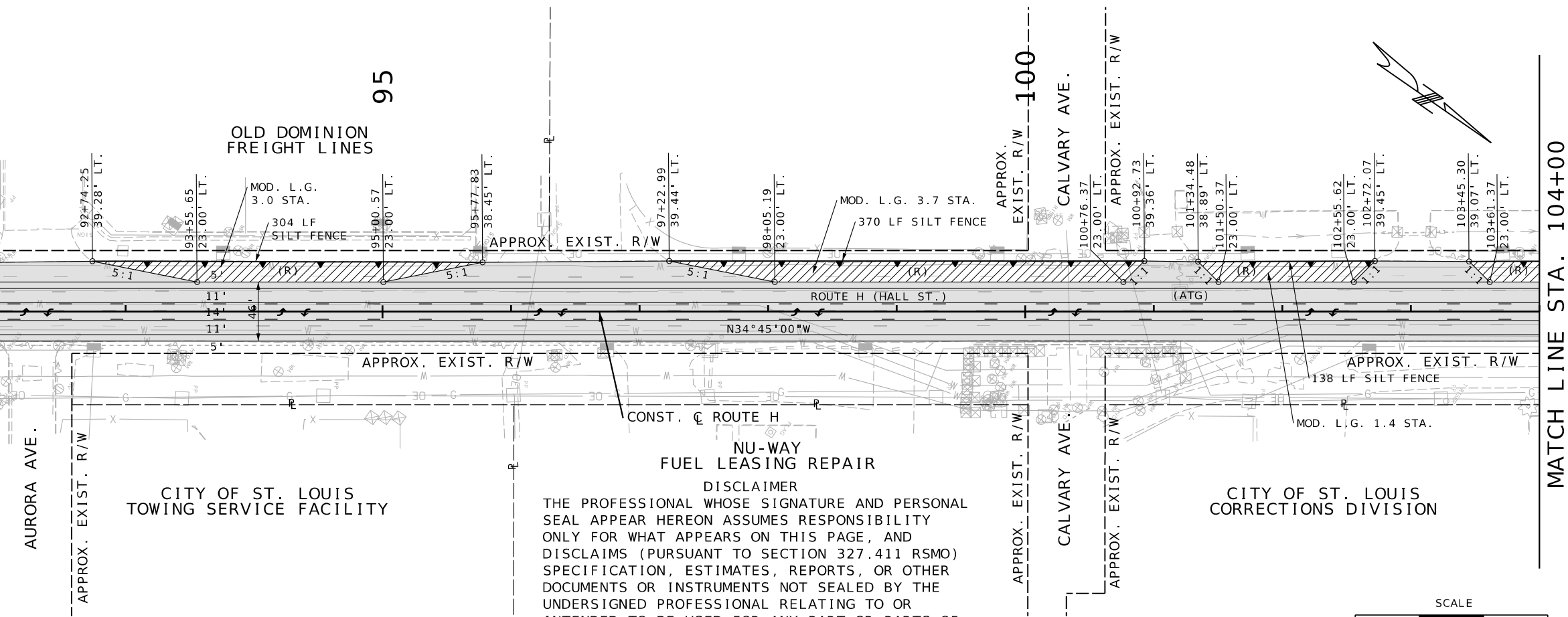
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MATCH LINE STA. 92+00

MATCH LINE STA. 80+00



- LEGEND
- PAVEMENT REMOVAL
  - RESURFACING LIMITS

NORFOLK SOUTHERN RAILWAY COMPANY

BURLINGTON NORTHERN RAILROAD

NORFOLK SOUTHERN RAILWAY COMPANY

OLD DOMINION FREIGHT LINES

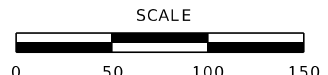
OLD DOMINION FREIGHT LINES

CITY OF ST. LOUIS TOWING SERVICE FACILITY

NU-WAY FUEL LEASING REPAIR

CITY OF ST. LOUIS CORRECTIONS DIVISION

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ROADWAY PLAN SHEET 4 OF 9

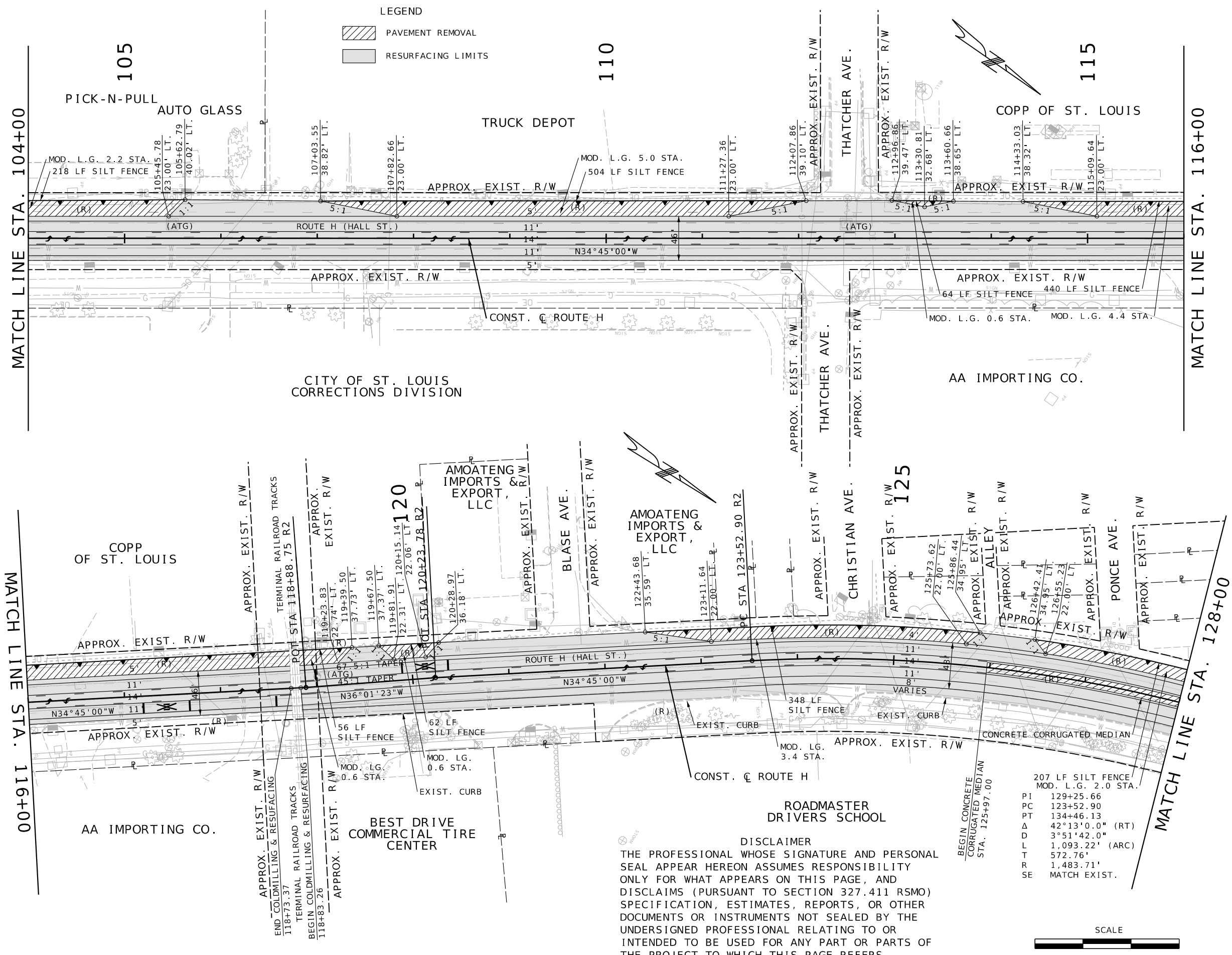
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

|                                                                                                                     |                |
|---------------------------------------------------------------------------------------------------------------------|----------------|
| STATE OF MISSOURI<br>RICHARD S. BAUM<br>NUMBER E-24320<br>PROFESSIONAL ENGINEER<br>Richard S. Baum<br>MO PE E-24320 |                |
| DATE PREPARED<br>29-FEB-2024                                                                                        |                |
| ROUTE<br>H                                                                                                          | STATE<br>MO    |
| DISTRICT<br>SL                                                                                                      | SHEET NO.<br>7 |
| COUNTY<br>ST. LOUIS CITY                                                                                            |                |
| JOB NO.<br>J6S3278                                                                                                  |                |
| CONTRACT ID.                                                                                                        |                |
| PROJECT NO.                                                                                                         |                |
| BRIDGE NO.                                                                                                          |                |
| DATE                                                                                                                | DESCRIPTION    |
|                                                                                                                     |                |
|                                                                                                                     |                |
|                                                                                                                     |                |
|                                                                                                                     |                |
|                                                                                                                     |                |

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STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

8

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

Jacobs

JACOBS ENGINEERING GROUP

1001 HIGHLANDS PLAZA DRIVE W, SUITE 400

ST. LOUIS, MISSOURI 63110

PHONE: (314) 350-0000

CERTIFICATE OF AUTHORITY #00704

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ROADWAY PLAN

SHEET 5 OF 9

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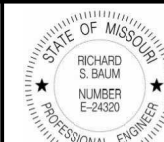




- LEGEND
- PAVEMENT REMOVAL
  - RESURFACING LIMITS

NOTES:

1. SEE SPECIAL DETAIL SHEET 2 OF 5 FOR INTERSECTION DETAILS.



Richard S. Baum  
Richard S. Baum  
MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 11

COUNTY ST. LOUIS CITY

JOB NO. J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

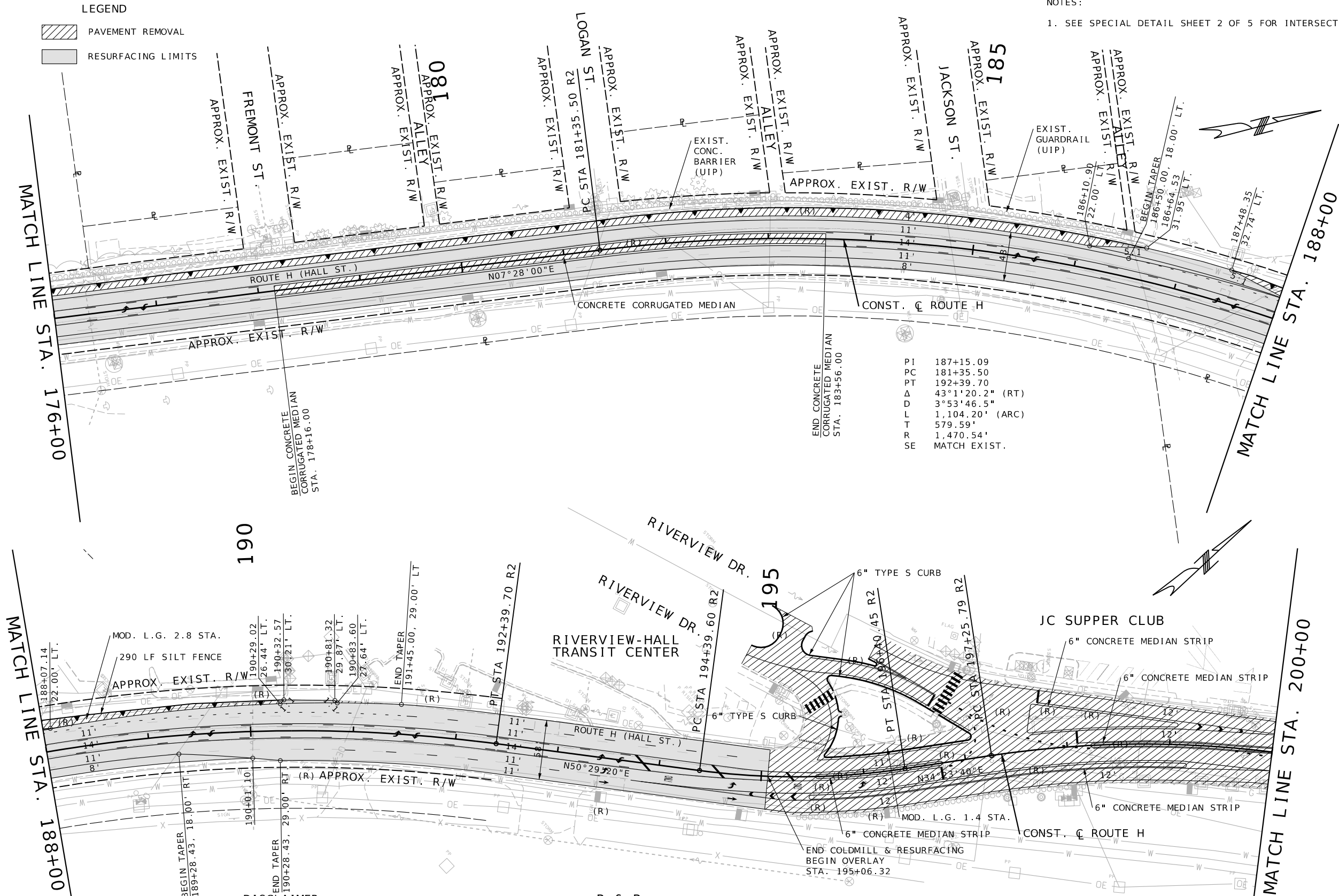
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

JACOBS

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

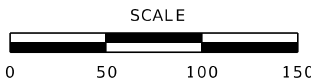


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R & R  
RIVER-ROADS SALES & LEASING

PI 195+40.69  
PC 194+39.60  
PT 196+40.45  
Δ 16°5'40.6" (LT)  
D 8°0'48.2"  
L 200.85' (ARC)  
T 101.09'  
R 715.00'  
SE MATCH EXIST.

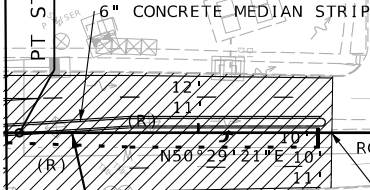
PI 198+67.18  
PC 197+25.79  
PT 200+06.70  
Δ 16°5'41.0" (RT)  
D 5°43'46.5"  
L 280.91' (ARC)  
T 141.38'  
R 1,000.00'  
SE MATCH EXIST.



ROADWAY PLAN  
SHEET 8 OF 9

MATCH LINE STA. 200+00

PT STA 200+06.70 R2



CHAIN OF ROCKS DR.

POT STA 203+00.00 R2

LEGEND



PAVEMENT REMOVAL  
RESURFACING LIMITS

CONST. C ROUTE H

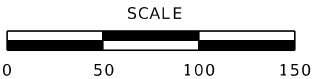
ROUTE H (HALL ST.)

END PROJECT IMPROVEMENTS  
END OVERLAY  
STA. 201+69.57

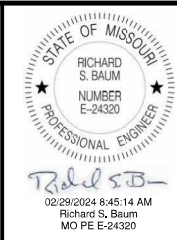
COMMERCIAL PLATING

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ROADWAY PLAN  
SHEET 9 OF 9



DATE PREPARED  
29-FEB-2024

|          |           |
|----------|-----------|
| ROUTE    | STATE     |
| H        | MO        |
| DISTRICT | SHEET NO. |
| SL       | 12        |

COUNTY  
ST. LOUIS CITY  
JOB NO.  
J6S3278  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

| DESCRIPTION | DATE |
|-------------|------|
|             |      |
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

**Jacobs**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM

MODIFIED MISSOURI STATE PLANE

HORIZONTAL DATUM

NAD83 (2011)

VERTICAL DATUM

NAVD88

GEOID MODEL

GEOID18

ELEVATIONS DETERMINED BY

ST.LOUIS CITY BENCHMARKS CSL21

PROJECT PROJECTION FACTOR

1.0000878

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM

MODIFIED MO. STATE PLANE EAST

CONTROL STATION

CORS

DESIGNATION

MoDOT BELLEFRONT CORS ARP

CORS\_ID

MOBL

PID

DM3511

LATITUDE

38°45'53.88147"

LONGITUDE

90°14'43.15775"

NORTHING (M)

-4979765.982

EASTING (M)

-21321.845

ZONE

EAST

PROJECT AVERAGE GRID FACTOR

0.999912208

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR  
= STATE PLANE NORTHING  
PROJECT EASTING X AVERAGE GRID FACTOR  
= STATE PLANE EASTING  
  
EXAMPLE: CONTROL POINT #QE11  
N 1053319.966 X 0.999912208 = N 1053227.493  
E 898640.287 X 0.999912208 = E 898561.393

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

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| PROJECT CONTROL POINTS |                               |                             |           |                |
|------------------------|-------------------------------|-----------------------------|-----------|----------------|
| POINT                  | MODIFIED STATE PLANE (GROUND) |                             | ELEVATION | DESCRIPTION    |
|                        | NORTHING<br>(US SURVEY FEET)  | EASTING<br>(US SURVEY FEET) |           |                |
| CSL21                  | 1045347.646                   | 899412.038                  | 430.12    | NGS HZ BM      |
| 1                      | 1037848.563                   | 904638.730                  | 428.55    | IRON ROD       |
| 2                      | 1038467.898                   | 904084.576                  | 428.45    | PK NAIL        |
| 3                      | 1039392.905                   | 903557.137                  | 428.53    | IRON ROD       |
| 4                      | 1040084.602                   | 902969.711                  | 428.14    | COTTON SPINDLE |
| 5                      | 1040732.633                   | 902619.723                  | 428.09    | IRON ROD       |
| 6                      | 1041558.669                   | 901942.781                  | 427.74    | IRON ROD       |
| 7                      | 1042390.856                   | 901467.695                  | 428.41    | IRON ROD       |
| 8                      | 1043254.187                   | 900767.587                  | 428.34    | IRON ROD       |
| 9                      | 1043931.999                   | 900407.447                  | 428.75    | IRON ROD       |
| 10                     | 1044841.500                   | 899660.504                  | 428.19    | CUT CROSS      |
| 11                     | 1045666.550                   | 899217.380                  | 430.29    | PK NAIL        |
| 12                     | 1046534.942                   | 898611.412                  | 429.10    | IRON ROD       |
| 13                     | 1047408.602                   | 897928.827                  | 429.98    | PK NAIL        |
| 14                     | 1048624.631                   | 897919.102                  | 430.63    | CUT CROSS      |
| 15                     | 1049375.613                   | 898110.675                  | 430.54    | IRON ROD       |
| 16                     | 1050406.916                   | 898249.359                  | 430.21    | IRON ROD       |
| 17                     | 1051372.015                   | 898383.658                  | 429.66    | IRON ROD       |
| QE1 1                  | 1053319.966                   | 898640.287                  | 429.30    | MAG            |
| QE1 2                  | 1053717.894                   | 898929.722                  | 432.18    | 1P W/CAP       |
| QE1 3                  | 1053956.102                   | 899354.716                  | 429.18    | 1P W/CAP       |
| QE1 4                  | 1054472.499                   | 899732.960                  | 427.45    | CUT CROSS      |
| QE1 5                  | 1052204.268                   | 898472.234                  | 430.75    | 1P W/CAP       |

| COORDINATE POINT LISTING      |               |        |                               |                             |
|-------------------------------|---------------|--------|-------------------------------|-----------------------------|
| POINT                         | STATION       | OFFSET | MODIFIED STATE PLANE (GROUND) |                             |
|                               |               | (FEET) | NORTHING<br>(US SURVEY FEET)  | EASTING<br>(US SURVEY FEET) |
| CONSTRUCTION BASELINE ROUTE H |               |        |                               |                             |
| POB                           | 9+00.00       | 0      | 1037689.1377                  | 904680.3017                 |
| PI                            | 39+77.39      | 0      | 1040217.6662                  | 902926.1993                 |
| PI                            | 39+86.39 BK.  | 0      | 1040222.7961                  | 902933.5942                 |
| PI                            | 39+77.39 AHD. | 0      | 1040222.7961                  | 902933.5942                 |
| PI                            | 82+96.47      | 0      | 1043771.5541                  | 900471.7335                 |
| PI                            | 83+86.47      | 0      | 1043844.9324                  | 900419.6122                 |
| PI                            | 118+88.75     | 0      | 1046722.5626                  | 898423.3293                 |
| PI                            | 120+23.78     | 0      | 1046831.7750                  | 898343.9148                 |
| PC                            | 123+52.90     | 0      | 1047102.1980                  | 898156.3157                 |
| PI                            | 129+25.66     | 0      | 1047572.8068                  | 897829.8428                 |
| PT                            | 134+46.13     | 0      | 1048140.7128                  | 897904.2730                 |
| PC                            | 181+35.50     | 0      | 1052790.3283                  | 898513.6552                 |
| PI                            | 187+15.09     | 0      | 1053365.0037                  | 898588.9726                 |
| PT                            | 192+39.70     | 0      | 1053733.7545                  | 899036.1274                 |
| PC                            | 194+39.60     | 0      | 1053860.9366                  | 899190.3509                 |
| PI                            | 195+40.69     | 0      | 1053925.2520                  | 899268.3411                 |
| PT                            | 196+40.45     | 0      | 1054008.6673                  | 899325.4447                 |
| PC                            | 197+25.80     | 0      | 1054079.0923                  | 899373.6555                 |
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| PT                            | 200+06.70     | 0      | 1054285.7100                  | 899562.5993                 |
| POE                           | 203+00.00     | 0      | 1054472.3144                  | 899788.8805                 |

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

02/29/2024 8:45:15 AM

Richard S. Baum

MO PE E-24320

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

14

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

COORDINATE POINT SHEET

 PAVEMENT REMOVAL

 RESURFACING LIMITS

STATE OF MISSOURI

RICHARD  
S. BAUM

NUMBER  
E-24320

PROFESSIONAL ENGINEER

04/01/2024 8:39:07 AM

Richard S. Baum

MO PE E-24320

|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>15 |

|              |
|--------------|
| JOB NO.      |
| J6S3278      |
| CONTRACT ID. |

BRIDGE NO.

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HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
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SCALE



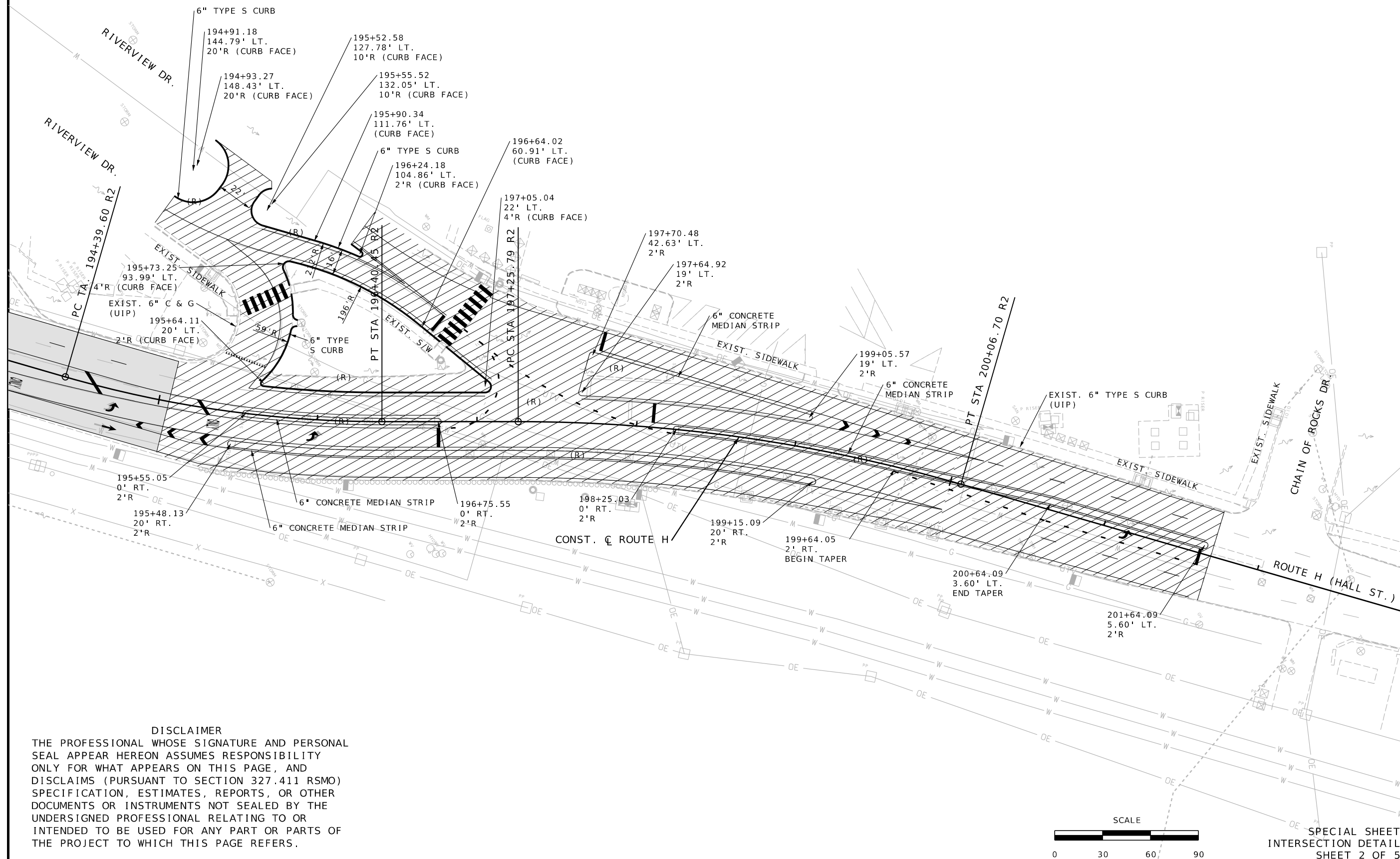
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SPECIAL SHEET  
INTERSECTION DETAIL  
SHEET 1 OF 4

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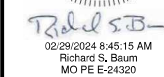
 PAVEMENT REMOVAL

 RESURFACING LIMITS



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SPECIAL SHEET  
INTERSECTION DETAIL  
SHEET 2 OF 5



DATE PREPARED  
29-FEB-2024

|            |             |
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| ROUTE<br>H | STATE<br>MO |
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| DISTRICT | SHEET NO. |
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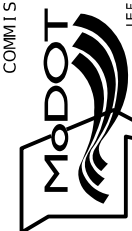
COUNTY  
ST. LOUIS CITY

JOB NO.  
1653278

CONTRACT ID.

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|-------------|
| PROJECT NO. |
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BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
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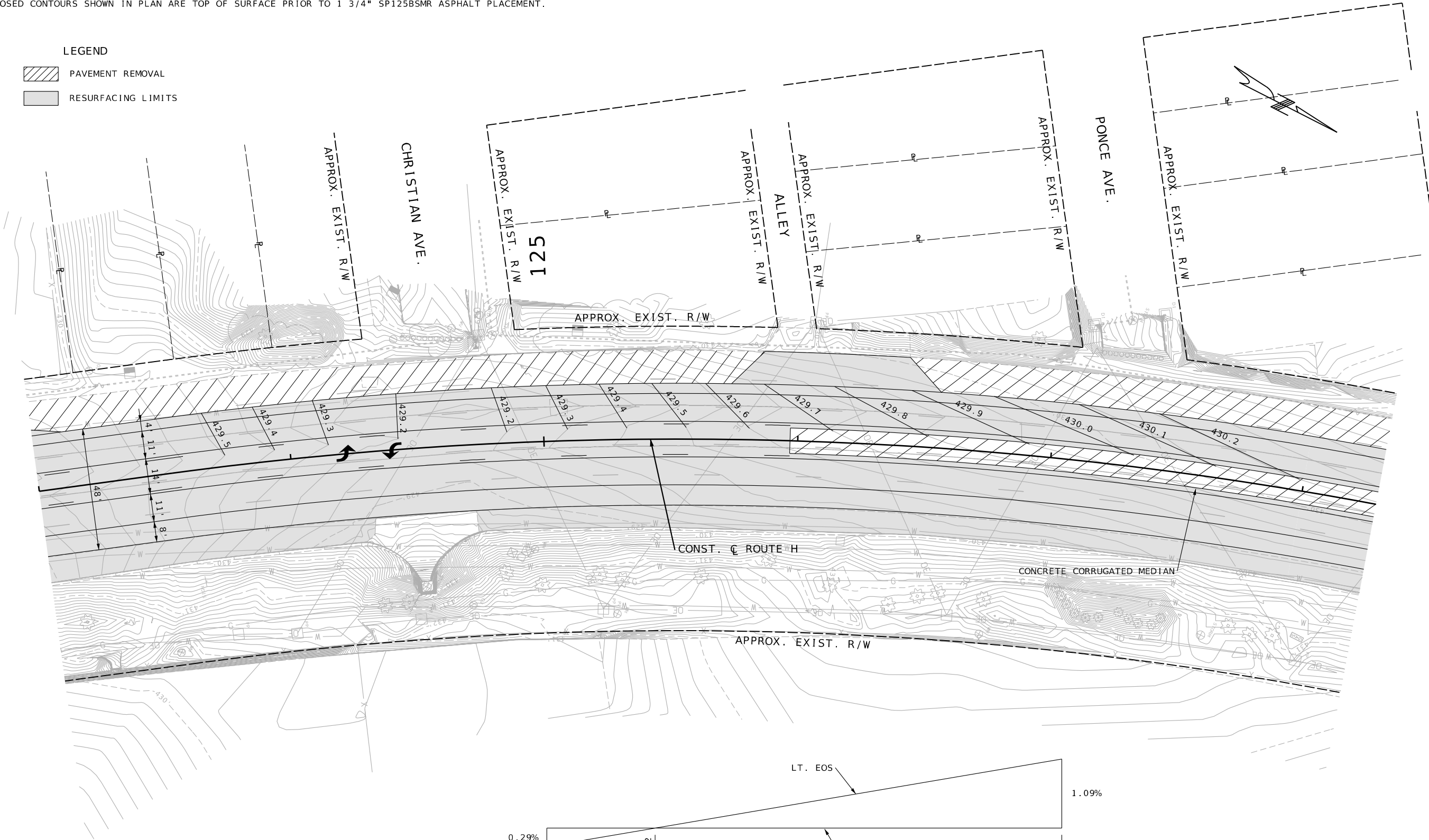
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NOTE:  
PROPOSED CONTOURS SHOWN IN PLAN ARE TOP OF SURFACE PRIOR TO 1 3/4" SP125BSMR ASPHALT PLACEMENT.

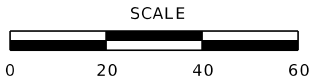
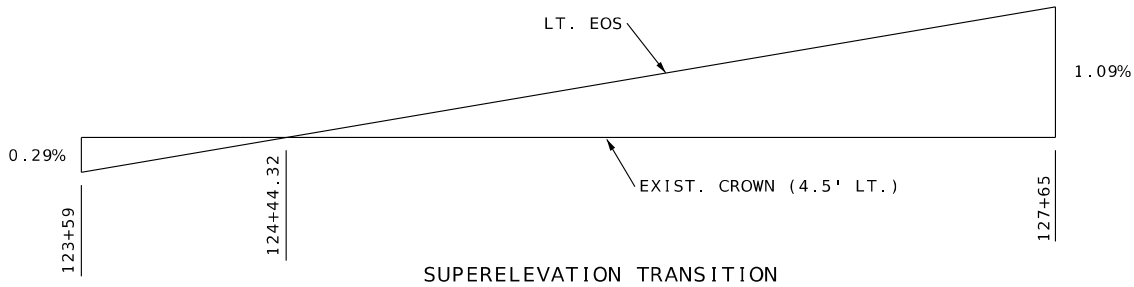
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-  PAVEMENT REMOVAL
-  RESURFACING LIMITS

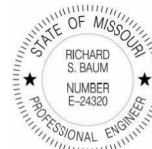


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SPECIAL SHEET  
CROSS SLOPE CORRECTION  
SHEET 2 OF 4



DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 17

COUNTY ST. LOUIS CITY

JOB NO. J653278

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)

1-888-ASK-MODOT (1-888-275-6636)

1-888-ASK-MODOT (1-888-275-6636)

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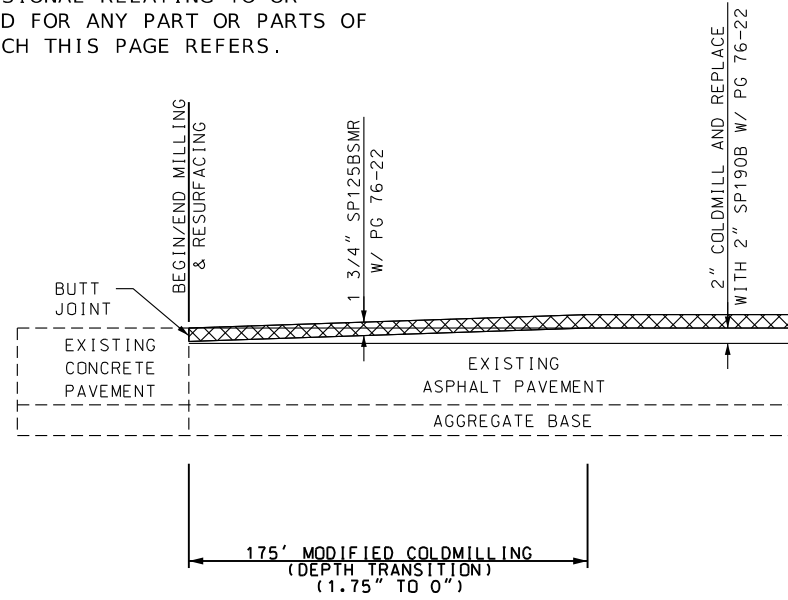
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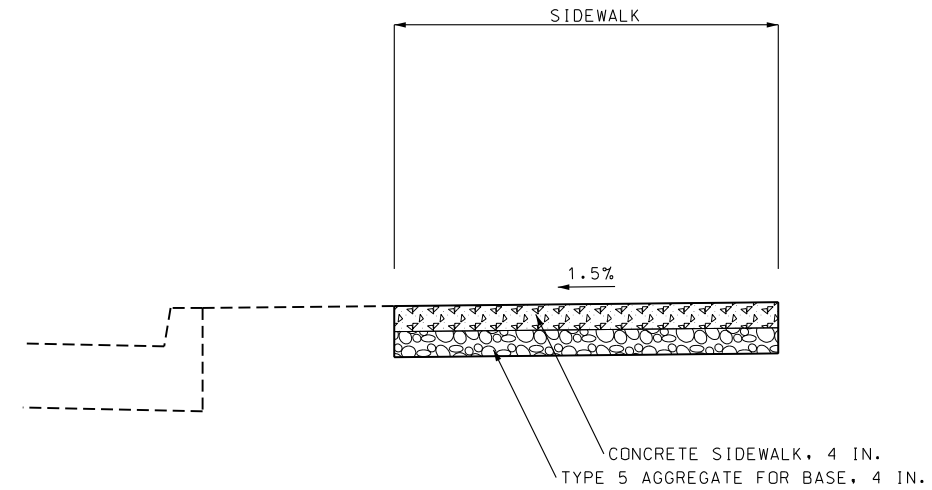


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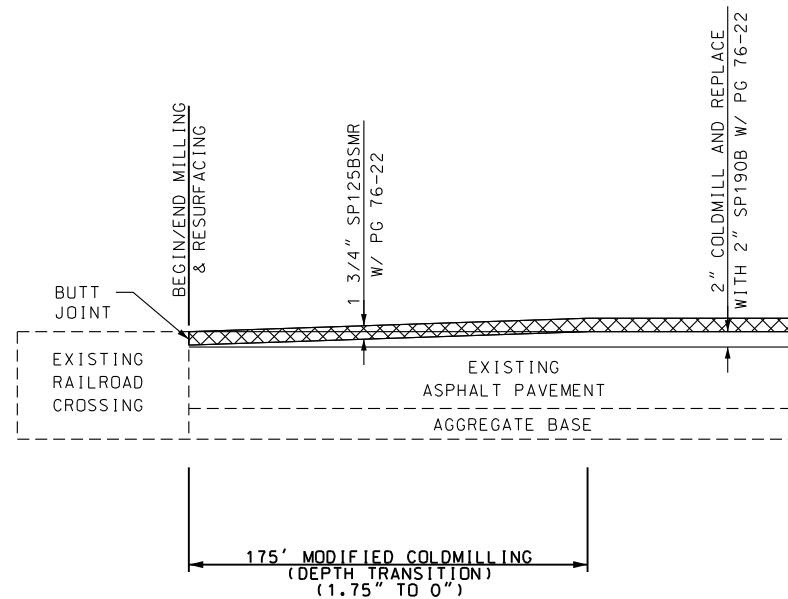
TYPICAL SECTION  
ROUTE H

NOTES:

1. SEE STANDARD DRAWING 608.10 "CONCRETE SIDEWALK" FOR ADDITIONAL INFORMATION.
2. ALL SIDEWALKS TO BE CONSTRUCTED SHALL HAVE 4 IN. OF TYPE 5 AGGREGATE FOR BASE.
3. ANY EARTHWORK REQUIRED TO PLACE THE CONCRETE SIDEWALK AND AGGREGATE BASE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE TYPE 5 AGGREGATE FOR BASE (4 IN. THICK).

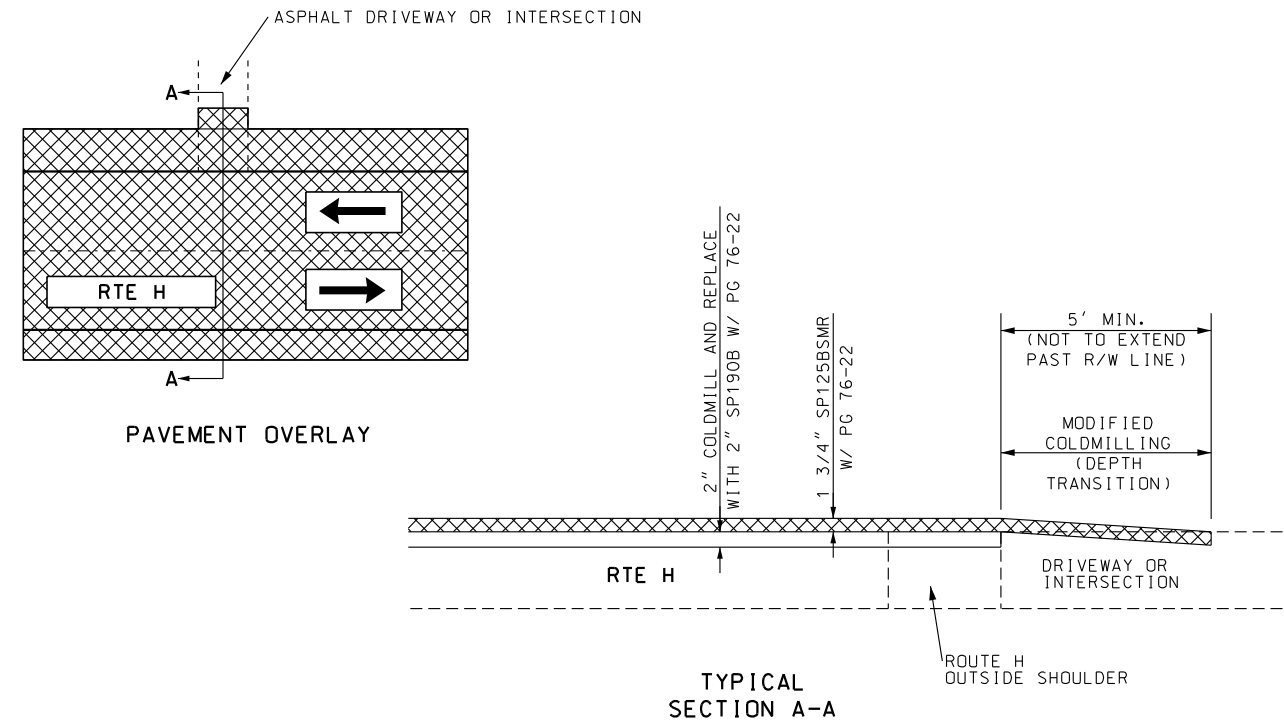


### SIDEWALK DETAIL



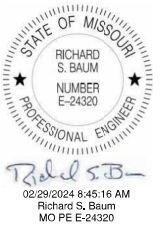
RAILROAD CROSSING TRANSITION DETAIL

TYPICAL SECTION  
ROUTE H



### DRIVEWAY & INTERSECTION DETAIL

SPECIAL SHEET  
RESURFACING & SIDEWALK DETAILS  
SHEET 3 OF 4



DATE PREPARED  
29-FEB-2024

|       |       |
|-------|-------|
| ROUTE | STATE |
| H     | MO    |

|          |           |
|----------|-----------|
| DISTRICT | SHEET NO. |
| SL       | 18        |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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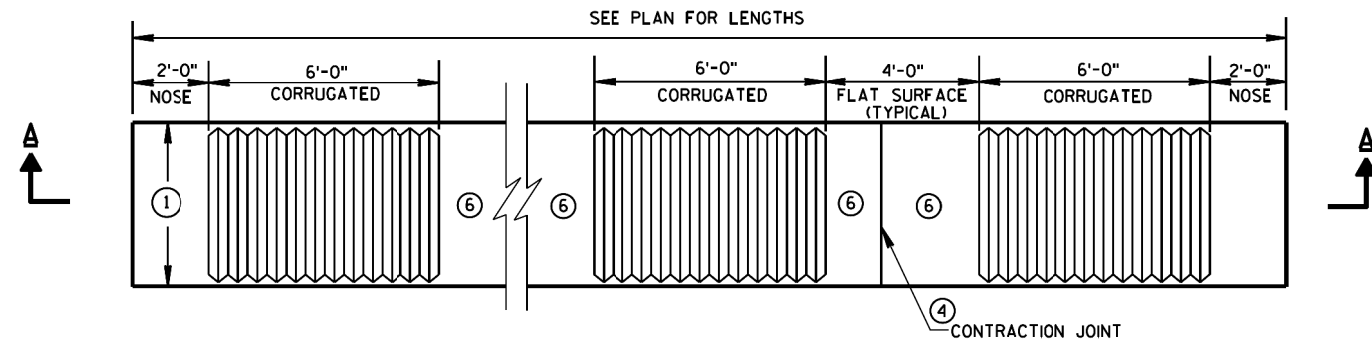
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10001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
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PHONE: (314) 335-4000  
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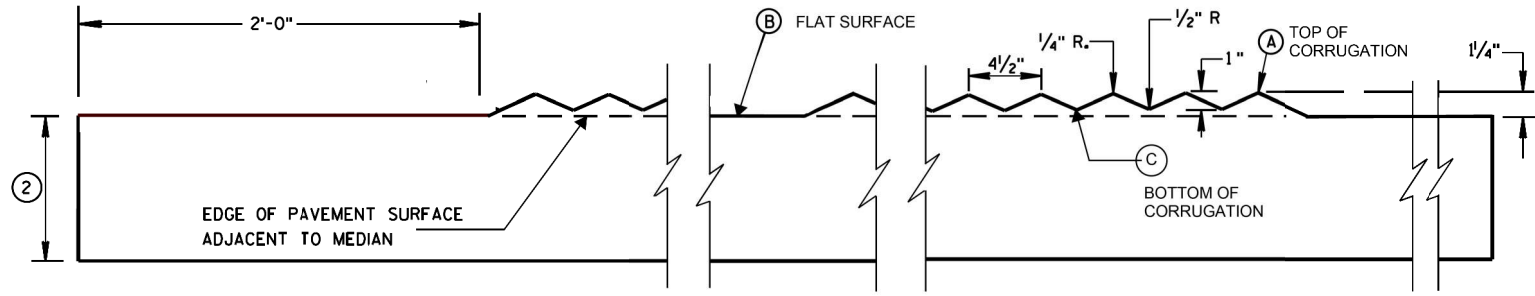




PLAN VIEW  
UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN

### GENERAL NOTES

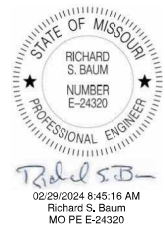
- ① SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.
- ② THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:
  - (1) NEW OR EXISTING CONCRETE PAVEMENT.
  - (2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.
  - (3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.
- ③ TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C. INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP). PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.
- ④ CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE, TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.
- ⑤ SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.
- ⑥ YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



SECTION A-A  
LONGITUDINAL SECTION

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SPECIAL SHEET  
CONCRETE CORRUGATED MEDIAN  
SHEET 4 OF 4



|                              |                 |
|------------------------------|-----------------|
| DATE PREPARED<br>29-FEB-2024 |                 |
| ROUTE<br>H                   | STATE<br>MO     |
| DISTRICT<br>SL               | SHEET NO.<br>19 |
| COUNTY<br>ST. LOUIS CITY     |                 |
| JOB NO.<br>J6S3278           |                 |
| CONTRACT ID.                 |                 |
| PROJECT NO.                  |                 |
| BRIDGE NO.                   |                 |

| DESCRIPTION | DATE |
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

**Jacobs**

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
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FAX: (314) 350-7001  
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STAGED CONSTRUCTION:

STAGE 1

1. REMOVE CONFLICTING PAVEMENT MARKING IN EXISTING N.B. LANES.
2. PROVIDE TEMPORARY PAVEMENT MARKING IN N.B. LANES.
3. SWITCH TRAFFIC SIGNALS AT ADELAIDE & GIMBLIN INTERSECTIONS TO FLASHING RED IN BOTH DIRECTIONS. PROVIDE TEMPORARY STOP SIGNS ON ALL APPROACHES TO SUPPLEMENT THE TRAFFIC SIGNALS. PROVIDE STOP AHEAD SIGNS ON ROUTE H.
4. RELOCATE TRAFFIC AS SHOWN IN STAGE 1 TYPICAL SECTION.
5. COLDMILL & REPLACE WITH 2" SP190B IN PROPOSED S.B. LANE & S.B. OUTSIDE SHOULDER.

STAGE 2

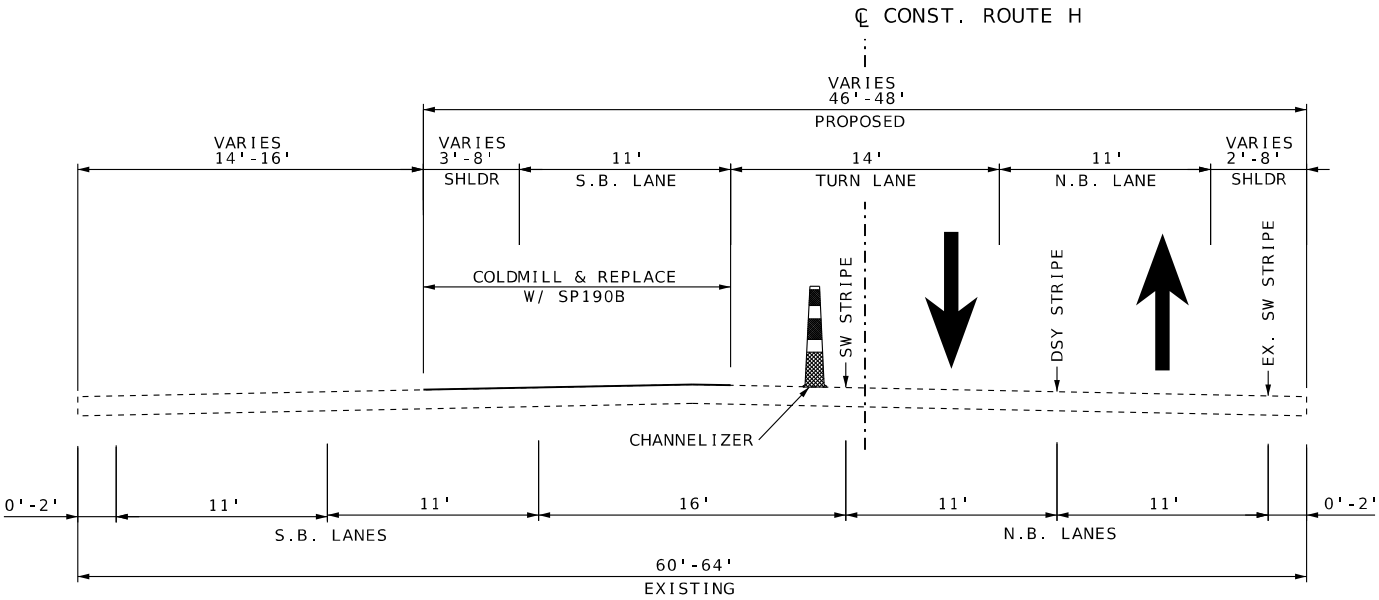
1. REMOVE CONFLICTING PAVEMENT MARKING IN EXISTING S.B. LANES.
2. PROVIDE TEMPORARY PAVEMENT MARKING IN S.B. LANES.
3. SWITCH TRAFFIC SIGNALS AT ADELAIDE & GIMBLIN INTERSECTIONS TO FLASHING RED IN BOTH DIRECTIONS. PROVIDE TEMPORARY STOP SIGNS ON ALL APPROACHES TO SUPPLEMENT THE TRAFFIC SIGNALS. PROVIDE STOP AHEAD SIGNS ON ROUTE H.
4. RELOCATE TRAFFIC AS SHOWN IN STAGE 2 TYPICAL SECTION.
5. COLDMILL & REPLACE WITH 2" SP190B AND OVERLAY WITH 1 3/4" SP125BSMR IN THE PROPOSED TWO-WAY LEFT TURN LANE (TWLTL), N.B. LANE & N.B. OUTSIDE SHOULDER.
6. CONSTRUCT CONCRETE MEDIAN AND CONCRETE CORRUGATED MEDIANS.

STAGE 3

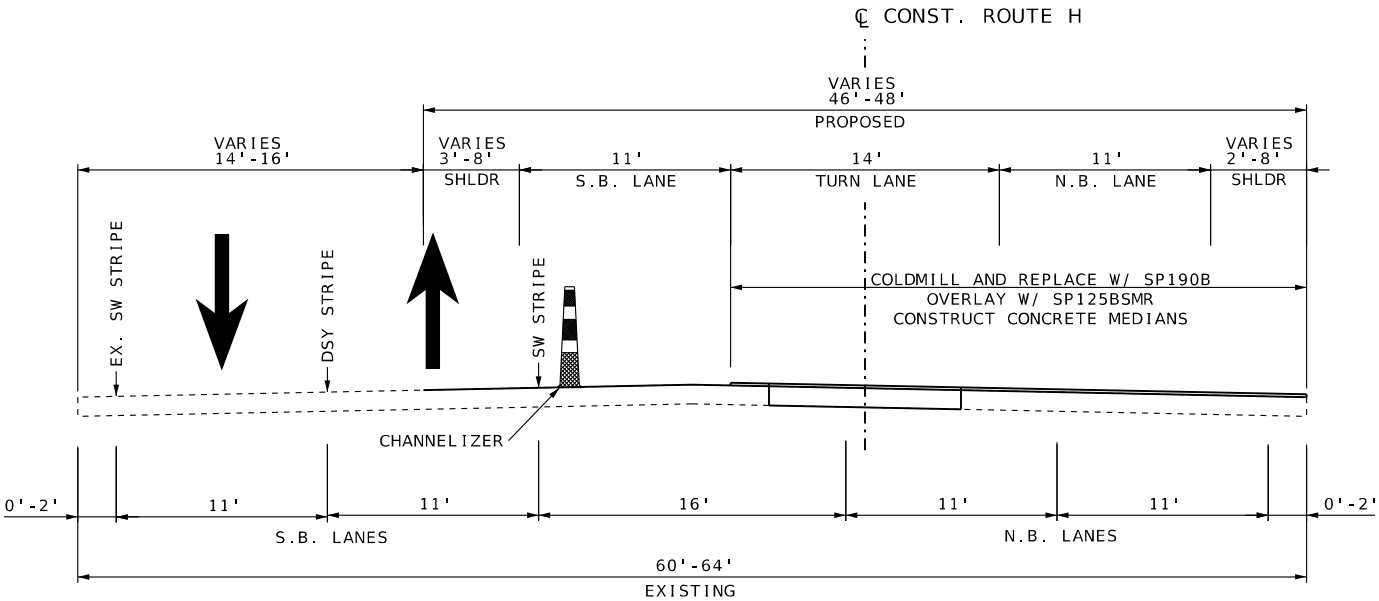
1. RELOCATE TRAFFIC AS SHOWN IN STAGE 3 TYPICAL SECTION.
2. OVERLAY WITH 1 3/4" SP125BSMR IN PROPOSED S.B. LANE & S.B. OUTSIDE SHOULDER.

STAGE 4

1. MOVE TRAFFIC TO THE FINAL CONFIGURATION.
2. INSTALL FINAL PAVEMENT MARKING.
3. REMOVE EXISTING PAVEMENT.



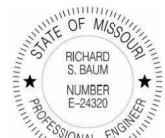
TYPICAL SECTION ROUTE H  
STAGE 1



TYPICAL SECTION ROUTE H  
STAGE 2

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MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 20

COUNTY ST. LOUIS CITY

JOB NO. J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

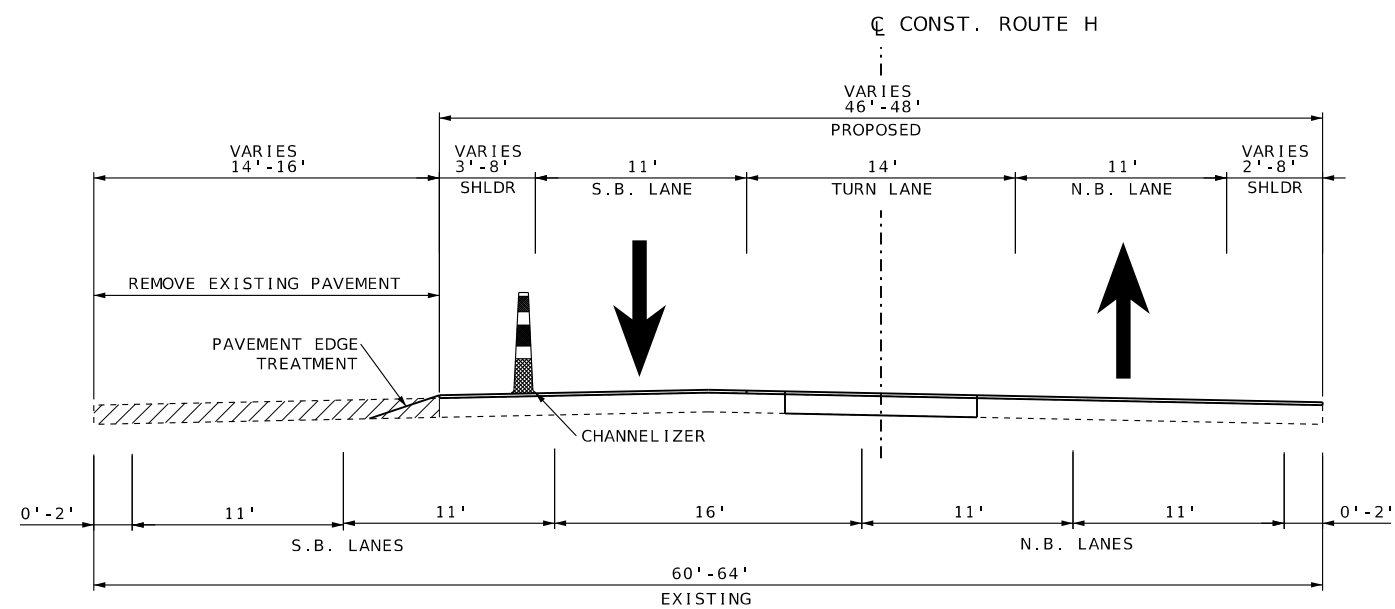
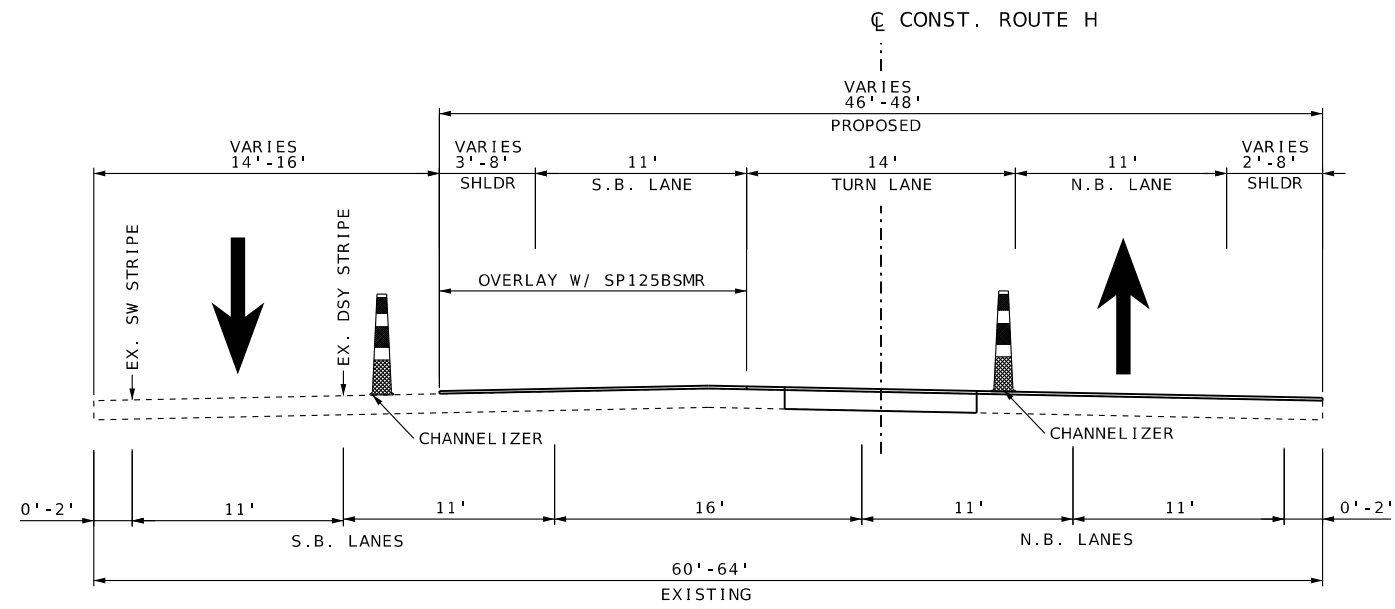
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JEFFERSON CITY, MO 65102  
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ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

JACOBS

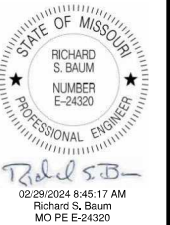
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TRAFFIC CONTROL  
SHEET 2 OF 9



|                |           |
|----------------|-----------|
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| 29-FEB-2024    |           |
| ROUTE          | STATE     |
| H              | MO        |
| DISTRICT       | SHEET NO. |
| SL             | 21        |
| COUNTY         |           |
| ST. LOUIS CITY |           |
| JOB NO.        |           |
| J6S3278        |           |
| CONTRACT ID.   |           |
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| BRIDGE NO.     |           |

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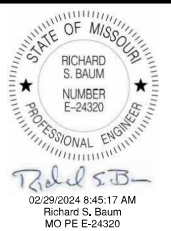
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29-FEB-2024

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|-------|-------|
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| H     | MO    |

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| DISTRICT | SHEET NO. |
| SL       | 22        |

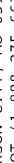
COUNTY  
ST. LOUIS CITY

JOB NO.  
1653278

CONTRACT ID.

PROJECT NO.

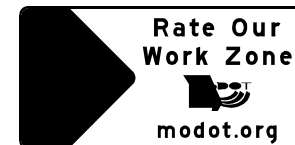
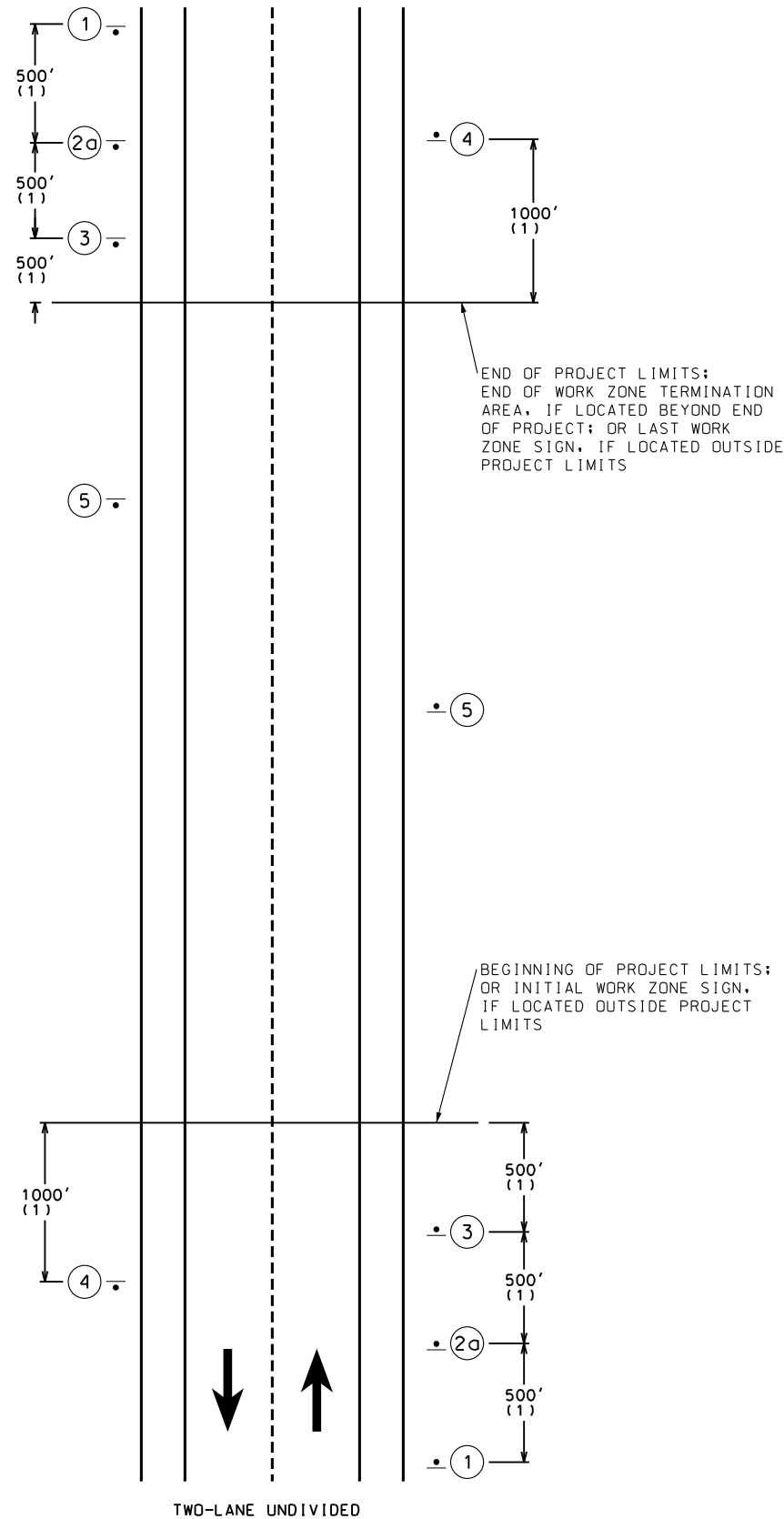
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COMMISSION

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JACOBS ENGINEERING GROUP  
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ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704



CONST-7-72

①

(2)



G020-1

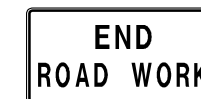
(2a)



CONST-8

③

(6)



G020-:

4



CONST-5-96

5

(3) (5)



CONST-7-48

(2) (4

GENERAL NOTES:

SIGN G020-1 IS REQUIRED FOR ALL PROJECTS WITH TEMPORARY TRAFFIC CONTROL LONGER THAN 2 MILES.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA. ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT LIGHTS OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT LIGHTS OF WAY FOR A EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

NOT TO SCALE

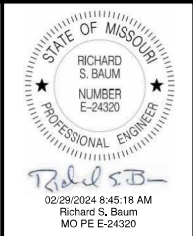
TRAFFIC CONTROL  
SHEET 3 OF 9



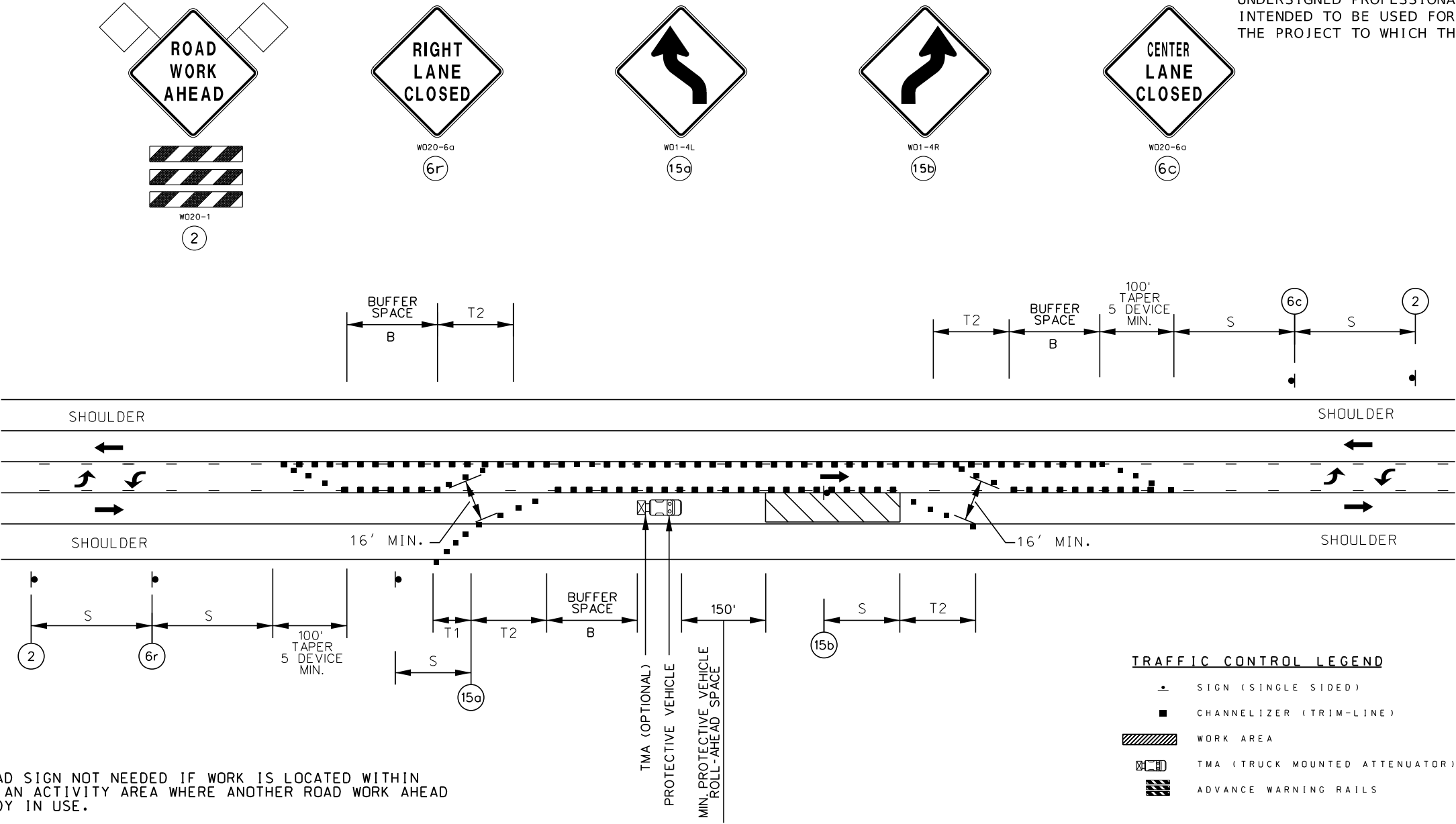


STATIONARY LANE CLOSURE WITH A TWO-WAY LEFT TURN LANE  
(TRAVELED LANE CLOSURE)

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|                              |                 |
|------------------------------|-----------------|
| DATE PREPARED<br>29-FEB-2024 |                 |
| ROUTE<br>H                   | STATE<br>MO     |
| DISTRICT<br>SL               | SHEET NO.<br>24 |
| COUNTY<br>ST. LOUIS CITY     |                 |
| JOB NO.<br>J6S3278           |                 |
| CONTRACT ID.                 |                 |
| PROJECT NO.                  |                 |
| BRIDGE NO.                   |                 |



NOTES:

ROAD WORK AHEAD SIGN NOT NEEDED IF WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY IN USE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN ROAD WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

| SPEED              | SIGN SPACING (ft.) | TAPER LENGTH (ft.) |               | OPTIONAL               | CHANNELIZER SPACING (ft.) |                    |
|--------------------|--------------------|--------------------|---------------|------------------------|---------------------------|--------------------|
| PERM. POSTED (MPH) | UN-DIVIDED (S)     | SHOULDER (1) (T1)  | LANE (2) (T2) | BUFFER LENGTH (ft) (B) | TAPERS                    | BUFFER/ WORK AREAS |
| 0-35               | 200                | 70                 | 245           | 250                    | 35                        | 40                 |
| 40-45              | 350                | 150                | 540           | 360                    | 40                        | 80                 |
| 50-55              | 500                | 185                | 660           | 495                    | 50                        | 80                 |
| 60-70              | 1000               | 235                | 840           | 730                    | 60                        | 120                |

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.  
2. Lane taper length based on 12 ft. (standard lane width) offset.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

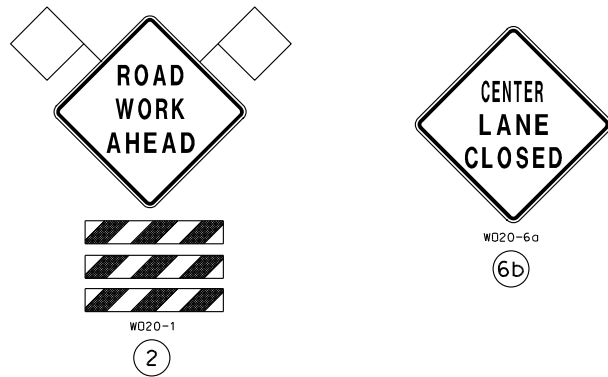
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN ROAD WORK IS NOT IN PROGRESS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

| SPEED                                                                                                                                           | SIGN SPACING (ft.) | TAPER LENGTH (ft.)   |                  | OPTIONAL                     | CHANNELIZER SPACING (ft.) |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|------------------|------------------------------|---------------------------|-----------------------|
| PERM.<br>POSTED<br>(MPH)                                                                                                                        | UN-DIVIDED<br>(S)  | SHOULDER (1)<br>(T1) | LANE (2)<br>(T2) | BUFFER<br>LENGTH (ft)<br>(B) | TAPERS                    | BUFFER/<br>WORK AREAS |
| 0-35                                                                                                                                            | 200                | -                    | -                | 250                          | -                         | 40                    |
| 40-45                                                                                                                                           | 350                | -                    | -                | 360                          | -                         | 80                    |
| 50-55                                                                                                                                           | 500                | -                    | -                | 495                          | -                         | 80                    |
| 60-70                                                                                                                                           | 1000               | -                    | -                | 730                          | -                         | 120                   |
| 1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.<br>2. Lane taper length based on 12 ft. (standard lane width) offset. |                    |                      |                  |                              |                           |                       |

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset.  
2. Lane taper length based on 12 ft. (standard lane width) offset.

TRAFFIC CONTROL  
SHEET 6 OF 9

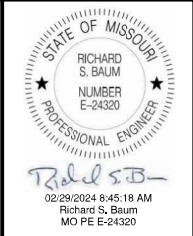
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STATIONARY LANE CLOSURE ON MULTI-LANE HIGHWAY  
(LEFT LANE)

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|------------------------------|-----------------|
| DATE PREPARED<br>29-FEB-2024 |                 |
| ROUTE<br>H                   | STATE<br>MO     |
| DISTRICT<br>SL               | SHEET NO.<br>27 |
| COUNTY<br>ST. LOUIS CITY     |                 |
| JOB NO.<br>J6S3278           |                 |
| CONTRACT ID.                 |                 |
| PROJECT NO.                  |                 |
| BRIDGE NO.                   |                 |

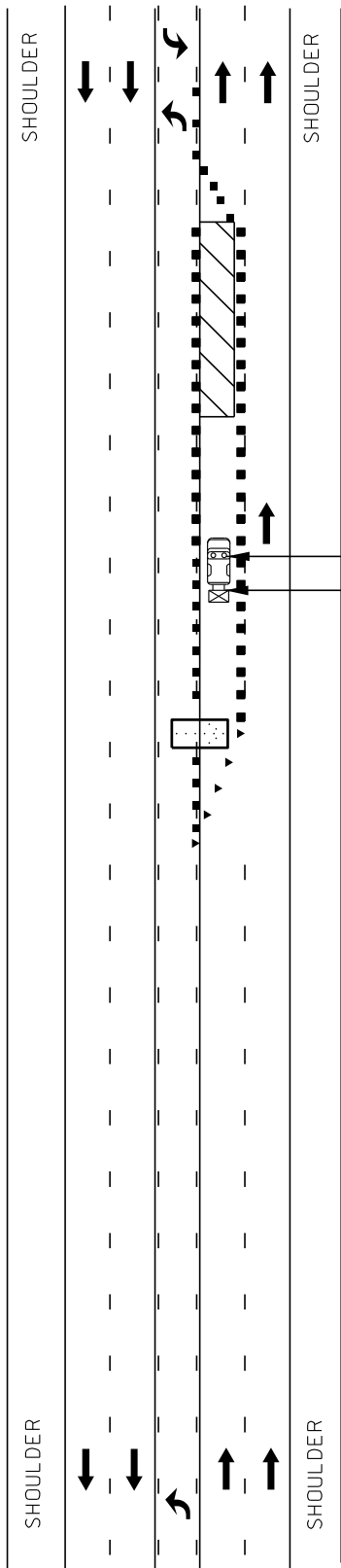
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
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**Jacobs**

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1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

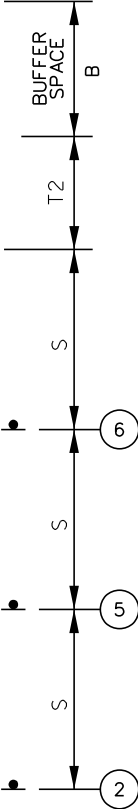


100'  
(3 CHANNELIZERS MIN.)  
(OPTIONAL)

100' TAPER  
5' DEVICE  
MINIMUM

150'  
MIN. PROTECTIVE VEHICLE  
ROLL-AHEAD SPACE

PROTECTIVE VEHICLE  
TMA (OPTIONAL)



- TRAFFIC CONTROL LEGEND
- SIGN (SINGLE SIDED)
  - DIRECTIONAL INDICATOR BARRICADE
  - CHANNELIZER (TRIM-LINE)
  - WORK AREA
  - TMA (TRUCK MOUNTED ATTENUATOR)
  - FLASHING ARROW PANEL
  - ADVANCE WARNING RAILS



- NOTES:
- ROAD WORK AHEAD SIGN NOT NEEDED IF WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY IN USE.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN ROAD WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

| SPEED              | SIGN SPACING (ft.) | TAPER LENGTH (ft.) |               | OPTIONAL               | CHANNELIZER SPACING (ft.) |                   |
|--------------------|--------------------|--------------------|---------------|------------------------|---------------------------|-------------------|
| PERM. POSTED (MPH) | UN-DIVIDED (S)     | SHOULDER (1) (T1)  | LANE (2) (T2) | BUFFER LENGTH (ft) (B) | TAPERS                    | BUFFER/WORK AREAS |
| 0-35               | 200                | 70                 | 245           | 250                    | 35                        | 40                |
| 40-45              | 350                | 150                | 540           | 360                    | 40                        | 80                |
| 50-55              | 500                | 185                | 660           | 495                    | 50                        | 80                |
| 60-70              | 1000               | 235                | 840           | 730                    | 60                        | 120               |

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.  
2. Lane taper length based on 12 ft. (standard lane width) offset.

|                                                                                   |                                |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | WORK VEHICLE                   |
|  | TMA (TRUCK MOUNTED ATTENUATOR) |
|  | FLASHING ARROW PANEL           |
|  | ADVANCE WARNING RAILS          |

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|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>28 |

JOB NO.  
J6S3278  
CONTRACT ID.

BRIDGE NO.

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SHOULDER

SHOULDER

WORK VEHICLE

MIN. PROTECTIVE VEHICLE ROLL-AHEAD SPACE

150'

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR (INCIDENTAL)

MIN. PROTECTIVE VEHICLE ROLL-AHEAD SPACE

150'

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR (INCIDENTAL)

T2 MINIMUM 1 MILE

LEFT LANE CLOSED

W020-6a

6

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND OPTIONAL TMA (INCIDENTAL)

LEFT LANE CLOSED AHEAD

W020-5

5

SLOW VEHICLES

| ( MPH ) | SPACING<br>( T2 ) |
|---------|-------------------|
| 0-35    | 245               |
| 40-45   | 540               |
| 50-55   | 660               |
| 60-70   | 840               |

SHOULDER

SHOULDER

WORK VEHICLE

MIN. PROTECTIVE VEHICLE ROLL-AHEAD SPACE

150'

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR (INCIDENTAL)

MIN. PROTECTIVE VEHICLE ROLL-AHEAD SPACE

150'

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR (INCIDENTAL)

T2

RIGHT LANE CLOSED

W020-6a

6

PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND OPTIONAL TMA (INCIDENTAL)

RIGHT LANE CLOSED AHEAD

W020-5

5

SLOW VEHICLES

| SPEED                    | SPACING LENGTH (ft.) |
|--------------------------|----------------------|
| PERM.<br>POSTED<br>(MPH) | SPACING<br>(T2)      |
| 0-35                     | 245                  |
| 40-45                    | 540                  |
| 50-55                    | 660                  |
| 60-70                    | 840                  |

TRAFFIC CONTROL  
SHEET 9 OF 9

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED:

NOTES:

- EXIST. TRAFFIC SIGNAL BACKPLATES FOR TRAFFIC SIGNAL HEAD #'S 21, 22, 40, 41 & 61 SHALL BE REMOVED AND REPLACED WITH A RETROREFLECTIVE BACKPLATE.
- EXIST. TRAFFIC SIGNAL HEAD #'S 10 & 50 SHALL BE REMOVED & REPLACED WITH NEW TRAFFIC SIGNAL HEADS AS NOTED ON PLANS.
- EXIST. 32' TRAFFIC SIGNAL ARM ON POST #4 SHALL BE REMOVED AND REPLACED WITH 35' ARM. EXIST. CABLES SHALL BE PULLED BACK TO POST AND RUN BACK TO TRAFFIC SIGNAL HEADS.
- EXIST. TRAFFIC SIGNAL HEAD #'S 21, 22, 61 & 62 SHALL BE RELOCATED AS SHOWN ON PLANS. THE RELOCATED LOCATION FOR TRAFFIC SIGNAL HEAD #'S 61 & 62 ARE SHOWN AS PROPOSED FOR CLARITY.
- THE EXIST. ADALAIDE AVE STREET SIGN SHALL BE REMOVED AND RELOCATED TO THE NEW SIGNAL ARM. THE COST TO RELOCATE THE SIGN SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW TRAFFIC SIGNAL ARM.
- REMOVE EXISTING RADAR (WAVETRONICS SYSTEM).
- REMOVE AND REPLACE EXISTING VIDEO DETECTION SYSTEM.
- EXIST. ETHERNET SWITCH IN EXIST. CONTROLLER CABINET SHALL BE USED IN PLACE.
- SEE TRAFFIC SIGNAL SPECIAL SHEET FOR VIDEO DETECTION MOUNTING DETAIL.

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Richard S. Baum  
02/29/2024 8:45:19 AM  
Richard S. Baum  
MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 29

COUNTY ST. LOUIS CITY

JOB NO. J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

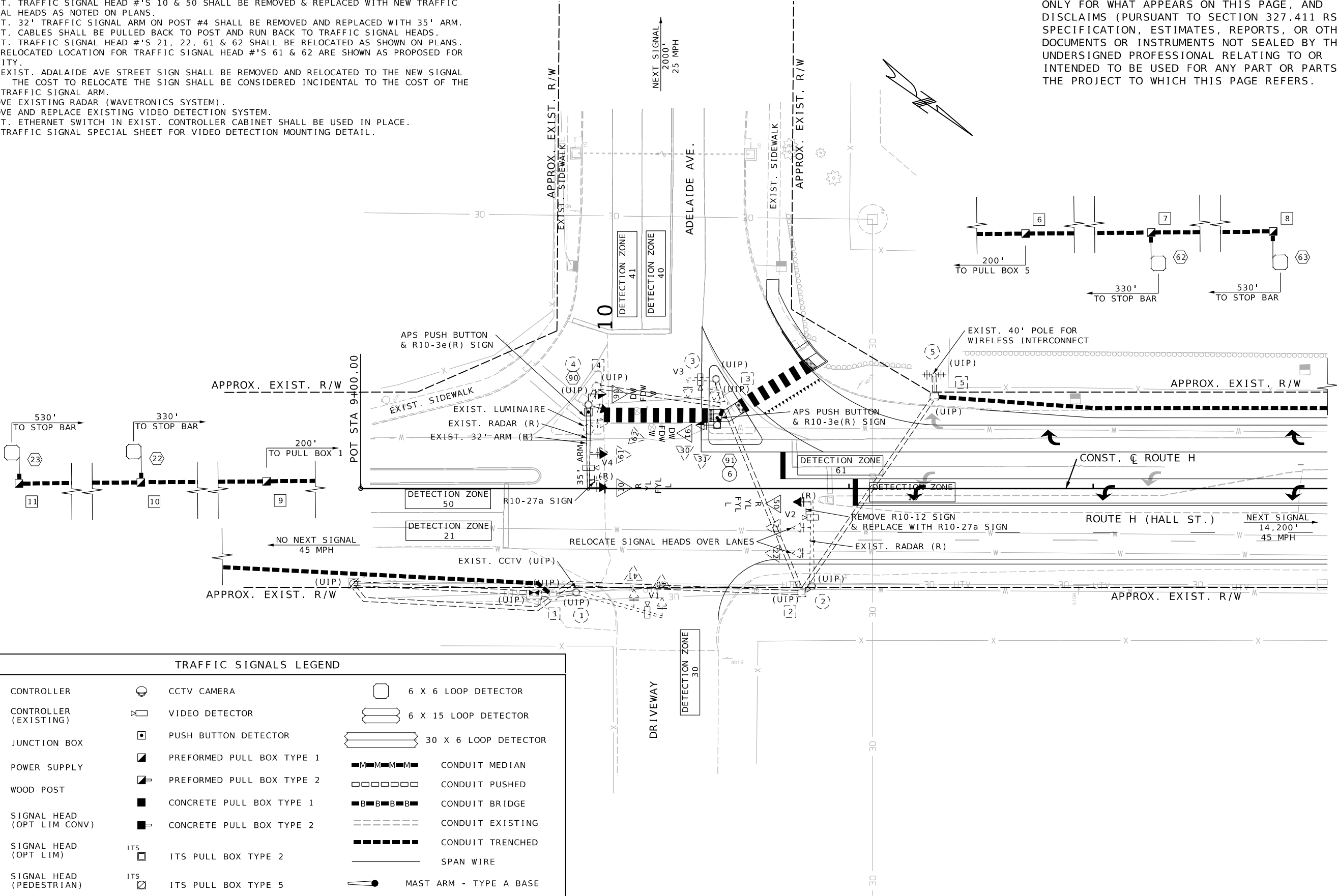
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JEFFERSON CITY, MO 65102  
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JACOBS ENGINEERING GROUP  
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ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

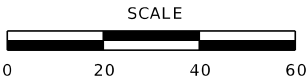
JACOBS

TRAFFIC SIGNAL PLAN  
RTE. H & ADELAIDE AVE.  
SHEET 1 OF 14



TRAFFIC SIGNALS LEGEND

- |  |                            |  |                           |  |                      |
|--|----------------------------|--|---------------------------|--|----------------------|
|  | CONTROLLER                 |  | CCTV CAMERA               |  | 6 X 6 LOOP DETECTOR  |
|  | CONTROLLER (EXISTING)      |  | VIDEO DETECTOR            |  | 6 X 15 LOOP DETECTOR |
|  | JUNCTION BOX               |  | PUSH BUTTON DETECTOR      |  | 30 X 6 LOOP DETECTOR |
|  | POWER SUPPLY               |  | PREFORMED PULL BOX TYPE 1 |  | CONDUIT MEDIAN       |
|  | WOOD POST                  |  | PREFORMED PULL BOX TYPE 2 |  | CONDUIT PUSHED       |
|  | SIGNAL HEAD (OPT LIM CONV) |  | CONCRETE PULL BOX TYPE 1  |  | CONDUIT BRIDGE       |
|  | SIGNAL HEAD (OPT LIM)      |  | CONCRETE PULL BOX TYPE 2  |  | CONDUIT EXISTING     |
|  | SIGNAL HEAD (PEDESTRIAN)   |  | ITS PULL BOX TYPE 2       |  | CONDUIT TRENCHED     |
|  | SIGNAL HEAD (STANDARD)     |  | ITS PULL BOX TYPE 5       |  | SPAN WIRE            |
|  |                            |  | MAST ARM - TYPE A BASE    |  |                      |
|  |                            |  | MAST ARM - TYPE C BASE    |  |                      |
|  |                            |  | MAST ARM - TYPE F BASE    |  |                      |



TRAFFIC SIGNAL PLAN  
RTE. H & ADELAIDE AVE.  
SHEET 1 OF 14

[illegible][illegible]

|          |  |  |  |  |  |
|----------|--|--|--|--|--|
|          |  |  |  |  |  |
|          |  |  |  |  |  |
| SUBTOTAL |  |  |  |  |  |
| TOTAL    |  |  |  |  |  |

| SPAN WIRE CABLE SPANS |           |         |                                      |                                           |
|-----------------------|-----------|---------|--------------------------------------|-------------------------------------------|
| SPAN NUMBER           | FROM POST | TO POST | SINGLE MESSENGER ASSEMBLY (LIN. FT.) | MESSENGER ASSEMBLY WITH TETHER (LIN. FT.) |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
|                       |           |         |                                      |                                           |
| SUBTOTAL              |           |         |                                      |                                           |
| TOTAL                 |           |         |                                      |                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>REMARKS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p>ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.</p> <p>* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.</p> <p>** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.</p> <p>*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.</p> <p>SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.</p> |

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ROUTE H & ADELAIDE AVE.  
INTERSECTION

LEGEND

T - TOP MOUNT  
S - SIDE MOUNT  
C - SPANWIRE MOUNT  
B - MAST ARM MOUNT

TRAFFIC SIGNAL PLAN  
SHEET 2 OF 14

D-37A

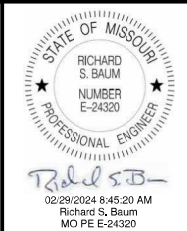
**Jacobs.**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

\* CABLE INCLUDED IN COST OF VIDEO DETECTION SYSTEM

DISCLAIMER

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EFFECTIVE: 10-01-2015



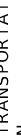
DATE PREPARED  
29-FEB-2024

|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>31 |

|                |
|----------------|
| COUNTY         |
| ST. LOUIS CITY |
| JOB NO.        |
| J6S3278        |
| CONTRACT ID.   |

|             |
|-------------|
| PROJECT NO. |
|-------------|

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

**Jacobs.**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

[illegible][illegible]



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BRIDGE NO.

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

WATTS AND  
COMMISSION

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

## CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

# NEMA DETECTOR ASSIGNMENT

CARD POSITION

TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = 2 (2)

| DETECTOR SCHEDULE  |               |                                             |                    |                    |                |          |
|--------------------|---------------|---------------------------------------------|--------------------|--------------------|----------------|----------|
| DETECTOR<br>NUMBER | APPROACH      | TYPE                                        |                    |                    |                | VIDEO    |
|                    |               | AUDIBLE<br>PEDESTRIAN<br>PUSH BUTTON<br>(3) | INDUCTION LOOP (2) |                    |                |          |
|                    |               |                                             | STANDARD           | DELAY/<br>EXTEND * | CALL<br>UNIT * |          |
| 90                 | SB/ROUTE H    | 1                                           |                    |                    |                |          |
| 91                 | NB/ROUTE H    | 1                                           |                    |                    |                |          |
| 22, 62             | ROUTE H       |                                             |                    | 1                  |                |          |
| 23, 63             | ROUTE H       |                                             |                    | 1                  |                |          |
| V1 (ZONES 40, 41)  | ADELAIDE AVE. |                                             |                    |                    |                | 1 CAMERA |
| V2 (ZONES 21, 50)  | ROUTE H       |                                             |                    |                    |                | 1 CAMERA |
| V3 (ZONE 30)       | DRIVEWAY      |                                             |                    |                    |                | 1 CAMERA |
| V4 (ZONES 10, 61)  | ROUTE H       |                                             |                    |                    |                | 1 CAMERA |
|                    |               |                                             |                    |                    |                |          |
|                    |               |                                             |                    |                    |                |          |
|                    |               |                                             |                    |                    |                |          |
|                    |               |                                             |                    |                    |                |          |
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|                    |               |                                             |                    |                    |                |          |
|                    |               |                                             |                    |                    |                |          |
|                    |               |                                             |                    |                    |                |          |
| TOTAL              |               | 2                                           |                    | 2                  |                |          |

\*\*\* USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

- (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.
- (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.
- (3) PEDESTRIAN SIGNS INCLUDED IN PAY ITEM FOR AUDIBLE PEDESTRIAN PUSH BUTTON.
- (4) EXISTING CONTROLLER CABINET SHALL BE REUSED. EXISTING INTERNAL CONTROLLER HARDWARE SHALL BE REMOVED.
- (5) WIRE OVERLAP CHANNELS FOR FUTURE USE.

SL DISTRICT TRAFFIC SIGNAL  
DETECTION SYSTEM = 1

| NEMA LOAD SWITCH ASSIGNMENTS <sup>(5)</sup> |            |            |            |            |            |             |             |                 |             |                                   |             |
|---------------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|-----------------|-------------|-----------------------------------|-------------|
| 1                                           | 2          | 3          | 4          | 5          | 6          | 7           | 8           | 9               | 10          | 11                                | 12          |
| OLA<br>FYA                                  | PHASE<br>2 | PHASE<br>3 | PHASE<br>4 | OLC<br>FYA | PHASE<br>6 | NOT<br>USED | NOT<br>USED | PHASE<br>1 LEFT | NOT<br>USED | PHASE<br>6 PED<br>PHASE<br>5 LEFT | NOT<br>USED |

[illegible]

TRAFFIC SIGNAL PLAN  
SHEET 4 OF 14

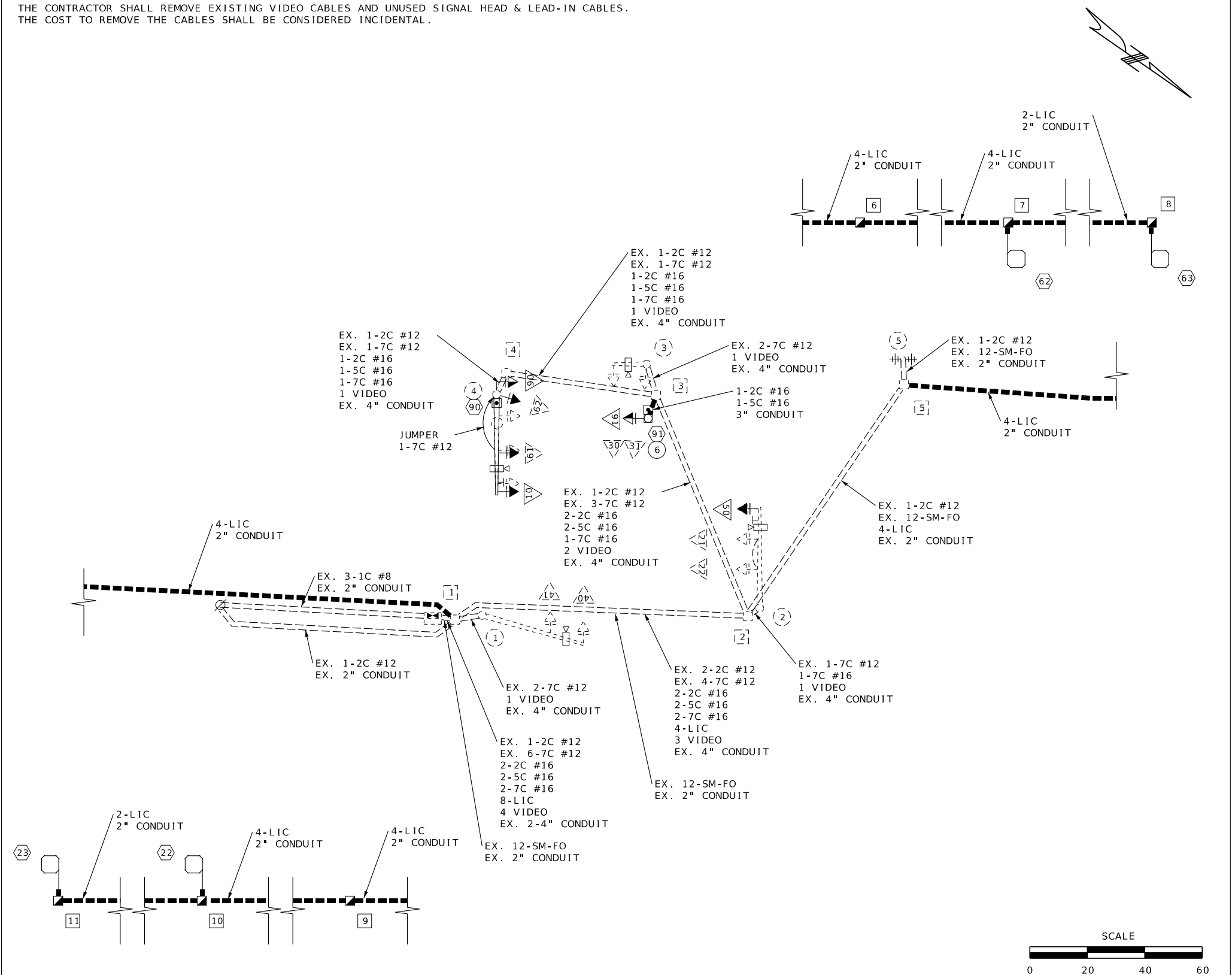
ROUTE H & ADELAIDE AVE.

## INTERSECTION

D-37C

## WIRING DIAGRAM

NOTE:  
THE CONTRACTOR SHALL REMOVE EXISTING VIDEO CABLES AND UNUSED SIGNAL HEAD & LEAD-IN CABLES.  
THE COST TO REMOVE THE CABLES SHALL BE CONSIDERED INCIDENTAL.



DISCLAIMER

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## LEGEND

|                                                                                       |                                                            |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>3" CONDUIT CONTAINING CABLE WITH SIZE</b>                                          |                                                            |
| <hr/>                                                                                 |                                                            |
|                                                                                       | <b>CABLE</b>                                               |
| <b>X-XC</b>                                                                           | MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED) |
| <b>L IC</b>                                                                           | #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)       |
|    | PULL BOX WITH NUMBER                                       |
|    | POST WITH NUMBER                                           |
|    | POST WITH MAST ARM                                         |
|    | POST WITH MAST ARM AND LUMINAIRE                           |
|    | DETECTOR WITH NUMBER                                       |
|   | SIGNAL HEAD WITH NUMBER                                    |
|  | SIGNAL CONTROLLER                                          |
|  | POWER SUPPLY                                               |
|  | LIGHTING CONTROLLER                                        |



02/29/2024 8:45:20 AM  
Richard S. Baum  
MO PE E-24320

DATE PREPARED  
29-FEB-2024

|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>33 |

COUNTY  
ST. LOUIS CITY

JOB NO.  
J6S3278

|              |
|--------------|
| CONTRACT ID. |
|--------------|

|             |
|-------------|
| PROJECT NO. |
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|            |
|------------|
| BRIDGE NO. |
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EFFECTIVE: 07-01-2018



Tidal S.B.-

Richard S. Baum  
MO PE E-24320

DATE PREPARED \_\_\_\_\_

DATE PREPARED  
22 FEB 2024

29-FEB-2024

| ROUTE | STATE |
|-------|-------|
|-------|-------|

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DISTRICT SHEET NO.  
31 36

SL | 36

COUNTY

ST LOUIS CITY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

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PROJECT NO.  
BRIDGE NO.

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T CAPITOL  
MO 65102

105 WEST  
PERSON CITY,

00

**S.**  
GROUP  
W, SUITE 4  
3110  
00

**Job**  
ENGINEERING G  
AZA DRIVE V  
SSOURI 63  
114) 335-4000  
AUTUMN

**jac** CBS ENGINE  
ANDS PLAZ  
T. LOUIS, MI  
PHONE: (313) 462-1000

JACQUES  
1001 HIGHLAND  
S

---

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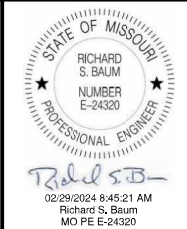


\* CABLE INCLUDED IN COST OF VIDEO DETECTION SYSTEM

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EFFECTIVE: 10-01-2015



DATE PREPARED  
29-FEB-2024

|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>37 |

|                |
|----------------|
| COUNTY         |
| ST. LOUIS CITY |
| JOB NO.        |
| J6S3278        |
| CONTRACT ID.   |

|             |
|-------------|
| PROJECT NO. |
|-------------|

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

**Jacobs.**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

[illegible][illegible]

INTERSECTION ROUTE H & GIMBLIN RD. D-37B

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BRIDGE NO.

MISSOURI DEPARTMENT OF TRANSPORTATION  
COMMISSION

105 WEST CAPITAL  
JEFFERSON CITY, MO 65102

**Jacobs.**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000

[illegible]

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = 2      (2)

(5) POWER SUPPLY SHALL INCLUDE AN UNINTERRUPTED POWER SUPPLY (UPS).

SL DISTRICT TRAFFIC SIGNAL  
DETECTION SYSTEM = 1

## NEMA LOAD SWITCH ASSIGNMENTS (4)

| NEMA LOAD SWITCH ASSIGNMENTS <sup>(4)</sup> |    |          |    |             |    |             |    |     |             |     |             |             |             |             |             |
|---------------------------------------------|----|----------|----|-------------|----|-------------|----|-----|-------------|-----|-------------|-------------|-------------|-------------|-------------|
| 1                                           | 2  | 3        | 4  | 5           | 6  | 7           | 8  | 9   | 10          | 11  | 12          | 13          | 14          | 15          | 16          |
| SB<br>LT                                    | NB | WB<br>LT | EB | NOT<br>USED | SB | NOT<br>USED | WB | OLA | NOT<br>USED | OLC | NOT<br>USED | NOT<br>USED | NOT<br>USED | NOT<br>USED | NOT<br>USED |

## INTERSECTION

D-37C



| SIGNAL FACE LOCATION |    |    |    |    |
|----------------------|----|----|----|----|
| 62                   | 31 | 30 | 81 | 82 |
| 61                   |    |    |    |    |
| 10                   |    |    |    | 50 |
|                      |    |    |    | 21 |
|                      |    |    |    | 22 |
| 43                   | 42 | 41 | 44 | 23 |

[illegible][illegible]

|     |                      |  |
|-----|----------------------|--|
|     | FACE NUMBERS         |  |
| R   | SIGNAL INDICATIONS   |  |
| Y   |                      |  |
| FYA |                      |  |
| G   |                      |  |
|     | DETECTOR ASSIGNMENTS |  |

|                         |                 |
|-------------------------|-----------------|
| FACE<br>NUMBERS         |                 |
| SIGNAL<br>INDICATIONS   | FACE<br>NUMBERS |
| DETECTOR<br>ASSIGNMENTS |                 |

| PHASE 1                                                                             | PHASE 2                                                                             | PHASE 3                                                                             | PHASE 4                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| NOT USED                                                                            |  | NOT USED                                                                            |  |
| PHASE 5                                                                             | PHASE 6                                                                             | PHASE 7                                                                             | PHASE 8                                                                             |

└ BARRIER

- ▶ ACTUATED VEHICULAR MOVEMENT
- ▶ PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- ▷ NON-ACTUATED VEHICULAR MOVEMENT
- ▷ PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ▶ ACTUATED PEDESTRIAN MOVEMENT
- ▷ NON-ACTUATED PEDESTRIAN MOVEMENT
- + VEHICLE STOPPED

FDW—FLASHING DON'T WALK  
W—WALK  
DW—DON'T WALK  
R/W—RIGHT OF WAY INTERVAL  
YRt—YELLOW RIGHT ARROW  
YRT.—GREEN RIGHT ARROW  
Y—YL—YELLOW LEFT ARROW  
L—GREEN LEFT ARROW  
S—GREEN STRAIGHT AHEAD ARROW  
G—CIRCULAR GREEN  
Y—CIRCULAR YELLOW  
R—CIRCULAR RED  
RL—RED LEFT ARROW  
Ø—TRAFFIC PHASE  
AO—ALL OTHERS  
FR—FLASHING RED  
FY—FLASHING CIRCULAR YELLOW  
FYL—FLASHING YELLOW LEFT ARROW

|                                  |      |              |
|----------------------------------|------|--------------|
| TRAFFIC SIGNAL CONTROL OPERATION |      |              |
| INTERSECTION OF                  |      |              |
| ROUTE H                          | WITH | GIMBLIN AVE. |

D-38A

1. EXIST. SIGNAL HEAD # 62 SHALL BE RELOCATED AS SHOWN ON PLANS. THE RELOCATED LOCATION IS SHOWN AS PROPOSED FOR CLARITY.

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

*Richard S. Baum*

02/29/2024 8:45:23 AM

Richard S. Baum

MO PE E-24320

|                |                 |
|----------------|-----------------|
| ROUTE<br>H     | STATE<br>MO     |
| DISTRICT<br>SL | SHEET NO.<br>41 |

JOB NO.  
J6S3278

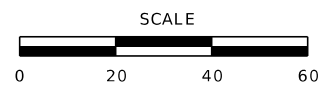
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

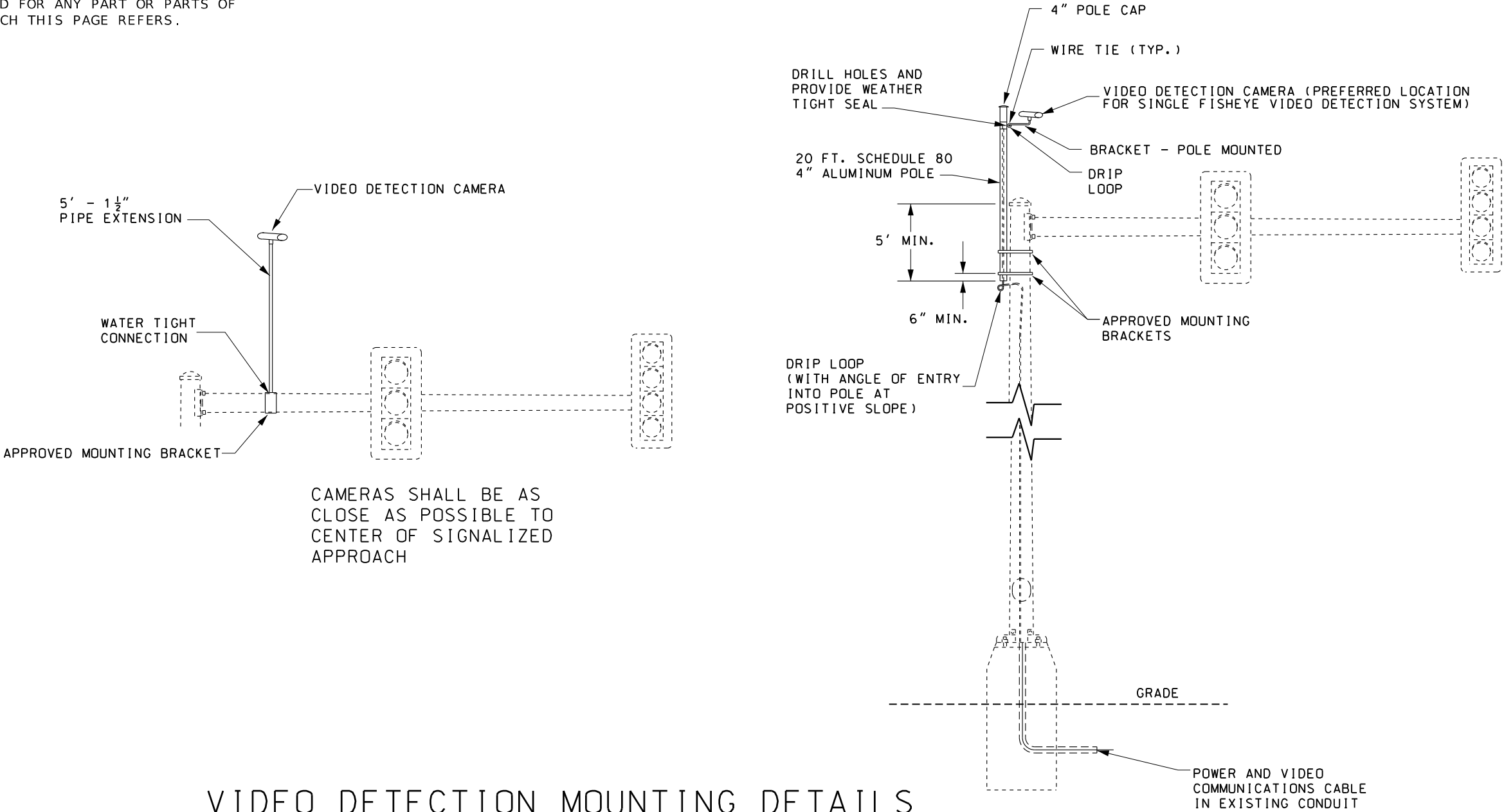
**Jacobs.**  
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W. SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704



TRAFFIC SIGNAL PLAN  
RTE. H & RIVERVIEW DR.  
SHEET 13 OF 14



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VIDEO DETECTION MOUNTING DETAILS

GENERAL NOTES:

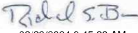
- 1) PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.
- 2) CAMERAS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 3) NO CAMERA SHALL BE INSTALLED ON PEDESTALS UNLESS DIRECTED BY THE ENGINEER.
- 4) NO CAMERA SHALL BE INSTALLED ON 15' LUMINAIRE ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER



02/29/2024 8:45:23 AM  
Richard S. Baum  
MO PE E-24320

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

42

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

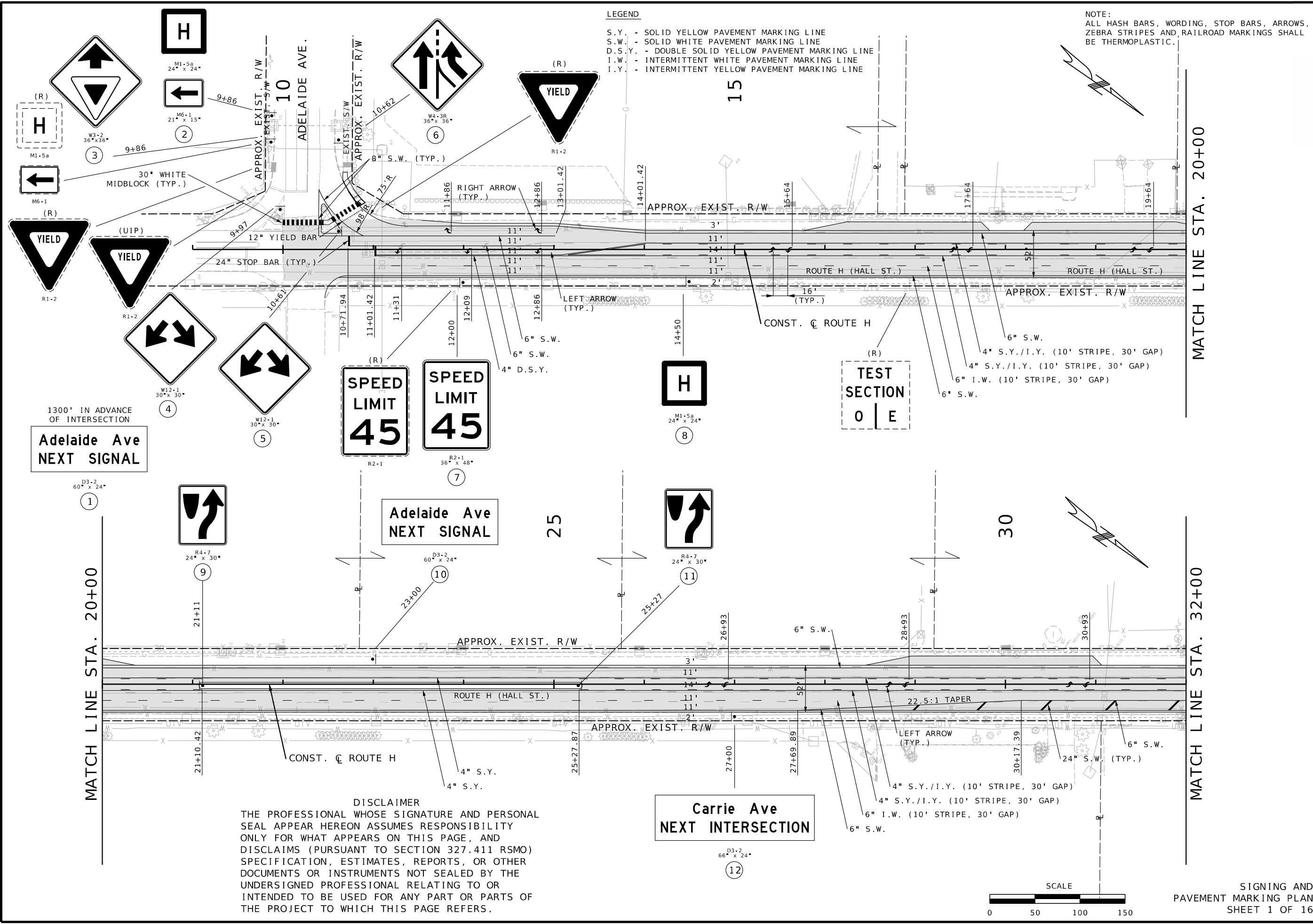


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

- LEGEND
- S.Y. - SOLID YELLOW PAVEMENT MARKING LINE
  - S.W. - SOLID WHITE PAVEMENT MARKING LINE
  - D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE
  - I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE
  - I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

43

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

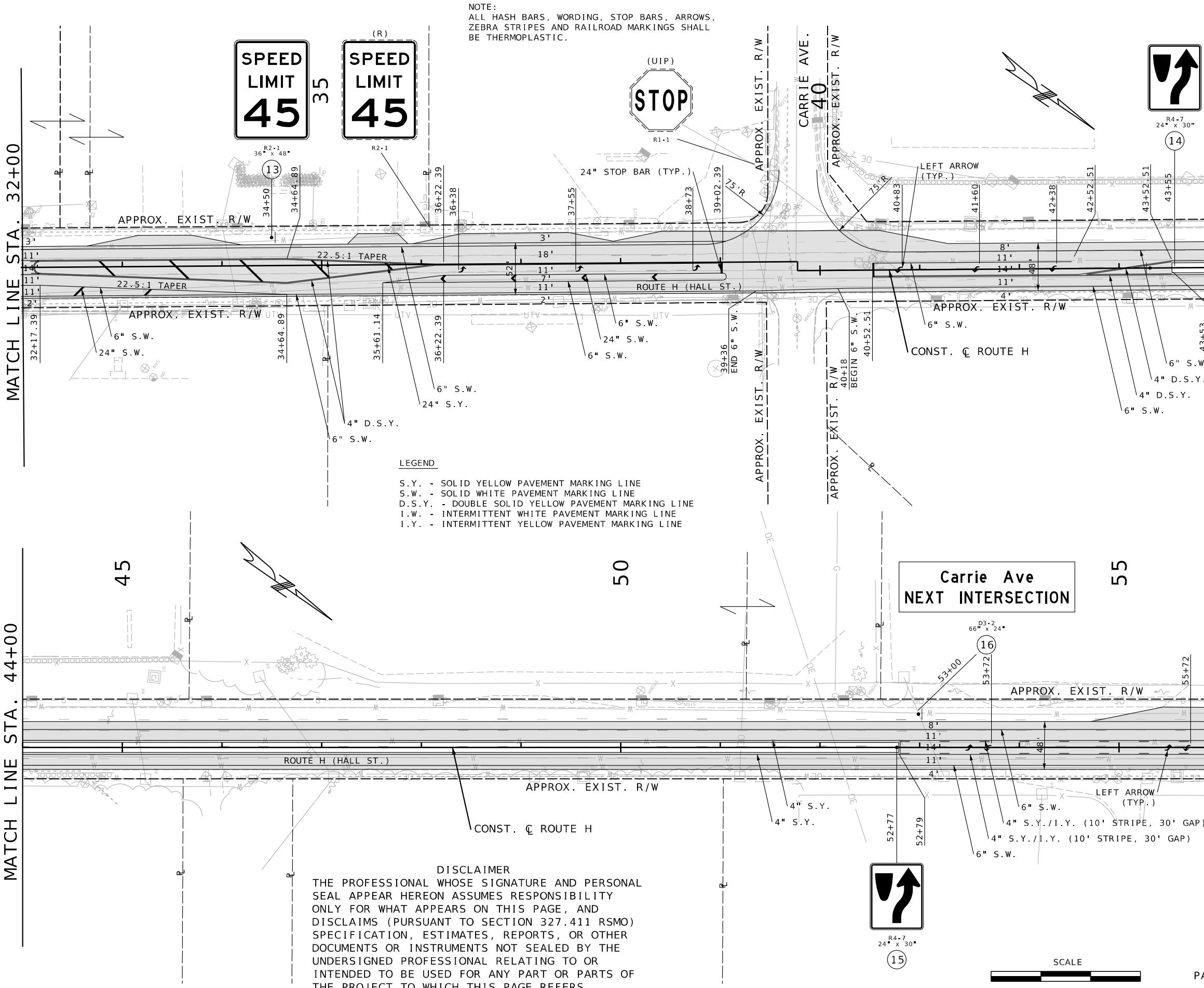
SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 1 OF 16

MATCH LINE STA. 32+00

MATCH LINE STA. 44+00

MATCH LINE STA. 44+00

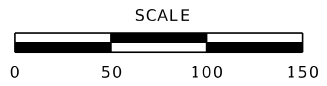
MATCH LINE STA. 56+00



NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

- LEGEND
- S.Y. - SOLID YELLOW PAVEMENT MARKING LINE
  - S.W. - SOLID WHITE PAVEMENT MARKING LINE
  - D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE
  - I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE
  - I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE

DISCLAIMER  
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UNDERSIGNED PROFESSIONAL RELATING TO OR  
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THE PROJECT TO WHICH THIS PAGE REFERS.



SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 2 OF 16

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

44

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

LEGEND

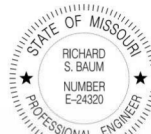
S.Y. - SOLID YELLOW PAVEMENT MARKING LINE  
S.W. - SOLID WHITE PAVEMENT MARKING LINE  
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE  
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE  
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE

MATCH LINE STA. 56+00

MATCH LINE STA. 68+00

MATCH LINE STA. 68+00

MATCH LINE STA. 80+00



DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 45

COUNTY ST. LOUIS CITY

JOB NO. J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

| DATE | DESCRIPTION |
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



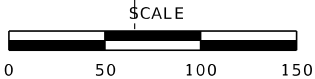
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

Jacobs

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
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SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 3 OF 16



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

LEGEND

S.Y. - SOLID YELLOW PAVEMENT MARKING LINE  
S.W. - SOLID WHITE PAVEMENT MARKING LINE  
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE  
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE  
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE

MATCH LINE STA. 80+00

MATCH LINE STA. 92+00

AURORA AVE.

APPROX. EXIST. R/W

APPROX. EXIST. R/W



APPROX. EXIST. R/W

BNSF RAILROAD TRACKS  
82+96  
END 6" S.W.

BNSF RAILROAD TRACKS

APPROX. EXIST. R/W

APPROX. EXIST. R/W

HUMBOLDT AVE.

HUMBOLDT AVE.

APPROX. EXIST. R/W

APPROX. EXIST. R/W



83+85  
BEGIN 6" S.W.

83+94

84+29

84+42

84+44

85

CONST.  $\phi$  ROUTE H

LEFT ARROW  
(TYP.)



APPROX. EXIST. R/W

APPROX. EXIST. R/W

CALVARY AVE.

APPROX. EXIST. R/W

APPROX. EXIST. R/W

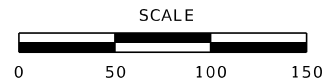
APPROX. EXIST. R/W

6" S.W.

4" S.Y./I.Y. (10' STRIPE, 30' GAP)

4" S.Y./I.Y. (10' STRIPE, 30' GAP)

6" S.W.



SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 4 OF 16

MATCH LINE STA. 104+00

MATCH LINE STA. 92+00

MATCH LINE STA. 92+00

**Jacobs**

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

DESCRIPTION

DATE

BRIDGE NO.

PROJECT NO.

CONTRACT ID.

JOB NO.

ST. LOUIS CITY

DISTRICT

ROUTE

STATE

DATE PREPARED

29-FEB-2024

20

46

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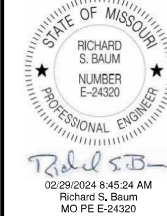
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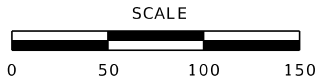
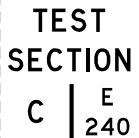
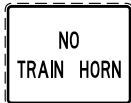
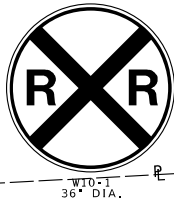
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

LEGEND

S.Y. - SOLID YELLOW PAVEMENT MARKING LINE  
S.W. - SOLID WHITE PAVEMENT MARKING LINE  
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE  
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE  
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE



SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 5 OF 16

**Jacobs**

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

DESCRIPTION

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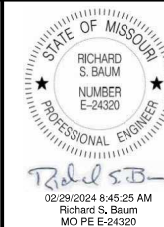
DATE

DATE

NOTE:  
ALL HASH BARS, WORDING, STOP BARS, ARROWS,  
ZEBRA STRIPES AND RAILROAD MARKINGS SHALL  
BE THERMOPLASTIC.

### LEGEND

S.Y. - SOLID YELLOW PAVEMENT MARKING LINE  
S.W. - SOLID WHITE PAVEMENT MARKING LINE  
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE  
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE  
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE



DATE PREPARED  
29 - FEB - 2024

|       |       |
|-------|-------|
| ROUTE | STATE |
| H     | MO    |

|          |           |
|----------|-----------|
| DISTRICT | SHEET NO. |
| SL       | 48        |

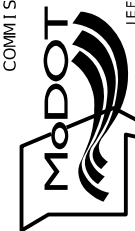
COUNTY  
ST. LOUIS CITY

JOB NO.  
1653278

CONTRACT ID.

|             |
|-------------|
| PROJECT NO. |
|-------------|

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

**Jacobs.**

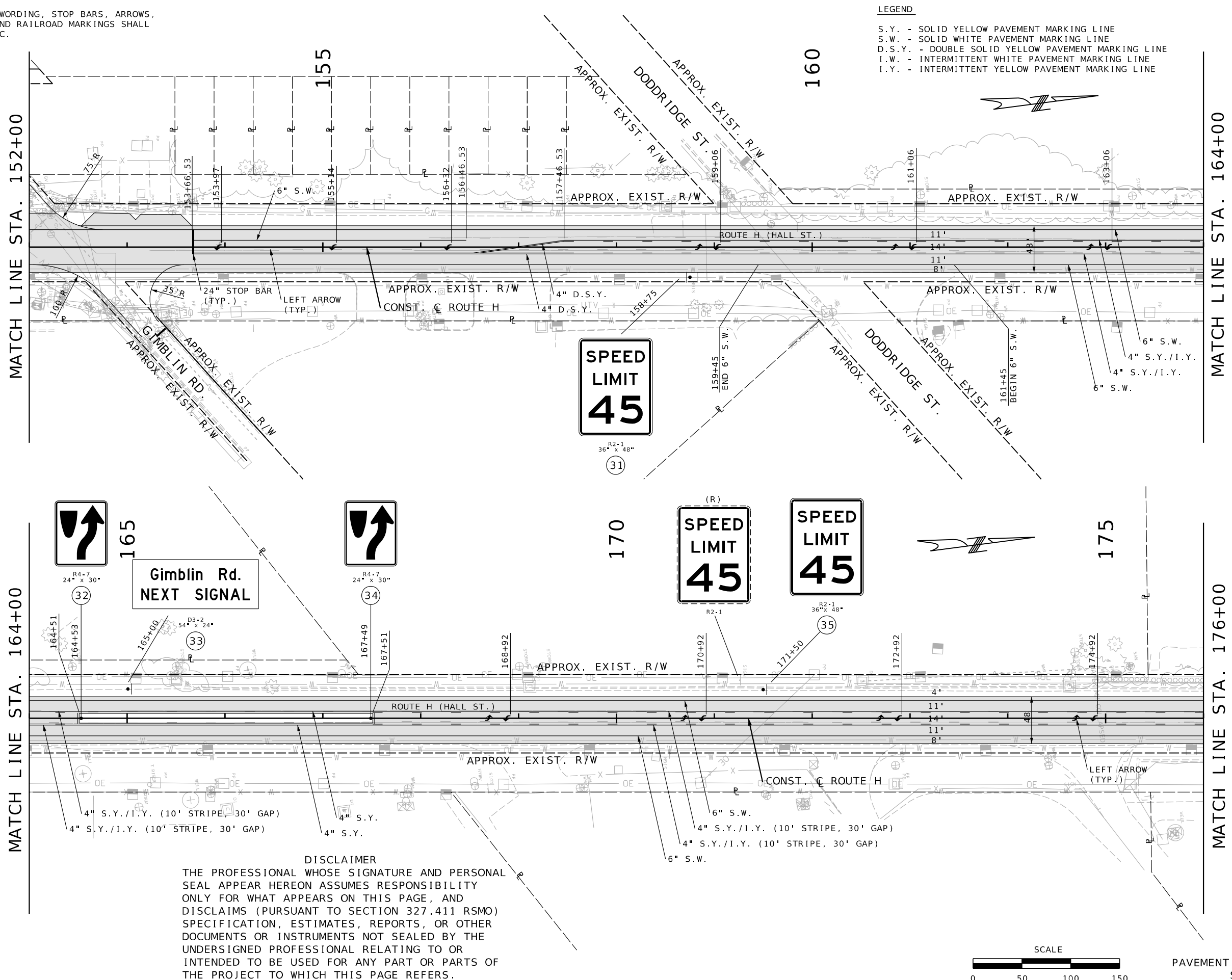
JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 335-4000  
CERTIFICATE OF AUTHORITY #00704

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SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 6 OF 16

NOTE:  
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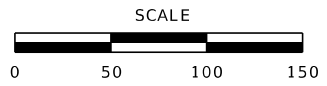


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**LEGEND**

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S.W. - SOLID WHITE PAVEMENT MARKING LINE  
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE  
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE  
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE



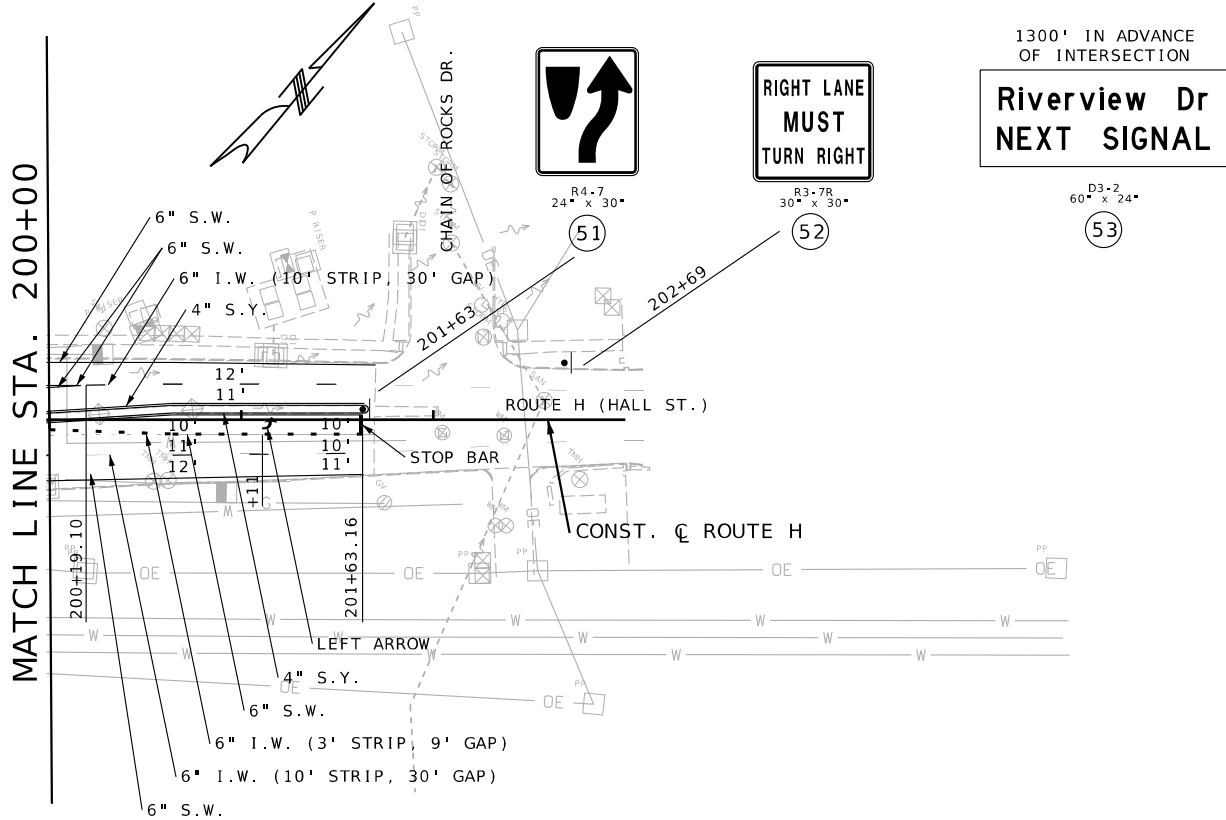
SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 7 OF 16

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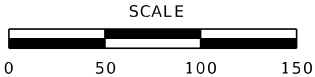
NOTE:  
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LEGEND

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- S.W. - SOLID WHITE PAVEMENT MARKING LINE
- D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE
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SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 9 OF 16

STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

Richard S. Baum

02/29/2024 8:45:25 AM

Richard S. Baum

MO PE E-24320

DATE PREPARED

29-FEB-2024

ROUTE

H

STATE

MO

DISTRICT

SL

SHEET NO.

51

COUNTY

ST. LOUIS CITY

JOB NO.

J6S3278

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

Jacobs

JACOBS ENGINEERING GROUP

1001 HIGHLANDS PLAZA DRIVE W, SUITE 400

ST. LOUIS, MISSOURI 63110

PHONE: (314) 350-0000

CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

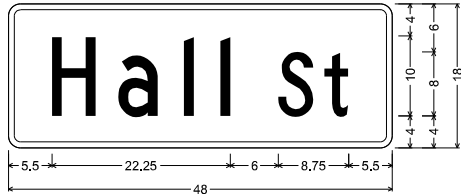


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SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 11 OF 16

[illegible]



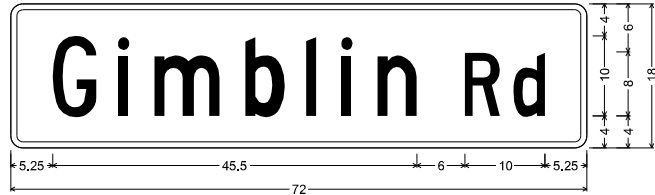


D3-1 SH-FLAT SHEET;  
1.500" Radius, 0.750" Border, White on, Green;  
"Hall", C; "St", C;  
Table of letter and object lefts

| H     | a      | l      | l      | S      | t      |
|-------|--------|--------|--------|--------|--------|
| 5.500 | 13.750 | 21.750 | 26.375 | 33.750 | 39.500 |

|          |         |
|----------|---------|
| SIGN NO. |         |
| STATION  |         |
| ROADWAY  | ROUTE H |

|          |  |
|----------|--|
| SIGN NO. |  |
| STATION  |  |
| ROADWAY  |  |



D3-1 SH-FLAT SHEET;  
1.500" Radius, 0.750" Border, White on, Green;  
"Gimblin", C; "Rd", C;  
Table of letter and object lefts

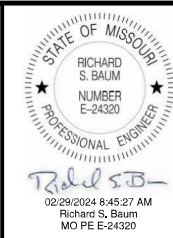
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| SIGN NO. |         |
| STATION  |         |
| ROADWAY  | ROUTE H |

|          |  |
|----------|--|
| SIGN NO. |  |
| STATION  |  |
| ROADWAY  |  |

SIGNING AND  
PAVEMENT MARKING PLAN  
SHEET 13 OF 16

D- 31



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|------------------------------|-----------------|
| DATE PREPARED<br>29-FEB-2024 |                 |
| ROUTE<br>H                   | STATE<br>MO     |
| DISTRICT<br>SL               | SHEET NO.<br>55 |
| COUNTY<br>ST. LOUIS CITY     |                 |
| JOB NO.<br>J6S3278           |                 |
| CONTRACT ID.                 |                 |

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| PROJECT NO. |
| BRIDGE NO.  |

| DESCRIPTION | DATE |
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



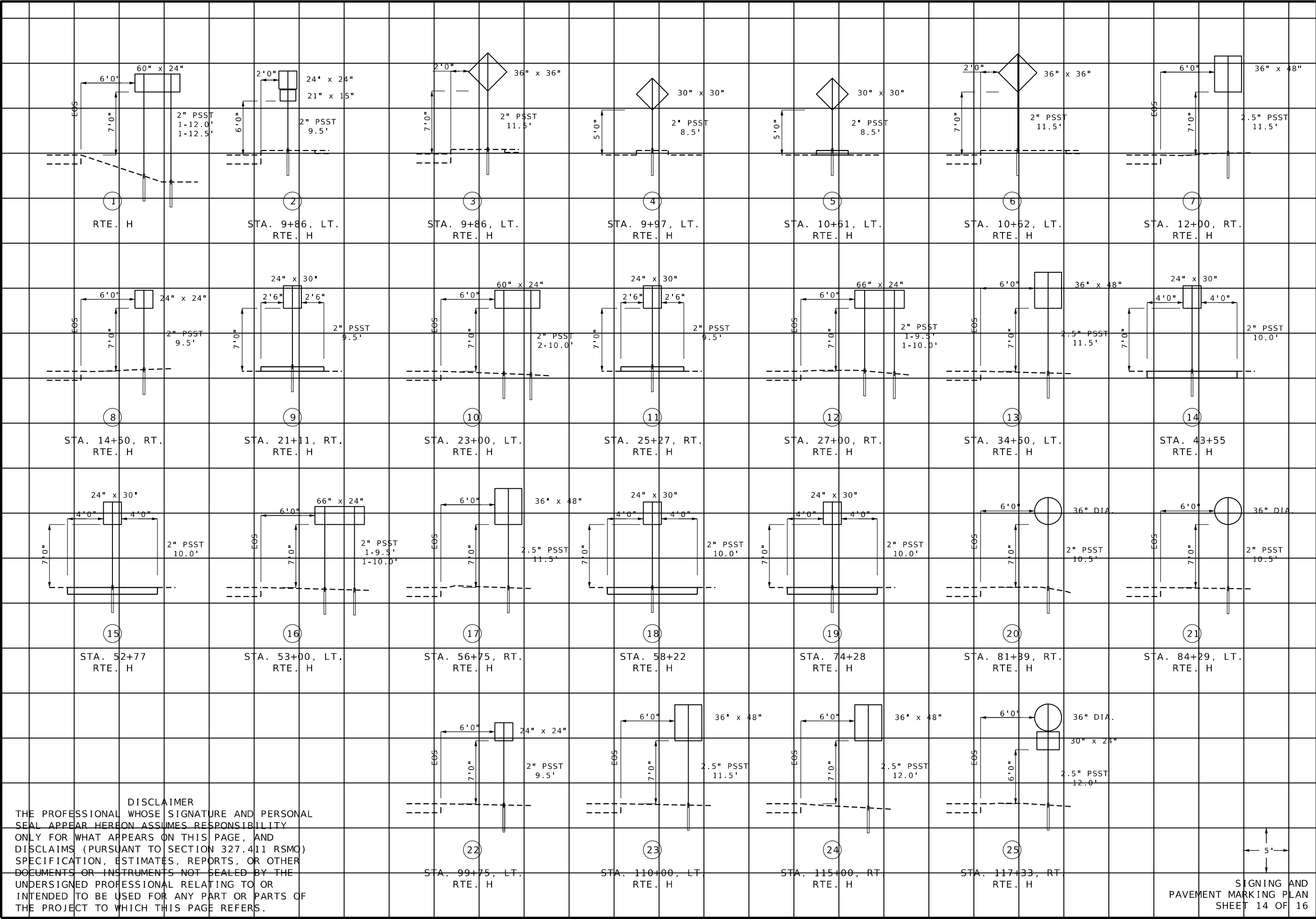
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**Jacobs**

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
FAX: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





DISCLAIMER  
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STATE OF MISSOURI  
RICHARD S. BAUM  
NUMBER E-24320  
PROFESSIONAL ENGINEER  
*Richard S. Baum*  
02/29/2024 8:45:27 AM  
Richard S. Baum  
MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO  
DISTRICT SL SHEET NO. 56  
COUNTY ST. LOUIS CITY  
JOB NO. J6S3278  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

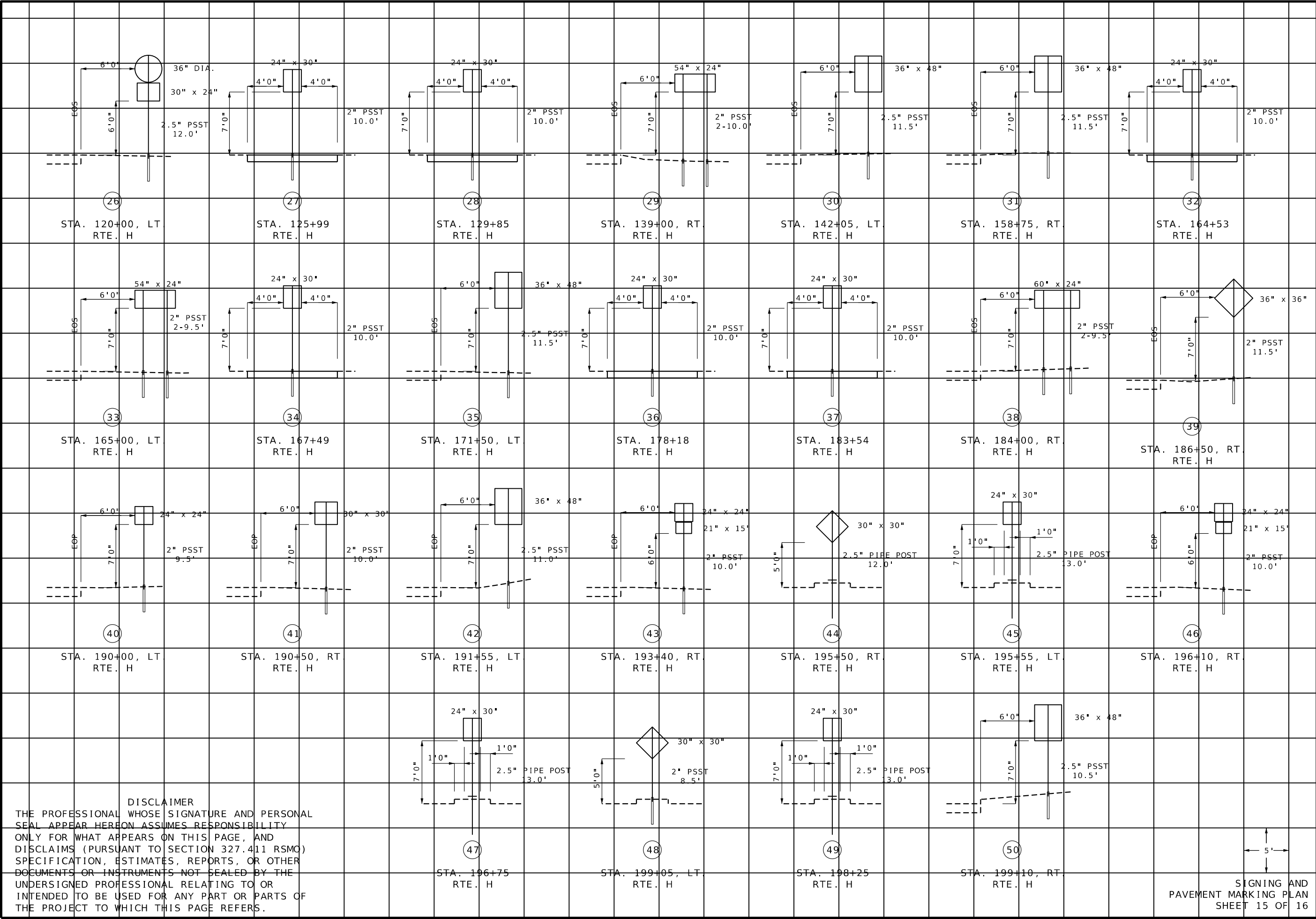
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

SIGNING AND PAVEMENT MARKING PLAN  
SHEET 14 OF 16

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DISCLAIMER  
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STATE OF MISSOURI

RICHARD S. BAUM

NUMBER E-24320

PROFESSIONAL ENGINEER

02/29/2024 8:45:27 AM  
Richard S. Baum  
MO PE E-24320

DATE PREPARED  
29-FEB-2024

ROUTE H STATE MO

DISTRICT SL SHEET NO. 57

COUNTY ST. LOUIS CITY

JOB NO. J6S3278

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)

JACOBS ENGINEERING GROUP  
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400  
ST. LOUIS, MISSOURI 63110  
PHONE: (314) 350-0000  
CERTIFICATE OF AUTHORITY #00704

SIGNING AND PAVEMENT MARKING PLAN  
SHEET 15 OF 16

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

