



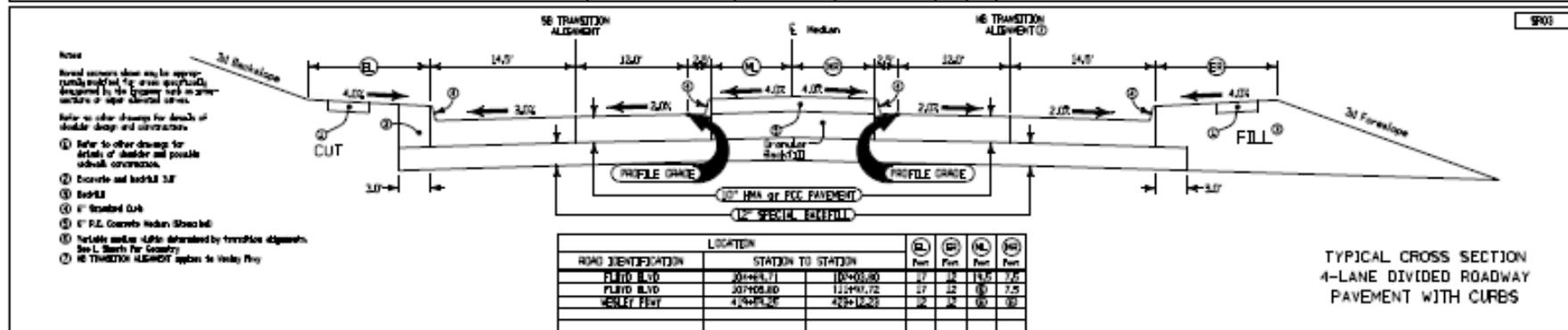
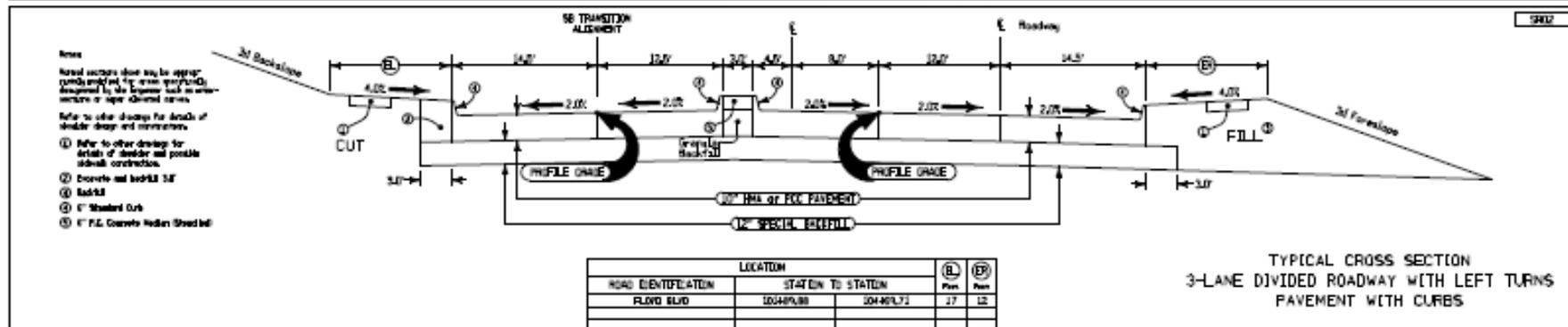
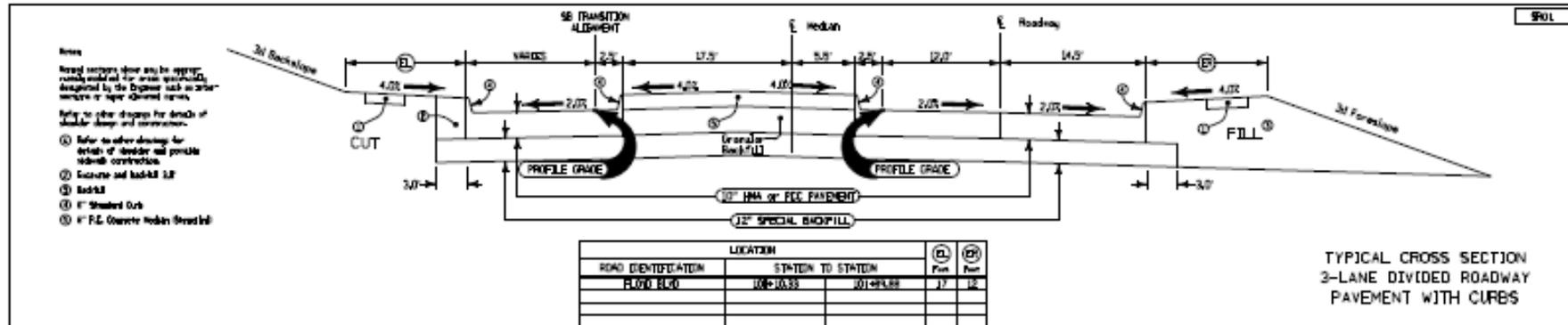
## When is “Typical” not Typical?

Kevin Jackson, Bentley Systems

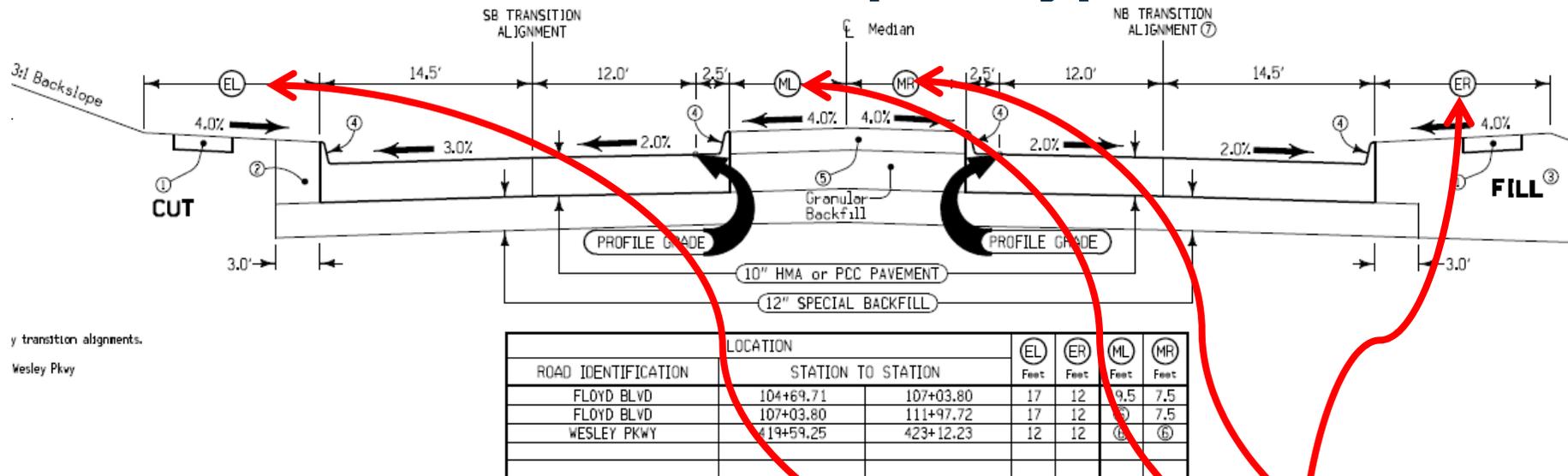
# typical: *adjective*

- being or serving as a representative example of a particular type
- **Synonyms** archetypal (also archetypical), average, characteristic, normal, regular, representative, standard, true
- **Related Words** common, commonplace, conventional, customary, everyday, ordinary, usual, wonted, workaday; classic, textbook, vintage; expected, familiar, habitual, predictable, routine, unexceptional, unremarkable; predominant, preponderant

# “Typical” Roadway Sections

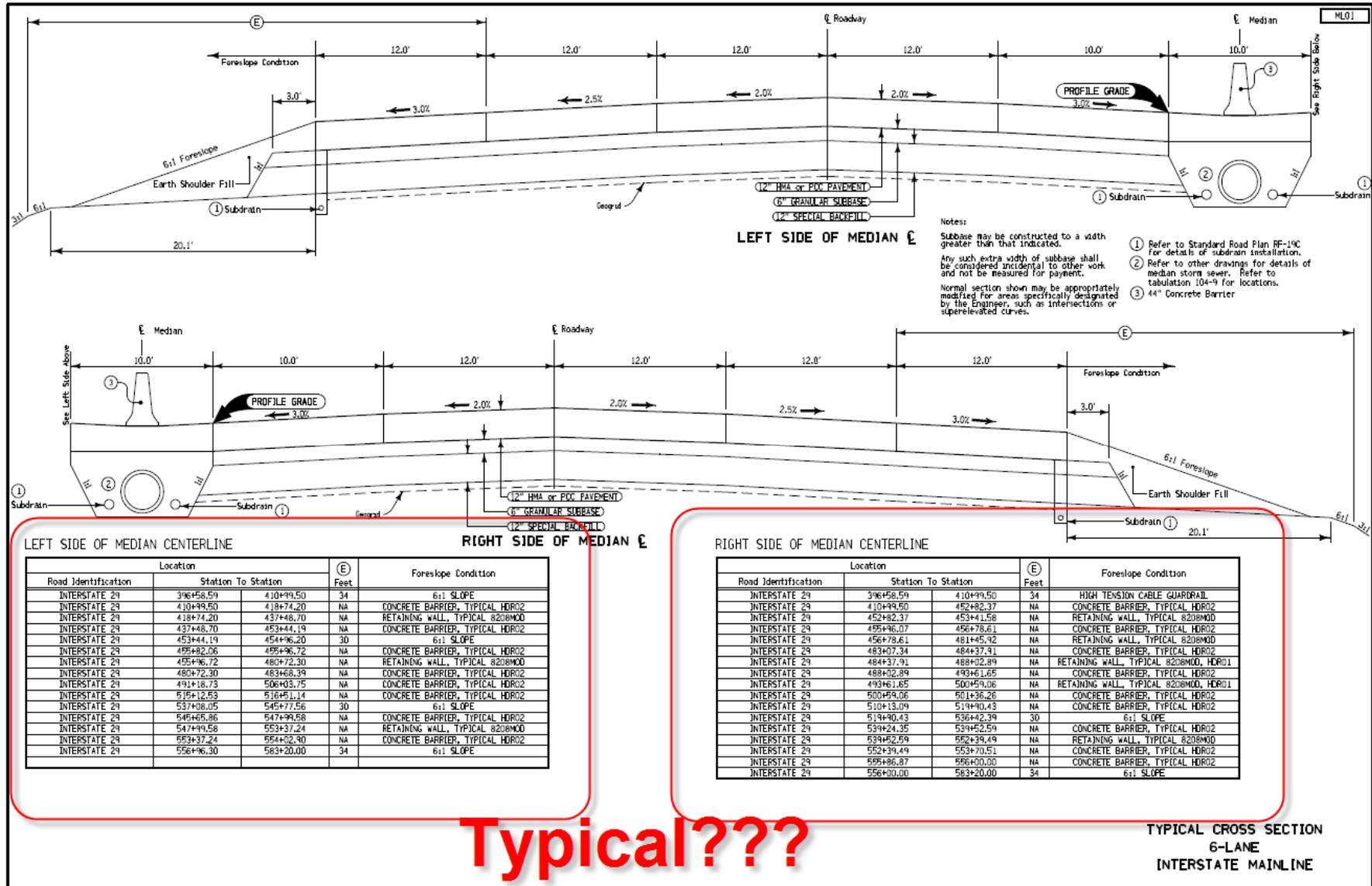


# Let's look closer at a simple "typical"



| LOCATION            |                       | EL   | ER   | ML   | MR   |
|---------------------|-----------------------|------|------|------|------|
| ROAD IDENTIFICATION | STATION TO STATION    | Feet | Feet | Feet | Feet |
| FLOYD BLVD          | 104+69.71   107+03.80 | 17   | 12   | 19.5 | 7.5  |
| FLOYD BLVD          | 107+03.80   111+97.72 | 17   | 12   | ⑥    | 7.5  |
| WESLEY PKWY         | 419+59.25   423+12.23 | 12   | 12   | ⑥    | ⑥    |
|                     |                       |      |      |      |      |
|                     |                       |      |      |      |      |

# Let's look at a few others.....



| Road Identification | Location  | Station To Station | (E) Feet | Foreslope Condition             |
|---------------------|-----------|--------------------|----------|---------------------------------|
| INTERSTATE 29       | 396+56.59 | 410+99.50          | 34       | 6:1 SLOPE                       |
| INTERSTATE 29       | 410+99.50 | 418+74.20          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 418+74.20 | 437+46.70          | NA       | RETAINING WALL, TYPICAL R208MOD |
| INTERSTATE 29       | 437+46.70 | 453+44.19          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 453+44.19 | 454+96.20          | 30       | 6:1 SLOPE                       |
| INTERSTATE 29       | 454+96.20 | 495+86.72          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 495+86.72 | 483+72.30          | NA       | RETAINING WALL, TYPICAL R208MOD |
| INTERSTATE 29       | 483+72.30 | 483+66.39          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 491+18.73 | 506+03.75          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 515+12.53 | 516+61.14          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 537+06.05 | 545+77.56          | 30       | 6:1 SLOPE                       |
| INTERSTATE 29       | 545+77.56 | 547+99.58          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 547+99.58 | 553+37.24          | NA       | RETAINING WALL, TYPICAL R208MOD |
| INTERSTATE 29       | 553+37.24 | 554+02.90          | NA       | CONCRETE BARRIER, TYPICAL HD02  |
| INTERSTATE 29       | 556+96.30 | 583+20.00          | 34       | 6:1 SLOPE                       |

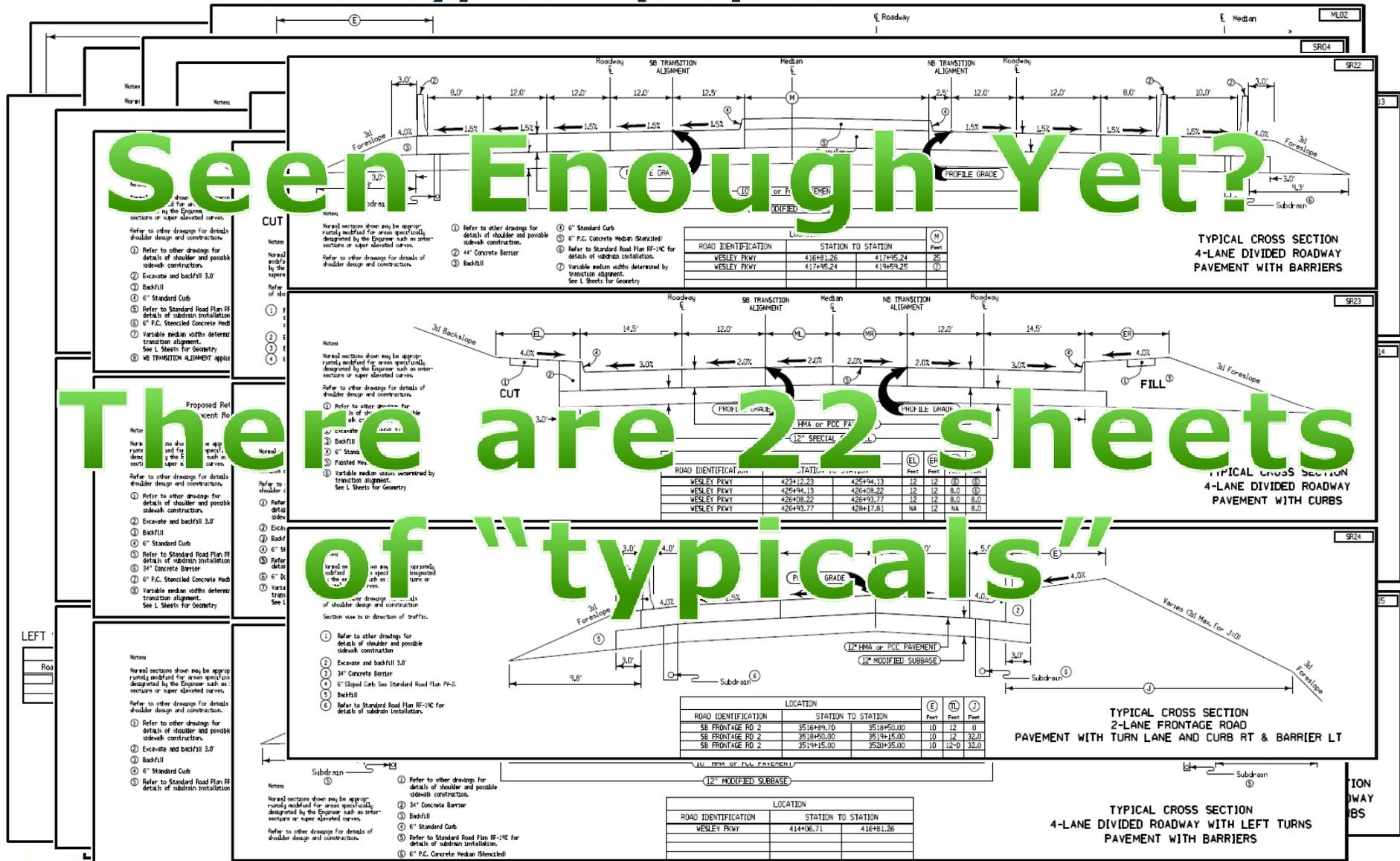
| Road Identification | Location  | Station To Station | (E) Feet | Foreslope Condition                   |
|---------------------|-----------|--------------------|----------|---------------------------------------|
| INTERSTATE 29       | 396+56.59 | 410+99.50          | 34       | HIGH TENSION CABLE GUARDRAIL          |
| INTERSTATE 29       | 410+99.50 | 452+82.37          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 452+82.37 | 453+41.58          | NA       | RETAINING WALL, TYPICAL R208MOD       |
| INTERSTATE 29       | 453+41.58 | 456+78.61          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 456+78.61 | 481+45.92          | NA       | RETAINING WALL, TYPICAL R208MOD       |
| INTERSTATE 29       | 481+45.92 | 484+37.91          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 484+37.91 | 488+02.89          | NA       | RETAINING WALL, TYPICAL R208MOD, HD01 |
| INTERSTATE 29       | 488+02.89 | 493+61.65          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 493+61.65 | 500+59.06          | NA       | RETAINING WALL, TYPICAL R208MOD, HD01 |
| INTERSTATE 29       | 500+59.06 | 501+36.26          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 510+13.09 | 519+90.43          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 519+90.43 | 536+42.39          | 30       | 6:1 SLOPE                             |
| INTERSTATE 29       | 536+42.39 | 539+52.59          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 539+52.59 | 552+39.49          | NA       | RETAINING WALL, TYPICAL R208MOD       |
| INTERSTATE 29       | 552+39.49 | 553+70.51          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 556+96.30 | 583+20.00          | NA       | CONCRETE BARRIER, TYPICAL HD02        |
| INTERSTATE 29       | 583+20.00 |                    | 34       | 6:1 SLOPE                             |

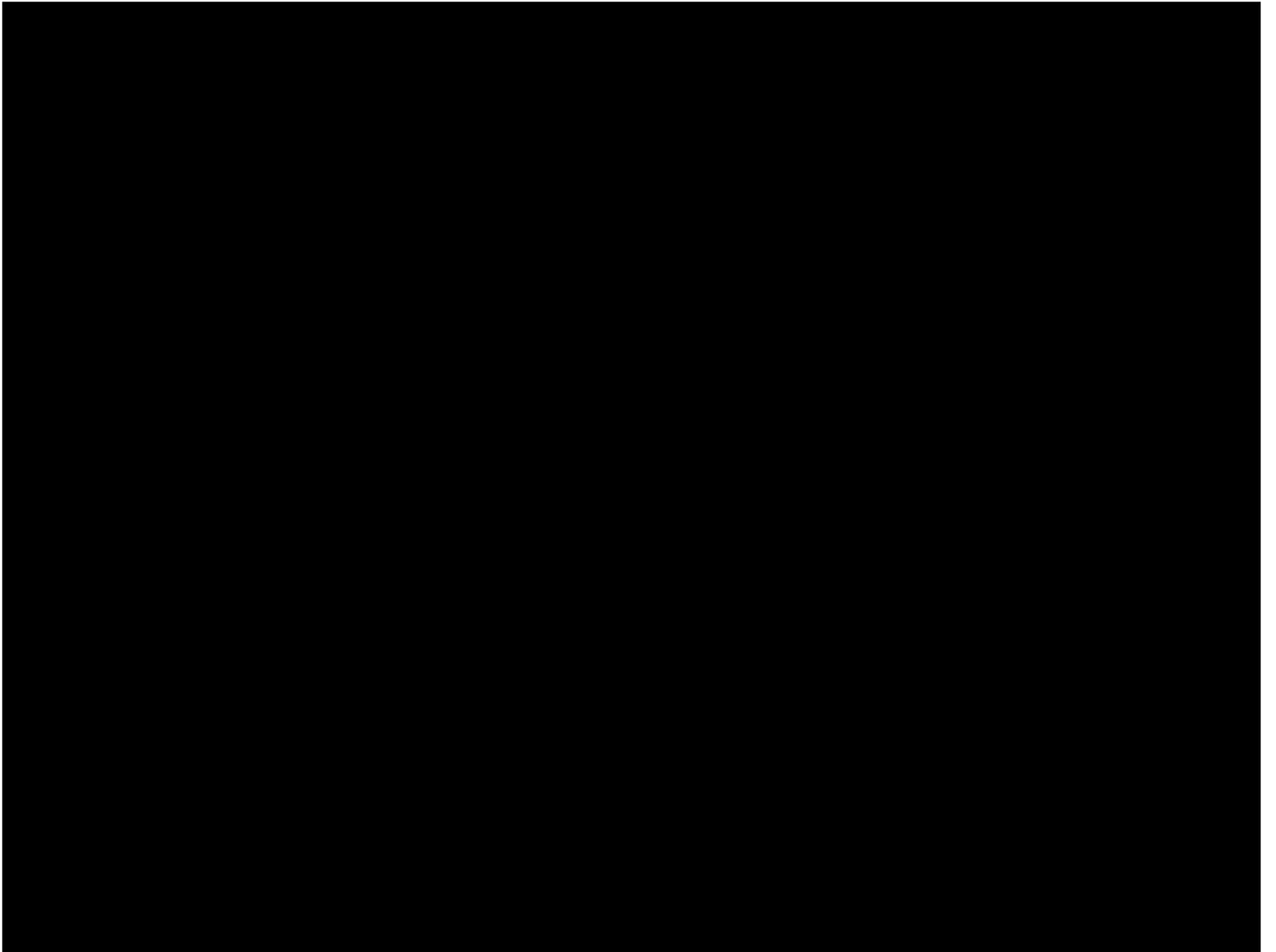
Typical???

# This is one "typical" project

# Seen Enough Yet?

# There are 22 sheets of "typicals"





# “typical” workflow in practice

- Demo

# Any questions?

