

# interoffice communication

Julie Meyer, Area Construction Engineer

DATE:

June 1, 2013

Attn: Mike Vrabel, Project Engineer

Brian Blayney, Chairman, District Safety Review Team FROM:

SUBJECT:

ODOT Project 0036-13, PID 85524, CUY-90-7.74

Request to Improve Proposed Lane Markings at I-90 WB Before McKinley Exit

The DSRT requests that the subject project process a change order to improve the pavement markings on I-90 WB before the McKinley exit as shown in the attached plan sheets. This proposed change is recommended for implementation after the surface course is placed but prior to placement of final pavement markings.

This change is recommended to bring this section of I-90 WB into compliance with ODOT design policy for continuity and balance of through lanes (LDM Volume 1 Section 502.8.) The change is expected to improve safety by eliminating unnecessary lane changes to avoid the existing drop lane condition at McKinley. It is also expected to improve traffic flow by providing continuity in the inside lane.

This office offers the following sequence of operations to implement the proposed change within the constraints of the project:

- 1. Conduct pavement operations (milling, making repairs, placing overlay) as planned for inner and outer lanes.
- 2. After placing surface course in transition area, place selected markings using 740.06 Type 1 tape. See attached markup for recommended limits and quantities.
- 3. Prior to planned placement of permanent epoxy markings, implement proposed change in markings. Remove temporary tape and place temporary markings using temporary paint. Concurrent with this work, ODOT crews will overlay the McKinley ½ Mile Exit sign.
  - During the first part of the night, it is suggested to close the outer 2 lanes of I-90 WB as well as the Warren entrance and McKinley exit to relocate temporary markings to their proposed location.
  - b. During the second part of the night, it is suggested to close the inside 3 lanes of I-90 WB to build the proposed transition across the remaining travel lanes. Warren and McKinley ramps could be opened to traffic in this sub-phase.
- 4. Place permanent epoxy markings as shown in the revised plan sheets 33-35 (these sheets supersede previously re-issued sheets accompanying Eric Kallio's 4/5/2013 IOC) and in conformance with contract completion requirements.

It is critical for the project to coordinate the placement of the sign overlay (described in 3(a) above) with Traffic Maintenance Engineer Travis Bonnett (216-584-2220.) Contact Travis at least 3 days in advance of this work so that he may organize ODOT maintenance crews. Travis has already ordered the sign overlay to ensure its fabrication does not hold up implementation.

Please contact me at 216-584-2102 if you have any questions regarding these comments.

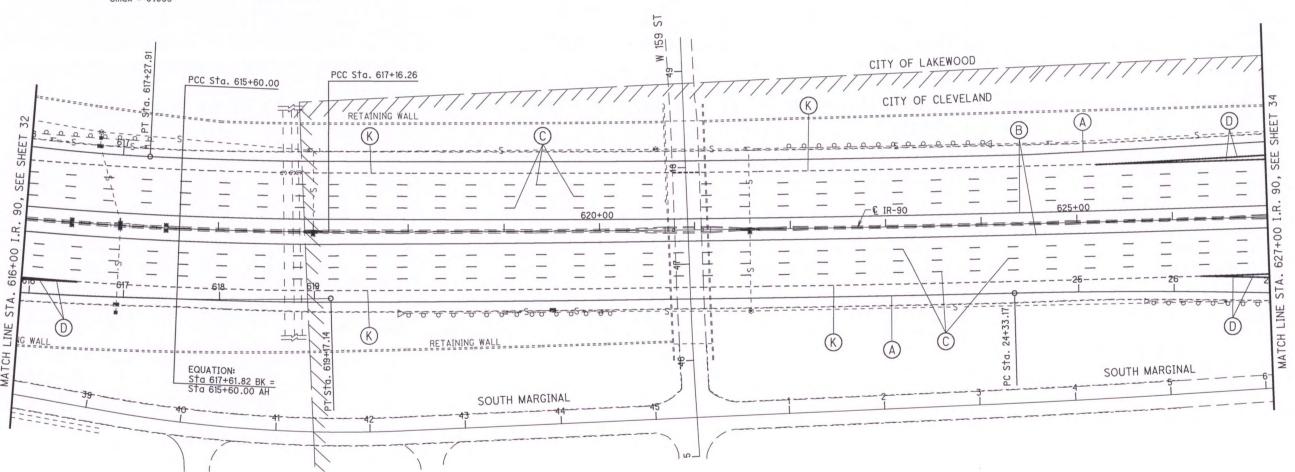
**Enclosures** 

Revised Plan Sheets 33-35, Temporary Pavement Marking Details (Tape and Paint)

c: T. Bonnett; D. Oneil; E. Kallio; F. Konopka; PID 85524

I.R. 90 CURVE P.I. Sta = 616+38.14 D = 2° 17′ 31″ (LT) Dc = 1° 28' 00" R = 3,906.53'T = 78.14'L = 156.26' E = 0.78'emax = 0.033

I.R. 90 CURVE P.I. Sta = 623+63.69 D = 2° 38' 46" (LT) Dc = 0° 12′ 16″ R = 28,032.38'T = 647.42'L = 1,294.61' E = 7.48'emax = NONE



#### PAVEMENT MARKING LEGEND

- A EDGE LINE (WHITE)
  B EDGE LINE (YELLOW
  C LANE LINE - EDGE LINE (YELLOW)
- CHANNELIZING LINE, 12"
  - TRANSVERSE/DIAGONAL LINE
- STOP LINE
- DOTTED LINE, 6"
- CROSSWALK LINE
- CHANNELIZING LINE, 8"
- DOTTED LINE, 12"

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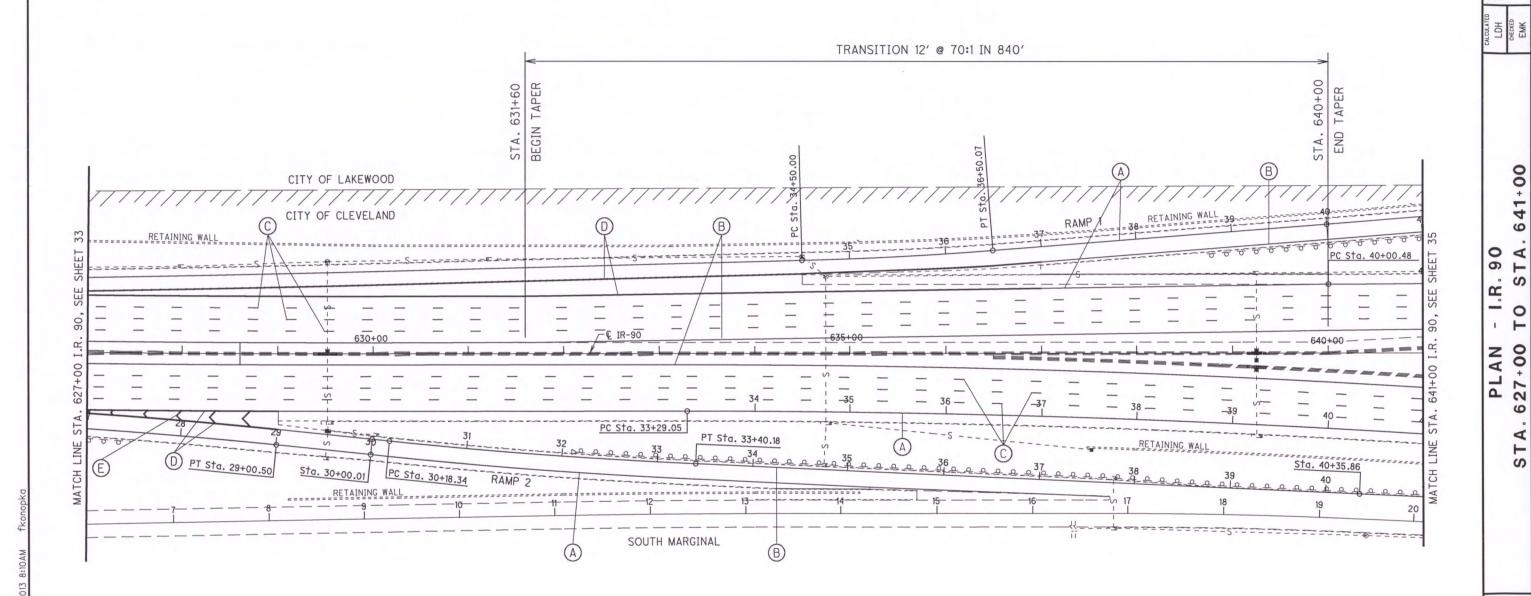
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PLAN 616+00

REVISED BAB 6/1/2013



### PAVEMENT MARKING LEGEND

- A EDGE LINE (WHITE)
  B EDGE LINE (YELLOW - EDGE LINE (YELLOW)
- (C) LANE LINE
- CHANNELIZING LINE, 12"
- TRANSVERSE/DIAGONAL LINE
- F) STOP LINE

- G DOTTED LINE, 6"

  H CROSSWALK LINE

  J CHANNELIZING LINE, 8"

  K DOTTED LINE, 12"

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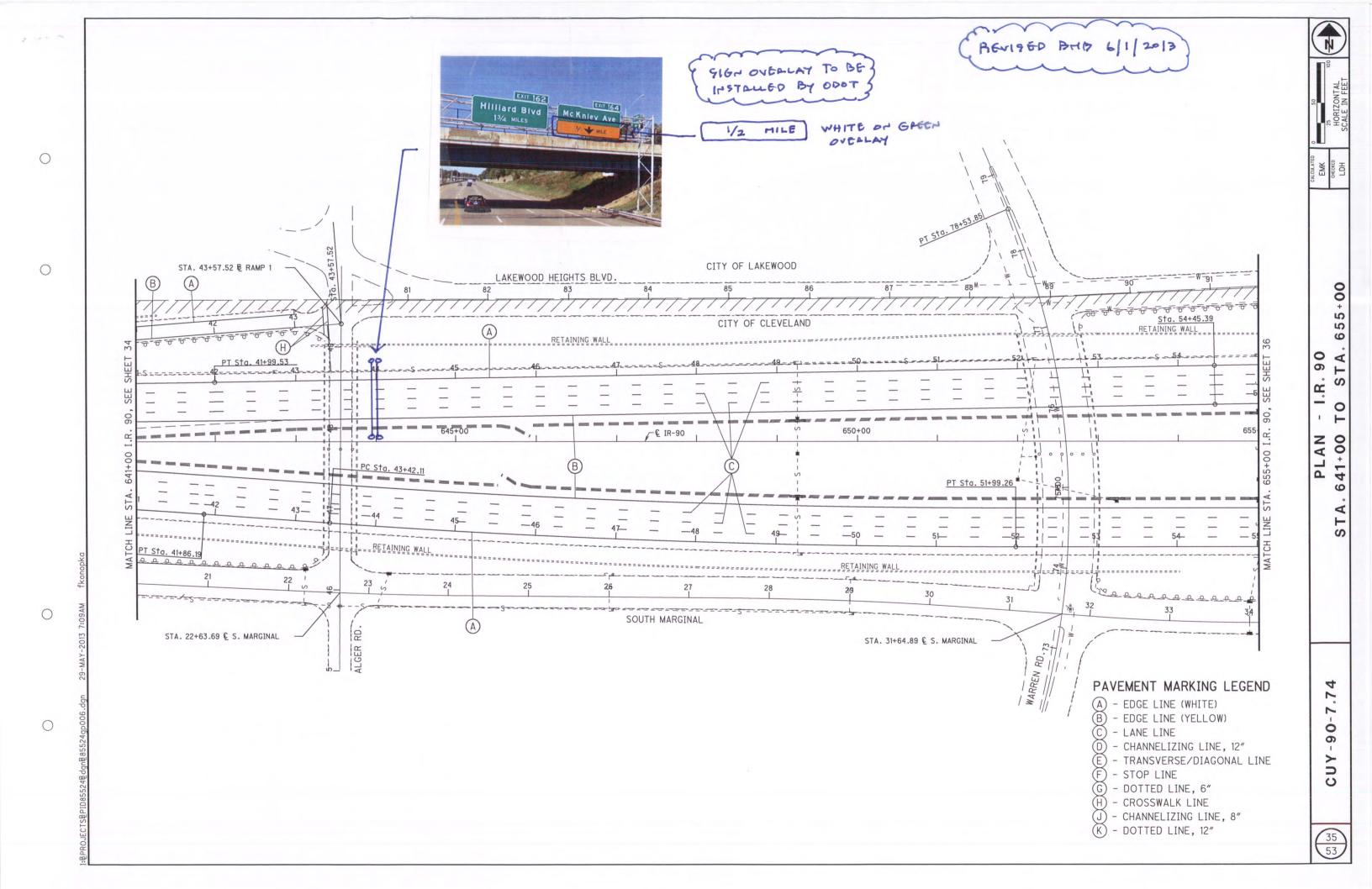
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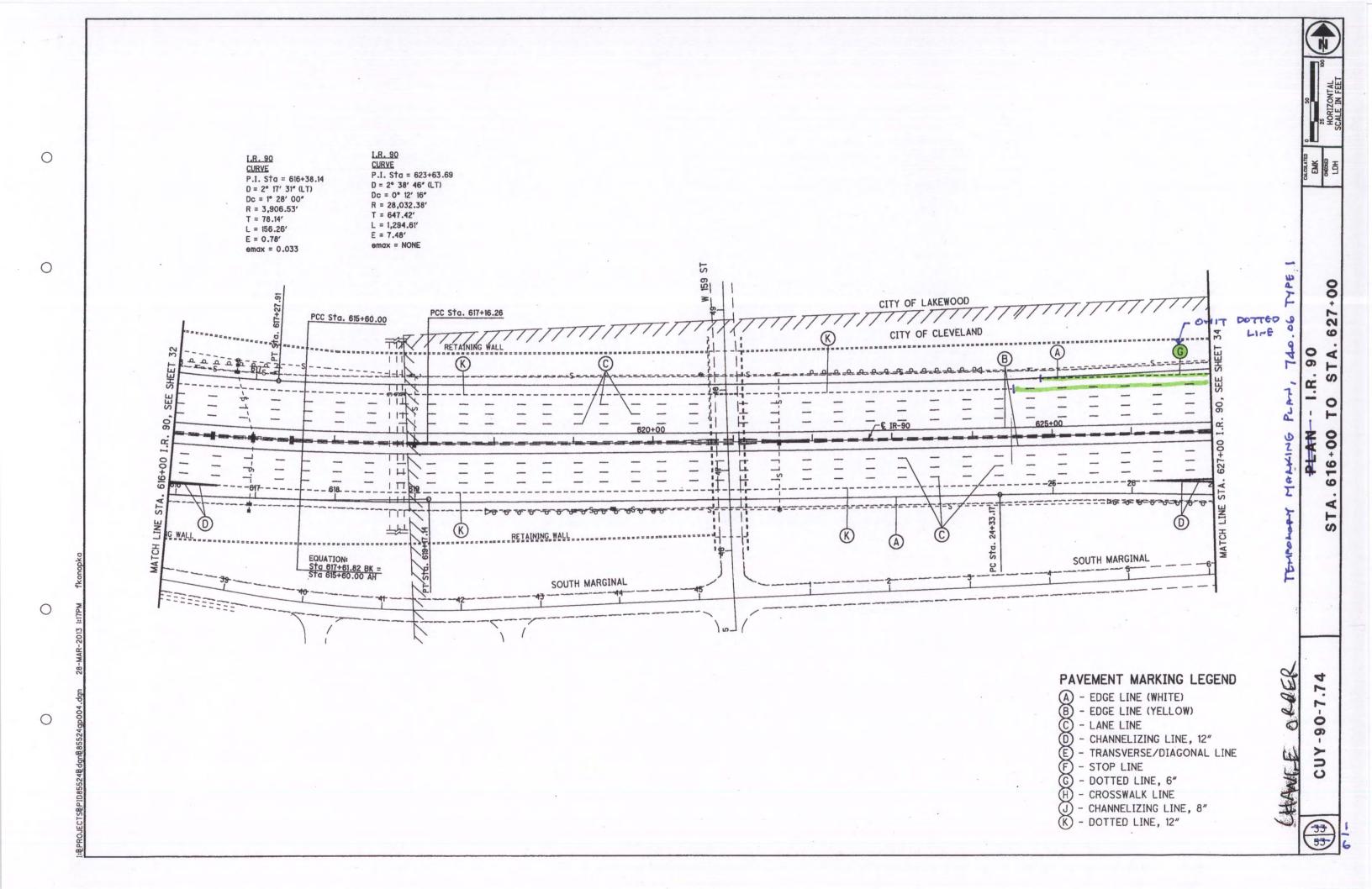
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ESTIMATED QUANTITIES, 740.06 TYPE ! YELLOW EL WHITE EL - 3001 - 3360 - 460' CITY OF LAKEWOOD 90 CITY OF CLEVELAND OMIT DOTTED LINE 90 TA. .. R. PEAN 27 - 00 627 PC Sta. 33+29.05 D PT Sta. 29+00.50 Sta. 30+00.01 PC Sta. 30+18.34 RAMP 2 RETAINING WALL SOUTH MARGINAL PAVEMENT MARKING LEGEND (A) - EDGE LINE (WHITE) - EDGE LINE (YELLOW) - LANE LINE - CHANNELIZING LINE, 12" - TRANSVERSE/DIAGONAL LINE - STOP LINE - DOTTED LINE, 6" - CROSSWALK LINE J - CHANNELIZING LINE, 8"

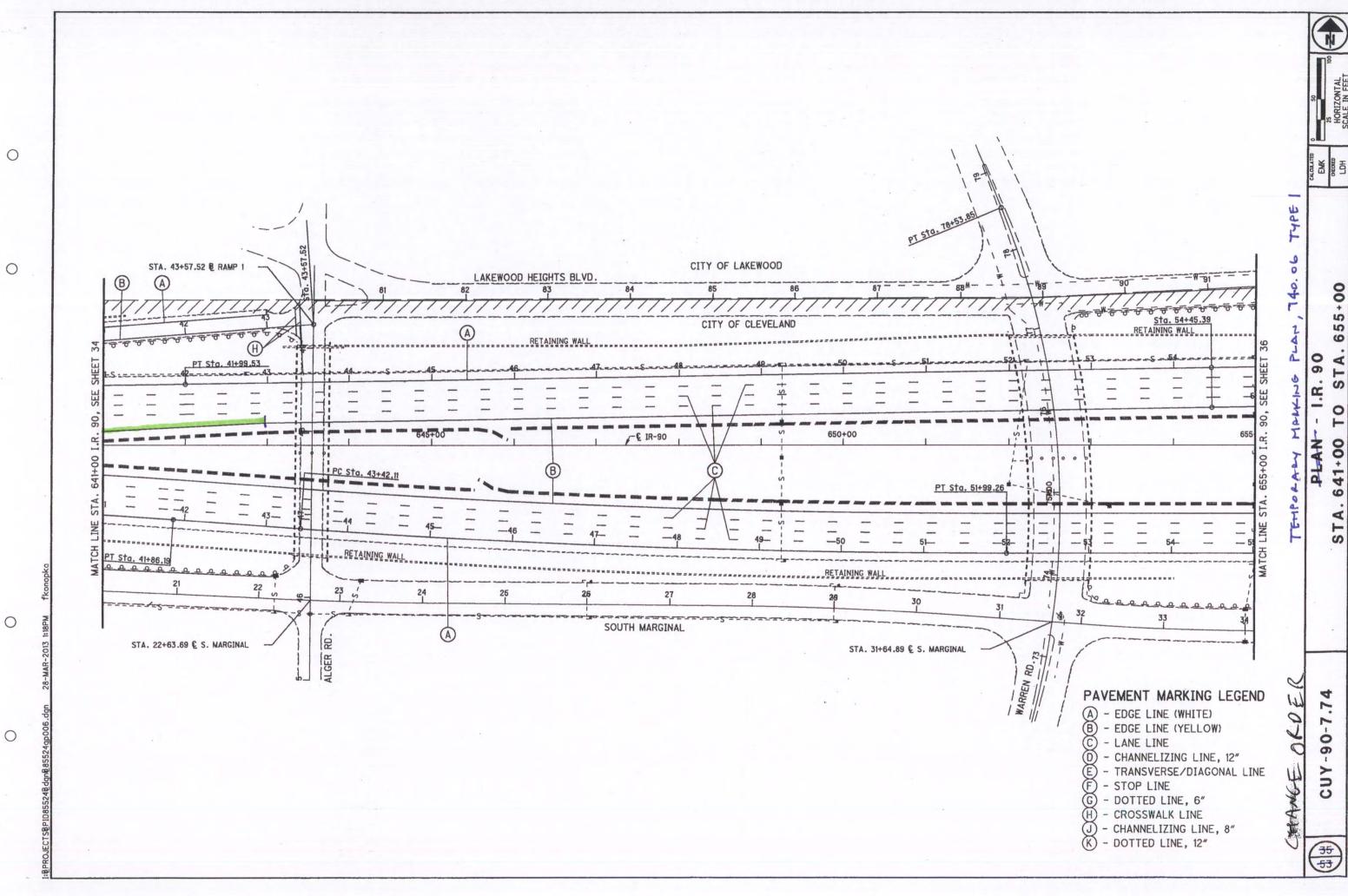
K - DOTTED LINE, 12"

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ST CITY OF LAKEWOOD PCC Sta. 617+16.26 PCC Sta. 615+60.00 RETAINING WALL SOUTH MARGINAL SOUTH MARGINAL

## PAVEMENT MARKING LEGEND

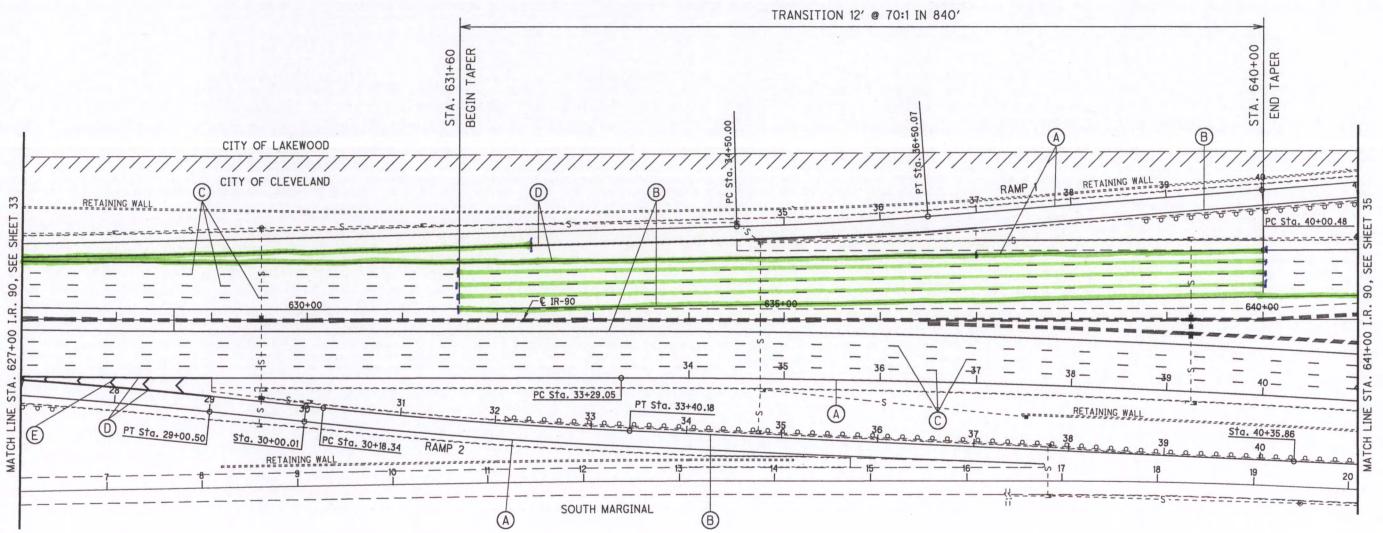
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### PAVEMENT MARKING LEGEND

- EDGE LINE (WHITE)
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- LANE LINE
- CHANNELIZING LINE, 12"
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- STOP LINE
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- CROSSWALK LINE - CHANNELIZING LINE, 8"
- DOTTED LINE, 12"

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PLAN 627+00

