



**ARAPAHOE COUNTY**

# Infrastructure Design & Construction Standards 2025 Adoption

Board of County Commissioner  
Public Hearing February 3, 2026



# Background

- IDCS had a major update that went into effect June 9, 2025
- This update continues with edits that were identified yet required more research or coordination with other PWD Divisions
- When County's review process changes, the IDCS should be updated
- IDCS needs to refer to recent technical design criteria



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# Summary of Highlighted Changes

- Added abbreviations and acronym listing
- Adds statement regarding the Design Professionals–Licensed Engineers/Surveyors
- Clarified the County and South East Metro Stormwater Authority's relationship and administration
- Adds signage example for Private Roads
- Modifies pavement design to composite sections
- Includes pipe abandonment statement



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## Summary of Highlighted Changes

- Updated pavement restoration for all street cuts permits
- Updated how the collateral amounts are established
- Adds back in Survey Control requirements
- Updates to as built and digital file requirements
- Clarifies Subsurface Underground Engineering (SUE) Requirements for Utility Construction Plans
- Further defines Clear Sight Distances for intersections and horizontal curves



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## Internal Feedback

- No comments were received
- ESD worked with Transportation, Planning and Road & Bridge for edits needed for signage, restoration and moratorium considerations

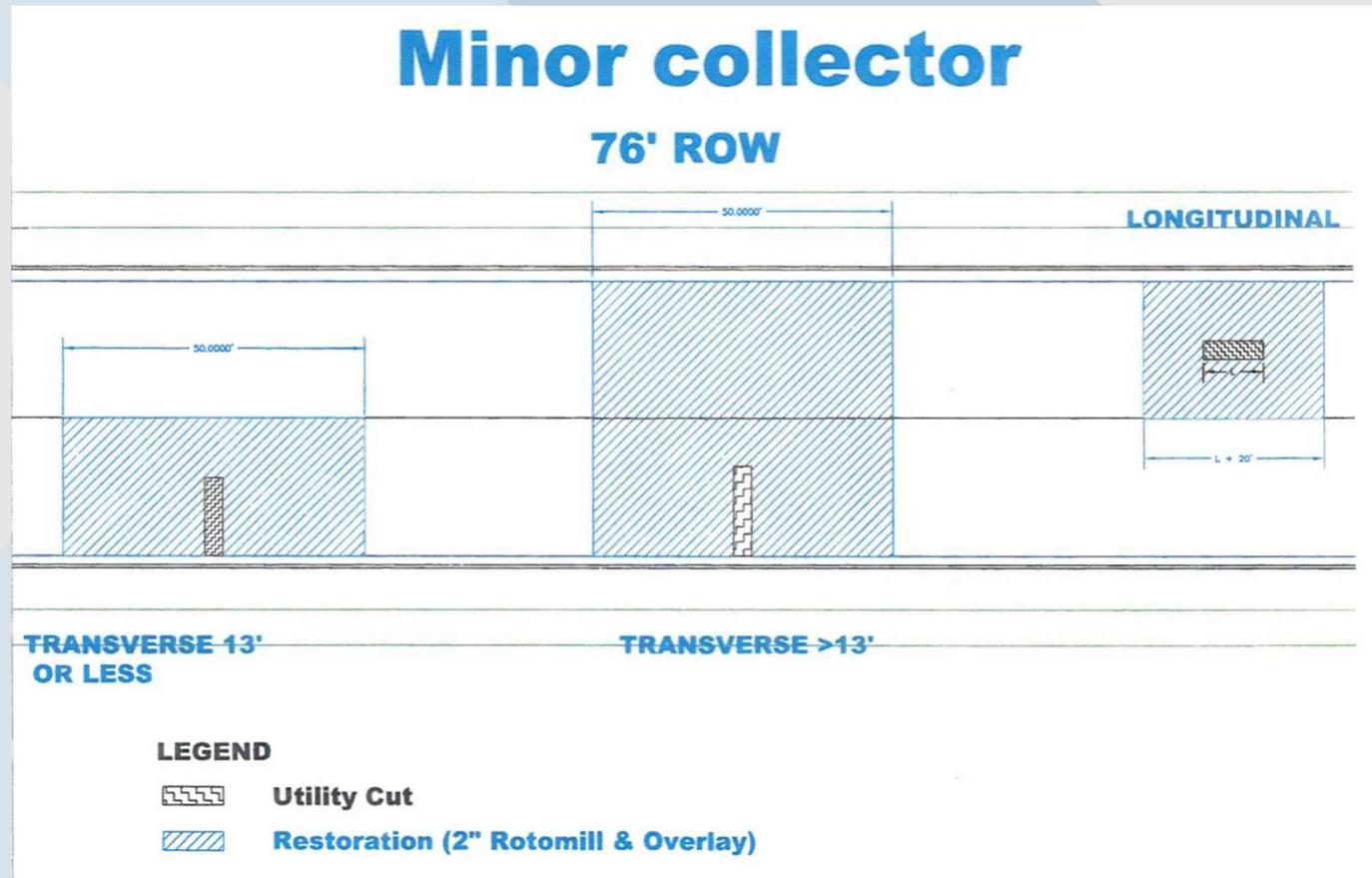
*Pavement moratorium designation from 2 years to Pavement Condition Index (PCI) of 90 or higher*





# Internal Feedback

- Pavement restoration examples

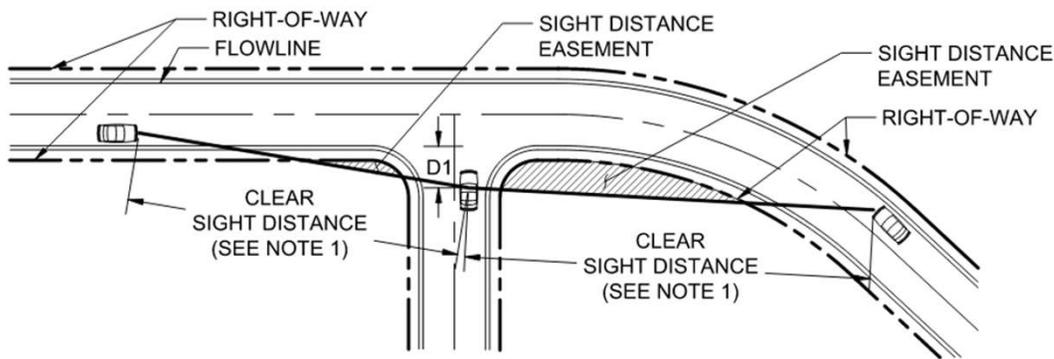




# Internal Feedback

- Sight Distance

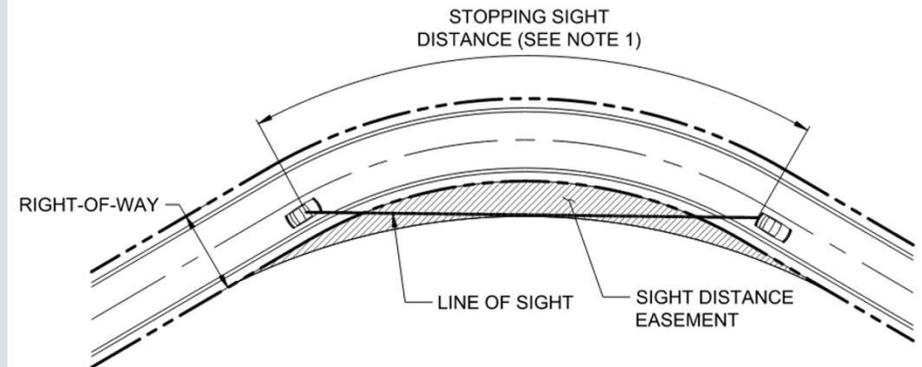
Figure 4.2 – Clear Sight Distance at Intersections



NOTES

1. APPROACH AND DEPARTURE SIGHT DISTANCES ARE TO BE CALCULATED FROM AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (GREEN BOOK) CHAPTER 9, LATEST EDITION.

Figure 4.1 – Stopping Distance on Horizontal Curves



NOTES

1. STOPPING SIGHT DISTANCES ARE TO BE CALCULATED FROM AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (GREEN BOOK) CHAPTER 3, LATEST EDITION.



# Internal Feedback

- ESD working with County Attorney's Office for Collateral modifications

*The engineer's estimate of cost to be current when the Subdivision Improvement Agreement is signed.*

*Included 15% for administration of contract in the Letter of Credit.*



# External Feedback

- One comment was received
- “Most of these changes appear non-substantive and/or reflect best industry practices. I particularly appreciate the updated pavement restoration requirements and doubling of fees during the moratorium periods.”



# Study Session Follow-up

- PCI versus OCI for pavement moratorium

In discussion with the Pavement Management Coordinator, it was agreed that PCI would be the more appropriate index to use for the pavement moratorium.

- Frequency of Changes/Updates

In discussion with staff, it was agreed that ESD could update one manual annually which would put the next IDCS update in 4 years. Applications are required to meet the standards that are in place at the time of submission.



# Recommendations

- Staff recommends adoption of the Infrastructure Design and Construction Standards 2025 update with an effective date May 4, 2026

# Questions?

Ceila Rethamel, PE, PMP, CWP

Engineering Services Division

