

The logo for MGPEC, featuring the acronym in a blue rounded rectangle.

**MUNICIPAL GOVERNMENT
PAVEMENT ENGINEERS COUNCIL**

Municipal Government Pavement Engineers Council (MGPEC)

Dan Roberts, P.E.

MGPEC Chairman



Who is MGPEC?

- The Municipal Government Pavement Engineers Council (aka the Metropolitan Government Pavement Engineers Council)
- Originally Established In 1993 to represent all of the cities and counties in the DRCOG (Denver Regional Council of Governments) planning area
- MGPEC has influenced other regional specifications such as Pike Peak Regional Transportation Authority (PPRTA), El Paso County and in the Grand Valley near Grand Junction



Who is MGPEC?

- In 2020, MGPEC decided to expand their representation to include the entire State of Colorado
- So now, MGPEC actively promotes pavement management programs for all local governments across the state



Who is MGPEC?

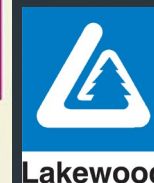
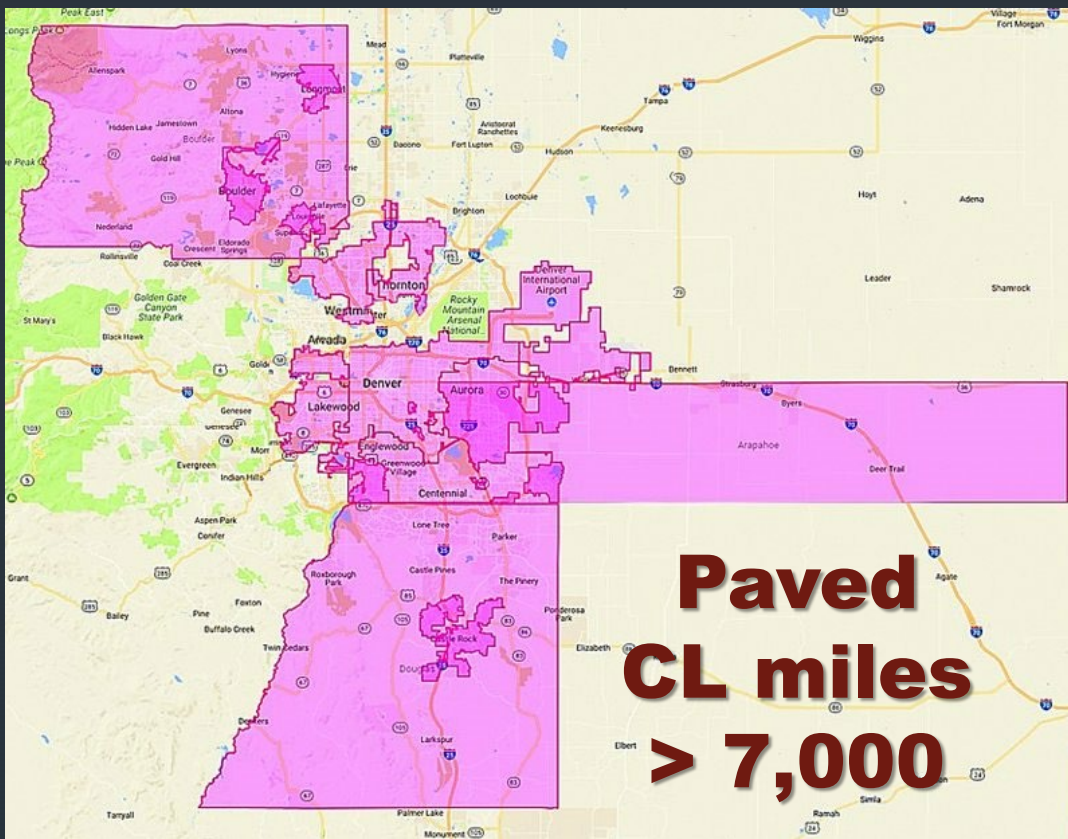
- MGPEC is made up of government agencies just like yours. Here a list of government members:

Arapahoe County	Arvada	Aurora	Boulder	Wheat Ridge
Boulder County	Castle Rock	City and County of Denver	Douglas County	Castle Pines
Federal Heights	Fort Morgan	Grand County	Littleton	Greeley
Longmont	Parker	Thornton	Westminster	

- MGPEC also has a healthy associate membership that is active with a broad representation of the industry including the following industries:
asphalt, concrete, consultants, contractors, geotechnical, and suppliers.

MGPEC

MUNICIPAL GOVERNMENT PAVEMENT ENGINEERS COUNCIL



19 Local Agency Members

(For comparison, CDOT = 21,000 cl miles statewide)



Why MGPEC?

- Local Agencies are responsible for funding and maintaining 74% of the asphalt roads in Colorado
- State DOT specifications aren't always the best options for local agencies
- The construction of roads can be very different for local government than it is for the State DOT



Why MGPEC?

- In Colorado, the Municipal Government Pavement Engineers Council (MGPEC) provides local government specifications available for free use
- MGPEC provides a common and robust standard for local agencies



Why MGPEC?

- Agencies benefit from a shared body of knowledge
- Producers benefit from fewer mix designs
- Consultants benefit from standard pavement design methods
- Contractors benefit from standard testing and acceptance practices



MGPEC Specifications

MGPEC Specifications: <https://www.mgpec.org/mgpec-specifications.html>

- Index
- Item 0 - General
- Item 1 - Removal of Pavement
- Item 2 - Excavation
- Item 3 - Embankment
- Item 4 - Moisture Treatment
- Item 5 - Chemical Stabilized Subgrade
- Item 6 - Mechanical Stabilized Subgrade
- Item 7 – Full Depth Reclamation of Hot Mix Asphalt Pavement
- Item 8 – Asphalt Emulsion Stabilization Full Depth Reclamation
- Item 12 – Separation Fabric
- Item 13 – Aggregate Base Course
- Item 15 – Polyurethane Stabilization – Lifting of Pavements
- Item 16 – Cementitious Stabilization – Lifting of Pavements
- Item 19 – Utility Cut, Backfill, Patching
- Item 20 – Asphalt Paving Materials
- Item 21 – Asphalt Milling
- Item 22- Geosynthetic Paving Interlayer
- Item 23 – Crack Seal
- Item 24 – Fog Seal
- Item 25 – Chip Seal
- Item 26 – Slurry Seal



MGPEC Specifications

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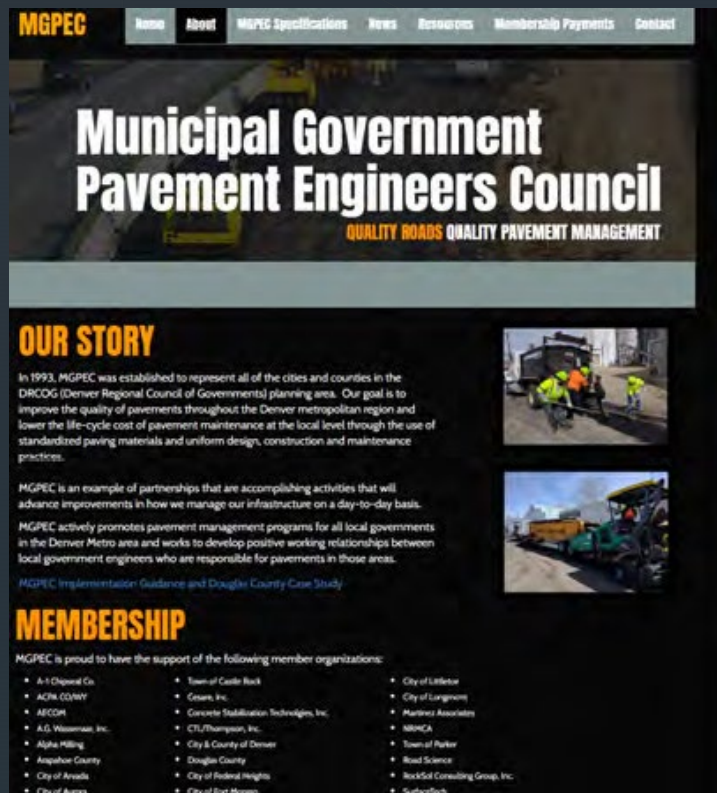
- Item 30 – Portland Cement Concrete Materials
- Item 31 – Concrete Curbs, Gutters, Sidewalks
- Item 32 – Portland Cement Concrete Pavement

Additional Information

- Form 20 Mix Design Requirements
- MGPEC TAM Guide
- MGPEC Pavement Design Standards
- MGPEC Appendix A – Glossary of Terms
- MGPEC Appendix B – FHWA Vehicle Classes
- MGPEC Appendix C – CDOT LEFs

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Municipal Government Pavement Engineers Council

QUALITY ROADS QUALITY PAVEMENT MANAGEMENT

OUR STORY

In 1993, MGPEC was established to represent all of the cities and counties in the DRCOG (Denver Regional Council of Governments) planning area. Our goal is to improve the quality of pavements throughout the Denver metropolitan region and lower the life-cycle cost of pavement maintenance at the local level through the use of standardized paving materials and uniform designs, construction and maintenance practices.

MGPEC is an example of partnerships that are accomplishing activities that will advance improvements in how we manage our infrastructure on a day-to-day basis.

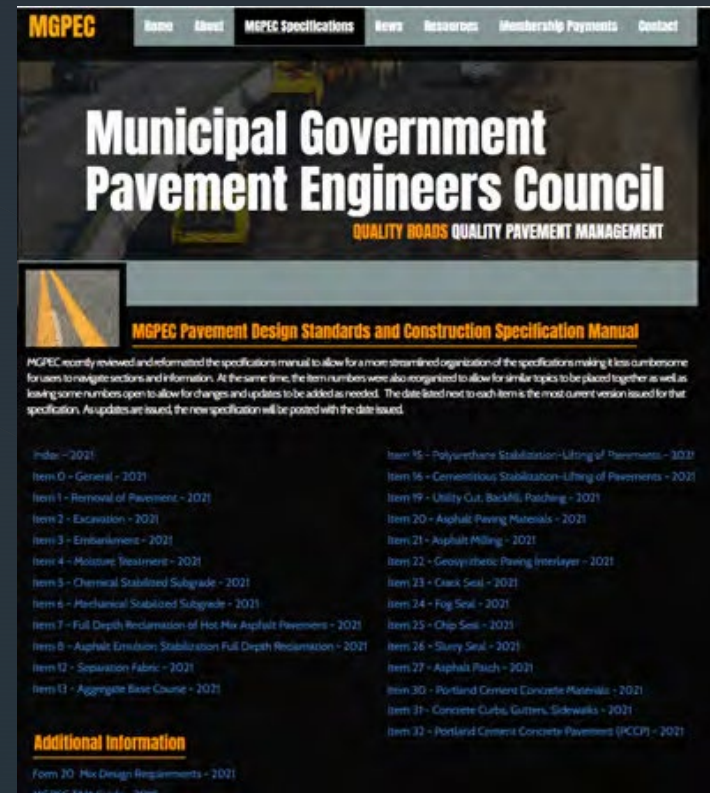
MGPEC actively promotes pavement management programs for all local governments in the Denver Metro area and works to develop positive working relationships between local government engineers who are responsible for pavements in those areas.

MGPEC Implementation Guidance and Douglas County Case Study

MEMBERSHIP

MGPEC is proud to have the support of the following member organizations:

- A-1 Chaperal Co.
- ACM CO/WY
- ABCOM
- A.G. Wessman, Inc.
- Alpha Milling
- Anasapbor County
- City of Arvada
- City of Aurora
- Town of Castle Rock
- Greens, Inc.
- Concrete Stabilization Technologies, Inc.
- CTL/Thompson, Inc.
- City & County of Denver
- Douglas County
- City of Federal Heights
- City of Fort Morgan
- City of Littleton
- City of Longmont
- Partner Associates
- MHNCA
- Town of Parker
- Road Science
- RockSol Consulting Group, Inc.
- SurfaceTech



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Municipal Government Pavement Engineers Council

QUALITY ROADS QUALITY PAVEMENT MANAGEMENT

MGPEC Pavement Design Standards and Construction Specification Manual

MGPEC recently reviewed and reformatted the specifications manual to allow for a more streamlined organization of the specifications making it less cumbersome for users to navigate sections and information. At the same time, the item numbers were also reorganized to allow for similar topics to be placed together as well as leaving some numbers open to allow for changes and updates to be added as needed. The date listed next to each item is the most current version issued for that specification. As updates are issued, the new specification will be posted with the date issued.

- Index - 2021
- Item 0 - General - 2021
- Item 1 - Removal of Pavement - 2021
- Item 2 - Excavation - 2021
- Item 3 - Embankment - 2021
- Item 4 - Moisture Treatment - 2021
- Item 5 - Chemical Stabilized Subgrade - 2021
- Item 6 - Mechanical Stabilized Subgrade - 2021
- Item 7 - Full Depth Reclamation of Hot Mix Asphalt Pavements - 2021
- Item 8 - Asphalt Emulsion Stabilization Full Depth Reclamation - 2021
- Item 12 - Separation Fabric - 2021
- Item 13 - Aggregate Base Course - 2021
- Item 15 - Polyurethane Stabilization-Lifting of Pavements - 2021
- Item 16 - Cementitious Stabilization-Lifting of Pavements - 2021
- Item 19 - Utility Cut, Backfill, Patching - 2021
- Item 20 - Asphalt Paving Materials - 2021
- Item 21 - Asphalt Milling - 2021
- Item 22 - Geosynthetic Paving Interlayer - 2021
- Item 23 - Crack Seal - 2021
- Item 24 - Fog Seal - 2021
- Item 25 - Chip Seal - 2021
- Item 26 - Slurry Seal - 2021
- Item 27 - Asphalt Patch - 2021
- Item 30 - Portland Cement Concrete Materials - 2021
- Item 31 - Concrete Curbs, Gutters, Sidewalks - 2021
- Item 32 - Portland Cement Concrete Pavements (ICCP) - 2021

Additional Information

- Form 20 - Mix Design Requirements - 2021
- MGPEC Fall Guide - 2021



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- Specifications are updated annually at the end of the construction season to include industry and member comments on what went well, what needs to be improved, and what needs to be added or deleted
- Over the years, MGPEC has developed a healthy set of standards that address subgrade treatments, pavement materials and construction, and maintenance treatments, amongst other items. The adoption of MGPEC standards across the Denver Metro area has allowed for higher quality constructed pavements, regional problems addressed more uniformly, consistent mix designs, and a forum for all associate members to share ideas and strategies for better pavements.



For More Information

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