

Resolution amending the City Council Policies to add Policy 28 - Award Guidelines for Arterial and Collector Streets with Concrete or Asphalt Pavement specifying concrete pavement will be recommended if construction cost is within \$125,000 per lane mile of the asphalt pavement alternative

WHEREAS, prior to November 2008, the City would typically design and construct arterial roadways with Hot Mix Asphalt Concrete (HMAC) as it was assumed to be the more affordable pavement alternative;

WHEREAS, with the November 2008 Bond Election, the City began to bid certain arterial streets with both HMAC and Portland Cement Concrete (PCC) pavement designs resulting in mixed construction awards for either HMAC or PCC pavement;

WHEREAS, in 2013, the City upgraded pavement design standards to a 30-year design life using the Association of State Highway Transportation Officials (AASHTO) Guide for Design of Pavement Structures. The change in design criteria, combined with market forces, created an environment where PCC became much more competitive with HMAC;

WHEREAS, in early 2017, at council request, Engineering Services' staff performed life cycle cost analysis (LCCA) comparing a proposed PCC maintenance plan with the City's existing HMAC maintenance plan. The results of that LCCA validated the belief that PCC offered reduced maintenance costs over HMAC;

WHEREAS, Freese and Nichols, Inc. (FNI) was tasked with re-evaluating the LCCA between HMAC and PCC pavements and providing a letter report with recommendations resulting in three cost range options for bid award recommendations. Engineering staff believes FNI's analysis warrants raising the \$100,000 per lane mile used in the current staff bid award recommendation policy.

WHEREAS, during the September 11, 2018 City Council meeting, Council requested a review of the policy regarding bidding street reconstruction projects in both Hot Mix Asphalt Concrete (HMAC) pavement and Portland Cement Concrete (PCC) pavement, staff is recommending the PCC alternate if the PCC bid is within \$125,000 per lane mile of the HMAC alternative.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CORPUS CHRISTI, TEXAS:

SECTION 1. The City Council Policy is amended to add City Council Policy 28 to read as follows:

28. – Award Guidelines for Arterial and Collector Streets with Concrete Pavement or Asphalt Pavement

If the construction cost for concrete pavement is within \$125,000 per lane mile (\$17.75/square yard), which should represent the future anticipated maintenance cost, of the asphalt pavement alternative, the concrete pavement alternative will be used by City Council when deciding to award a contract for arterial and collector roadways.

This policy will be updated annually.

ATTEST:

Rebecca Huerta

Rebecca Huerta
City Secretary

THE CITY OF CORPUS CHRISTI

Joe McComb

Joe McComb
Mayor

Corpus Christi, Texas

16th of July, 2019

The above resolution was passed by the following vote:

Joe McComb

Aye

Roland Barrera

Aye

Rudy Garza Jr.

Aye

Paulette Guajardo

Aye

Gil Hernandez

Aye

Michael Hunter

Aye

Ben Molina

Aye

Everett Roy

Aye

Greg Smith

Aye

031813