

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 alternative will be used if construction cost is not more than \$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 not more than \$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 not more than \$125,000 per lane mile (\$17.75/square yard) 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.

ATTEST:

THE CITY OF CORPUS CHRISTI

Rebecca Huerta
City Secretary

Joe McComb
Mayor

Corpus Christi, Texas

_____ of _____, 2019

The above resolution was passed by the following vote:

Joe McComb _____

Roland Barrera _____

Rudy Garza Jr. _____

Paulette Guajardo _____

Gil Hernandez _____

Michael Hunter _____

Ben Molina _____

Everett Roy _____

Greg Smith _____