



City of Chicago



R2017-297

Office of the City Clerk

Document Tracking Sheet

Meeting Date: 4/19/2017

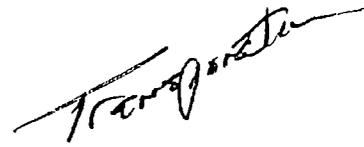
Sponsor(s): Beale (9)

Type: Resolution

Title: Call for Department of Transportation to adopt Federal Highway Administration provisions regarding use of post-consumer recyclable materials in roadway projects

Committee(s) Assignment: Committee on Transportation and Public Way

ORDINANCE



BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHICAGO:

WHEREAS, Illinois Public Act 99-0727 (the "Act") was signed by Governor Rauner on August 5, 2016 and becomes effective January 1, 2017; and

WHEREAS, the Act, which contains provisions similar to the Federal Fixing America's Surface Transportation ("FAST") Act, Pub. L. 114-94, authorizes units of local government to consult roadway design publications outside of the Illinois Department of Transportation's Bureau of Local Roads Manual for the construction of highways so long as the publication has been approved by the Federal Highway Administration (FHWA), the local government adopts the design publication and the design otherwise complies with applicable federal laws; and

WHEREAS, there are roadway design publications approved by the FHWA that, if utilized by the City of Chicago Department of Transportation, would allow for greater design flexibility including the opportunity to produce lower cost hot mix asphalt pavements while ensuring the safety and performance of pavements designed under such alternative publications; and

WHEREAS, the City Council is committed to the pursuit of available means and methods which can provide cost savings to taxpayers, more efficient productivity within a finite budget and improved overall quality of a final product.

BE IT RESOLVED, that we, the members of the City Council of the City of Chicago do hereby adopt the following roadway design publications approved by the FHWA and call upon the Chicago Department of Transportation to immediately consult and utilize the methods, findings and recommendations within these publications in the Department's hot mix asphalt road program:

1. Design Considerations When Using Reclaimed Asphalt Shingles (RAS) in Asphalt Mixtures AASHTO PP 78-16;
2. "Investigation of Low Temperature Cracking in Asphalt Pavement – Phase II Final Report 2012-23 ASTM D 7313";
3. AASHTO T 324 – Hamburg Wheel-Track Testing of Compacted Hot Mix Asphalt (HMA); following IDOT Standard Specifications 2016 – 1030.04 Mixture Design (Criteria).

BE IT FURTHER RESOLVED, that we hereby adopt the following roadway design programs and publications approved by the FHWA and call upon the Chicago Department of Transportation to

consult and utilize, as appropriate, the methods, findings and recommendations within these publications in the Department's hot mix asphalt road program:

1. Mechanistic-Empirical Pavement Design AASHTOWare Software;
2. Empirical Pavement Design AASHTO PaveXpress Software;
3. "Rejuvenator for Enhancing RAP Applications and Improving Material Compatibility" Fundamental Properties of Asphalts and Modified Asphalts III Product: FP 16 FHWA White Paper (March 2015);
4. "The Use of Recycled Tire Rubber to Modify Asphalt Binder & Mixtures" FHWA TechBrief FHWA-HIF-14-015 (September 2014);
5. "Use of Contractor Test Results in the Acceptance Decision, Recommended Quality Measures, and the Identification of Contractor/Department Risks" FHWA Technical Advisory T 6120.3 d.

BE IT FURTHER RESOLVED, that it shall be the goal of the Chicago Department of Transportation to maximize the use of post-consumer recyclable materials in the Department's hot mix asphalt road program so long as there is no documented detrimental impact on life cycle costs.

This ordinance shall take effect upon its passage and publication.



Honorable Anthony Allen Beale
Alderman, 9th Ward