



**Roll Call Number**

18-1895

**Agenda Item Number**

9

**Date** November 19, 2018

**APPROVING THE INTELLIGENT TRANSPORTATION SYSTEM (ITS) MASTER PLAN AS THE FRAMEWORK FOR THE CITY OF DES MOINES FUTURE TRAFFIC MANAGEMENT AND COMMUNICATION SYSTEMS INFRASTRUCTURE**

WHEREAS, on March 20, 2017, under Roll Call No. 17-0461, the City Council authorized a professional services agreement for the City's first ITS Master Plan; and

WHEREAS, the ITS Master Plan addresses major components including signal system hardware and software, work order system, fiber communications infrastructure, video observation cameras, and dynamic message signs; and

WHEREAS, the current ITS infrastructure for the City of Des Moines primarily consists of antiquated technologies, including traffic signal controllers using 1970's technology, video observation cameras that are often not operable, and a central management software that is outdated and will soon be unable to run on City computer systems due to operating system upgrades; and

WHEREAS, due to the limitation of the existing ITS, staff cannot monitor or adjust traffic signal operations during special events, unusual circumstances causing traffic to back up, or other situations when it would be advantageous to quickly make such adjustments; and

WHEREAS, the ITS Master Plan includes an inventory of existing ITS equipment, a needs assessment to determine the City's expectations for the system, concept design and cost estimates of the new systems, and an implementation plan including potential outside funding opportunities to supplement City funding; and

WHEREAS, the plan identifies ITS technologies and staffing necessary to better operate the City's traffic signal system and accommodate the emerging technologies associated with Smart Cities including connected and autonomous vehicles, connected pedestrians and bicyclists, and emergency vehicle preemption systems. The ITS Master Plan provides the framework for a fiber communication system that will be able to handle the data needs associated with connected and autonomous vehicles; and

WHEREAS, the ITS Master Plan was the result of an 18-month process incorporating various City Departments including Engineering/Traffic and Transportation, Public Works, Fire, and Police.

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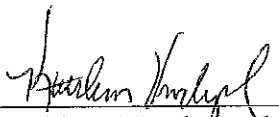
NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Des Moines, Iowa:

That the ITS Master Plan as on file in the office of the City Clerk, is hereby approved as the framework for the City's future traffic management and communication systems infrastructure..

(Council Communication No. 18-624)

Moved by Gatto to adopt.

APPROVED AS TO FORM:

  
 Kathleen Vanderpool  
 Deputy City Attorney

Funding Source: 2018-19/2023-24 CIP, TR097, Page 46, Street Improvements - Traffic System Operations Improvements

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE	✓			
BOESEN	✓			
COLEMAN	✓			
GATTO	✓			
GRAY	✓			
MANDELBAUM	✓			
WESTERGAARD	✓			
TOTAL	7			

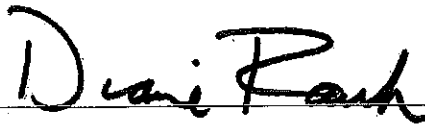
CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

  
 J. M. Franklin Courie  
 Mayor

  
 Diane Rauh  
 City Clerk

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Not USED