



City of League City, TX

300 West Walker
League City TX
77573

Meeting Minutes City Council

Tuesday, March 23, 2021

5:00 PM

Johnnie Arolfo Civic Center
400 West Walker Street

Council Work Session

The City Council of the City of League City, Texas, met in a work session in Johnnie Arolfo Civic Center at 400 West Walker Street on the above date at 5:00 p.m.

Mayor:

Pat Hallisey

City Council Members:

**Andy Mann
Hank Dugie
Larry Millican
John Bowen
Justin Hicks
Chad Tressler
Nick Long**

City Manager:

John Baumgartner

Assistant City Manager

Bo Bass

Assistant City Manager

Michael Kramm

City Attorney:

Nghiem Doan

City Secretary:

Diana M. Stapp

Chief of Police:

Gary Ratliff

Executive Director of Development Services

David Hoover

Director of Budget/Project Management

Angie Steelman

Director of Engineering:

Christopher Sims

Director of Finance:

Kristine Polian

Interim Director of Human Resources/Civil Service:

James Brumm

Director of Parks & Cultural Services:

Chien Wei

Director of Public Works:

Jody Hooks

1. **CALL TO ORDER AND ROLL CALL OF MEMBERS**

Mayor Hallisey called the meeting to order at 5:00 p.m. and called the roll. All members of Council were present except Mr. Mann.

Absent 1 - Mr. Andy Mann

Present 7 - Mayor Pat Hallisey, Mr. Hank Dugie, Mr. Larry Millican, Mr. John Bowen, Mr. Justin Hicks, Mr. Chad Tressler and Mr. Nick Long

2. PRESENTATION OF PAVEMENT MANAGEMENT STUDY

Jody Hooks, Director of Public Works introduced James Golden, CEO of Pavement Management Group. The professional services agreement was approved November 2019 in an amount not to exceed \$62,770. Final draft report was delivered October 2020 with several review iterations to follow. COVID-19 impacted completion.

Pavement Assessment Purpose - City is engaged in a multi-year Capital Re-Investment Program for asphalt and concrete roadways. Prioritization was an easy task early on with many roadways in high priority status. The re-investment program has matured, identifying the need for a systematic classification and prioritization tool. Provide a data base of the city's asphalt, concrete, and unimproved gravel roadways. Apply an industry standard condition measuring tool known as a Pavement Condition Index (PCI) to City roads. PCI along with roadway category will be utilized effectively to prioritize Re-Investment program projects.

James Golden, CEO, Pavement Management Group
How data-driven decisions today, lead to better roadways tomorrow.

WHO IS THE PAVEMENT MANAGEMENT GROUP?

Nationwide professional services firm
Provide turn-key pavement management solutions
Originally founded in 2011
Partnered with Madrid CPWG Engineering in 2016
Partnered with Roadata in 2019

WHAT IS PAVEMENT MANAGEMENT?

Software? GIS? Spreadsheet? Database? Pictures? Videos? Maps? Automated? Boots on the Ground? AI? PCI? OCI? PASER? PCR?

A SYSTEMATIC APPROACH TO THE ANNUAL MAINTENANCE AND REPAIR OF YOUR ROADWAY NETWORK

KISS - Keep It Simply Silly. Apply the right treatment, to the right pavement, at the right time.

WHY do I need a system pavement management system? Because what gets measured gets improved

WHAT IS THE GOAL?

Maximize the annual maintenance and repair budget, maximize taxpayer dollars, extending the life of the roadway network, optimizing the conditions of your roadway network.

HOW? A standardized, turn-key solution.

Industry standard software, Complete network inventory, High-definition video, Standard Condition Assessment, GIS integration, Reporting, Pavement modeling, Condition analysis, Budget/target driven scenario, Work/Project planning, online video stream and dashboard, Managed services and support.

PAVER

US Army Corps of Engineer developed, APWA recommended, Distributed and supported, Network accessible for concurrent use, Full system table customization, The most cost effective software platform, Included in PMG's turn-key solution

INVENTORY

An account of your roadways, Networks, branches and sections, Sections are block by block, All section attributes are tagged, Latest work history is recorded.

VIDEO

A complete video catalog, High definition or 4k resolution, Geo located, Streaming video capability, Cost Effective, GoPro Cameras, Wirelessly connected for recording

CONDITION ASSESSMENT

Pavement Condition Index (PCI), ASTM D6433 Standard, 20 Asphalt Distresses, 19 Concrete Distresses, Document Distress Type, Severity and Quality, Establish Condition Categories

ASPHALT DISTRESSES

alligator cracking, bleeding, block cracking, bumps/Sags, corrugation, depression, edge cracking, reflective cracking, lane/shoulder drop, long./trans. cracking, patching, polished aggregate, potholes, railroad crossing, rutting, shoving, slippage cracking, swell, raveling, weathering,

CONCRETE DISTRESSES

Blow up, corner break, divided slab, durability cracking, faulting, joint seal damage, lane/shoulder drop, linear cracking, small patching, large patching, polished aggregate, popouts, pumping, punchout, scaling, railroad crossing, shrink cracking, corner spalling, joint spalling

ROAD CONDITIONS**Excellent condition, PCI Range: 90-100****Good condition PCI Range 70-89****Fair condition, PCI Range 50-69****Poor condition, PCI Range 30-49****Failed condition, PCI Range 0-29****PROJECT SUMMARY****387 centerline miles****817 lane miles****51,737,892 sq feet area****4,200 management sections****Overall network PCI is 79****Overall network condition is good****PROJECT RESULTS –****The entire roadway network, Overall roadway network PCI is 79****Concrete roadway network (88%), overall PCI is 81****Asphalt roadway Network (12%), overall PCI is 68****Functional Classification - Average condition by functional class (slide)****MAP DRIVEN – GIS, Google Earth & RoadInSights from PMG****Online accessible, search by road or address, view inventory attributes, view HD videos, go to a specific video spot, view roadway conditions, identify problem area, online dashboard.****BUDGET DRIVEN SCENARIOS – Five Year Projected Network Conditions****Define maintenance policies, Define maintenance costs, Identify maintenance needs, Compare annual budgets, Compare various strategies, Determine ROI, Set condition targets, Plan projects****RECOMMENDATIONS AND CONTINUED SUPPORT****League City - Enhance preventive/preservation effort, Create more impact and condition ROI, Plan for additional growth & aging roads, Increase annual budget to \$8.2 million, Continue the pavement management effort****PMG - Consulting, training and support, Maintenance recommendations, Budget and target driven scenarios, Data management and managed services, A COMPLETE EXTENSION OF YOUR TEAM!****Jody Hooks, Director of Public Works**

In-House Capabilities (Asphalt)

FDR, Standard Overlay, Pothole Patch, Crack Seal, \$200K-\$225K/ year on Asphalt Rehab and Maintenance, Approximately 1.5 Lane Miles/year, Primarily local roadways +/- 750 ft in length

Asphalt Reinvestment Program

Annual Capital Budget - \$2.375 M, FY20 Package 4 - \$1.9M (17,800 Lf (center line), W. Wilkins, W. Saunders, S. Illinois, S. Iowa, E. Galveston, and S. Kansas), FY21 Package 5 - \$3.7m (21,000 Lf (center line), N. Wisconsin Ave, Wesley, and Glen Cove local streets

Concrete roadways

Capital Reinvestment Program - \$600k/year. Incidental road panels – safety and rideability issues, Approximately 1 lane mile/year.

Capital Roadway Projects – Dickinson Ave, Calder Rd, Ervin St., St. Christopher, Butler, Houston Ave, and Coryell St.

Conclusion:

Staff is currently evaluating PCI data base to make recommendations in the upcoming FY2022 Budget Development Process

Preliminary Recommendations

Enhanced Crack and Joint Seal Program

Enhanced Surface Treatment Program

Enhanced budget for Local and Residential Collector Concrete Roadways

3. PUBLIC COMMENTS

4. ADJOURNMENT

At 5:46 p.m. Mayor Hallisey said, there being no further business this meeting is adjourned.

**PAT HALLISEY
MAYOR**

DIANA M. STAPP
CITY SECRETARY

(SEAL)

MINUTES APPROVED: