

Memorandum



CITY OF DALLAS

DATE January 11, 2019

TO Honorable Mayor and Members of the City Council

SUBJECT **Follow-up from January 2, 2019 City Council Briefing – Infrastructure Management Program (IMP)**

On November 12, 2018 the Mobility Solutions, Infrastructure and Sustainability (MSIS) Committee was briefed on the Public Works Five-Year Infrastructure Management Program (IMP). The IMP was then presented to the Mayor and City Council on January 2, 2018.

As the Mayor and City Council posed a number of questions to City staff during the January 2nd briefing, the purpose of this memorandum is to provide responses to the following outstanding questions:

1. (Mayor Pro Tem Thomas and Council Member Greyson) Suggested that additional funding should be put towards alleys.
Funding levels and desired service outcomes will be considered during the FY 2020 budget process.
2. (Council Member Kingston and Council Member Kleinman) Additional variables such as vehicle counts, street classification, and the addition of new traffic signals should be considered in the decision matrix when selecting proposed street maintenance projects.
Public Works staff has started receiving samples of traffic data sets from the North Central Texas Council of Governments (NCTCOG) to be utilized in its decision matrix. Over the next few months, staff will be preparing a request for proposal for professional services to assess and enhance the City's current paving model.
3. (Council Member McGough) Requested examples of streets rated A-E.
Noting that the PCI ranges of an "A" street are 100-85, "B" streets range from 70-84.9, "C" streets range from 55-69.9, "D" streets range from 40-54.9, and "E" streets, which are considered as failing, range from 0-39.9, the following are examples of streets in conditions A–E.

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Asphalt Pavement



“A” Condition - New street that rides well with little to no cracks.



“B” Condition – Street has aged, ride is still smooth, but temperature cracks or utility cuts have been made.

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“C” Condition - Weather and Structural cracking becomes more prominent, rutting has started to develop.



“D” Condition - Weather and structural cracking begins to widen and expand over 50% of the street, rutting is more pronounced raveling has begun.

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“E” Condition – Alligator (structural) cracking over 25% of the section, frequent potholes and extensive cracking.

Concrete Pavement



“A” Condition – New street that rides well with little to no cracks.

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“B” Condition – Street has aged, ride is still smooth, but temperature cracks or utility cuts may have been made.



“C” Condition - Weather and Structural cracking becomes more prominent.

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“D” Condition - Weather and structural cracking begins to widen and expand up to 50% of the panels.



“E” Condition – Structural cracking covers over 50% of the street and frequent potholes are present.

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4. (Council Member Atkins, Council Member Felder, and Council Member Gates) Requested details for Percent Satisfaction, calculation of Percent Satisfaction, and individual City Council District breakdowns.

The table below provides the requested information.

Lane Miles Listed by Street Condition and Council District								
								Percent Satisfaction Total
Council District	A	B	C	D	E	Total	Total A+B+C	% (A+B+C)/ Total
1	37.39	175.85	303.21	174.68	57.40	748.52	516.45	69.0%
2	54.90	246.44	357.10	182.31	82.35	923.10	658.44	71.3%
3	182.29	379.86	302.67	90.06	27.51	982.39	864.82	88.0%
4	50.53	231.58	378.30	194.62	60.39	915.42	660.41	72.1%
5	50.49	213.45	253.93	136.68	43.96	698.51	517.87	74.1%
6	99.44	344.92	412.26	163.20	42.64	1062.46	856.63	80.6%
7	87.34	309.75	274.68	148.06	45.16	864.98	671.76	77.7%
8	200.04	294.05	207.51	118.59	52.56	872.75	701.60	80.4%
9	45.90	253.34	394.00	187.55	20.19	900.98	693.25	76.9%
10	85.10	314.13	226.98	87.32	18.54	732.07	626.21	85.5%
11	41.51	245.21	215.89	92.11	25.41	620.13	502.60	81.0%
12	90.13	329.35	140.45	52.00	9.55	621.49	559.94	90.1%
13	45.12	350.50	379.44	177.57	50.70	1003.33	775.06	77.2%
14	24.90	151.21	259.25	206.50	93.22	735.07	435.36	59.2%
City Wide	1,095.08	3,839.64	4,105.65	2,011.24	629.59	11,681.20	9,040.38	77.4%

Over the next several months, staff will continue working on the optimal funding levels for alley maintenance and updating of the paving model and will provide an update in May 2019. Should there be any questions or need for clarification, please let me know.

Majed Al-Ghafry, P.E.
 Assistant City Manager

- c: T.C. Broadnax, City Manager
 Chris Caso, City Attorney (I)
 Carol A. Smith, City Auditor (I)
 Bilierae Johnson, City Secretary
 Preston Robinson, Administrative Judge
 Kimberly Bizzor Tolbert, Chief of Staff to the City Manager
- Jon Fortune, Assistant City Manager
 Joey Zapata, Assistant City Manager
 Nadia Chandler Hardy, Assistant City Manager and Chief Resilience Officer
 M. Elizabeth Reich, Chief Financial Officer
 Directors and Assistant Directors