

1 **Work Session of the Sandy Springs City Council was held on Tuesday, June 15, 2021 at 6:00 p.m.,**
2 **Mayor Rusty Paul presiding.**

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4 **I. Invocation** – Rabbi Lauren Henderson, Congregation Or Hadash

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6 **II. Public Works**

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8 **A. 2021-176** Request for Mayor and City Council Consideration of Pavement Condition Index

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10 **William H. Martin Jr., Public Works Director** introduced Mr. Trevor Tripple with MDS Technologies.
11 MDS Technology reviewed the City's paving work through a different set of specifications resulting in a
12 PCI assessment. The presentation before Council is intended to be a baseline to be used for the next three
13 years. The intent is to bring to Council a list of proposed roadways for paving in the next fiscal year.

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15 **Trevor Tripple, MDS Technologies** stated the City maintains nearly 302 center line miles of road. It cost
16 approximately \$1M to replace one mile of a two-lane road. It may be the most valuable asset the City has,
17 as the replacement cost of the City's road network is estimated over \$500M. To plan out the regular
18 maintenance of its roadway network, the City should complete a periodic condition assessment. In late
19 2020, MDS Technologies was brought on board to conduct that assessment. MDS implemented a pavement
20 management system which is composed of inventorying the entire Sandy Springs road network, assessing
21 the road conditions scientifically, and estimating a required budget to achieve the city goals. MDS uses
22 ASTM D6433-18, which is a standard that is created by the American Standard for Testing Materials used
23 by hundreds of municipalities and counties. Each street is evaluated based on the type, severity, and extent
24 of the distress. All of that data is combined to create a Pavement Condition Index (PCI) which ranges from
25 0-100 with 0 being the absolute terrible condition and 100 being brand new. Sandy Springs PCI summary
26 ranges with 43.8% being good, 28.1% Satisfactory, 18.4% Fair, 7.6% Poor, 1.4% Very Poor, 0.7% Serious,
27 <0.1% Failed. The average PCI for the City of Sandy Springs is 79.8 with 9.7% being Poor or Lower and
28 71.9% are Good or Satisfactory. Timely maintenance can reduce costs. Low costs surface treatments can
29 be done in early deterioration, but if maintenance is delayed, intervention become increasingly costly. MDS
30 recommends that the City budget \$5.2M each year it will maintain its road network in its current condition.
31 It is recommended that the City re-evaluate every 2-3 years with the same method of evaluation. Also, the
32 City should continue with its mill and inlay program and implement a proactive consistent maintenance
33 program (e.g. Rejuvenator, IIA5, Microsurfacing, etc...).

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35 **Mayor Rusty Paul** asked does the City currently seal roadways. If we had a consistent product it would
36 save money and maintain a higher level of service.

37
38 **Public Works Director Martin** stated Staff has tried many different techniques that has netted varying
39 results. The City has not yet adopted a consistent maintenance methodology, which Staff would like to do
40 over the next several years. A microsurface would deliver a different looking product than a traditional mill
41 and overlay. So we would need to be selective about the streets we apply that to.

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43 **Council Member Paulson** stated the Pavement Condition Index provided by MDS is about 10% higher
44 than studies the City has done in the past. What is the difference?

45
46 **Mr. Tripple** stated the difference is in the evaluation techniques used. It seems the City's previous
47 evaluations were done with a proprietary method that included ride quality measurements. Ride quality
48 measurements are not part of the ASTM standard. Moving forward, it is important that the evaluation
49 technique that is used is the same every time.

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51 **Council Member Tibby DeJulio** asked was an evaluation of the curbs, gutters and the like included in this
52 study?

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54 **Public Works Director Martin** stated this study included pavement, roadway striping, guardrails and
55 traffic signs. Gutters and curbs are evaluated during active paving projects. Historically, with storm
56 drainage and catch basins, in advance of the roadway paving piece, the Stormwater Unit will evaluate each
57 of the routes and necessary repairs.

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59 **Mayor Paul** asked how did you arrive at the \$5.2M annual budget recommendation to maintain the City's
60 roadways?

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62 **Mr. Tripple** replied MDS used a model to predict PCI scores over 10 years, along with a review of types
63 of rehabilitation and their unit costs typically recognized by the City.

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65 **III. City Council Discussion Items**

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67 There being no further business, the meeting adjourned **6:23 p.m.**

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69 Approved: July 20, 2021.

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74 Russell K. Paul, Mayor

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74 Raquel D. González, City Clerk