



**VILLAGE OF MAYWOOD
CAPITAL INFRASTRUCTURE NEEDS
January 2, 2024**

1. Alley Improvements	
Background and Need:	The Village maintains 157 alleys in total, with 64 of the alleys comprised of stone and in need of a paved surface. The stone alleys are a source of frequent complaints regarding dust, potholes, and flooding issues. Maintenance of the stone alleys is particularly demanding. See <i>Exhibit 1 and 1a</i> for more detail.
Priority Projects:	All 64 remaining Stone Alleys
Total Cost:	\$23,631,000

2. Roadway Improvements									
Background and Need:	The Village maintains 59.5 miles of roadway. The Chicago Metropolitan Agency for Planning (CMAP) recently performed a Village wide pavement analysis. The average Pavement Condition Index (PCI) rating was 48/100, which is described as "poor". There is a major backlog of roadways to be improved in order to raise the overall condition to 78/100 "satisfactory". The recommended program to complete the improvements includes 12.6 million dollars annually over a period of 5 years. The roadways are a frequent source of complaints regarding potholes and flooding issues. See <i>Exhibit 2</i> for more information.								
Total Cost:	\$78,500,000								
Priority Projects:	<table border="0"> <tr> <td>Van Buren Street - 17th Avenue to 9th Avenue</td> <td align="right">\$2,401,000</td> </tr> <tr> <td>Randolph Street - 21st Avenue to 1st Avenue</td> <td align="right">\$6,078,000</td> </tr> <tr> <td>Rice Street - 9th Avenue to 1st Avenue</td> <td align="right">\$2,401,000</td> </tr> <tr> <td>Village-Wide "Value Resurfacing Project" (Various Streets in need of resurfacing only) - See <i>Exhibit 2a</i> for more information.</td> <td align="right">\$9,744,000</td> </tr> </table>	Van Buren Street - 17th Avenue to 9th Avenue	\$2,401,000	Randolph Street - 21st Avenue to 1st Avenue	\$6,078,000	Rice Street - 9th Avenue to 1st Avenue	\$2,401,000	Village-Wide "Value Resurfacing Project" (Various Streets in need of resurfacing only) - See <i>Exhibit 2a</i> for more information.	\$9,744,000
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Priority Projects (Eligible for Federal Funds):	<table border="0"> <tr> <td>19th Avenue - Madison Street to Oak Street</td> <td align="right">\$4,332,000 *</td> </tr> <tr> <td>9th Avenue - Madison Street to St. Charles Road</td> <td align="right">\$2,708,000 **</td> </tr> </table>	19th Avenue - Madison Street to Oak Street	\$4,332,000 *	9th Avenue - Madison Street to St. Charles Road	\$2,708,000 **				
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*Denotes project has been programmed to receive \$2,433,000 in Surface Transportation Program (STP) Federal Funds. However, due to industry cost increases and the need for concurrent water main and lead water service replacement, the additional funds needed are listed above. See <i>Exhibit 2b</i> for more information.									
**Denotes project is eligible to receive STP Federal Funds but is not currently programmed. The amount listed is for 100% of the project. We have applied for federal funding, however this project would not be programmed until 2028 at the earliest. This project also includes a multimodal transportation component (proposed bicycle route to connect to Washington Boulevard).									

3. Water System Improvements											
Background and Need:	The Village maintains 60.2 miles of water main. A majority of the water system is "original" cast iron pipe installed between 1900 and 1920, and is in need of replacement. The water system is prone to frequent disruption due to water main breaks, limited fire fighting capacity, and is subject to a high percentage of "non-revenue" water loss. Additionally, the recent Lead and Copper Rule Revision (LCRR) has increased the total funds needed for complete replacement. The water system is a frequent source of complaints due to system interruptions and corresponding pavement damage/repair holes. See <i>Exhibit 3</i> for priority projects.										
Total Cost:	Village wide replacement of all 4" and 6" Water Main, with full Lead Water Service replacement (including private side to house), and Water Meter Replacement \$218,616,000										
Priority Projects:	<table border="0"> <tr> <td>Village wide replacement of all Lead Water Services (standalone, approximately 5,500 each)</td> <td align="right">\$77,000,000</td> </tr> <tr> <td>Advanced Metering Infrastructure (AMI) - Village wide Water Meter Replacement and Modernized Automated Electronic Reading System</td> <td align="right">\$5,760,000</td> </tr> <tr> <td>First Avenue Water Main Replacement - Roosevelt Road to Bataan Drive</td> <td align="right">\$2,649,000</td> </tr> <tr> <td>Harvard Street Water Main Replacement - 25th Avenue to 17th Avenue</td> <td align="right">\$2,576,000</td> </tr> <tr> <td>11th Avenue Water Main Replacement - Madison Street to St. Charles Road</td> <td align="right">\$4,080,000</td> </tr> </table>	Village wide replacement of all Lead Water Services (standalone, approximately 5,500 each)	\$77,000,000	Advanced Metering Infrastructure (AMI) - Village wide Water Meter Replacement and Modernized Automated Electronic Reading System	\$5,760,000	First Avenue Water Main Replacement - Roosevelt Road to Bataan Drive	\$2,649,000	Harvard Street Water Main Replacement - 25th Avenue to 17th Avenue	\$2,576,000	11th Avenue Water Main Replacement - Madison Street to St. Charles Road	\$4,080,000
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4. Sewer System Improvements							
Background and Need:	The Village's combined sewer system was installed primarily in the 1920's and is undersized. As a result of the undersized sewer, basement sewer backups are a frequent occurrence which result in property damage, disruption, and reduction in property values, upon each rain event. Furthermore, the central section of the Village along I-290 does not have a storm relief sewer whatsoever and is most often overwhelmed.						
Total Cost:	\$43,512,000						
Priority Projects:	<table border="0"> <tr> <td>I-290 Corridor Storm Sewer Separation - Phases IA-IV (See <i>Exhibit 4</i> for more information)</td> <td align="right">\$24,130,000</td> </tr> <tr> <td>Village-wide Flood Control Assistance (Check Valve Installation)</td> <td align="right">\$16,500,000 ***</td> </tr> <tr> <td>Village-wide Sewer Cleaning and Televising</td> <td align="right">\$2,882,000</td> </tr> </table>	I-290 Corridor Storm Sewer Separation - Phases IA-IV (See <i>Exhibit 4</i> for more information)	\$24,130,000	Village-wide Flood Control Assistance (Check Valve Installation)	\$16,500,000 ***	Village-wide Sewer Cleaning and Televising	\$2,882,000
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Village-wide Flood Control Assistance (Check Valve Installation)	\$16,500,000 ***						
Village-wide Sewer Cleaning and Televising	\$2,882,000						
***It is assumed that approximately 50% of the Village would require and/or participate in this item.							

5. Safety Projects							
Background and Need:	The Village is interested in improving safety by reducing criminal activity as well as reducing pedestrian/vehicular accidents.						
Total Cost:	\$2,166,000						
Priority Projects:	<table border="0"> <tr> <td>Prairie Path Lighting and Safety Improvements (See <i>Exhibit 5</i> for more information)</td> <td align="right">\$1,871,000 ****</td> </tr> <tr> <td>Garfield School Pedestrian Safety Improvements (See <i>Exhibit 5a</i> for more information)</td> <td align="right">\$295,000</td> </tr> <tr> <td>Village-wide Sidewalk Replacement (10%)</td> <td align="right">\$4,488,000</td> </tr> </table>	Prairie Path Lighting and Safety Improvements (See <i>Exhibit 5</i> for more information)	\$1,871,000 ****	Garfield School Pedestrian Safety Improvements (See <i>Exhibit 5a</i> for more information)	\$295,000	Village-wide Sidewalk Replacement (10%)	\$4,488,000
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Village-wide Sidewalk Replacement (10%)	\$4,488,000						
****This project is eligible for ITEP funding to assist with 80% of the costs, if awarded.							

6. Streetscape Projects					
Background and Need:	The Village is eligible to submit applications for Illinois Transportation Enhancement Program (ITEP) funds on a biannual basis. Certain commercial corridors would be eligible for streetscape, decorative, and aesthetic enhancements in an effort to enhance business environments.				
Total Cost:	\$4,250,000				
Priority Projects:	<table border="0"> <tr> <td>Roosevelt Road ITEP Improvements - 1st Avenue to 13th Avenue</td> <td align="right">\$4,000,000 *****</td> </tr> <tr> <td>Gateway Signage</td> <td align="right">\$250,000</td> </tr> </table>	Roosevelt Road ITEP Improvements - 1st Avenue to 13th Avenue	\$4,000,000 *****	Gateway Signage	\$250,000
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*****Project is eligible for ITEP funding to assist with certain costs, if awarded.					

7. Regional Projects							
Background and Need:	The Village is part of a regional corridor intersected by the Union Pacific Railroad / Metra, a Strategic Regional Arterial Route - 1st Avenue, and Interstate 290. There are certain regional improvements to consider as well as matching funds required by the Village for such regional improvements.						
Total Cost:	\$38,000,000						
Priority Projects:	<table border="0"> <tr> <td>Grade Separation at 1st Avenue and UPRR - Feasibility Study</td> <td align="right">\$200,000</td> </tr> <tr> <td>Grade Separation at 1st Avenue and UPRR - Construction</td> <td align="right">\$36,000,000</td> </tr> <tr> <td>I-290 Improvements - Village Cost Sharing for I-290 Improvements including certain Professional Services, Traffic Signals, Lighting, Aesthetics, Noise Walls, Utilities as relate to the Village of Maywood</td> <td align="right">\$1,800,000</td> </tr> </table>	Grade Separation at 1st Avenue and UPRR - Feasibility Study	\$200,000	Grade Separation at 1st Avenue and UPRR - Construction	\$36,000,000	I-290 Improvements - Village Cost Sharing for I-290 Improvements including certain Professional Services, Traffic Signals, Lighting, Aesthetics, Noise Walls, Utilities as relate to the Village of Maywood	\$1,800,000
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Grand Total Cost: **\$408,675,000**

Note: The above project costs are for construction only, unless otherwise described. Budgetary costs for Professional Engineering Services are an additional 15%.