

Exhibit A (191403 and 191404)  
Authorized and Unissued Notes and Bonds

<u>Purpose</u>	<u>Resolution File No.</u>	<u>Adoption Date or Budget Year</u>	<u>Notes</u>	<u>Bonds</u>
<b>Renewal &amp; Development Projects</b>				
Business Improvement Districts	161117	1/18/17	32,164.02	32,164.02
Housing Infrastructure Preservation Fund	191393	1/21/20	100,000.00	100,000.00
Commercial Investment Program (Facade)	171355	1/17/18	348,689.00	348,689.00
Commercial Investment Program (Facade)	181353	1/15/19	500,000.00	500,000.00
Commercial Investment Program (Facade)	191393	1/21/20	1,000,000.00	1,000,000.00
Brownfield Program	191393	1/21/20	250,000.00	250,000.00
Concentrated Blight Elimination	191393	1/21/20	2,200,000.00	2,200,000.00
Code Compliance Program	191393	1/21/20	800,000.00	800,000.00
Community Resource Hub Program (COP)	191393	1/21/20	200,000.00	200,000.00
Emergency Housing	191393	1/21/20	300,000.00	300,000.00
<b>Library Improvements</b>				
2016 Central Library Imp. Fund	151260	1/19/16	37,708.00	37,708.00
2017 Central Library Imp. Fund	161115	1/18/17	173,180.00	173,180.00
2018 Central Library Imp. Fund	171353	1/17/18	745,000.00	745,000.00
2019 Central Library Imp. Fund	181351	1/15/19	750,000.00	750,000.00
2020 Central Library Imp. Fund	191391	1/21/20	890,000.00	890,000.00
2017 Neighborhood Library Imp Fund	161115	1/18/17	1,253.00	1,253.00
2020 Neighborhood Library Imp Fund	191391	1/21/20	400,000.00	400,000.00
2016 Branch Library New Construction	151260	1/19/16	32,000.00	32,000.00
2017 Branch Library New Construction	161115	1/18/17	1,227,806.00	1,227,806.00
2018 Branch Library New Construction	171353	1/17/18	1,487,632.00	1,487,632.00
2019 Branch Library New Construction	181351	1/15/19	1,400,000.00	1,400,000.00
<b>Public Buildings</b>				
ADA Compliance Program	171354	1/17/18	1,400,824.00	1,400,824.00
ADA Compliance Program	191392	1/21/20	500,000.00	500,000.00
Space Planning - Facilities - Notes	171354	1/17/18	63,513.00	
Space Planning - Facilities	191392	1/21/20	200,000.00	
Facility Systems Program	181352	1/15/19	632,188.00	632,188.00
Facility Systems Program	191392	1/21/20	1,100,000.00	1,100,000.00
Facilities Exterior Upgrade Program	181352	1/15/19	319,418.00	319,418.00
Facilities Exterior Upgrade Program	191392	1/21/20	1,100,000.00	1,100,000.00
Environmental Remediation Program	181352	1/15/19	21,024.00	21,024.00
Environmental Remediation Program	191392	1/21/20	100,000.00	100,000.00
City Hall Foundation & Hollow Walk	181352	1/15/19	6,979,785.00	6,979,785.00
City Hall Foundation & Hollow Walk	191392	1/21/20	8,500,000.00	8,500,000.00
DOA: IT Upgrades	161116	1/18/17	250,035.00	250,035.00
DOA: IT Upgrades	171354	1/17/18	200,000.00	200,000.00
DOA: IT Upgrades	181352	1/15/19	300,000.00	300,000.00
DOA: IT Upgrades	191392	1/21/20	125,000.00	125,000.00
2017 Health: Facilities Capital Projects	161116	1/18/17	78,076.00	78,076.00
2018 Health: Facilities Capital Projects	171354	1/17/18	155,000.00	155,000.00
2019 Health: Facilities Capital Projects	181352	1/15/19	155,000.00	155,000.00
2020 Health: Facilities Capital Projects	191392	1/21/20	250,000.00	250,000.00
Court: CATS and Website Upgrade	161116	1/18/17	64,710.00	64,710.00
North Point Lake Tower Restoration	171354	1/17/18	49,991.00	49,991.00
Brine Makers	191392	1/21/20	150,000.00	150,000.00
Assessor: Assessment Software	161116	1/18/17	350,000.00	350,000.00
DOA: Lagan Upgrade	151258	1/19/16	71,292.00	71,292.00
DOA: Corporate Database Upgrade	161116	1/18/17	200,000.00	200,000.00
DOA: Better Building Challenge	181352	1/15/19	88,047.00	88,047.00
Health: Lead Paint Prevention	191392	1/21/20	340,000.00	340,000.00

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<b>Public Buildings (continued)</b>				
Assessor: Modernization	161116	1/18/17	170,000.00	170,000.00
Assessor: Modernization	171354	1/17/18	170,000.00	170,000.00
Health: Lab Equipment	161116	1/18/17	56,274.00	56,274.00
Health: Lab Equipment	171354	1/17/18	165,000.00	165,000.00
Health: Lab Equipment	181352	1/15/19	265,000.00	265,000.00
Health: Lab Equipment	191392	1/21/20	100,000.00	100,000.00
DOA: Peoplesoft PUM Upgrade	191392	1/21/20	150,000.00	150,000.00
DOA: GIS Street Data Modernization	181352	1/15/19	143,375.00	143,375.00
DOA: CityWatch Replacement	181352	1/15/19	100,000.00	100,000.00
DOA: Phone Voice Recording Replacement	181352	1/15/19	100,000.00	100,000.00
DOA: Office of African AM Affairs Construction	181352	1/15/19	520,031.00	520,031.00
Clerk: CH Room 205 Reception Area Remodel	181352	1/15/19	77,422.00	77,422.00
F&P: Unified CAD Study	191392	1/21/20	5,000,000.00	5,000,000.00
City Hall Elevator	191392	1/21/20	700,000.00	700,000.00
DOA: Fleet Scheduler	191392	1/21/20	400,000.00	400,000.00
DOA: ERP System Replacement	191392	1/21/20	100,000.00	100,000.00
<b>Rubbish</b>				
2017 Major Capital Equipment	161120	1/18/17	498,651.00	498,651.00
2018 Major Capital Equipment	171358	1/17/18	1,384,607.00	1,384,607.00
2019 Major Capital Equipment	181356	1/15/19	4,194,303.00	4,194,303.00
2020 Major Capital Equipment	191396	1/21/20	6,600,000.00	6,600,000.00
Materials Recycling Facility	181356	1/15/19	75,000.00	75,000.00
<b>Harbor</b>				
2017 Pier, Berth & Channel Improv.	161107	1/18/17	100,000.00	100,000.00
2018 Pier, Berth & Channel Improv.	171345	1/17/18	200,000.00	200,000.00
2019 Pier, Berth & Channel Improv.	181343	1/15/19	200,000.00	200,000.00
Dockwall Rehabilitation	171345	1/17/18	200,000.00	200,000.00
Roadway Paving	191384	1/21/20	200,000.00	200,000.00
Rail Track & Service Upgrades	181343	1/15/19	13,345.00	13,345.00
Rail Track & Service Upgrades	191384	1/21/20	275,000.00	275,000.00
ADA Improvements	181343	1/15/19	225,000.00	225,000.00

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<b>Parking Facility Improvements</b>				
2019 Misc Struc/Mech/Elec Maint	181349	1/15/19	49,850.00	49,850.00
2020 Misc Struc/Mech/Elec Maint	191389	1/21/20	50,000.00	50,000.00
1000 N Water	191389	1/21/20	2,000,000.00	2,000,000.00
MacArther Sq Renovation (80170)	171351	1/17/18	1,366,289.00	1,366,289.00
MacArther Sq Renovation (80170)	181349	1/15/19	1,110,000.00	1,110,000.00
MacArther Sq Electrical Upgrade	171351	1/17/18	20,758.00	20,758.00
MacArther Sq Electrical Upgrade	181349	1/15/19	1,300,000.00	1,300,000.00
MacArther Sq Façade	181349	1/15/19	753,423.00	753,423.00
Surface and Tow Lot Repaving	151242	1/19/16	114,646.00	114,646.00
Surface and Tow Lot Repaving	161113	1/18/17	130,000.00	130,000.00
Surface and Tow Lot Repaving	171351	1/17/18	50,000.00	50,000.00
Surface and Tow Lot Repaving	181349	1/15/19	50,000.00	50,000.00
Surface and Tow Lot Repaving	191389	1/21/20	75,000.00	75,000.00
Milwaukee Michigan Parking Structure Repairs	151242	1/19/16	39,175.00	39,175.00
Single Space Parking Meters	171351	1/17/18	1,055,733.00	1,055,733.00
Revenue control & Access	151242	1/19/16	50,000.00	50,000.00
ADA Compliance	181349	1/15/19	100,000.00	100,000.00
ADA Compliance	191389	1/21/20	100,000.00	100,000.00
Special Equipment	191389	1/21/20	500,000.00	500,000.00
<b>Fire Stations &amp; Improvements</b>				
2017 Major Capital Equipment	161111	1/18/17	974,977.00	974,977.00
2018 Major Capital Equipment	171350	1/17/18	1,106,000.00	1,106,000.00
2019 Major Capital Equipment	181347	1/15/19	1,652,538.00	1,652,538.00
2020 Major Capital Equipment	191388	1/21/20	1,200,000.00	1,200,000.00
Auxiliary Power Supply	161111	1/18/17	42,684.00	42,684.00
Auxiliary Power Supply	181347	1/15/19	85,000.00	85,000.00
2017 Fire Facilities Maint Program	161112	1/18/17	196,014.00	196,014.00
2018 Fire Facilities Maint Program	171349	1/17/18	349,000.00	349,000.00
2019 Fire Facilities Maint Program	181348	1/15/19	962,000.00	962,000.00
Fire Digital Radio	151241	1/19/16		
BMD9 to Fire Records Management 8/21/19	151241	1/19/16	130,000.00	130,000.00
Fire Records Management	151241	1/19/16	314,614.00	314,614.00
Fire Repair Shop Improvements	161112	1/18/17	432,759.00	432,759.00
SCBA Replacement	181347	1/15/19	500,000.00	500,000.00
SCBA Replacement	191388	1/21/20	750,000.00	750,000.00
<b>Police Facilities</b>				
Remodel Admin Bldg Offices	161110	1/18/17	1,488,294.00	1,488,294.00
District Station Repairs	171348	1/17/18	62,552.00	62,552.00
District Station Repairs	191387	1/21/20	500,000.00	500,000.00
RMS System	171348	1/17/18	500,000.00	500,000.00
Uninterruptable Power Supply	161110	1/18/17	21,782.00	21,782.00
Upgrade CAD system	151239	1/19/16	770,363.00	770,363.00
Upgrade CAD system	181346	1/15/19	500,000.00	500,000.00
Interview Room Camera	171348	1/17/18	150,000.00	150,000.00
911 and Phone System Upgrade	171348	1/17/18	2,000,000.00	2,000,000.00
Police Vehicles	181346	1/15/19	2,280,048.00	2,280,048.00
Police Vehicles	191387	1/21/20	3,495,000.00	3,495,000.00
Telephone Switch Hardware Upgrade	181346	1/15/19	300,000.00	300,000.00
CMS Upgrade	181346	1/15/19	300,000.00	300,000.00
DataCom Center AHU	181346	1/15/19	999,282.00	999,282.00
Project Greenlight	181346	1/15/19	375,000.00	375,000.00

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<b>Bridges &amp; Viaducts</b>				
State & Federally Aided Bridges BR3	171342	1/17/18	525,000.00	525,000.00
State & Federally Aided Bridges BR3	181340	1/15/19	100,000.00	100,000.00
Bridge Reconstruction - Local BR1	161104	1/18/17	4,594,890.00	4,594,890.00
Bridge Reconstruction - Local BR1	171342	1/17/18	5,900,000.00	5,900,000.00
Bridge Reconstruction - Local BR1	181340	1/15/19	5,350,000.00	5,350,000.00
Bridge Reconstruction - Local BR1	191381	1/21/20	3,700,000.00	3,700,000.00
<b>Street Improvements</b>				
Street Lighting	181341	1/15/19	5,150,977.00	5,150,977.00
Street Lighting	191382	1/21/20	10,700,000.00	10,700,000.00
State & Federally Aided Streets	171344	1/17/18	5,763,000.00	5,763,000.00
State & Federally Aided Streets	181342	1/15/19	5,514,000.00	5,514,000.00
State & Federally Aided Streets	191383	1/21/20	7,760,000.00	7,760,000.00
Street Improvements - Sidewalk	181342	1/15/19	995,369.00	995,369.00
Street Improvements - Sidewalk	191383	1/21/20	500,000.00	500,000.00
Street Reconstruction, Regular Pgm	171344	1/17/18	3,342,502.00	3,342,502.00
Street Reconstruction, Regular Pgm	181342	1/15/19	6,200,000.00	6,200,000.00
Street Reconstruction, Regular Pgm	191383	1/21/20	6,000,000.00	6,000,000.00
Alley Reconstruction Program	161106	1/18/17	200,000.00	200,000.00
Alley Reconstruction Program	171344	1/17/18	500,000.00	500,000.00
Alley Reconstruction Program	191383	1/21/20	600,000.00	600,000.00
Underground Electrical Manholes	181342	1/15/19	541,840.00	541,840.00
Underground Electrical Manholes	191383	1/21/20	600,000.00	600,000.00
Conduit & Manholes (private related use)	151232	1/19/16	736,000.00	736,000.00
Conduit & Manholes (private related use)	171344	1/17/18	600,000.00	600,000.00
Conduit & Manholes (private related use)	181342	1/15/19	1,800,000.00	1,800,000.00
Conduit & Manholes (private related use)	191383	1/21/20	1,000,000.00	1,000,000.00
Traffic Control Facilities	181342	1/15/19	1,604,579.00	1,604,579.00
Traffic Control Facilities	191383	1/21/20	2,925,000.00	2,925,000.00
High Impact Program	181342	1/15/19	6,489,938.00	6,489,938.00
High Impact Program	191383	1/21/20	8,000,000.00	8,000,000.00
Public Facility Communications	181342	1/15/19	451,320.00	451,320.00
Public Facility Communications	191383	1/21/20	483,000.00	483,000.00
Lead Service Line Replacement Program	181342	1/15/19	3,100,000.00	3,100,000.00
Lead Service Line Replacement Program	191383	1/21/20	1,800,000.00	1,800,000.00
Multimodal Transportation	191383	1/21/20	1,200,000.00	1,200,000.00
<b>Parks &amp; Public Grounds</b>				
MKE Plays Initiative	181345	1/15/19	159,311.00	159,311.00
MKE Plays Initiative	191386	1/21/20	300,000.00	300,000.00
<b>Special Assessments</b>				
Special Assessments	191397	1/21/20	2,530,000.00	
<b>School Purposes</b>				
2017 Authorization	161114	1/18/17	2,000,000.00	2,000,000.00
2018 Authorization	171352	1/17/18	2,000,000.00	2,000,000.00
2019 Authorization	171352	1/17/18	2,000,000.00	2,000,000.00
2020 Authorization	191390	1/21/20	2,000,000.00	2,000,000.00

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<b>Sewer Maintenance Fund</b>				
Relief & Relay SM495	161108	1/18/17	1,122,401.52	1,122,401.52
Relief & Relay SM495	171346	1/17/18	26,000,000.00	26,000,000.00
Relief & Relay SM495	181344	1/15/19	24,500,000.00	24,500,000.00
Relief & Relay SM495	191385	1/21/20	24,500,000.00	24,500,000.00
I&I Reduction Projects SM494	151234	1/19/16	4,500,000.00	4,500,000.00
I&I Reduction Projects SM494	161108	1/18/17	5,000,000.00	5,000,000.00
I&I Reduction Projects SM494	171346	1/17/18	5,000,000.00	5,000,000.00
I&I Reduction Projects SM494	181344	1/15/19	2,000,000.00	2,000,000.00
I&I Reduction Projects SM494	191385	1/21/20	2,000,000.00	2,000,000.00
Water Quality Initiatives SM499	151234	1/19/16	497,236.00	497,236.00
Water Quality Initiatives SM499	161108	1/18/17	1,000,000.00	1,000,000.00
Water Quality Initiatives SM499	171346	1/17/18	1,500,000.00	1,500,000.00
Water Quality Initiatives SM499	181344	1/15/19	800,000.00	800,000.00
Water Quality Initiatives SM499	191385	1/21/20	800,000.00	800,000.00
2016 Flood Mitigation SM497	151234	1/19/16	3,215,002.00	3,215,002.00
2017 Flood Mitigation SM497	161108	1/18/17	848,363.00	848,363.00
Downspout Disconnection	181344	1/15/19	1,899,289.00	1,899,289.00
Downspout Disconnection	191385	1/21/20	2,000,000.00	2,000,000.00
<b>Water Works Borrowing</b>				
2017 Replace Mains, Hydrants, & Valves	161119	1/18/17	8,282,476.59	8,282,476.59
BMD9 to 2018 Pump Facilities	161119	1/18/17	1,530,509.00	1,530,509.00
BMD9 to 2018 Pump Facilities	161119	1/18/17	3,429,178.00	3,429,178.00
2018 Replace Mains, Hydrants, & Valves	171357	1/17/18	13,251,707.00	13,251,707.00
2019 Replace Mains, Hydrants, & Valves	181355	1/15/19	25,607,222.00	25,607,222.00
2020 Replace Mains, Hydrants, & Valves	191395	1/21/20	28,451,772.00	28,451,772.00
2017 Linwood Plant Building	161119	1/18/17	500,000.00	500,000.00
2019 Linwood Plant Building	181355	1/15/19	800,000.00	800,000.00
2020 Linwood Plant Building	191395	1/21/20	400,000.00	400,000.00
2018 Linwood Plant Treatment	171357	1/17/18	1,550,000.00	1,550,000.00
2019 Linwood Plant Treatment	181355	1/15/19	1,350,000.00	1,350,000.00
2020 Linwood Plant Treatment	191395	1/21/20	300,000.00	300,000.00
2017 Howard Plant Building	161119	1/18/17	405,433.00	405,433.00
2019 Howard Plant Building	181355	1/15/19	350,000.00	350,000.00
2020 Howard Plant Building	191395	1/21/20	150,000.00	150,000.00
2018 Howard Plant Treatment	171357	1/17/18	800,000.00	800,000.00
2019 Howard Plant Treatment	181355	1/15/19	678,924.00	678,924.00
2020 Howard Plant Treatment	191395	1/21/20	100,000.00	100,000.00
2019 Pump Facilities Improvements	181355	1/15/19	1,850,000.00	1,850,000.00
2020 Pump Facilities Improvements	191395	1/21/20	10,700,000.00	10,700,000.00
2020 Lead Service Lines - Special Assessment	191395	1/21/20	1,300,000.00	
<b>Tax Incremental Districts</b>				
New TID's 2016	151259	1/19/16	7,204,158.67	7,204,158.67
Capitalized Interest 2016	151259	1/19/16	4,900,000.00	4,900,000.00
New TID's 2017	161118	1/18/17	17,034,217.56	17,034,217.56
Capitalized Interest 2017	161118	1/18/17	4,000,000.00	4,000,000.00
New TID's 2018	171356	1/17/18	40,000,000.00	40,000,000.00
Capitalized Interest 2018	171356	1/17/18	4,000,000.00	4,000,000.00
New TID's 2019	181354	1/15/19	40,000,000.00	40,000,000.00
Capitalized Interest 2019	181354	1/15/19	4,000,000.00	4,000,000.00
New TID's 2020	191394	1/21/20	40,000,000.00	40,000,000.00
Capitalized Interest 2020	191394	1/21/20	4,000,000.00	4,000,000.00

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Delinquent Tax Financing - Notes	191398	1/21/20	37,000,000.00	
Contingent Borrowing				
Water - LSL Principal Forgiveness	171927	5/8/18	8,742,898.29	
Current year Unallocated		2020	175,000,000.00	175,000,000.00
CDBG	191400	1/21/20	25,000,000.00	25,000,000.00
Dropped per authorizing resolution				
Refunding				
Refund Direct Loans	191403	1/21/20	96,124,312.00	96,124,312.00
Refund 2010 T3, 2010 B5, 2011 B4, 2011 T5	191399	1/21/20	90,150,000.00	90,150,000.00
Total			1,012,196,949.65	962,360,538.36