

HASTUS Maintenance & Support Agreement

Adam Harrington Director, Service Development Transportation Committee October 28, 2019



Transit system scheduling

- 3,200 employees
 - 1,500 bus operators
 - 120 rail operators
- 5 bus garages, 900 buses
- 2 Light Rail Facilities, 91 LRVs
- 130 transit routes
 - 6,000 weekday trips
 - 7,500 weekday plat hrs
- 260,000 daily rides



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HASTUS Overview - Scheduling

- Software to support critical transit functions
 - Bus and rail schedule writing
 - Efficient allocation of buses and operators
- Interface with operations and customer information systems
- Ability to conduct "what-if" analysis

g csc01 - Manage Crew Schedules - [EMET Weekday 1 AUG19 Base] *														
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Crew schedule: EMET			ET	Weekday		01	Base							
Duty	Туре	Nc	Routes	Start	End	Duration	Platfor	2a	3a	4a	5a	6a	7a	8a
8001	1P08		992/21	156a	936a	7h40	7h40 58	<u>,</u>	11		7h40,			11
8002	1P08		64/62/71	312a	1108a	7h56	7h56	1	<u>þ</u> —	1 11 1	1 1	1 1 1	6/ 16	69
8003	2P08		74/68	314a	801a	4h47	7h50			111	4h47/	1649	1 01	d I
8004	1P08		54/21/71	348a	1122a	7h34	7h34		48	1 1	1 11		7 <mark>h34/</mark> 01	1584
8005	2P08		3	349a	742a	3h53	8h22		49	1	3h53/	1017	42	
8006	1P08		54/64	354a	1141a	7h47	7h47		54	┝──		1 11	42 ¹ 7h47/	153
8007	1P09		63	405a	1254p	8h49	8h49		05	<u>h</u> —	1 11		8	h49/
8008	2P08		65	408a	918a	5h10	8h08		0	h		5h10/	1631	
8009	1P09		63	410a	1248p	8h38	8h38		-	ĥ—				h38/
8010	1P08		74	411a	1232p	8h21	8h21			h	1 11	1 11	8h	21/
8011	1P09		64/54	412a	114p	9h02	9h02			,i—	1 1			9h02
8012	1P09		67	412a	142p	9h30	9h30		· ·	Į.	10 11			9h3
8013	1P10		65	419a	225p	10h06	10h06			[]-		[1
8014	1P08		71/62	420a	1238p	8h18	8h18			20				h18/
8015	2P08		3	420a	812a	3h52	8h22			Ī			019	Б
8016	2P08		54	427a	858a	4h31	8h24			20		4h31/		Ť.
8017	1P10		74	432a	232p	10h00	10h00			32	<u> </u>			
8018	2P08		62/71	435a	946a	5h11	8h20			1		5h1	1/ 16	71
8019	1P10		63	435a	244p	10h09	10h09			35				
8020	1P08		74	437a	1252p	8h15	8h15			1 n			[' ,	8h15
8021	1P08		65	437a	1228p	7h51	7h51			37			7	<u>h51/</u>
8022	2P08		64/272	439a	758a	3h19	8h08			37		h19/ 1	610	<u> </u>
8023	2P08		68	439a	1106a	6h27	8h25			39			58 6h27/	16
8024	1P10		63	440a	254n	10614	10614			39		1111		11

HASTUS Overview – Operations

- Manage daily operations
 - Daily assignment of operators and buses
 - Operator bidding on work and vacations
 - Messages for detours
- Manage operators
 - Accurate payroll records

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HASTUS Workflow

Scheduling

- Quarterly vehicle and operator schedule changes
- Transit Information data

Bus/Rail Operations

- Work selection
- Daily
- assignments
- Detour messages

Payroll

 Accurate payment of operators

HASTUS Timeline

- First implemented in 2004 for Scheduling
- Upgrade to Version 2007; add Operations modules
- Upgrade to Version 2014

Revise Maintenance & Support agreement

- Comply with Council data security requirements
- Ensure support through May 2023
- Future upgrade in early planning stages

Maintenance & Support

- Day-to-day troubleshooting
- Software modifications
 - Compatibility with IS infrastructure
 - Minor functionality changes
 - i.e. Create new pay code for parental leave
 - Staff training

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Requested Action: Item 2019-50

 That the Metropolitan Council authorizes the Regional Administrator to execute a sole source contract with GIRO, Inc. in an amount not to exceed \$1,200,000 to provide maintenance and support service to Metro Transit until May 2023