

Space Program

August 3, 2017

E = Enclosed, O = Open/Workstation, C = Canopy Covered, A = Alcove, X = Exterior

WS# = Workstation Standard #, OF# = Office Space Standard #, CF# = Conference Room Standard #

August 3 program is update of April 26 space program to split out Van Pool, Communication Technology, and Facilities Maintenance

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These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST	2027 (10 Years) PT & Part ST	2032 (15 Years) PT & Part ST	2037 (20 Years) PT Only	2040 PT Only	Remarks
		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area

1a. FLEET SIZE PROJECTIONS

1	Pierce Transit Fleet	160		160		187	217	248	284	308	
2	Standard Buses (30' and 40')	160		154		148	178	209	245	269	Diesel, CNG, electric
3	Electric Buses (35')	0		6		12	12	12	12	12	Electric
4	Articulated (or Double Decker)	0		0		27	27	27	27	27	
5	Vehicle Equivalents (PT)	160		160		201	231	262	298	322	
6	Shuttle	33		33		33	33	33	33	33	All other Shuttle vehicles are maintained & operated by contractor
7	Van Pool	366		366		466	466	516	566	596	
8	Non-Revenue Vehicles	111		111		111	111	111	111	111	No growth anticipated
9	Vehicle Equivalents (PT)	21		21		21	21	21	21	21	Includes only Shuttles
10	Sound Transit Fleet (Assumed)	130		130		87	52	24	0	0	
11	Standard Buses (40' and 45')	120		120		77	42	14	0	0	Assume all 45 foot
12	Articulated (60')	10		10		10	10	10	0	0	
13	Vehicle Equivalents (ST)	135		135		92	57	29	0	0	
14	TOTAL VEHICLE EQUIVELANTS (PT + ST)	316		316		314	309	312	319	343	Site capacity = approx. 320 VES

1b. ADMINISTRATION AND OPERATIONS STAFFING: See Space Program for detail

16	Executive	17		17		17		17		18		18	
17	Administration												
18	Information Technology	17		17		22		23		26		26	
19	Employee Services	7		8		9		10		11		11	
20	Risk Management	6		7		8		9		9		9	
21	Lean & Workforce Development	17		18		22		25		28		28	
22	Finance												
23	Procurement / Project Management / Finance	26		27		28		28		31		31	
24	Service Delivery & Support												
25	Transportation Services - Delivery	11		11		11		13		15		15	Not including Operators
26	Operators (Pierce Transit Fleet Only)	139		139		163		189		247		268	87% of buses (for parking only)
27	Operators (Sound Transit Fleet Only)	113		113		76		45		-		-	87% of buses (for parking only)
28	Transportation Services - Support	15		15		17		17		21		21	
29	Specialized Transportation	33		33		35		35		39		39	See separate listing for Van Pool
30	Van Pool (Specialized Transportation)	8		9		11		11		13		13	
31	Public Safety	9		9		10		10		10		10	
32	Planning & Community Development												
33	Communications / Marketing	10		10		10		10		10		10	
34	Transit Development	11		11		11		11		11		11	
35	Community Development	7		7		7		7		7		7	
36	TOTAL ADMINISTRATION AND OPERATIONS STAFFING	446		451		457		452		496		517	

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1c. MAINTENANCE STAFFING MATRIX

Maintenance Staffing

Executive Director of Maintenance	1		1		1		1		1		1		1			
Sr. Executive Assistant	1		1		1		1		1		1		1			
Communication Technology																
Communication Technology Manager	1		1		1		1		1		1		1			
Communication System Manager	1		1		1		1		1		1		1			
Communication System Technologist	1		1		1		1		1		1		1			
Business Development Administrator	1		1		1		1		1		1		1			
Business Development Assistant	1		1		1		1		1		1		1			
Communications Technician I	6		6		6		6		6		6		6			
Communications Technician II	1		1		1		1		1		1		1			
Fleet Maintenance																
Fleet Manager	1		1		1		1		1		1		1			
Office Assistant	1		1		1		1		1		1		1			
Data Specialist	1		1		1		1		1		1		1			
Warranty Analyst	1		1		1		1		1		1		1			
Fleet Assistant Manager	2		2		2		2		2		2		2			
Day Shift																
Lead Mechanic	1		1		1		1		1		1		1			
Journey Level Mechanic	12		12		12		12		12		12		12			Currently 1 per 25 buses
Equipment Body Repairer	3		3		3		3		3		3		3			Currently 1 per 100 buses
Automotive Technician	3		3		3		3		3		3		3			Currently 1 per 170 automotive vehicles
Service Station Addendant - Auto	4		4		4		4		4		4		4			Currently 1 per 130 automotive vehicles
Laborer	1		1		1		1		1		1		1			
Swing Shift																
Lead Mechanic	1		1		1		1		1		1		1			
Journey Level Mechanic	12		12		12		12		12		12		12			Currently 1 per 25 buses
Equipment Body Repairer	4		4		4		4		4		4		4			Currently 1 per 75 buses
Automotive Technician	4		4		4		4		4		4		4			Currently 1 per 130 automotive vehicles
Service Station Addendant - Bus Lot	2		2		2		2		2		2		2			Currently 1 per 150 buses
Laborer	2		2		2		2		2		2		2			
Graveyard Shift																
Lead Mechanic	1		1		1		1		1		1		1			
Journey Level Mechanic	20		20		20		20		20		20		22			Currently 1 per 15 buses
Service Station Addendant - Inspection	3		3		3		3		3		3		3			Currently 1 per 100 buses
Upholsterer	3		3		3		3		3		3		3			Currently 1 per 100 buses
Fuel & Wash																
Lead Mechanic	1		1		1		1		1		1		1			
Service Station Attendant - Bus	11		11		11		11		11		11		11			Currently 1 per 30 buses
Vehicle Custodian - Bus	10		10		10		10		10		10		10			Currently 1 per 30 buses
Vehicle Custodian - Automotive	5		5		5		5		5		5		5			Currently 1 per 100 automotive vehicles
Component Rebuild																
Component Rebuild Assistant Manager	1		1		1		1		1		1		1			
Lead Mechanic	1		1		1		1		1		1		1			
Journey Level Mechanic	4		4		4		4		4		4		4			Currently 1 per 75 buses

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area														
Warehouse																													
Warehouse Assistant Manager			1				1				1				1			1											
Office Assistant			1				1				1				1			1											
Warehouse Technician II			1				1				1				1			1											
Warehouse Technician I			7				7				6				6			7											
Warehouse Assistant			1				1				1				1			1		Currently 1 per 45 buses									
Warehouse Courier			1				1				1				1			1		Currently 1 per 300 buses									
Facility Maintenance																													
Facilities Manager			1				1				1				1			1											
Office Assistant			1				1				1				1			1											
Facilities Assistant Manager			1				1				1				1			1											
Maintenance Mechanic			6				6				5				5			6		Currently 1 per 50 buses									
Lead Maintenance Mechanic			1				1				1				1			1											
Facilities Custodian I			8				8				7				7			7		Currently 1 per 40 buses									
Facilities Mechanic I			7				7				6				6			7		Currently 1 per 45 buses									
TOTAL MAINTENANCE STAFFING			166				166				152				165			172		176	188								
Day Shift							79	48%			79	48%			76	46%		83	50%		83	48%		83	47%		87	46%	Day Shift + Swing Shift = Maintenance Parking
Swing Shift							33	20%			33	20%			29	18%		32	19%		30	17%		32	18%		35	19%	
Graveyard Shift							27	16%			27	16%			25	15%		25	15%		26	15%		27	15%		29	15%	
Fuel & Wash							27	16%			27	16%			22	13%		25	15%		33	19%		34	19%		37	20%	

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area					

2. SPACE PROGRAM - SUMMARY

SUMMARY (without Sound Transit Buses)					
Executive					
Executive			-		4,736
Shared Space (Administration)					
Shared Spaces			-		16,994
Administration					
Information Technology			-		4,124
Employee Services			-		1,619
Risk Management			-		1,377
Lean & Workforce Development			-		2,296
Finance					
Procurement / PM / Finance			-		3,278
Service Delivery & Support					
Transportation Services - Delivery			-		8,924
Transportation Services - Support			-		4,517
Specialized Transportation			-		3,424
Van Pool (Specialized Transportation)			Incl.		2,049
Public Safety			-		1,609
Planning & Community Development					
Communications			-		3,051
Transit Development			-		2,086
Community Development			-		891
Subtotal Admin / Transportation Building Area			-		60,975

	4,736		4,736		4,736		4,833		4,833								
	16,994		17,426		17,426		19,343		19,343								
	4,556		4,556		4,643		4,902		4,902								
	1,705		1,705		1,791		2,148		2,148								
	1,539		1,539		1,625		1,625		1,625								
	2,685		2,685		2,880		3,236		3,236								
	3,375		3,375		3,375		3,656		3,656							combined open office workspace	
	8,924		8,775		9,168		9,605		10,102							based on current configuration	
	4,739		4,739		4,874		5,381		5,381								
	3,575		3,575		3,726		3,877		3,877							See separate listing for Van Pool	
	2,222		2,222		2,309		2,395		2,395								
	1,744		1,744		1,744		1,744		1,744								
	3,051		3,051		3,051		3,051		3,051								
	2,086		2,086		2,086		2,086		2,086								
	891		891		891		891		891								
	62,822		63,105		64,325		68,773		69,270								

Existing Buildings 4 and 5		
Building 4		
First Floor		18,900
Second Floor		14,900
Total Building 4		33,800
Building 5		
First Floor		12,900
Second Floor		12,900
Total Building 5		25,800
TOTAL BUILDINGS 4 AND 5		59,600

Pierce Transit Base Master Plan Update

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	
Maintenance																
Maintenance Office / Support Spaces			7,974		13,924		13,924		13,924		13,924		13,924		13,924	
General Maintenance			36,750		30,180		36,214		38,854		41,494		47,254		48,574	
Parts Storeroom			12,990		12,320		13,805		15,455		17,160		19,140		20,460	
Component Rebuild			8,561		9,045		9,045		9,045		9,045		9,045		9,045	
Body Repair & Paint			11,243		13,433		20,813		20,813		22,133		22,133		23,453	
Shuttle Maintenance			3,514		4,800		4,800		4,800		4,800		4,800		4,800	
NRV / Van Pool Maintenance			1,188		5,880		6,720		6,720		7,560		7,560		8,400	
Communication Technology			278		9,997		10,151		10,228		10,228		10,228		10,228	
Subtotal Maintenance Building Area			82,498		99,579		115,472		119,839		126,344		134,084		138,884	
Existing Building 1																
First Floor			79,437													
Parts Mezzanine			3,398													
Tire Mezzanine			667													
Less Chassis Wash & Pressure Washer (programmed in Fuel & Wash)			(1,004)													
TOTAL BUILDING 1			82,498													
Fuel and Wash (+ Facilities Maintenance)																
Facilities Maintenance			8,351		10,102		10,102		10,102		10,102		10,102		10,102	
Fuel & Wash			7,434		18,545		20,195		20,195		23,907		23,907		25,557	Includes Chassis Wash & Detail Clean
Subtotal Fuel and Wash Building Area			15,785		28,647		30,297		30,297		34,009		34,009		35,659	
Existing Buildings 2 and 3																
Building 2 (Wash & Building Maintenance)			6,440													
Mezzanine over office area			944													
Parts mezzanine			320													
Plus Chassis Wash & Pressure Washer in Building 1			1,004													
Building 3 (Fuel)			4,293													
Chuck Wagon			2,784													
TOTAL BUILDINGS 2 & 3			15,785													
Subtotal Other Spaces			9,240		13,276		13,276		13,276		13,276		13,276		13,276	Includes outdoor CNG Equip. Area
Agency Vehicle Parking					342,318		392,718		428,908		466,778		511,228		539,858	
Employee / Visitor Parking			-		188,000		202,400		216,800		231,600		252,400		263,600	
Subtotal Parking Areas			-		530,318		595,118		645,708		698,378		763,628		803,458	
Building and Parking Area					558,965		625,415		676,005		732,387		797,637		839,117	
Site Circulation		50%			279,483		312,708		338,003		366,194		398,819		419,559	To be verified during design
Landscape and Setbacks		10%			55,897		62,542		67,601		73,239		79,764		83,912	To be verified during design
Stormwater Management		10%			55,897		62,542		67,601		73,239		79,764		83,912	To be verified during design
Total Site Area (Pierce Transit Only)					950,242		1,063,207		1,149,210		1,245,059		1,355,984		1,426,500	
	Acres				21.81		24.41		26.38		28.58		31.13		32.75	

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SUMMARY (add for Sound Transit Buses) Assumes these spaces are co-located with Pierce Transit Maintenance and Operations Base																
General Maintenance			Incl.		21,720		14,160		10,200		8,880		-		-	
Parts Storeroom			Incl.		7,150		4,785		2,860		1,320		-		-	
Body Repair & Paint			Incl.		15,360		4,320		3,000		3,000		-		-	
Fuel & Wash			Incl.		9,185		7,535		5,473		3,823		-		-	
Subtotal Building Area			-		53,415		30,800		21,533		17,023		-		-	
Agency Vehicle Parking			152,040		152,040		104,020		63,840		32,200		-		-	
Employee Parking (Operators for ST Fleet)					45,200		30,400		18,000		8,400		-		-	
Subtotal Parking Areas			152,040		197,240		134,420		81,840		40,600		-		-	
Building and Parking Area			152,040		250,655		165,220		103,373		57,623		-		-	
Site Circulation		50%	76,020		125,328		82,610		51,687		28,812		-		-	To be verified during design
Landscape and Setbacks		10%	15,204		25,066		16,522		10,337		5,762		-		-	To be verified during design
Stormwater Management		10%	15,204		25,066		16,522		10,337		5,762		-		-	To be verified during design
Total Site Area (add for Sound Transit Buses)			258,468		426,115		280,874		175,734		97,959		-		-	
Acres				9.78		6.45		4.03		2.25		0.00		0.00		
TOTAL SITE AREA (PT + ST)	Acres		-		31.60		30.86		30.42		30.83		31.13		32.75	
Existing Site Areas																
Main Base			829,816													
West Base			155,718													
South Base			515,250													
TOTAL SITE AREA			square ft		1,500,784											
(assuming all on one level)			acres		34.45											

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2. SPACE PROGRAM - DETAIL

Executive											
CEO											
Chief Executive Officer	OF1	400	1	400	1	400					
Assistant to CEO / Board Clerk	WS4	72	2	144	2	144					
Deputy Clerk of the Board	WS4	72	1	72	1	72					
Admin Specialist (front desk)	n/a	-	1	-	1	-					
General Counsel	OF1	400	1	400	1	400					
Senior Legal Assistant	WS4	72	1	72	1	72					
Executive											
Exec Dir of Admin, EEO, Safety	OF2	300	1	300	1	300					
Senior Exec Assistant	WS4	72	1	72	1	72					
Exec Dir of Finance	OF2	300	1	300	1	300					
Senior Exec Assistant	WS4	72	1	72	1	72					
Exec Dir of Service Delivery & Supprt	OF2	300	1	300	1	300					
Senior Exec Assistant	WS4	72	1	72	1	72					
Exec Dir of Planning/Com Dev/DBE	OF2	300	1	300	1	300					
Senior Exec Assistant	WS4	72	1	72	1	72					
Exec Dir of Maintenance	OF2	300	1	300	1	300					
Senior Exec Assistant	WS4	72	1	72	1	72					
Executive Support Spaces											
Board Room		360	1	360	1	360					
File Storage		100	1	100	1	100					
Copy / Work Room		100	1	100	1	100					

1	400	1	400	1	400	1	400	1	400	1	400	
2	144	2	144	2	144	3	216	3	216			
1	72	1	72	1	72	1	72	1	72	1	72	
1	-	1	-	1	-	1	-	1	-	1	-	space shown in shared spaces
1	400	1	400	1	400	1	400	1	400	1	400	
1	72	1	72	1	72	1	72	1	72	1	72	
1	300	1	300	1	300	1	300	1	300	1	300	
1	72	1	72	1	72	1	72	1	72	1	72	
1	300	1	300	1	300	1	300	1	300	1	300	
1	72	1	72	1	72	1	72	1	72	1	72	
1	300	1	300	1	300	1	300	1	300	1	300	currently co-located with operations
1	72	1	72	1	72	1	72	1	72	1	72	currently co-located with operations
1	300	1	300	1	300	1	300	1	300	1	300	
1	72	1	72	1	72	1	72	1	72	1	72	
1	300	1	300	1	300	1	300	1	300	1	300	currently co-located with maintenance
1	72	1	72	1	72	1	72	1	72	1	72	currently co-located with maintenance
1	360	1	360	1	360	1	360	1	360	1	360	Existing = Noble Conference Room
1	100	1	100	1	100	1	100	1	100	1	100	
1	100	1	100	1	100	1	100	1	100	1	100	

Subtotal											3,508
Circulation Factor			35%								1228
Total Executive											4,736

3,508		3,508		3,508		3,580		3,580		3,580	
1228		1228		1228		1253		1253		1253	
4,736		4,736		4,736		4,833		4,833		4,833	

Total Executive Staff			17			17					
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17		17		17		18		18			
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Space Program

August 3, 2017

E = Enclosed, O = Open/Workstation, C = Canopy Covered, A = Alcove, X = Exterior

WS# = Workstation Standard #, OF# = Office Space Standard #, CF# = Conference Room Standard #

August 3 program is update of April 26 space program to split out Van Pool, Communication Technology, and Facilities Maintenance

A B C D E F G H I J K L M N O P Q R S

These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Shared Spaces (Administration)					
2	Entry / Public Use					
3	Entrance Lobby / Reception	1,400	1	1,400	1	1,400
4	Training Rooms					
5	Lg Meeting Rooms (Rainier & St Helens)	1,325	2	2,650	2	2,650
6	Meeting Room Storage	140	2	280	2	280
7	Catering Kitchen	100	1	100	1	100
8	Computer Training Room	950	1	950	1	950
9	Meeting Room Storage	140	1	140	1	140
10	Existing Shared Use / Staff Spaces					
11	Building 4 (existing)					
12	Breakroom / Kitchen	700	1	700	1	700
13	Grand Conference Room (20 persons)	480	1	480	1	480
14	Board Room (12 persons)	-	-	-	1	-
15	Douglas Conference Room (8 persons)	215	1	215	1	215
16	Alder Conference Room (10 persons)	390	1	390	1	390
17	Budget Meeting Room	103	1	103	1	103
18	Operations Meeting Room (8 persons)	135	1	135	1	135
19	Workroom	355		-	1	355
20	Record Storage (Vault)	200		-	1	200
21	Building 5 (existing)					
22	Conference Room (12 persons +)	460	1	460	1	460
23	Conference Room (8 persons)	200	1	200	1	200
24	Breakroom / Kitchen	750	1	750	1	750
25	Future Shared Use / Staff Spaces					
26	Generic Criteria Spaces					
27	Conference Room (4 person) CF1	120	N/A		4	480
28	Conference Room (6 person) CF2	200			4	800
29	Conference Room (8 person) CF3	300			2	600
30	Conference Room (10 person) CF4	400			1	400
31	Generic File Storage					
32	Secure Storage	200			2	400
33	Non-Secure Storage	200			2	400
34	Subtotal					12,588
35	Circulation Factor		35%			4,406
36	Total Shared Spaces (Admin.)					16,994

1	1,400	1	1,400	1	1,400	1	1,400	1	1,400	
2	2,650	2	2,650	2	2,650	2	2,650	2	2,650	
2	280	2	280	2	280	2	280	2	280	
1	100	1	100	1	100	1	100	1	100	
1	950	1	950	1	950	1	950	1	950	
1	140	1	140	1	140	1	140	1	140	
-	-	-	-	-	-	-	-	-	-	
1	700	1	700	1	700	1	700	1	700	
1	480	1	480	1	480	1	480	1	480	
-	-	-	-	-	-	-	-	-	-	included in executive
1	215	1	215	1	215	1	215	1	215	
1	390	1	390	1	390	1	390	1	390	
1	103	1	103	1	103	1	103	1	103	
1	135	1	135	1	135	1	135	1	135	
1	355	1	355	1	355	1	355	1	355	
1	200	1	200	1	200	1	200	1	200	
1	460	1	460	1	460	1	460	1	460	
1	200	1	200	1	200	1	200	1	200	
1	750	1	750	1	750	1	750	1	750	
4	480	5	600	5	600	6	720	6	720	
4	800	5	1,000	5	1,000	6	1,200	6	1,200	
2	600	2	600	2	600	3	900	3	900	
1	400	1	400	1	400	1	400	1	400	
2	400	2	400	2	400	4	800	4	800	
2	400	2	400	2	400	4	800	4	800	
	12,588		12,908		12,908		14,328		14,328	
	4,406		4,518		4,518		5,015		5,015	
	16,994		17,426		17,426		19,343		19,343	

Space Program

August 3, 2017

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A B C D E F G H I J K L M N O P Q R S

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area			
Information Technology																		
Administrative																		
IT Manager/CTO	OF3	225	1	Not Measured	1	225	1	225	1	225	1	225	1	225	1	225	currently in WS	
Asst Mngr Network & Security	OF4	120	1		1	120	1	120	1	120	1	120	1	120	1	120		
Sr Systems Analyst	WS5	64	1		1	64	2	128	2	128	2	128	2	128	2	128		
Network Admin Specialist	WS5	64	1		1	64	2	128	2	128	2	128	2	128	2	128		
Customer Service / Help Desk	WS5	64	1		1	64	1	64	1	64	1	64	1	64	1	64		
IT Cust Service Spec II	WS5	64	3		3	192	5	320	6	384	6	384	6	384	6	384		
IT Cust Service Spec I	WS5	64	1		1	64	1	64	1	64	1	64	1	64	1	64		
Asst Mngr IT System Support	OF4	120	1		1	120	1	120	1	120	1	120	1	120	1	120		
Sr Systems Analyst	WS5	64	6		6	384	7	448	7	448	7	448	9	576	9	576		
Systems Analyst	WS5	64	1		1	64	2	128	2	128	2	128	2	128	2	128		
Support Spaces																		
Server Room		730	1		1	730	1	730	1	730	1	730	1	730	1	730		
IT Conference Room	CF2	200	1		1	200	1	200	1	200	1	200	1	200	1	200	Requested program area	
Vendor Space / Work Area	WS5	64	1		1	64	1	64	1	64	1	64	1	64	1	64	Requested program area	
IT Storage Room		300	1		1	300	1	300	1	300	1	300	1	300	1	300	currently bldg 5	
Shipping / Receiving Area		400	1		1	400	1	400	1	400	1	400	1	400	1	400	Requested program area	
Subtotal																		
Circulation Factor			35%					3,375		3,375		3,439		3,631		3,631		
Total Information Technology																		
4,124																		
Total IT Staff -																		
17																		
22																		
22																		
23																		
26																		
26																		
Employee Services (HR)																		
Administrative																		
Employee Services Manager	OF3	225	1	Not Measured	1	225	1	225	1	225	1	225	1	225	1	225		
Labor Relations Officer	OF4	120	1		1	120	1	120	1	120	1	120	1	120	1	120		
Human Resources Generalist	WS5	64	2		3	192	3	192	3	192	4	256	4	256	4	256		
Human Resources Specialist	WS5	64	3		3	192	5	320	5	320	5	320	5	320	5	320		
Support Spaces																		
Conference Room (Alcohol testing)	CF1	120	-			1	120	1	120	1	120	1	120	1	120	1	120	Requested program area
Conference Room (Interviews)	CF2	200	1			1	200	1	200	1	200	2	400	2	400	2	400	
File Storage (dedicated)		150	1			1	150	1	150	1	150	1	150	1	150	1	150	
Subtotal																		
Circulation Factor			35%						1,263		1,263		1,327		1,591		1,591	
Total Employee Services (HR)																		
1,619																		
Total Employee Services Staff -																		
7																		
8																		
9																		
9																		
10																		
11																		
11																		

Pierce Transit Base Master Plan Update

Space Program

August 3, 2017

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A B C D E F G H

I J K L M N O P Q R S

These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST		
		Qty.	Area	Qty.	Area	
Risk Management						
Administrative						
Risk Manager	OF4	120	1	Not Measured	1	120
Risk Management Asst	WS5	64	1		1	64
Risk Analyst	OF4	120	1		1	120
Claims Administrator	OF4	120	1		2	240
Safety Officer	OF4	120	1		1	120
Safety Service Quality Admin	WS5	64	1		1	64
Support Spaces						
Copy / Printer		100	-		1	100
Conf Room (for eligibility appeals)	CF2	192	-		1	192

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	
1	120	1	120	1	120	1	120	1	120	
1	64	1	64	1	64	1	64	1	64	
2	240	2	240	2	240	2	240	2	240	currently in a WS
2	240	2	240	2	240	2	240	2	240	currently in a WS
1	120	1	120	1	120	1	120	1	120	currently in a WS
1	64	1	64	2	128	2	128	2	128	
1	100	1	100	1	100	1	100	1	100	
1	192	1	192	1	192	1	192	1	192	Requested program area

Subtotal							1,020
Circulation Factor		35%					357
Total Risk Management							1,377

	1,140		1,140		1,204		1,204		1,204
	399		399		421		421		421
	1,539		1,539		1,625		1,625		1,625

Total Risk Management Staff			6			7	
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8		8		9		9		9	
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1	Lean & Workforce Development						
2	Administrative						
3	Lean & Workforce Dev Mgr	OF3	225	1	Not Measured	1	225
4	Workforce Dev Specialist	WS4	72	1		1	72
5	Lean & Workforce Dev Coord	OF4	120	1		1	120
6	Maint. Training Coordinator	WS4	72	1		1	72
7	Bus Safety & Training Supervisor	WS4	72	1		1	72
8	Instructors	WS4	72	8		8	576
9	Relief Instructors	WS4	72	3		4	144
10	Talent Management Administrator	OF4	120	1		1	120
11	Support Spaces						
12	File Storage Room (dedicated)		200	1		1	200
13	Copy / Printer		100	-	1	100	

1	225	1	225	1	225	1	225	1	225	
1	72	1	72	2	144	2	144	2	144	
1	120	1	120	1	120	2	240	2	240	
1	72	1	72	1	72	1	72	1	72	
1	72	1	72	1	72	1	72	1	72	
11	792	11	792	12	864	13	936	13	936	
5	216	5	216	6	216	7	288	7	288	One WS for every 2 reliefs
1	120	1	120	1	120	1	120	1	120	
1	200	1	200	1	200	1	200	1	200	
1	100	1	100	1	100	1	100	1	100	

Subtotal							1,701
Circulation Factor		35%					595
Total Lean & Workforce Dev.							2,296

	1,989		1,989		2,133		2,397		2,397
	696		696		747		839		839
	2,685		2,685		2,880		3,236		3,236

Total Lean & Workforce Dev. Staff			17			18	
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22		22		25		28		28	
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Pierce Transit Base Master Plan Update

Space Program

August 3, 2017

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area

1	Procurement/Proj. Management/Finance								
2	Procurement								
3	Procurement Manager	WS4	72	1	Not Measured	1	72		
4	Purchasing Coordinator	WS4	72	1		1	72		
5	Purchasing Agents	WS4	72	3		3	216		
6	Project Management								
7	Project Management Office Mngr	WS4	72	1		1	72		
8	Senior Project Manager	WS4	72	2		2	144		
9	Project Manager	WS4	72	1		1	72		
10	Project Controls Coord	WS4	72	1		1	72		
11	Finance								
12	Finance Manager	OF4	120	1		1	120		
13	Finance Asst Manager	WS5	64	1		1	64		
14	Senior Accountant	WS5	64	2		2	128		
15	Payroll Specialist	WS5	64	2		2	128		
16	Revenue Supervisor	WS4	72	1		1	72		
17	Account Clerk	WS4	72	2		2	144		
18	Clerical Assistant	WS5	64	3		3	192		
19	Budget Assistant Manager	WS5	64	1		1	64		
20	Budget Coordinator	WS5	64	1		2	128		
21	Business Data Analytics Admin	WS5	64	1		1	64		
22	Operations Data Specialist	WS5	64	1		1	64		
23	Shared Spaces								
24	File Storage		200	-		1	200		
25	Conference Area (Open)	CF1	120	-		2	240		
26	Copy / workroom		100	-		1	100		

1	72	1	72	1	72	1	72	1	72	1	72
1	72	1	72	1	72	1	72	1	72	1	72
3	216	3	216	3	216	4	288	4	288		
1	72	1	72	1	72	1	72	1	72	1	72
2	144	2	144	2	144	3	216	3	216		
1	72	1	72	1	72	1	72	1	72	1	72
1	72	1	72	1	72	1	72	1	72	1	72
1	120	1	120	1	120	1	120	1	120	1	120
1	64	1	64	1	64	1	64	1	64	1	64
2	128	2	128	2	128	2	128	2	128	2	128
2	128	2	128	2	128	3	192	3	192		
1	72	1	72	1	72	1	72	1	72	1	72
3	216	3	216	3	216	3	216	3	216	3	216
3	192	3	192	3	192	3	192	3	192		
1	64	1	64	1	64	1	64	1	64	1	64
2	128	2	128	2	128	2	128	2	128	2	128
1	64	1	64	1	64	1	64	1	64	1	64
1	64	1	64	1	64	1	64	1	64	1	64
1	200	1	200	1	200	1	200	1	200	1	200
2	240	2	240	2	240	2	240	2	240	2	240
1	100	1	100	1	100	1	100	1	100	1	100

27	Subtotal										2,428
28	Circulation Factor		35%								850
29	Total Procurement/PM/Finance										3,278

	2,500		2,500		2,500		2,708		2,708		
	875		875		875		948		948		high existing UAR b/c of space shape
	3,375		3,375		3,375		3,656		3,656		discrepancy here - confirm programs

30	Total Procure/PM/Finance Staff			26		27					
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28		28		28		31		31			
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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area

1	Transportation Service - Delivery						
2	Administrative						
3	Transportation Manager Office	OF3	225	1	Not Measured	1	225
4	Transit Ops Office Assistant	WS1	120	1		1	120
5	Operations Staff						
6	Transit Operator Asst Manager	OF4	120	4		4	480
7	Dispatch Assistant Manager	OF4	120	1		1	120
8	Dispatchers (workstation or shared)	WS2	100	4		4	400
9	File Storage (dedicated)		115	1		1	115
10	Copy / Printer		100	1		1	100
11	Uniform Closet		100	1		1	100
12	Shared Operator Areas						
13	Operators Lounge		700	1		1	700
14	Dining Areas / TV room		900	1		1	900
15	Kitchen / Vending		350	1		1	350
16	Quiet Room		350	1		1	350
17	Exercise Room		400	1		1	400
18	Computer Room		150	1		1	150
19	Paddle Board Pickup		400	1		1	400
20	Mailboxes		250	1		1	250
21	Operator Locker Area		350	1		1	350
22	Men's Restroom		250	1		1	250
23	Women's Restroom		250	1		1	250
24	Women's Locker		190	1		1	190
25	Mother's Room		100	1		1	100
26	Men's Locker		190	1		1	190
27	Dispatch Counter / Sign in		120	1		1	120

1	225	1	225	1	225	1	225	1	225	1	225
1	120	1	120	1	120	2	240	2	240		
4	480	4	480	6	720	6	720	6	720		
1	120	1	120	1	120	1	120	1	120		
4	400	4	400	4	400	5	500	5	500		
1	115	1	115	1	115	1	115	1	115		
1	100	1	100	1	100	1	100	1	100		based on current plan
1	100	1	100	1	100	1	100	1	100		
1	700	1	684	1	691	1	707	1	760		proportional to bus fleet
1	900	1	880	1	889	1	909	1	977		proportional to bus fleet
1	350	1	342	1	346	1	353	1	380		proportional to bus fleet
1	350	1	342	1	346	1	353	1	380		proportional to bus fleet
1	400	1	391	1	395	1	404	1	434		proportional to bus fleet
1	150	1	147	1	148	1	151	1	163		proportional to bus fleet
1	400	1	391	1	395	1	404	1	434		proportional to bus fleet
1	250	1	244	1	247	1	252	1	271		proportional to bus fleet
1	350	1	342	1	346	1	353	1	380		proportional to bus fleet
1	250	1	244	1	247	1	252	1	271		proportional to bus fleet
1	250	1	244	1	247	1	252	1	271		proportional to bus fleet
1	190	1	186	1	188	1	192	1	206		proportional to bus fleet
1	100	1	100	1	100	1	100	1	100		
1	190	1	186	1	188	1	192	1	206		proportional to bus fleet
1	120	1	117	1	118	1	121	1	130		proportional to bus fleet

28	Subtotal						6,610
29	Circulation Factor		35%				2,314
30	Total Transp. Service - Delivery						8,924

	6,610		6,500		6,791		7,115		7,483
	2,314		2,275		2,377		2,490		2,619
	8,924		8,775		9,168		9,605		10,102

31	Total Transp. Serv. - Delivery Staff				11		11				11		11		13		15		15		Not including Operators
32	Operators (for Pierce Transit Fleet Only)				139		139				163		189		216		247		268		87% of bus fleet (for parking only)
33	Operators (for Sound Transit Fleet Only)				113		113				76		45		21		-		-		87% of bus fleet (for parking only)

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		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Transportation Service - Support					
2	Administrative					
3	Transportation Manager	OF4	120	1	1	120
4	Office Assistant	WS5	64	1	1	64
5	Field Supervisors Work Area					
6	Assistant Manager	OF4	120	1	1	120
7	Staff	WS5	64	1	1	64
8	Service Supervisors	WS5	64	3	3	192
9	Training Room		400		1	400
10	Equipment Storage Room		200		1	200
11	Communications Center					
12	Assistant Manager	OF4	120	1	1	120
13	Floor Supervisor w/ Radio Console	WS2	100	1	1	100
14	Dispatch Radio Consoles	WS2	100	6	6	600
15	Kitchenette / Break Area		250	1	1	250
16	Storage / Lockers area		100	1	1	100
17	Customer Service (At TDS)					
18	Supervisor	OF4	120	1	1	120
19	Lead CSR	WS5	64	1	1	64
20	CSR I & CSR II	WS6	48	9	9	432
21	Break Room		200	1	1	200
22	Lost and Found		200	1	1	200

1	120	1	120	1	120	1	120	1	120	
1	64	1	64	1	64	1	64	1	64	
1	120	1	120	1	120	1	120	1	120	
1	64	1	64	1	64	2	128	2	128	
4	256	4	256	4	256	4	256	4	256	Shared workstations??
1	400	1	400	1	400	1	400	1	400	Requested program area
1	200	1	200	1	200	1	200	1	200	Requested program area
1	120	1	120	1	120	1	120	1	120	
1	100	1	100	2	200	3	300	3	300	Added
7	700	7	700	7	700	8	800	8	800	
1	250	1	250	1	250	1	250	1	250	
1	100	1	100	1	100	1	100	1	100	Requested program area
1	120	1	120	1	120	1	120	1	120	call center / offsite at TDS
1	64	1	64	1	64	2	128	2	128	call center / offsite at TDS
9	432	9	432	9	432	10	480	10	480	call center / offsite at TDS
1	200	1	200	1	200	1	200	1	200	Added
1	200	1	200	1	200	1	200	1	200	new program (currently in break room)

23	Subtotal					3,346
24	Circulation Factor		35%			1,171
25	Total Transp. Service - Support					4,517

3,510	3,510	3,610	3,986	3,986	
1,229	1,229	1,264	1,395	1,395	
4,739	4,739	4,874	5,381	5,381	current not a measured value

26	Total Transp. Serv. - Support Staff	15	15		
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17	17	18	21	21	
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A		B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Description		Space Standard		Existing		2017 Baseline PT & ST		These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded											
				Qty.	Area	Qty.	Area	2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks	
								Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area		

Specialized Transportation							
Administrative							
Specialized Transportation Mgr	OF4	120	1	Not Measured	1	120	
Shuttle							
Office Assistant	WS5	64	1		1	64	
Service Supervisors	WS5	64	1		1	64	
Standing Files Supervisor	WS5	64	1		1	64	
Senior Planner Paratransit	WS5	64	1		1	64	
Data Specialists	WS5	64	3		3	192	
Call Center							
Lead CSR	WS5	64	1		1	64	
CSR II	WS6	48	11		11	528	
CSR II (PT)	WS6	48	3		3	144	
Specialized Transp. Dispatchers	WS2	100	3		3	300	
Vanpool							
ADA Eligibility							
ADA Eligibility Administrator	WS1	120	1		1	120	
ADA Eligibility Coordinator	WS1	120	1		1	120	
ADA Eligibility Assistant	WS5	64	2		2	128	
Mobility Coordinator	WS5	64	1		1	64	
Travel Trainers (touchdown WS)	WS2	100	2		2	200	
Secure File Storage (dedicated)		200	1		1	200	
Copy / Printer		100	2		1	100	

1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	currently in office (110 sf)
1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	
1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	
1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	
1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	
3	192	3	192	3	192	3	192	3	192	3	192	3	192	3	192	3	192	
1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	1	64	
12	576	12	576	13	624	14	672	14	672	14	672	14	672	14	672	14	672	
3	144	3	144	3	144	3	144	3	144	3	144	3	144	3	144	3	144	
3	300	3	300	3	300	3	300	3	300	3	300	3	300	3	300	3	300	currently in comm center
																		See separate listing for Van Pool
1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	
1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	1	120	
2	128	2	128	2	128	2	128	2	128	2	128	2	128	2	128	2	128	
2	128	2	128	3	192	4	256	4	256	4	256	4	256	4	256	4	256	
2	200	2	200	2	200	2	200	2	200	2	200	2	200	2	200	2	200	
1	200	1	200	1	200	1	200	1	200	1	200	1	200	1	200	1	200	Requested program area
1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	

24	Subtotal							2,536
25	Circulation Factor		35%					888
26	Total Specialized Transportation							3,424

	2,648		2,648		2,760		2,872		2,872
	927		927		966		1,005		1,005
	3,575		3,575		3,726		3,877		3,877

Confirm existing program areas

27	Total Specialized Transp. Staff		33		33		35		35		37		39		39
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[illegible]

1	Van Pool									
2	Vanpool									
3	Assistant Manager	WSS	64	1		Not Measured	1	64		
4	Vanpool Coordinators	WSS	64	6			6	384		
5	Vanpool Specialist	WSS	64	1			1	64		
6	Additional Office	WSS	64	-			1	64		
7	Conference Room		16	x	25		400	-	1	400
8	Waiting Area		12	x	16		192	-	1	192
9	Copy / Printer						100	1	1	100
10	Vanpool Key / File Storage						250	1	1	250

11	Subtotal							1,518
12	Circulation Factor		35%					531
13	Total Van Pool							2,049

14	Total Van Pool Staff	8	9
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1	64	1	64	1	64	1	64	1	64	
6	384	6	384	6	384	6	384	6	384	
1	64	1	64	1	64	1	64	1	64	
3	192	3	192	4	256	5	320	5	320	
1	400	1	400	1	400	1	400	1	400	Could be shared
1	192	1	192	1	192	1	192	1	192	
1	100	1	100	1	100	1	100	1	100	
1	250	1	250	1	250	1	250	1	250	Near covered entry. Confirm size.

	1,646		1,646		1,710		1,774		1,774	
	576		576		599		621		621	
	2,222		2,222		2,309		2,395		2,395	

11		11		12		13		13	
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A		B		C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S			
Description		Space Standard		Existing		2017 Baseline PT & ST		These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded														Remarks	
				Qty.	Area	Qty.	Area	2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only							
										Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area				
Public Safety																							
Adminstration / Records						Not Measured																	
Public Safety Chief	OF4		120	1			1	120	1	120	1	120	1	120	1	120	1	120	1	120	need input on growth & workstations		
Office Assistant	OF4		120	1			1	120	1	120	1	120	1	120	1	120	1	120	1	120			
Transit Security Specialist	WS5		64	1			1	64	1	64	1	64	1	64	1	64	1	64	1	64			
Records Supervisor	WS5		64	1			1	64	1	64	1	64	1	64	1	64	1	64	1	64			
Records Technician	WS5		64	1			1	64	1	64	1	64	1	64	1	64	1	64	1	64			
ID Photo desk	WS2		100	1			1	100	1	100	1	100	1	100	1	100	1	100	1	100	confirm WS type		
Police Operations																							
Public Safety Seargent	OF4		120	1		1	120	1	120	1	120	1	120	1	120	1	120	1	120				
Public Safety Officer	WS3		90	1		1	90	1	90	1	90	1	90	1	90	1	90	1	90				
Police Check-in (touchdown WS)	WS2		100	1		1	100	2	200	2	200	2	200	2	200	2	200	2	200				
Copy / Printer			100			1	100	1	100	1	100	1	100	1	100	1	100	1	100				
Police Equipment Storage			250	1		1	250	1	250	1	250	1	250	1	250	1	250	1	250	based on current area takeoff, confirm			
Subtotal									1,192		1,292		1,292		1,292		1,292		1,292				
Circulation Factor				35%					417		452		452		452		452		452				
Total Public Safety									1,609		1,744		1,744		1,744		1,744		1,744				
Total Public Safety Staff				9				9		10		10		10		10		10					

Space Program

August 3, 2017

E = Enclosed, O = Open/Workstation, C = Canopy Covered, A = Alcove, X = Exterior

WS# = Workstation Standard #, OF# = Office Space Standard #, CF# = Conference Room Standard #

August 3 program is update of April 26 space program to split out Van Pool, Communication Technology, and Facilities Maintenance

A B C D E F G H I J K L M N O P Q R S

These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	
Communications / Marketing																
Administrative (exec)																
Communications Manager	OF4	120	1	Not Measured		1	120	1	120	1	120	1	120	1	120	in building 4
Government & Community Relations																
Gov't & Community Rel Officer (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	in building 4
Marketing																
Marketing Assistant Manager	OF4	120	1			1	120	1	120	1	120	1	120	1	120	need input on growth & workstations
Sr Marketing Design Specialist (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
SR Marketing Des Specialist Web (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
Marketing Design Specialist (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
Marketing Coord (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
Marketing Service Reps (WS shared)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
ORCA equipment (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
PC Workstation (WS)	WS3	90	1			1	90	1	90	1	90	1	90	1	90	
Storage / File Room (dedicated)		200	1			1	200	1	200	1	200	1	200	1	200	is this dedicated com/mktg storage?
Marketing Production																
Workroom		600	1			1	600	1	600	1	600	1	600	1	600	measured from existing plan
Layout Table		400	1			1	400	1	400	1	400	1	400	1	400	currently in open office
Copy / Printer		100	1			1	100	1	100	1	100	1	100	1	100	
Subtotal							2,260		2,260		2,260		2,260		2,260	
Circulation Factor			35%				791		791		791		791		791	
Total Communications / Market.							3,051		3,051		3,051		3,051		3,051	Check existing
Total Commo / Market Staff			10			10		10		10		10		10		

Space Program

August 3, 2017

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A B C D E F G H I J K L M N O P Q R S

These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

	Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST	2027 (10 Years) PT & Part ST	2032 (15 Years) PT & Part ST	2037 (20 Years) PT Only	2040 PT Only	Remarks
			Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area
1	Transit Development											
2	Administration											
3	Transit Development Manager	OF3	225	1	Not Measured	1	225	1	225	1	225	need to confirm anticipate staff growth
4	Office Assistant	WS4	72	1		1	72	1	72	1	72	
5	Senior Planner	WS4	72	1		1	72	1	72	1	72	
6	Principal Planner	WS4	72	1		1	72	1	72	1	72	
7	Service Planning											
8	Service Planning Asst Manager	OF4	120	1		1	120	1	120	1	120	
9	Senior Planner	WS1	120	2		2	240	2	240	2	240	
10	Planner Analyst	WS4	72	1		1	72	1	72	1	72	
11	Planner II - Bus Stop	WS4	72	1		1	72	1	72	1	72	
12	Scheduler	WS1	120	2		2	240	2	240	2	240	
13	Transit Dev Workroom / plotter		150	1		1	150	1	150	1	150	
14	Storage / File Room (dedicated)		200	1		1	200	1	200	1	200	per plan, confirm requirement
15	Copy / Printer		10	1		1	10	1	10	1	10	
16	Subtotal						1,545		1,545		1,545	
17	Circulation Factor			35%			541		541		541	
18	Total Transit Development						2,086		2,086		2,086	
19	Total Transit Development Staff			11		11		11		11		
1	Community Development											
2	Administration											
3	Community Dev Administrator	OF4	120	1	Not Measured	1	120	1	120	1	120	
4	Special Events Coord	WS5	64	1		1	64	1	64	1	64	
5	Business Partnership Admin	WS5	64	1		1	64	1	64	1	64	
6	Sr. Program Admin/ORCA	OF4	120	1		1	120	1	120	1	120	
7	Sr Employer Services Coord	WS5	64	1		1	64	1	64	1	64	
8	Employer Services Coord	WS5	64	1		1	64	1	64	1	64	
9	Grants Administrator	WS5	64	1		1	64	1	64	1	64	
10	Copy / Printer		100	1		1	100	1	100	1	100	
11	Subtotal						660		660		660	
12	Circulation Factor			35%			231		231		231	
13	Total Community Development						891		891		891	
14	Total Community Develop. Staff			7		7		7		7		

August 3, 2017

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August 3 program is update of April 26 space program to split out Van Pool, Communication Technology, and Facilities Maintenance

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These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

Maintenance Office / Support Spaces									
Executive Director of Maintenance	[E]	12	x	15	180			1	180
Fleet Manager	[E]	12	x	12	144			1	144
Radio Communications Manager	[E]								
Assistant Managers	[E]	10	x	12	120			4	480
Lead Mechanic - Maintenance	[E]	12	x	40	480			1	480
Lead Mechanic - Radio	[E]								
Warranty Administrator	[E]	10	x	12	120			1	120
Open Office									
Sr. Executive Assistant		8	x	8	64			1	64
Data Specialist		8	x	8	64			2	128
Office Assistant		8	x	8	64			3	192
File Area					200			1	200
Conference Room		15	x	35	525			1	525
Copy/Work Room		10	x	15	150			1	150
Office Area (east of auto shop)									
Clerk						1		107	
Copy Area						1		53	
Office						1		121	
Office						1		113	
Supervisor Station						1		262	
Office						1		276	
Office Area (central offices)									
Office						1		173	
Office						1		133	
Office						1		108	
Server						1		184	
Office						1		120	
Open Office						1		212	
Women's Restroom / Locker / Shower	[E]				500	1		332	1
Men's Restroom / Locker / Shower	[E]				1,200	1		963	1
Custodial Room	[E]	8	x	10	80				2
Janitor Closet	[E]					1		75	
Wellness Area		20	x	30	600	1		588	1
Men's Restroom	[E]	8	x	9	72	1		72	1
Women's Restroom	[E]	8	x	9	72	1		72	1

1	180	1	180	1	180	1	180	1	180
1	144	1	144	1	144	1	144	1	144
4	480	4	480	4	480	4	480	4	480
1	480	1	480	1	480	1	480	1	480
1	120	1	120	1	120	1	120	1	120
1	64	1	64	1	64	1	64	1	64
2	128	2	128	2	128	2	128	2	128
3	192	3	192	3	192	3	192	3	192
1	200	1	200	1	200	1	200	1	200
1	525	1	525	1	525	1	525	1	525
1	150	1	150	1	150	1	150	1	150
1	500	1	500	1	500	1	500	1	500
1	1,200	1	1,200	1	1,200	1	1,200	1	1,200
2	160	2	160	2	160	2	160	2	160
1	600	1	600	1	600	1	600	1	600
1	72	1	72	1	72	1	72	1	72
1	72	1	72	1	72	1	72	1	72

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded																		
Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks		
		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area			
Training																		
Safety/Training Office	[E]	12	x	12	144	1	182	1	144	1	144	1	144	1	144	1	144	
Library	[E]	10	x	15	150			1	150	1	150	1	150	1	150	1	150	
AV Storage	[E]	10	x	15	150	1	175	1	150	1	150	1	150	1	150	1	150	
Training Classroom	[E]	30	x	25	750	1	486	1	750	1	750	1	750	1	750	1	750	20 people
Training Bay	[E]	30	x	75	2,250			1	2,250	1	2,250	1	2,250	1	2,250	1	2,250	
Mechanic Lunchroom	[E]	25	x	65	1,625	1	1,055	1	1,625	1	1,625	1	1,625	1	1,625	1	1,625	65 people
Kitchenette / Vending Area	[A]	15	x	25	375	1	272	1	375	1	375	1	375	1	375	1	375	Space for 6 vending machines / refrig.
Subtotal							6,134		10,711		10,711		10,711		10,711		10,711	
Circulation Factor				30%			1,840		3,213		3,213		3,213		3,213		3,213	Verify existing
Total Maint. Office / Support							7,974		13,924		13,924		13,924		13,924		13,924	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded																			
Description	Space Standard				Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
					Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	
General Bus Maintenance (PT fleet only)																			
Running Repair Bays																			
Standard Bus	20	x	55	1,100				8	8,800										
Bay 6S	18	x	55	990	1	990													
Bay 5S	18	x	55	990	1	990													
Bay 4S	18	x	55	990	1	990													
Bay 3S	18	x	55	990	1	990													
Bay 1S	18	x	55	990	1	990													
Bay 12W	18	x	55	990	1	990													
Bay 11W	18	x	55	990	1	990													
Bay 10W	18	x	55	990	1	990													
Bay 9W	18	x	55	990	1	990													
Bay 8W	18	x	55	990	1	990													
Bay 7W	18	x	55	990	1	990													
Bay 6W	18	x	55	990	1	990													
Bay 11S	18	x	55	990	1	990													
Bay 12S	18	x	55	990	1	990													
Bay 2N	18	x	55	990	1	990													
Articulated Bus	20	x	75	1,500			-	-											
Preventive Maintenance Bays																			
Standard Bus	20	x	55	1,100				4	4,400										
Bay 7S	18	x	55	990	1	990													
Bay 8S	18	x	55	990	1	990													
Bay 9S	18	x	55	990	1	990													
Bay 10S	18	x	55	990	1	990													
Bay 5N	18	x	55	990	1	990													
Bay 4N	18	x	55	990	1	990													
Bay 3N	18	x	55	990	1	990													
Articulated Bus	20	x	75	1,500			-	-											
Chassis Dynamometer / Brake Test Bay																			
Bay 1N	20	x	75	1,500				1	1,500										
	18	x	55	990	1	990													
Campaign / Commissioning Bay																			
	20	x	75	1,500				1	1,500										
Communication Technology (CT)																			
Upholstery Bay	20	x	75	1,500				1	1,500										
Upholstery Shop [E]	20	x	55	1,100	1	1,100		1	1,100										
Common Work Area / Brake Shop	20	x	55	1,100	1	656		1	1,100										
Portable Equipment Storage	20	x	55	1,100	1	604		1	1,100										
Bench Stock					1	375													
Drum Storage					1	284													
Chassis Wash Bay																			
Bay 5W					1	954													
Wash Equipment Room [E]																			
Pressure Washer Alcove [A]					1	50													

8	8,800	10	11,000	11	12,100	13	14,300	14	15,400	One per 20 buses								

Space Program

August 3, 2017

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Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area
Tire Repair					
Tire Shop	20 x 55 1,100	1	940	1	1,100
Tire Repair Bay					
Standard Bus	20 x 55 1,100			1	1,100
Bay 4W	- x - -	1	980		
Articulated Bus	20 x 75 1,500				
Tire Storage	20 x 75 1,500			1	1,500
Tire Storage Mezzanine	- x - -	1	667		
Battery Room [E]	10 x 30 300	1	245	1	300
Restroom, Unisex [E]	8 x 8 64				
Restroom, Unisex [E]		1	52		
Tool Crib	10 x 15 150	-	-	1	150

Subtotal					29,677		25,150
Circulation Factor			20%		7,073		5,030
Total General Maintenance (PT)					36,750		30,180

General Bus Maintenance (ST fleet only)							
Running Repair Bays							
Standard Bus	20 x 55 1,100				6	6,600	
Articulated Bus	20 x 75 1,500				1	1,500	
Preventive Maintenance Bays							
Standard Bus	20 x 55 1,100				2	2,200	
Articulated Bus	20 x 75 1,500				1	1,500	
Common Work Area / Brake Shop	20 x 55 1,100				1	1,100	
Portable Equipment Storage	20 x 55 1,100				1	1,100	
Tire Repair							
Tire Shop	20 x 55 1,100				1	1,100	
Tire Repair Bay							
Standard Bus	20 x 55 1,100						
Articulated Bus	20 x 75 1,500				1	1,500	
Tire Storage	20 x 75 1,500				1	1,500	

Subtotal							18,100
Circulation Factor			20%				3,620
Total General Maintenance (ST)					Incl.		21,720

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2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks	
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area		
1	1,100	1	1,100	1	1,100	1	1,100	1	1,100		
	-		-		-		-		-		
1	1,500	1	1,500	1	1,500	2	3,000	2	3,000		
1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	1.5 tires per bus	
1	300	1	300	1	300	1	300	1	300	Consider using pre-fab haz mat bldg.	
2	128	2	128	2	128	2	128	2	128	Located for convenience.	
										Existing near Wellness Area	
1	150	1	150	1	150	1	150	1	150		

	30,178		32,378		34,578		39,378		40,478		
	6,036		6,476		6,916		7,876		8,096		
	36,214		38,854		41,494		47,254		48,574		

4	4,400	2	2,200	1	1,100	-	-	-	-	One per 20 buses	
-	-	-	-	-	-	-	-	-	-	Use Pierce Transit artic RR bays	
2	2,200	1	1,100	1	1,100	-	-	-	-	One per 50 buses	
-	-	-	-	-	-	-	-	-	-	Use Pierce Transit artic PM bays	
1	1,100	1	1,100	1	1,100	-	-	-	-		
1	1,100	1	1,100	1	1,100	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	Use Pierce Transit tire shop	
1	1,500	1	1,500	1	1,500	-	-	-	-		
1	1,500	1	1,500	1	1,500	-	-	-	-	1.5 tires per bus	

	11,800		8,500		7,400		-		-		
	2,360		1,700		1,480		-		-		
	14,160		10,200		8,880		-		-		

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	Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks	
			Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area		
1	Parts Storeroom (PT fleet only)																	
2	Supervisor/Clerk Office	[E]	20	x	20	400	1	312	1	400	1	400	1	400	1	400	3 people	
3	Buyer Office	[E]					1	110										
	Warehouse Technician Office	[E]	15	x	20	300			1	300	1	300	1	300	1	300	3 people. Near parts window area	
4	Storage Closet	[E]					1	40									For Supervisor/Clerk Office	
5	Tool Crib	[E]	15	x	20	300	1	295	1	300	1	300	1	300	1	300		
6	Parts Storeroom																	
7	Ground Floor						1	5,900	1	8,000	1	9,350	1	10,850	1	12,400	50 SF per bus	
8	Mezzanine						1	3,398									Ideally all on the ground floor	
9	Engine Storage	[E]					1	424									In Component Rebuild Area	
10	Shipping & Receiving		20	x	50	1,000	-	Incl.	1	1,000	1	1,000	1	1,000	1	1,000		
11	Parts Window Area		10	x	20	200	-	Incl.	1	200	1	200	1	200	1	200		
12	Covered Storage Area	[C]	20	x	50	1,000	1	1,102	1	1,000	1	1,000	1	1,000	1	1,000		
13	Uncovered Storage Area	[X]					1	228										
13	Subtotal							11,809		11,200		12,550		14,050		15,600		
14	Circulation Factor		10%					1,181		1,120		1,255		1,405		1,560		
15	Total Parts Storeroom (PT)							12,990		12,320		13,805		15,455		17,160		
16	Parts Storeroom (add for Sound Transit)																	
17	Parts Storeroom																	
18	Ground Floor								1	6,500		1	4,350	1	2,600	1	1,200	50 SF per bus
19	Subtotal									6,500		4,350		2,600		1,200		
20	Circulation Factor		10%							650		435		260		120		
21	Total Parts Storeroom (ST)							Incl.		7,150		4,785		2,860		1,320		

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Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Component Rebuild							
2	Component Teardown	[E]			1	715	1	715
3	Component Steam Clean	[E]	15	x 20 300			1	300
4	Minor Component Rebuild				1	1,997	1	1,997
5	Major Component Rebuild				1	1,856	1	1,856
6	Major Component Rebuild				1	1,395	1	1,395
7	Transmission Dynamometer	[E]			1	335	1	335
8	Radio Maintenance				[E]			
9	Electronic Shop	[E]	12	x 20 240	1	107	1	240
10	Electronic Supervisor	[E]	10	x 12 120	1	180	1	120

1	715	1	715	1	715	1	715	1	715	No change
1	300	1	300	1	300	1	300	1	300	
1	1,997	1	1,997	1	1,997	1	1,997	1	1,997	No change
1	1,856	1	1,856	1	1,856	1	1,856	1	1,856	No change
1	1,395	1	1,395	1	1,395	1	1,395	1	1,395	No change
1	335	1	335	1	335	1	335	1	335	No change
										See General Maintenance
1	240	1	240	1	240	1	240	1	240	
1	120	1	120	1	120	1	120	1	120	

11	Subtotal				6,585		6,958
12	Circulation Factor			30%	1,976		2,087
13	Total Component Rebuild				8,561		9,045

	6,958		6,958		6,958		6,958		6,958	
	2,087		2,087		2,087		2,087		2,087	
	9,045		9,045		9,045		9,045		9,045	

1	Body Repair & Paint (PT fleet only)								
2	Body Repair Shop Supervisor	10	x	10	100	1	???	1	100
3	Body Repair Bays								
4	Standard Bus	20	x	55	1,100			4	4,400
5	Bay 3W	20	x	55	1,100	1	1,100		
6	Bay 2W	20	x	55	1,100	1	1,100		
7	Bay 1	20	x	55	1,100	1	994		
8	Bay between Bays 1 and 2W	20	x	55	1,100	1	1,148		
9	Articulated Bus	20	x	75	1,500				
10	Paint Prep Bay	-	x	-	-				
11	Standard Bus	30	x	55	1,650			1	1,650
12	Bay 1W	20	x	55	1,100	1	1,100		
13	Articulated Bus	30	x	75	2,250				
14	Paint Booth								
15	Standard Bus	30	x	60	1,800			1	1,800
16	Bay 2E	-	x	-	-	1	877		
17	Bay between Bays 2E and 1W	-	x	-	-	1	884		
18	Exhaust Enclosures				29	6	174		
19	Articulated Bus	30	x	80	2,400				
20	Sheet Metal Shop (Body Shop)	30	x	60	1,800	1	1,538	1	1,800
21	Component Paint	15	x	20	300	1	115	1	300
22	Paint Mix Room	8	x	10	80	1	67	1	80
23	Portable Equipment Storage	20	x	50	1,000	1	220	1	1,000
24	Restroom, Unisex	8	x	8	64	1	52	1	64

1	100	1	100	1	100	1	100	1	100	
4	4,400	4	4,400	5	5,500	5	5,500	6	6,600	1 per 50 buses
1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	1 per 50 buses
1	1,650	1	1,650	1	1,650	1	1,650	1	1,650	
1	2,250	1	2,250	1	2,250	1	2,250	1	2,250	
1	1,800	1	1,800	1	1,800	1	1,800	1	1,800	
1	2,400	1	2,400	1	2,400	1	2,400	1	2,400	
1	1,800	1	1,800	1	1,800	1	1,800	1	1,800	
1	300	1	300	1	300	1	300	1	300	
1	80	1	80	1	80	1	80	1	80	
1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	
1	64	1	64	1	64	1	64	1	64	

25	Subtotal				9,369		11,194
26	Circulation Factor			20%	1,874		2,239
27	Total Body Repair & Paint (PT)				11,243		13,433

	17,344		17,344		18,444		18,444		19,544	
	3,469		3,469		3,689		3,689		3,909	
	20,813		20,813		22,133		22,133		23,453	

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Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Body Repair & Paint (add for Sound Transit)								
2	Body Repair Bays								
3	Standard Bus	20	x	55	1,100			2	2,200
4	Articulated Bus	20	x	75	1,500			1	1,500
5	Paint Prep Bay								
6	Standard Bus	30	x	55	1,650			1	1,650
7	Articulated Bus	30	x	75	2,250			1	2,250
8	Paint Booth								
9	Standard Bus	30	x	60	1,800			1	1,800
10	Articulated Bus	30	x	80	2,400			1	2,400
11	Portable Equipment Storage	20	x	50	1,000			1	1,000

1	1,100	-	-	-	-	-	-	-	-	1 per 50 buses
1	1,500	1	1,500	1	1,500	-	-	-	-	1 per 50 buses
-	-	-	-	-	-	-	-	-	-	Use one for Pierce Transit
-	-	-	-	-	-	-	-	-	-	Use one for Pierce Transit
-	-	-	-	-	-	-	-	-	-	Use one for Pierce Transit
-	-	-	-	-	-	-	-	-	-	Use one for Pierce Transit
1	1,000	1	1,000	1	1,000	-	-	-	-	

12	Subtotal						12,800
13	Circulation Factor				20%		2,560
14	Total Body Repair & Paint (for ST)				Incl.		15,360

	3,600		2,500		2,500		-		-	
	720		500		500		-		-	
	4,320		3,000		3,000		-		-	

1	Shuttle Maintenance							
2	Repair Bay	20	x	40	800		3	2,400
3	Bay 15W	18	x	55	990	1	990	
4	Bay 14W	18	x	55	990	1	990	
5	Bay 13W	18	x	42	756	1	756	
6	Portable Equipment Storage	20	x	40	800	1	192	800
7	Common Work Area	20	x	40	800		1	800

3	2,400	3	2,400	3	2,400	3	2,400	3	2,400	
										With alignment pit
1	800	1	800	1	800	1	800	1	800	Existing outside of repair bays
1	800	1	800	1	800	1	800	1	800	

8	Subtotal					2,928	4,000
9	Circulation Factor				20%	586	800
10	Total Shuttle Maintenance					3,514	4,800

	4,000		4,000		4,000		4,000		4,000	
	800		800		800		800		800	
	4,800		4,800		4,800		4,800		4,800	

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		Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area

1	NRV / Van Pool Maintenance										
2	NRV / Van Pool Repair Bay	20	x	35	700			5		3,500	
3	Bay 64	18	x	55	990	1		990			
4	Portable Equipment Storage	20	x	35	700			1		700	
5	Common Work Area	20	x	35	700			1		700	

6	4,200	6	4,200	7	4,900	7	4,900	8	5,600	One per 100 vehicles
1	700	1	700	1	700	1	700	1	700	Existing outside of repair bays
1	700	1	700	1	700	1	700	1	700	

6	Subtotal						990		4,900	
7	Circulation Factor				20%		198		980	
8	Total NRV / Van Pool Maint.						1,188		5,880	

	5,600		5,600		6,300		6,300		7,000	
	1,120		1,120		1,260		1,260		1,400	
	6,720		6,720		7,560		7,560		8,400	

1	Communication Technology										
2	Communication Technology Mgr. [E]	12	x	12	144			1		144	
3	Communication System Manager [E]	10	x	12	120			1		120	
4	Communication Technology Office [WS]										
5	Communication System Technologist	8	x	8	64			1		64	
6	Business Development Administrator	8	x	8	64			1		64	
7	Business Development Assistant	8	x	8	64			1		64	
8	Training / Conference Room	15	x	25	375			1		375	
9	Shop Space										
10	CT Workstation	20	x	20	400	1		278	1	400	
11	CT Vehicle Bays	20	x	75	1,500				4	6,000	
12	IT Lab	15	x	20	300				1	300	
13	Storage Space	20	x	40	800				1	800	

1	144	1	144	1	144	1	144	1	144	
1	120	1	120	1	120	1	120	1	120	
										Workstations in one space
3	192	4	256	4	256	4	256	4	256	
1	64	1	64	1	64	1	64	1	64	
1	64	1	64	1	64	1	64	1	64	
1	375	1	375	1	375	1	375	1	375	15 people
1	400	1	400	1	400	1	400	1	400	Adj. to vehicle bays
4	6,000	4	6,000	4	6,000	4	6,000	4	6,000	
1	300	1	300	1	300	1	300	1	300	Secure, separate AC, verify size
1	800	1	800	1	800	1	800	1	800	6-Bay high density pallet system

13	Subtotal						278		8,331	
14	Circulation Factor				20%				1,666	
15	Total Communication Technology						278		9,997	

	8,459		8,523		8,523		8,523		8,523	
	1,692		1,705		1,705		1,705		1,705	
	10,151		10,228		10,228		10,228		10,228	

16 Also, provide a 10' x 10' area on-site for a monopole radio tower, ideally near Communication Technology

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Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Facilities Maintenance										
2	Lead Maintenance Mechanic [E]			1	240						
3	Assistant Maintenance Manager [E]			1	113						
4	Restroom, Unisex [E]	8	x	8	64	1	67	1	64		
5	Safety Officer [E]			1	306						
6	Office [E]			1	165						
7	Office [E]			1	66						
8	Office [E]			1	88						
9	Facilities Manager [E]	10	x	15	150			1	150		
10	Office Assistant [E]	10	x	12	120			1	120		
11	Facilities Assistant Manager [E]	10	x	12	120			1	120		
12	SCADA Workstation [WS]	8	x	8	64			1	64		
13	Building Maintenance Shop [E]			1	1,610						
14	Carpentry / Wood Working Area	20	x	50	1,000			1	1,000		
15	Fabrication Area	20	x	50	1,000			1	1,000		
16	Welding / Metal Working Area	20	x	50	1,000			1	1,000		
17	Building Maintenance Storage [E]			4,000		1	684	1	4,000		
18	Building Maint. Storage Mezz.			1	320						
19	Building Maintenance Breakroom [E]	15	x	20	300			1	300		
20	Building Maintenance Library [E]	20	x	30	600			1	600		
21	Building Maintenance Mezzanine			1	944						
22	Storage (Chuck Wagon) Structure [E]			1	2,784						

1	64	1	64	1	64	1	64	1	64		
											See Administration (Risk)
1	150	1	150	1	150	1	150	1	150		
1	120	1	120	1	120	1	120	1	120		
1	120	1	120	1	120	1	120	1	120		
1	64	1	64	1	64	1	64	1	64		
1	1,000	1	1,000	1	1,000	1	1,000	1	1,000		
1	1,000	1	1,000	1	1,000	1	1,000	1	1,000		
1	1,000	1	1,000	1	1,000	1	1,000	1	1,000		
1	4,000	1	4,000	1	4,000	1	4,000	1	4,000		
1	300	1	300	1	300	1	300	1	300		
1	600	1	600	1	600	1	600	1	600		

23	Subtotal					7,387		8,418			
24	Circulation Factor			20%		964		1,684			
25	Total Facilities Maintenance					8,351		10,102			

	8,418		8,418		8,418		8,418		8,418		
	1,684		1,684		1,684		1,684		1,684		
	10,102		10,102		10,102		10,102		10,102		

Pierce Transit Base Master Plan Update

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These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST	
		Qty.	Area	Qty.	Area

2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks
Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	

1	Fuel & Wash (PT fleet only)									
2	Fuel Position	[C]	25	x	75	1,875			3	5,625
3	Fuel Position 1	[C]	25	x	55	1,375	1	1,375		
4	Fuel Position 2	[C]	25	x	55	1,375	1	1,375		
5	Fuel Position 3	[C]	20	x	55	1,100	1	1,100		
6	Men's Restroom / Lockers	[E]	10	x	15	150	1	58	1	150
7	Women's Restroom / Lockers	[E]	10	x	15	150	1	58	1	150
8	Storage	[E]	10	x	15	150	1	130	1	150
9	Money Counting	[E]								
10	Money Counting Room	[E]	20	x	30	600	1	470	1	600
11	Security Vestibule/Locker	[E]	8	x	15	120	1	70	1	120
12	Restroom, Unisex	[E]	8	x	8	64	1	46	1	64
13	Alcove	[A]	-	x	-	-	1	50		
14	Bus Washer	[E]	20	x	80	1,600	-	-	2	3,200
15	Bus Washer	[E]	-	x	-	-	1	1,364		
16	Water Reclaim	[E]	20	x	50	1,000	1	320	1	1,000
17	Storage	[E]	10	x	15	150	1	146	1	150
18	Drum & Pump Room	[E]	-	x	-	-	1	196		
19	Chassis Wash Bay									
20	Standard Bus	[E]	20	x	55	1,100			1	1,100
21	Articulated Bus	[E]	20	x	75	1,500			-	-
22	Wash Equipment Room	[E]	8	x	10	80			1	80
23	Supervisor Office	[E]	10	x	12	120			1	120
24	Breakroom	[E]	20	x	30	600			1	600
25	Lube / Compressor Room	[E]	15	x	25	375			1	375
26	Vacuum Equipment Room	[E]	15	x	15	225			1	225
27	CNG Equipment Area	[X]								
28	Detail Clean Bays	[C]	20	x	75	1,500			2	3,000
29	Detail Clean Equipment Storage	[E]	10	x	15	150			1	150

3	5,625	3	5,625	4	7,500	4	7,500	4	7,500	One per 75 buses
1	150	1	150	1	150	1	150	1	150	
1	150	1	150	1	150	1	150	1	150	
1	150	1	150	1	150	1	150	1	150	
1	600	1	600	1	600	1	600	1	600	
1	120	1	120	1	120	1	120	1	120	
1	64	1	64	1	64	1	64	1	64	
2	3,200	2	3,200	2	3,200	2	3,200	2	3,200	One per 150 buses
1	1,000	1	1,000	1	1,000	1	1,000	1	1,000	
1	150	1	150	1	150	1	150	1	150	
										See Water Reclaim
1	1,100	1	1,100	1	1,100	1	1,100	1	1,100	
1	1,500	1	1,500	1	1,500	1	1,500	1	1,500	
1	80	1	80	1	80	1	80	1	80	
1	120	1	120	1	120	1	120	1	120	
1	600	1	600	1	600	1	600	1	600	20 people
1	375	1	375	1	375	1	375	1	375	
1	225	1	225	1	225	1	225	1	225	
										See Other Areas
2	3,000	2	3,000	3	4,500	3	4,500	4	6,000	4 hours per bus. 21 day interval. One per 100 buses.
1	150	1	150	1	150	1	150	1	150	

30	Subtotal						6,758		16,859
31	Circulation Factor				10%		676		1,686
32	Total Fuel & Wash (PT Fleet only)						7,434		18,545

	18,359		18,359		21,734		21,734		23,234
	1,836		1,836		2,173		2,173		2,323
	20,195		20,195		23,907		23,907		25,557

Space Program

August 3, 2017

E = Enclosed, O = Open/Workstation, C = Canopy Covered, A = Alcove, X = Exterior

WS# = Workstation Standard #, OF# = Office Space Standard #, CF# = Conference Room Standard #

August 3 program is update of April 26 space program to split out Van Pool, Communication Technology, and Facilities Maintenance

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		
	These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded																				
	Description	Space Standard				Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks	
						Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area		Qty.
1	Fuel & Wash (add for Sound Transit)																				
2	Fuel Position [C]	25	x	75	1,875				2	3,750	2	3,750	1	1,875	1	1,875	-	-	-	-	One per 75 buses
3	Bus Washer [E]	20	x	80	1,600				1	1,600	1	1,600	1	1,600	1	1,600	-	-	-	-	One per 150 buses
4	Detail Clean Bays [C]	20	x	75	1,500				2	3,000	1	1,500	1	1,500	-	-	-	-	-	-	4 hours per bus. 21 day interval. One per 100 buses.
5	Subtotal									8,350		6,850		4,975		3,475		-		-	
6	Circulation Factor				10%					835		685		498		348		-		-	
7	Total Fuel & Wash (add for ST)						Incl.			9,185		7,535		5,473		3,823		-		-	
8	Other Spaces																				
9	Emergency Generator (Administration) [X]	15	x	25	375	1	???		1	375	1	375	1	375	1	375	1	375	1	375	
10	Emergency Generator (Maintenance) [X]	15	x	25	375	1	???		1	375	1	375	1	375	1	375	1	375	1	375	
11	Emergency Generator (Fuel & Wash) [X]	15	x	25	375	1	???		1	375	1	375	1	375	1	375	1	375	1	375	
12	Guard House [E]	8	x	18	144				1	144	1	144	1	144	1	144	1	144	1	144	At site entry. Includes restroom.
13	Dumpster																				
14	Trash [C]	10	x	40	400	1	???		1	400	1	400	1	400	1	400	1	400	1	400	Canopy covered
15	Metal (recycle) [C]	10	x	30	300	1	???		1	300	1	300	1	300	1	300	1	300	1	300	Roll-off with compactor
16	Paper (recycle) [C]	10	x	10	100	1	???		1	100	1	100	1	100	1	100	1	100	1	100	Roll-off
17	CNG Equipment Area [X]	10,000				1	8,400		1	10,000	1	10,000	1	10,000	1	10,000	1	10,000	1	10,000	
18	Subtotal						8,400			12,069		12,069		12,069		12,069		12,069		12,069	
19	Circulation Factor				10%		840			1,207		1,207		1,207		1,207		1,207		1,207	
20	Total Other Spaces						9,240			13,276		13,276		13,276		13,276		13,276		13,276	

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These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded

Description	Space Standard	Existing		2017 Baseline PT & ST		2022 (5 Years) PT & Part ST	2027 (10 Years) PT & Part ST	2032 (15 Years) PT & Part ST	2037 (20 Years) PT Only	2040 PT Only	Remarks
		Qty.	Area	Qty.	Area						

2. SPACE PROGRAM - PARKING**Agency Vehicle Parking (PT only)**

Existing area shown is calculated not actual

Active Fleet											
Bus Parking											
Standard Buses	14	x	40	560	160	89,600	154	86,240			
Standard Buses - Electric	14	x	40	560	-	-	6	3,360			
Articulated Buses	14	x	60	840	-	-	-	-			
Shuttle Vehicles (25')	14	x	25	350	33	11,550	33	11,550			
Van Pool Vehicles	10	x	20	200	57	11,400	57	11,400			
Non-Revenue Vehicles											
Administration/Operations	10	x	20	200	79	15,800	79	15,800			
General Maintenance	10	x	20	200	14	2,800	14	2,800			
Communication Technology	10	x	20	200	1	200	1	200			
Facilities Maintenance	10	x	20	200	25	5,000	25	5,000			
Down Line											
Bus Parking											
Standard Buses	12	x	40	480	16	7,680	15	7,200			
Standard Buses - Electric	12	x	40	480			1	480			
Articulated Buses	12	x	60	720			-	-			
Shuttle Vehicles (25')	12	x	25	300	3	900	3	900			
Van Pool Vehicles	10	x	20	200	7	1,400	7	1,400			
Non-Revenue Vehicles	10	x	20	200	6	1,200	6	1,200			
Reserve Fleet											
Bus Parking											
Standard Buses	12	x	40	480	16	7,680	15	7,200			
Articulated Buses	12	x	60	720	-	-	-	-			
Shuttle Vehicles (25')	12	x	25	300	3	900	3	900			
Van Pool Vehicles	10	x	20	200	7	1,400	7	1,400			
Incoming / Outgoing Vehicles											
Buses	12	x	40	480	25	12,000	25	12,000			
Shuttle Vehicles (25')	12	x	25	300	30	9,000	30	9,000			
Van Pool Vehicles	10	x	20	200	55	11,000	55	11,000			
Non-Revenue Vehicles	10	x	20	200	20	4,000	20	4,000			
Seasonal Vehicles											
Historic Buses	12	x	40	480	1	480	1	480			
Trolley Buses	14	x	30	420	5	2,100	5	2,100			

												including 20% spare ratio
148	82,880	178	99,680	209	117,040	245	137,200	269	150,640			Stack (nose to tail) parked
12	6,720	12	6,720	12	6,720	12	6,720	12	6,720			Stack (nose to tail) parked
27	22,680	27	22,680	27	22,680	27	22,680	27	22,680			Stack (nose to tail) parked
33	11,550	33	11,550	33	11,550	33	11,550	33	11,550			Access to every vehicle
62	12,400	67	13,400	72	14,400	77	15,400	80	16,000			Access to every vehicle
												Access to every vehicle
79	15,800	79	15,800	79	15,800	79	15,800	79	15,800			Access to every vehicle
14	2,800	14	2,800	14	2,800	14	2,800	14	2,800			Access to every vehicle
1	200	1	200	1	200	1	200	1	200			Access to every vehicle
25	5,000	25	5,000	25	5,000	25	5,000	25	5,000			Access to every vehicle
												10% of active fleet
15	7,200	18	8,640	21	10,080	25	12,000	27	12,960			Access to every vehicle
1	480	1	480	1	480	1	480	1	480			Access to every vehicle
3	2,160	3	2,160	3	2,160	3	2,160	3	2,160			Access to every vehicle
3	900	3	900	3	900	3	900	3	900			Access to every vehicle
9	1,800	9	1,800	10	2,000	11	2,200	12	2,400			Access to every vehicle. 2% of active fleet.
6	1,200	6	1,200	6	1,200	6	1,200	6	1,200			Access to every vehicle. 5% of active fleet.
												10% of active fleet. With plug-ins.
15	7,200	18	8,640	21	10,080	25	12,000	27	12,960			Stack (nose to tail) parked
3	2,160	3	2,160	3	2,160	3	2,160	3	2,160			Stack (nose to tail) parked
3	900	3	900	3	900	3	900	3	900			Access to every vehicle
9	1,800	9	1,800	10	2,000	11	2,200	12	2,400			Access to every vehicle. 2% of active fleet.
												Canopy Covered
1	480	1	480	1	480	1	480	1	480			Access to every vehicle
5	2,100	5	2,100	5	2,100	5	2,100	5	2,100			Access to every vehicle

Subtotal						196,090		195,610			
Circulation Factor				75%		147,068		146,708			
Total Agency Vehicle Parking (PT)						343,158		342,318			

	224,410		245,090		266,730		292,130		308,490		
	168,308		183,818		200,048		219,098		231,368		Assumes stack parking at least 6 deep
	392,718		428,908		466,778		511,228		539,858		

August 3, 2017

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
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[illegible]

										Including 20% spare ratio
77	43,120	42	23,520	14	7,840	-	-	-	-	Stack (nose to tail) parked
10	8,400	10	8,400	10	8,400	-	-	-	-	Stack (nose to tail) parked
										10% of active fleet
8	3,840	4	1,920	1	480	-	-	-	-	Access to every vehicle
1	720	1	720	1	720	-	-	-	-	Access to every vehicle
7	3,360	4	1,920	2	960	-	-	-	-	Stack (nose to tail) parked

[illegible]

506	101,200	542	108,400	579	115,800	631	126,200	659	131,800	
	101,200		108,400		115,800		126,200		131,800	
506	202,400	542	216,800	579	231,600	631	252,400	659	263,600	

76	15,200	45	9,000	21	4,200	-	-	-	-	87% of buses
76	15,200	45	9,000	21	4,200	-	-	-	-	
	15,200		9,000		4,200		-	-	-	
76	30,400	45	18,000	21	8,400	-	-	-	-	

A				B		C	D	E	F	G	H	I												J	K	L	M	N	O	P	Q	R	S		
Description				Space Standard				Existing		2017 Baseline PT & ST		These Phases are based on maximizing the use of the Main Base with Building 4 remaining and expanded												2022 (5 Years) PT & Part ST		2027 (10 Years) PT & Part ST		2032 (15 Years) PT & Part ST		2037 (20 Years) PT Only		2040 PT Only		Remarks	
								Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area	Qty.	Area												
7 TOTAL EMPLOYEE / VISITOR PARKING SPACES								540			583			582			587			600			631			659									