



Washington State Patrol Toxicology Laboratory Construction Report

October 2022



SUMMARY

The Washington State Patrol (WSP) received funding from the legislature in order to reduce increasing toxicology case backlogs, improve testing turnaround times, and better serve medical examiner, coroners, law enforcement partners, and prosecutors throughout the State of Washington.

A site for a second Toxicology Laboratory was identified in Federal Way and the laboratory design was completed in 2021. The Tenant Lease was executed in August 2022 and construction then began in earnest. Construction is expected to be completed at the end of January 2023 and forensic toxicology testing capabilities are anticipated to start in July 2023.

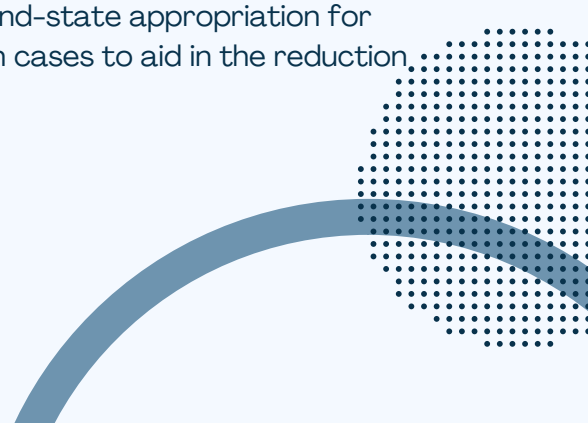
BACKGROUND

The WSP Toxicology Laboratory is the only accredited forensic toxicology program operating in Washington State, providing toxicology testing under the legal authority of RCW 43.43.752. The Toxicology Laboratory provides all necessary toxicology services requested by all coroners, medical examiners, and prosecuting attorneys.

Since 2012, the Toxicology Laboratory has incurred a 45% increase in forensic casework. Insufficient personnel at the time led to significantly increased turnaround times and the beginning of a backlog. The existence of an increasing backlog and lengthy turnaround times for case completion has resulted in unacceptable delays in medical examiners and coroners signing out death certificates. It has also affected the state's ability to prosecute suspected impaired drivers in a timely manner.

In an attempt to address the increasing backlog and turnaround times, additional permanent personnel were received in the 2019-2021 Operating Budget, the 2020 Supplemental Budget and the 2021-2023 Operating Budget. Funding was also provided in the 2020 Supplemental Budget to construct a second Toxicology Laboratory facility, to purchase necessary instrumentation, to hire additional personnel to staff the laboratory and Division, and assist with the outsourcing of death investigation casework until the second laboratory has been built.

In the 2021-2023 Operating Budget, \$1,334,000 of the general fund-state appropriation for FY2022 and \$2,373,000 of the general fund-state appropriation for FY2023 were provided for facility and staff costs associated with construction of a second toxicology laboratory facility in Federal Way. An additional \$213,000 of the general fund-state appropriation for FY2022 was provided for the outsourcing of death investigation cases to aid in the reduction of the current backlog of cases awaiting toxicology testing.



TIMELINE TO DATE

- Site selection for the second Toxicology Laboratory was finalized in September 2020. The laboratory facility will be located in The Sanctuary campus on Weyerhaeuser Way, Federal Way.
- WSP, the Department of Enterprise Services (DES) and the site Developer worked on the Contract/Design/Agreement to Negotiate from October 2020 to September 2021.
- The Design was finalized in September 2021 and the construction proposal went through a competitive bid process. The Developer received final contractor bids in January 2022.
- The Developer projected an initial construction completion date of October 2022.
- Due to the Tenant Lease contract not being signed until August 2022, the Developer revised the projected construction completion date to January 2023.

REPORTING REQUIREMENTS IN ESSB 5693

1. List of expenditures:

- The total General Fund funding re-appropriated from FY2021 was \$1,547,000. This funding was to be spent by the end of June 2022:
 - \$1,334,000 of this amount was allocated for facility costs
 - \$213,000 of this amount was allocated for the outsourcing of death investigation cases
- Facility costs: WSP utilized \$1,303,233 of the \$1,334,000 for facility costs. Items purchased included three analytical instruments and a variety of equipment and supplies needed to conduct casework. Only \$30,767 of the \$1,334,000 remained unspent.
- Outsourcing costs: WSP utilized the full \$213,000 for the outsourcing of approx. 1,000 death investigation cases.
- The total funding appropriated for FY2023 is \$2,373,000. As of August 31, 2022 WSP has utilized \$1,040,556 of this amount for construction and staffing costs.

2. List of expenditures yet to be made:

- The total funding appropriated for FY2023 is \$2,373,000. As indicated above, WSP has utilized \$1,040,556 of this amount for construction and staffing costs. The remaining funding of \$1,332,444 will be spent on further construction/tenant improvement and staffing costs.



3. Updated project timeline with expected end date:

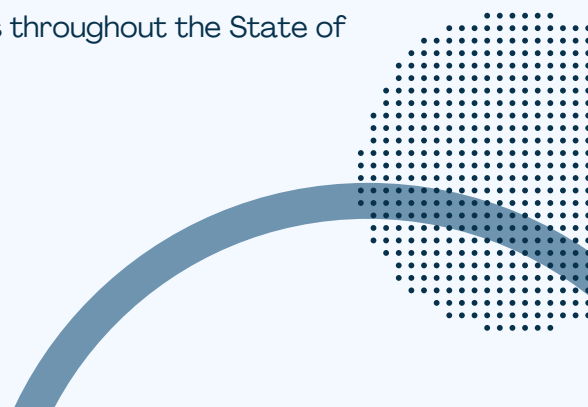
- Construction of the Federal Way Toxicology Laboratory is scheduled to be complete by January 30, 2023.
- Furnishing and outfitting the new laboratory will begin in January and February 2023.
- Per international and national accreditation requirements, validation of all instruments and methods will be performed in approximately March through May 2023.
- Fifteen (15) existing laboratory personnel will relocate to the Federal Way facility during this time period. The remaining seven (7) personnel will begin in the new facility as soon as they are hired (see Question 4 below for further details on these seven positions).
- Evidence will start to be received in approximately June 2023 and forensic testing of casework will begin in approximately July 2023.

4. Other project details:

- Additional funding appropriated in the 2022 Supplemental budget included \$1,193,000 for seven (7) additional FTE's to complete staffing levels in the Federal Way laboratory.
- The seven (7) additional FTE's include: one Laboratory Manager, two Forensic Scientists, one Laboratory Technician, one Property & Evidence Custodian, one Administrative Assistant, and one Forms & Records Analyst:
 - The Property & Evidence Custodian, Administrative Assistant, and Forms & Records Analyst positions are in the interview/polygraph-background stage of hiring.
 - Due to lack of available space in the current Seattle facility, the Laboratory Manager, Forensic Scientists, and Laboratory Technician positions cannot be hired until the Federal Way facility is fully constructed and outfitted. It is anticipated that the hiring process for these positions will begin in December 2022.
- Once hired, all of the above positions will be able to start immediately. The exception to this are the two Forensic Scientists who will require extensive training. The two Forensic Scientists will be able to contribute to casework approximately 6-9 months after they are hired and conduct independent casework approximately 12-15 months after hiring.

CONCLUSION

WSP remains fully committed to the intent of this legislature-approved project, which is to reduce case backlogs, improve testing turnaround times, and better serve medical examiner/coroners, law enforcement partners, and prosecutors throughout the State of Washington.

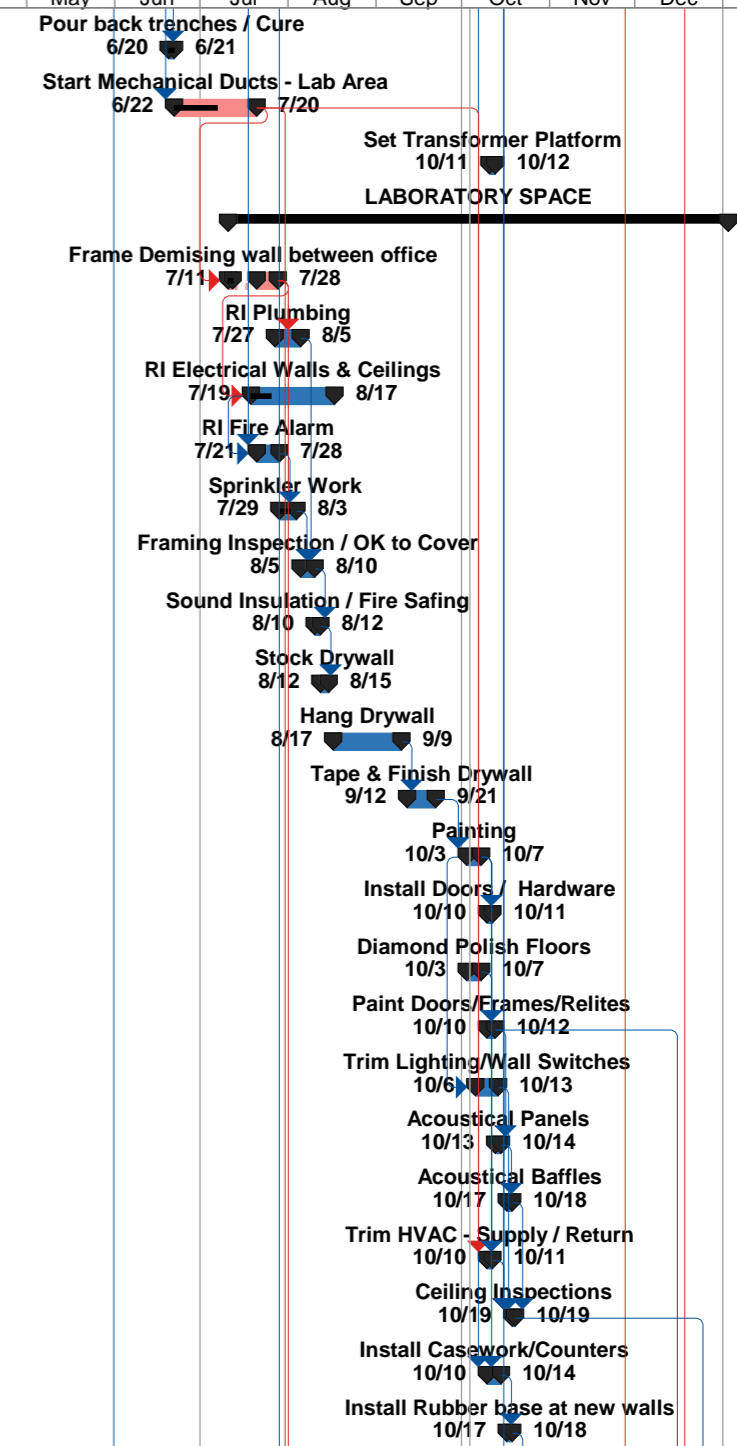


ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names	Qtr 1, 2022			Qtr 2, 2022			Qtr 3, 2022			Qtr 4, 2022			Qtr 1, 2023			
									Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
1		WSP Tox Lab	296 days?	Tue 12/21/21	Mon 2/13/23				WSP Tox Lab															
2	✓	PRECONSTRUCTION	74 days	Tue 12/21/21	Fri 4/1/22				PRECONSTRUCTION															
3	✓	Final Precon / Contract	74 days	Tue 12/21/21	Fri 4/1/22		5		Final Precon / Contract															
4		PROCUREMENT	180 days	Mon 4/4/22	Wed 12/14/22				PROCUREMENT															
5	✓	GC Contracts Issued	5 days	Mon 4/4/22	Fri 4/8/22	3	6,7,8,17FS+10 days,15FS+3 days		GC Contracts Issued 4/4 - 4/8															
6	✓	Fire Sprinkler Design	10 days	Mon 4/11/22	Fri 4/22/22	5	14		Fire Sprinkler Design 4/11 - 4/22															
7	✓	Fire Alarm Design	10 days	Mon 4/11/22	Fri 4/22/22	5	14		Fire Alarm Design 4/11 - 4/22															
8		General Submittals for Approval	10 days	Mon 4/11/22	Fri 4/22/22	5	9,10,11,13,12		General Submittals for Approval 4/11 - 4/22															
9		Laboratory Equipment	30 wks	Mon 4/25/22	Wed 11/23/22	8	52		Laboratory Equipment 4/25 - 11/23															
10		Walk-in Cooler	20 wks	Mon 4/25/22	Wed 9/14/22	8	51		Walk-in Cooler 4/25 - 9/14															
11		Mechanical (Various)	12 wks	Mon 4/25/22	Tue 7/19/22	8	102		Mechanical (Various) 4/25 - 7/19															
12		Generator / ATS	33 wks	Mon 4/25/22	Wed 12/14/22	8	123		Generator / ATS 4/25 - 12/14															
13		Other (To Be expanded)	6 wks	Mon 4/25/22	Mon 6/6/22	8	49		Other (To Be expanded) 4/25 - 6/6															
14		Sprinkler / Fire Alarm Permits	6 wks	Mon 4/25/22	Mon 6/6/22	6,7	33		Sprinkler / Fire Alarm Permits 4/25 - 6/6															
15		Other MEP Permits - Verify w/Owner	6 wks	Thu 4/14/22	Wed 5/25/22	5FS+3 days	48		Other MEP Permits - Verify w/Owner 4/14 - 5/25															
16		CONSTRUCTION	175 days?	Wed 5/25/22	Mon 1/30/23				CONSTRUCTION															
17	✓	Moibilzation	3 days	Wed 5/25/22	Fri 5/27/22	5FS+10 days	19SS,82,18SS		Moibilzation 5/25 - 5/27															
18	✓	Interior Wall and Plumbing Layout	2 days	Wed 5/25/22	Thu 5/26/22	17SS			Interior Wall and Plumbing Layout 5/25 - 5/26															
19	✓	Make Safe Electrical/ Mechanical	3 days	Tue 5/31/22	Thu 6/2/22	17SS	20SS+1 day		Make Safe Electrical/ Mechanical 5/31 - 6/2															
20	✓	Select Demolition (ceiling/walls)	2 days	Fri 6/3/22	Mon 6/6/22	19SS+1 day	27FS+10 days,21		Select Demolition (ceiling/walls) 6/3 - 6/6															
21	✓	Saw-Cutting & Slab Demo	3 days	Mon 6/6/22	Wed 6/8/22	20	22		Saw-Cutting & Slab Demo 6/6 - 6/8															
22	✓	Excavate for Plumbing	2 days	Thu 6/9/22	Fri 6/10/22	21	23		Excavate for Plumbing 6/9 - 6/10															
23	✓	Plumbing Underground	3 days	Mon 6/13/22	Wed 6/15/22	22	24		Plumbing Underground 6/13 - 6/15															
24	✓	Inspections	1 day	Thu 6/16/22	Thu 6/16/22	23	25		Inspections 6/16 - 6/16															
25	✓	Prep For Trench Pour backs	1 day	Fri 6/17/22	Fri 6/17/22	24	26		Prep For Trench Pour backs 6/17 - 6/17															

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Task		External Tasks		Duration-only		External Tasks		Deadline	
Split		External Milestone		Manual Summary Rollup		External Milestone			
Milestone		Inactive Milestone		Manual Summary		Critical			
Summary		Inactive Summary		Start-only		Critical Split			
Project Summary		Manual Task		Finish-only		Progress			

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names	Dec	Qtr 1, 2022			Qtr 2, 2022			Qtr 3, 2022			Qtr 4, 2022			Qtr 1, 2023	
										Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
26	✓	Pour back trenches / Cure	2 days	Mon 6/20/22	Tue 6/21/22	25																	
27		Start Mechanical Ducts - Lab Area	4 wks	Wed 6/22/22	Wed 7/20/22	20FS+10 days	47,103,30																
28		Set Transformer Platform	2 days	Tue 10/11/22	Wed 10/12/22																		
29		LABORATORY SPACE	124 days	Mon 7/11/22	Mon 1/2/23																		
30		Frame Demising wall between office	7 days	Mon 7/11/22	Thu 7/28/22	27	31FS-1 day,32FS-1 day,58																
31		RI Plumbing	7 days	Wed 7/27/22	Fri 8/5/22	30FS-1 day	35																
32		RI Electrical Walls & Ceilings	20 days	Tue 7/19/22	Wed 8/17/22	30FS-1 day	33SS+2 days																
33		RI Fire Alarm	6 days	Thu 7/21/22	Thu 7/28/22	32SS+2 days,14	34																
34		Sprinkler Work	4 days	Fri 7/29/22	Wed 8/3/22	33	35																
35		Framing Inspection / OK to Cover	3 days	Fri 8/5/22	Wed 8/10/22	31,34	36																
36		Sound Insulation / Fire Safing	2 days	Wed 8/10/22	Fri 8/12/22	35	37																
37		Stock Drywall	1 day	Fri 8/12/22	Mon 8/15/22	36																	
38		Hang Drywall	17 days	Wed 8/17/22	Fri 9/9/22		39																
39		Tape & Finish Drywall	8 days	Mon 9/12/22	Wed 9/21/22	38	40FS+1 day																
40		Painting	5 days	Mon 10/3/22	Fri 10/7/22	39FS+1 day	44SS+3 days,47,49,41																
41		Install Doors / Hardware	2 days	Mon 10/10/22	Tue 10/11/22	40																	
42		Diamond Polish Floors	5 days	Mon 10/3/22	Fri 10/7/22		43																
43		Paint Doors/Frames/Relites	3 days	Mon 10/10/22	Wed 10/12/22	42	126,45																
44		Trim Lighting/Wall Switches	6 days	Thu 10/6/22	Thu 10/13/22	40SS+3 days	48																
45		Acoustical Panels	2 days	Thu 10/13/22	Fri 10/14/22	43	46																
46		Acoustical Baffles	2 days	Mon 10/17/22	Tue 10/18/22	45	48																
47		Trim HVAC - Supply / Return	2 days	Mon 10/10/22	Tue 10/11/22	40,27	48																
48		Ceiling Inspections	1 day	Wed 10/19/22	Wed 10/19/22	44,47,15,46	130																
49		Install Casework/Counters	5 days	Mon 10/10/22	Fri 10/14/22	13,40	50																
50		Install Rubber base at new walls	2 days	Mon 10/17/22	Tue 10/18/22	49	51																



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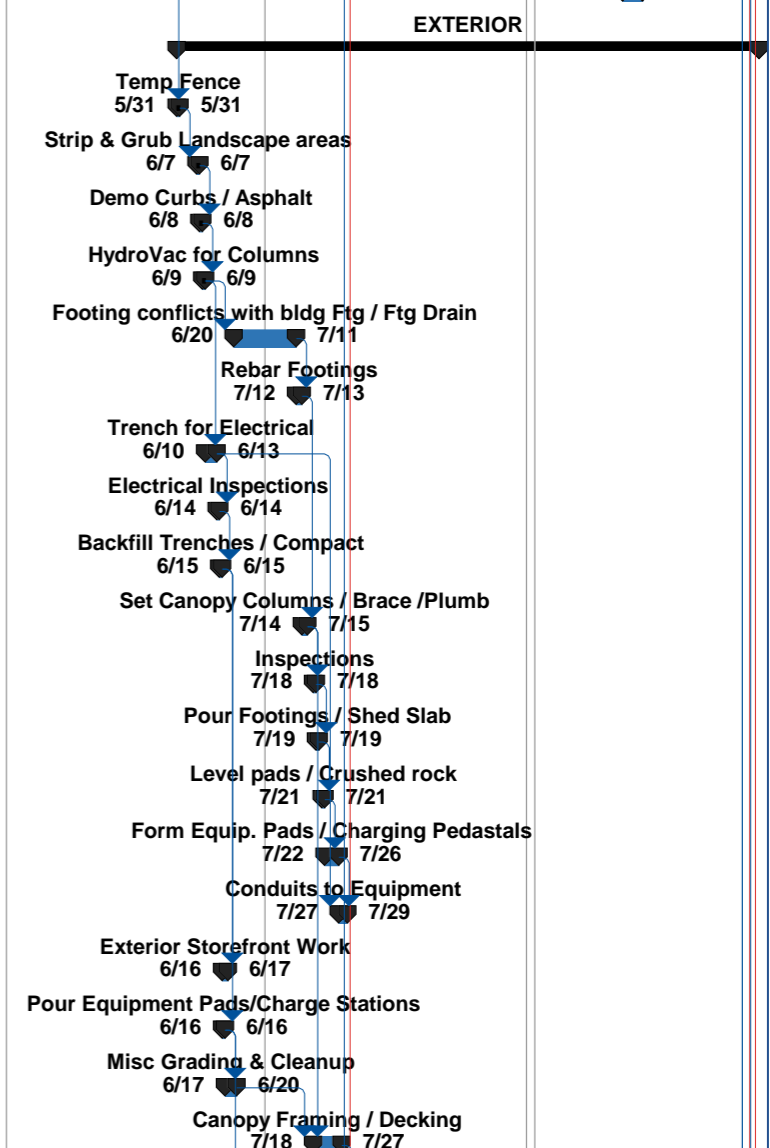
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									Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
51	■	Install Cooler	10 days	Wed 10/19/22	Tue 11/1/22	50,10	130											Install Cooler 10/19 - 11/1						
52	■	Deliver & Install Lab Equipment	4 days	Thu 11/24/22	Tue 11/29/22	9	53											Deliver & Install Lab Equipment 11/24 - 11/29						
53	■	Final Electrical & HAVC Connections	2 wks	Wed 11/30/22	Tue 12/13/22	52	54FS-2 days											Final Electrical & HAVC Connections 11/30 - 12/13						
54	■	Trim Lab Data	2 days	Mon 12/12/22	Tue 12/13/22	53FS-2 days	130,55											Trim Lab Data 12/12 - 12/13						
55	■	Install / FE's / Other Appurtenaces	3 days	Wed 12/14/22	Fri 12/16/22	54	126,56											Install / FE's / Other Appurtenaces 12/14 - 12/16						
56	■	WSP Lab Equipment	10 days	Mon 12/19/22	Mon 1/2/23	55	133											WSP Lab Equipment 12/19 - 1/2						
57	■	OFFICE FINISHES	74.75 days	Thu 7/28/22	Thu 11/10/22				OFFICE FINISHES															
58	■	Frame New Walls / Set HM Frames	5 days	Thu 7/28/22	Thu 8/4/22	30	59FS-1 day,60FS-1 day		Frame New Walls / Set HM Frames 7/28 - 8/4															
59	■	RI Plumbing	3 days	Wed 8/3/22	Mon 8/8/22	58FS-1 day	61		RI Plumbing 8/3 - 8/8															
60	■	RI Electrical Walls & Fire Alarm	7 days	Wed 8/3/22	Fri 8/12/22	58FS-1 day	61		RI Electrical Walls & Fire Alarm 8/3 - 8/12															
61	■	Framing Inspection / OK to Cover	3 days	Fri 8/12/22	Wed 8/17/22	60,59	62		Framing Inspection / OK to Cover 8/12 - 8/17															
62	■	Sound Insulation / Fire Safing	2 days	Wed 8/17/22	Fri 8/19/22	61	63		Sound Insulation / Fire Safing 8/17 - 8/19															
63	■	Stock Drywall	1 day	Fri 8/19/22	Mon 8/22/22	62	64		Stock Drywall 8/19 - 8/22															
64	■	Hang Drywall	4 days	Mon 8/22/22	Fri 8/26/22	63	65		Hang Drywall 8/22 - 8/26															
65	■	Tape & Finish Drywall	6 days	Fri 8/26/22	Tue 9/6/22	64	66FS+1 day		Tape & Finish Drywall 8/26 - 9/6															
66	■	Painting	5 days	Wed 9/28/22	Tue 10/4/22	65FS+1 day	69SS+3 days,70,67		Painting 9/28 - 10/4															
67	■	Ceiling Grid Work (as req'd)	3 days	Wed 10/5/22	Fri 10/7/22	66	68		Ceiling Grid Work (as req'd) 10/5 - 10/7															
68	■	Paint Doors/Frames/Relites	3 days	Mon 10/10/22	Wed 10/12/22	67	126		Paint Doors/Frames/Relites 10/10 - 10/12															
69	■	Trim Lighting/Wall Switches	4 days	Mon 10/3/22	Thu 10/6/22	66SS+3 days	71		Trim Lighting/Wall Switches 10/3 - 10/6															
70	■	Trim HVAC	2 days	Wed 10/5/22	Thu 10/6/22	66	71		Trim HVAC 10/5 - 10/6															
71	■	Ceiling Inspections	1 day	Fri 10/7/22	Fri 10/7/22	69,70	130,72		Ceiling Inspections 10/7 - 10/7															
72	■	Install Ceiling Tiles	2 days	Mon 10/10/22	Tue 10/11/22	71	127,75FS+1 day,73		Install Ceiling Tiles 10/10 - 10/11															
73	■	Casework/Millwork	2 days	Wed 10/12/22	Thu 10/13/22	72	75,74		Casework/Millwork 10/12 - 10/13															
74	■	Trim Data Ports	2 days	Fri 10/14/22	Mon 10/17/22	73	130		Trim Data Ports 10/14 - 10/17															
75	■	Install Flooring	7 days	Fri 10/14/22	Mon 10/24/22	73,72FS+1 day	76,77FS+1 day		Install Flooring 10/14 - 10/24															

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Task		External Tasks		Duration-only		External Tasks		Deadline	
Split		External Milestone		Manual Summary Rollup		External Milestone			
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									Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
76		Install Rubber base at new walls	3 days	Tue 10/25/22	Thu 10/27/22	75																
77		Install Doors / Hardware	3 days	Wed 10/26/22	Fri 10/28/22	75FS+1 day	78															
78		Install Solid Surface /Countertops	2 days	Mon 10/31/22	Tue 11/1/22	77	79															
79		Accessories & Glass	2 days	Wed 11/2/22	Thu 11/3/22	78	80															
80		Install FE's / Other Appurtences	5 days	Fri 11/4/22	Thu 11/10/22	79	126															
81		EXTERIOR	145 days?	Tue 5/31/22	Wed 12/21/22																	
82	✓	Temp Fence	1 day	Tue 5/31/22	Tue 5/31/22	17	83															
83	✓	Strip & Grub Landscape areas	1 day	Tue 6/7/22	Tue 6/7/22	82	84															
84	✓	Demo Curbs / Asphalt	1 day?	Wed 6/8/22	Wed 6/8/22	83	85															
85	✓	HydroVac for Columns	1 day	Thu 6/9/22	Thu 6/9/22	84	86FS+6 days,88															
86		Footing conflicts with bldg Ftg / Ftg Drain	3 wks	Mon 6/20/22	Mon 7/11/22	85FS+6 days	87															
87		Rebar Footings	2 days	Tue 7/12/22	Wed 7/13/22	86	91															
88		Trench for Electrical	2 days	Fri 6/10/22	Mon 6/13/22	85	96,89															
89		Electrical Inspections	1 day	Tue 6/14/22	Tue 6/14/22	88	90															
90		Backfill Trenches / Compact	1 day	Wed 6/15/22	Wed 6/15/22	89	97,98															
91		Set Canopy Columns / Brace /Plumb	2 days	Thu 7/14/22	Fri 7/15/22	87	100,92															
92		Inspections	1 day	Mon 7/18/22	Mon 7/18/22	91	93															
93		Pour Footings / Shed Slab	1 day	Tue 7/19/22	Tue 7/19/22	92	94FS+1 day															
94		Level pads / Crushed rock	1 day	Thu 7/21/22	Thu 7/21/22	93FS+1 day	95															
95		Form Equip. Pads / Charging Pedastals	3 days	Fri 7/22/22	Tue 7/26/22	94	96															
96		Conduits to Equipment	3 days	Wed 7/27/22	Fri 7/29/22	88,95																
97		Exterior Storefront Work	2 days	Thu 6/16/22	Fri 6/17/22	90																
98		Pour Equipment Pads/Charge Stations	1 day	Thu 6/16/22	Thu 6/16/22	90	99,105															
99		Misc Grading & Cleanup	2 days	Fri 6/17/22	Mon 6/20/22	98	100															
100		Canopy Framing / Decking	8 days	Mon 7/18/22	Wed 7/27/22	99,91	101															



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Federal Way Tox Lab – North Building Entrance



Federal Way Tox Lab – South Building Entrance



Federal Way Tox Lab – Evidence Drop-Off @ South Entrance



Federal Way Tox Lab – Evidence Walk-in Refrigerator Space



Federal Way Tox Lab – West End of Extraction Lab



Federal Way Tox Lab – Instrument Room



Federal Way Tox Lab – Main Open Office



Federal Way Tox Lab – Conditioned Equipment Shed (N2)