

Appendix B: Accessibility Results (Unweighted Data)

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Outdoor Accessible Route	Number	At least one accessible route shall connect all accessible elements of the facility. UFAS 4.1.2(1) and 4.3.2	4	60	11	27	0	Average to build ramp or platform lift	23,211.01
Outdoor Accessible Route	Width	Exterior walks: minimum width of 48 in. 521 CMR 22.2	5	68	1	29	0	Pave additional sidewalk	756.67
Outdoor Accessible Route	Passing Space	If route has less than 60 in clear width, then passing spaces at least 60 in by 60 in shall be located at reasonable intervals not to exceed 200 ft. UFAS 4.3.4	6	48	0	50	0		No program needed a modification
Outdoor Accessible Route	Protruding Objects	Shall not reduce the clear width of an accessible route by less than 36" Objects (phones, etc.) 27 in – 80 in from floor should be 4 in or less from wall. Objects lower than 27 in can protrude any distance as long as there is 36 in clear width Free standing objects mounted on posts or pylons may overhang 12 in UFAS 4.4.1	7	63	0	35	0		No program needed a modification
Outdoor Accessible Route	Head Room	Walks shall have 80 in minimum clear headroom. If vertical clearance is reduced to less than 80 in, must provide a barrier to warn blind or visually-impaired persons. UFAS 4.4.2	8	68	2	28	0	Install chain link fencing as barrier	107.25
Outdoor Accessible Route	Surface Texture	Must be stable, firm, slip-resistant. UFAS 4.5	9	68	2	28	0	Pave sidewalk	1,398.25

¹ The estimates represent the average cost per program, as derived from an analysis of the sampled program spaces, to complete a specific scope of work in order to comply with a specific standard and do not include regionalization factors. When costs were applied to individual programs, scopes of work that included labor had a regionalization factor applied to the average cost. From *RS Means 2009*, the regionalization factor for Boston (Region 6) was 1.154. Costs labeled as "base" costs are those that do not have a regionalization factor applied for individual program estimates, because they do not include labor costs.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Outdoor Accessible Route	Slope	Slope may not exceed 1:20. If it does, it must meet ramp and curb standards in 4.8. UFAS 4.3.7	10	67	3	28	0		Standard met by modifications for items 4 and 11
Outdoor Accessible Route	Change in Levels	Changes in levels between ¼ in and ½ in shall be beveled with a slope no greater than 1:2. If level change is greater than ½ in, then a ramp is required. UFAS 4.5.2	11	55	4	39	0	Build threshold ramp	3,261.00 Applicable only if modification for item 4 is not required.
Outdoor Accessible Route	Gratings	Grating spaces must be no greater than ½ in wide in direction of route. UFAS 4.5.4	12	17	1	80	0	Replace grate cover	540.00
Parking	Number	Must have 1 accessible space for every 25 spaces up to 100 spaces. UFAS 4.1.1(5)	13	29	19	50	0	Restripe	141.44
Parking	Location	Must be located closest to the nearest accessible entrance on an accessible route. UFAS 4.6.2	14	32	4	62	0	Restripe	141.44
Parking	Width of Space	Must be at least 96 in wide. UFAS 4.6.3 1 in 8 accessible spaces must be for a van. 521 CMR 23.2.2	15	33	14	51	0	Restripe	141.44 Applicable only if modification for item 13 is not required.
Parking	Width of Access Aisle	Must be adjacent to space and a minimum of 60 in wide. For vans, the aisle must be at least 96 in wide. UFAS 4.6.3 Access aisle must have diagonal stripes 521 CMR 23.4.6.e.	16	19	27	52	0	Restripe	141.44 Applicable only if modifications for items 13 and 14 are not required.
Parking	Slope	Spaces and aisles must be level with surface slopes not exceeding 1:50 in all directions. UFAS 4.6.3	17	47	0	51	0		No program needed a modification
Parking	Signage	Accessible spaces must have a sign with accessibility symbol of 5 ft to 8 ft in height. 521 CMR 23.6	18	23	25	50	0	Install pole-mounted sign	179.15

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Parking	Loading Zone	Must have an access aisle of at least 60 in wide and 20 ft long adjacent and parallel to vehicle pull up space. Must have 9 ft 6 in vertical clearance UFAS 4.6.5 and 4.6.6	19	7	0	91	0		No program needed a modification
Existing Curb Ramps	Number	Curb ramps shall be provided wherever an accessible route crosses a curb. UFAS 4.7.1 Curb ramps must be located in crosswalk and perpendicular to curb. 521 CMR 21.2.1	20	13	1	84	0		Standard met by modifications for item 27
Existing Curb Ramps	Slope	Maximum of 1:12, except where sidewalks are too narrow, the slope can be greater. Sides must be 1:12. 521 CMR 21.3	21	14	0	84	0		Standard met by modifications for item 11
Existing Curb Ramps	Width	Must be a minimum of 36 in clear width, exclusive of flared sides. UFAS 4.8.3 Side flare: minimum 24 in. 521 CMR 21.7	22	14	0	84	0		No program needed a modification
Existing Curb Ramps	Surface	Must be firm, stable, and non-slip. UFAS 4.5.1	23	14	0	84	0		No program needed a modification
Existing Curb Ramps	Side Design	Where there is no side flare, the side must be protected by landscaping or handrails. 521 CMR 21.8	24	10	0	88	0		No program needed a modification
Existing Curb Ramps	Landing	Must have 48 in sidewalk at top. If less than 48 in, then flared sides must be 1:12. UFAS Figure 12	25	14	0	84	0		No program needed a modification
Existing Curb Ramps	Built-up Curbs	Must have slope same as above. They must not project into vehicular traffic lanes. UFAS 4.7.6	26	13	2	85	0		Standard met by modifications for item 11
Existing Curb Ramps	Diagonal Curbs	Must be located in crosswalk and perpendicular to curb – no corner curb. 521 CMR 21.2.1	27	9	1	88	0	Create curb ramp	1,375.66
Existing Ramps	Number	Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp. UFAS 4.8.1 and 4.3.7	28	37	0	61	0		No program needed a modification

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Existing Ramps	Slope	The least possible slope shall be used for any ramp. Maximum slope of new construction is 1:12.	29	36	1	61	0	Rebuild ramp	16,511.44
Existing Ramps	Max rise	Maximum rise for any run is 30 in.	30	36	1	61	0	Regrade built-in ramp	1,367.68 Applicable only if modification for item 29 is not required.
Existing Ramps	Cross Slope	Must be no greater than 1:50. UFAS 4.8.6	31	37	0	61	0		No program needed a modification
Existing Ramps	Surfaces	Must be slip resistant, firm and stable. UFAS 4.8.6 and 4.5	32	36	0	62	0	Rebuild ramp	No program needed a modification
Existing Ramps	Handrails	If ramp rise is more than 6 in or run is more than 72 in, then there must be handrails	33	30	4	64	0	Install railings	4,377.50 Applicable only if modification for item 29 is not required.
Existing Ramps	Height	Upper railing at 34 in-38 in, and lower railing at 18 in – 20 in. 521 CMR 24.5.2 and 25.5.5.	34	24	8	66	0	Install paired railings	2,823.40 Applicable only if modifications for items 29 or 33 are not required.
Existing Ramps	Extension	extend 1 ft beyond top and bottom of ramp and landing	35	21	11	66	0	Install railing extensions	640.08 Applicable only if modifications for items 29, 32, 33, or 38 are not required.
Existing Ramps	Dist from wall	at least 1.5 in from wall.	36	29	2	67	0		Standard met by modifications for items 29 and/or 33

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Existing Ramps	Both Sides	on both sides,	37	26	6	66	0	Install paired railings	824.00 applicable only if modifications for items 29, 32, 33, 34, or 35 are not required.
Existing Ramps	Two sets	Handrails must be provided in pairs,	38	26	6	66	0	Install paired railings	3,134.00 applicable only if modifications for items 29, 32, 33, or 34 are not required.
Existing Ramps	Edge Protection	Ramps and landings with drop offs must have curbs, walls, railings, or projecting surfaces at least 2 in high to prevent people from slipping off the ramp.	39	32	2	64	0		Standard met by modifications for items 29 and/or 33
Existing Ramps	Landings	Must have level landing as wide as ramp and minimum of 60in long at top and bottom of ramp and at each turn. UFAS 4.8.4 Top of ramp must have 24 in on pull side of doorway. 521 CMR 26.6.3.c	40	30	5	63	0	Widen landing	307.28 applicable only if modifications for items 29 or 54 are not required.
Existing Ramps	Width	Must be 48 in between handrails. 521 CMR.24.3	41	28	4	66	0	Reset railings	926.40 applicable only if modifications for items 29 and/or 33 is not required.
Entrance Doors	Number	At least one principal entrance must be accessible. UFAS 4.1.2(8) (Note: UFAS prefers all.)	42	82	16	0	0		Standard met by modifications for items 43-53
Entrance Doors	Location	Must be on an accessible route. UFAS 4.1.2(1) and 4.14.1	43	82	16	0	0		Standard met by modifications for items 4 and/or 54
Entrance Doors	Type	Must be standard single or double-leaf hinged doors, not revolving doors or turnstiles. UFAS 4.13	44	98	0	0	0		No program needed a modification

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Entrance Doors	Width	Must have minimum of 32 in clear opening. If double leaf with independently operated leaves, then one must be minimum of 32 in clear. UFAS 4.13.4/.5	45	94	4	0	0	Widen door opening	2,981.88
Entrance Doors	Hardware	Lever operated, push-type and u-shaped handles are acceptable designs. UFAS 4.13.9 Hardware must be located 36 in-48 in above the floor. 521 CMR 26.11.2	46	93	5	0	0	Install lever hardware	1,424.00 applicable only if modification for item 45 is not required.
Entrance Doors	Opening Force	Must have maximum 8.5 lbf for exterior hinged door, 5 lbf interior hinged door, and 5 lbf sliding or folding doors. UFAS 4.13.11	47	96	2	0	0	Overhaul door closer	159.00
Entrance Doors	Thresholds at Doorways	For new construction, thresholds shall not exceed .75 in for exterior sliding doors or .5 in for other types of doors. Must be beveled with slope no greater than 1:2. UFAS 4.13.8	48	91	3	4	0	Modify threshold	439.08 applicable only if modification for item 4 is not required.
Entrance Doors	Floor at door	Vestibule - Minimum space between doors is 48 in plus the width of any door swinging into the space. UFAS 4.13.7 SEE FIGURES Must have 42 in-60in on each side, with 18 in-42 in on latch side. 521 CMR 26.6.3 and Figures 25a, 25b and 26d.	49	62	15	21	0	Enlarge vestibule	1,680.81 Cost applicable to eight programs that did not have standard met by modifications for other standards
Entrance Doors	Mats and Grates	Door mats .25 in-.5 in must be securely fastened with beveled edges. Mats >.5 must be recessed into floor. Grate openings should not exceed .5 in. 521 CMR 25.4	50	30	38	30	0	Hook and loop fasteners	114.13
Entrance Doors	Signage	Must have signs clearly indicating the location of accessible entrance/exit. 521 CMR 25.6	51	12	73	13	0	Self-adhered signage	25.63
Entrance Doors	Automatic Doors	Shall not open to full position faster than 3 seconds. UFAS 4.13.12	52	9	0	89	0		No program needed a modification
Entrance Doors	Intercom Panel	Must be within reach ranges. UFAS 4.2.5 and 4.2.6	53	25	16	57	0	Lower panel	108.45

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Interior Circulation	Number - elev	At least one accessible route shall connect all accessible elements of the facility. UFAS 4.1.2(1) and 4.3.2	54	72	23	3	0	Build shaftway and install elevator	110,521.33
Interior Circulation	Width	Minimum clear width shall be 36 in except at doors. UFAS 4.3.3	55	87	10	1	0	Relocate interior walls	2,186.15
Interior Circulation	Passing Space	If an accessible route is less than 60 in wide, then passing spaces of 60 in by 60 in shall be located at intervals no more than 200 ft. UFAS 4.3.4	56	55	0	43	0		No program needed a modification
Interior Circulation	Protruding Objects	Shall not reduce the clear width of aisle by less than 36 in. Objects with leading edges between 27 in and 80 in from floor shall be 4 in or less from wall. Objects with leading edges lower than or at 27 in from the floor can protrude any amount without reducing the 36 in aisle. Free-standing objects shall have a maximum overhang of 12 in. UFAS 4.4.1	57	88	5	5	0	Labor to remove	349.00
Interior Circulation	Head Room	Circulation spaces shall have minimum 80 in clear head room. If vertical clearance is reduced to less than 80 in, must provide a barrier to warn blind or visually-impaired persons. UFAS 4.4.2	58	95	3	0	0	Install railing	311.67
Interior Circulation	Surface Texture	Ground and floor surfaces along accessible routes and in accessible rooms and spaces shall be non-slip, firm and stable. UFAS 4.5	59	98	0	0	0		No program needed a modification
Interior Circulation	Slope	Slope may not exceed 1:20. If it does it must meet ramp and curb standards in 4.8. UFAS 4.3.7	60	86	3	8	1	Build low ramp	3,264.57
Interior Circulation	Changes in Levels - lift	If level change is greater than ½ in, then a ramp (or lift or elevator) is required.	61	57	13	28	0	Install platform lift	18,205.86

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Interior Circulation	Changes in Levels	Changes in levels between ¼ in and ½ in shall be beveled with a slope no greater than 1:2. UFAS 4.5.2	62	63	2	33	0	Install threshold modifiers	284.56 applicable only if modification for item 60 is not required.
Interior Circulation	Gratings	Grating spaces must be no greater than ½ in wide in direction of route. UFAS 4.5.4	63	8	0	90	0		No program needed a modification
Interior Doors	Number	At least one principal entrance must be accessible. UFAS 4.1.2(8) (Note: UFAS prefers all.)	64	85	13	0	0		Standard met by modifications for items 65-75
Interior Doors	Location	Must be on an accessible route. UFAS 4.1.2(1) and 4.14.1	65	82	16	0	0		Standard met by modifications for items 54, 60, and/or 61
Interior Doors	Type	Must be standard single or double-leaf hinged doors, not revolving doors or turnstiles. UFAS 4.13	66	98	0	0	0		No program needed a modification
Interior Doors	Width	Must have minimum of 32 in clear opening. If double leaf with independently operated leaves, then one must be minimum of 32 in clear. UFAS 4.13.4/.5	67	79	19	0	0	Widen doorways	12,289.98
Interior Doors	Hardware	Lever operated, push-type and u-shaped handles are acceptable designs. UFAS 4.13.9 Hardware must be located 36 in-48 in above the floor. 521 CMR 26.11.2	68	57	41	0	0	Install lever hardware	2,522.46 applicable only if modification for item 67 is not required.
Interior Doors	Opening Force	Must have maximum 8.5 lbf for exterior hinged door, 5 lbf interior hinged door, and 5 lbf sliding or folding doors. UFAS 4.13.11	69	98	0	0	0		No program needed a modification
Interior Doors	Thresholds at Doorways	For new construction, thresholds shall not exceed .75 in for exterior sliding doors or .5 in for other types of doors. Must be beveled with slope no greater than 1:2. UFAS 4.13.8	70	84	5	9	0	Grind down threshold	372.58

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Interior Doors	Floor at Door	Vestibule - Minimum space between doors is 48 in plus the width of any door swinging into the space. UFAS 4.13.7 SEE FIGURES Must have 42 in-60in on each side, with 18 in-42 in on latch side. 521 CMR 26.6.3 and Figures 25a, 25b and 26d.	71	50	9	39	0	Relocate interior vestibule partition	3,125.24
Interior Doors	Mats and Grates	Door mats .25 in-.5 in must be securely fastened with beveled edges. Mats >.5 must be recessed into floor. Grate openings should not exceed .5 in. 521 CMR 25.4	72	9	2	87	0	Hook and loop fastener	114.13
Interior Doors	Signage	Must have signs clearly indicating the location of accessible entrance/exit. 521 CMR 25.6	73	9	32	57	0	Self-adhesive signage	99.00
Interior Doors	Automatic Doors	Shall not open to full position faster than 3 seconds. UFAS 4.13.12	74	4	0	94	0		No program needed a modification
Interior Doors	Intercom Panels	Must be within reach ranges. UFAS 4.2.5 and 4.2.6	75	7	2	89	0	Lower panel	108.45
Children's Toilets	Number	At least one water closet and one sink in each location shall be <i>accessible</i> , or a separate <i>accessible</i> unisex toilet room shall be provided at each location.	76	67	30	1	0		Standard met by modifications for items 77-103
Children's Toilets	Location	Must be on an accessible route. 521 CMR 30.2	77	78	19	1	0	Install platform lift	18,630.50 Cost applicable to one program that did not have standard met by modifications for other standards
Children's Toilets	Entrance Doors	All doorways must have a minimum 32 in clear opening. 521 CMR 26.5 Lever operated, push type, and U shaped handles are acceptable designs. Doors to unisex toilet rooms may swing into the room if the door has a self-closing device	78	65	28	5	0	Average to widen door or install lever hardware	2,323.81 applicable only if modifications for items 67 or 68 are not required.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	Door Closer	Maximum force to open 5lbf. 521 CMR 26.8.1	79	83	2	13	0	Average to adjust door closer or replace doors	785.00
Children's Toilets	Unobstructed Space	Unobstructed turning space 60 inches in diameter. 521 CMR 6.3	80	53	24	21	0	Average to expand bathroom, relocate toilet, install wall mounted sink, and relocate partitions and sink	3,993.58
Children's Toilets	Toilet Stalls - Size	Standard <i>accessible</i> toilet stalls shall be at least 60 in wide and 72 in deep.	81	14	18	66	0	Reconfigure stalls	8,704.85
Children's Toilets	Ext Door Swing	Must have a door that swings out or slides	82	12	17	69	0	Labor to reverse swing	254.98
Children's Toilets	32" door	and has a 32 in clear opening. Must have 18 in of clear space on the latch pull side of the door.	83	16	17	65	0		Standard met by modifications for item 81
Children's Toilets	Grab Bars - 42" long	Must have two grab bars, 42 in long,	84	41	54	3	0	Install grab bars and blocking	1,280.00
Children's Toilets	side-12in from corner	and one on the side wall no more than 12 in from interior corner. 521 CMR 30.15	85	39	56	3	0	Move grab bar and blocking	874.61 applicable only if modification for item 84 is not required.
Children's Toilets	rear - 6in from corner	one mounted on the back wall 6 in from interior corner	86	37	58	3	0	Move grab bar and blocking	865.22 applicable only if modification for item 84 is not required.
Children's Toilets	Height	<i>Height:</i> Pre- K: 18 in to 20 in K to 3 rd grade: 20 in to 25 in 4 th grade to 6 th grade: 25 in to 27 in Measured from the floor to the top of the grab bar.	87	11	84	3	0	Move grab bars and blocking	831.60 applicable only if modification for item 84 is not required.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	Diameter	<i>Thickness (outside diameter):</i> Pre-kindergarten: 1 in K to 6 th grade: 1.25 in to 1.5 in	88	34	61	3	0	Replace grab bars	431.82 applicable only if modification for item 84 is not required.
Children's Toilets	Water Closet - Height	<i>Height:</i> Pre-K: 11.5 in to 12.5 in K-3 rd grade: 12 in to 15 in 4 th to 6 th grade: 15 in to 17in	89	56	41	1	0	Replace toilets	2,595.73
Children's Toilets	Near Wall	<i>Centerline of toilet to wall:</i> Pre-Kindergarten: 11 in K-3 rd grade: 11 in to 15 in 4 th to 6 th grade: 15 in to 18 in	90	39	58	1	0	Build partition	415.45
Children's Toilets	Far Wall	Centerline from toilet to far wall: 42 in for all ages	91	61	36	1	0	Average to relocate toilet, sink, or wall	3,521.19 applicable only if modification for item 81 is not required.
Children's Toilets	Flush Control	Flush controls must be mounted 20 in to 30 in above the floor.	92	88	9	1	0	Install automatic flush	1,352.00 applicable only if modification for item 89 is not required.
Children's Toilets	Toilet Paper Dispenser	<i>Height:</i> Prekindergarten: 14 in K to 3 rd grade: 14 in to 17 in 4 th to 6 th grade: 17 in to 19 in	93	24	73	1	0	Relocate	171.54
Children's Toilets	Lavatory - Top height	Mounted with the rim maximum 30 in above the finish floor.	94	39	58	1	0	Relocate	650.77
Children's Toilets	Bottom height	Must have a clearance of at least 25 in above the finish floor to the bottom of the apron.	95	61	36	1	0	Average to relocate wall hung, modify counters, or replace vanity with wall-hung sink	1,107.71 applicable only if modification for item 94 is not required.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	Knee Clearance	Knee clearance at least 30 in wide and 19 in deep.	96	75	22	1	0	Install wall-hung sink	3,501.44 applicable only if modifications for items 94 or 95 are not required.
Children's Toilets	Insulated Piping	Piping must be insulated. 521 CMR 30.16.3	97	28	69	1	0	Insulate	407.40
Children's Toilets	Lever Faucet	Faucets operable with one hand without tight grasping, pinching, or twisting of the wrist. Lever-operated, push touch, or electronic controlled faucets are acceptable designs. 521 CMR 30.16.4	98	77	20	1	0	Install lever faucet	698.04
Children's Toilets	Mirror	Bottom edge must be maximum 31 in above the floor. 521 CMR 30.18	99	19	62	17	0	Relocate	166.17
Children's Toilets	Wall Mounted Urinal - Rim	Must have an elongated rim	100	11	7	80	0	Install urinal with elongated rim	479.55
Children's Toilets	Height	at a maximum of 15 in above the finish floor.	101	2	16	80	0	Relocate	286.91 applicable only if modification for item 100 is not required.
Children's Toilets	Flush Control	Flush controls must be maximum 44 in from the floor.	102	6	12	80	0	Relocate	151.20 applicable only if modification for item 100 is not required.
Children's Toilets	Towel Dispenser	Operable section mounted maximum 36 in above the floor.	103	37	56	5	0	Relocate	155.55

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets ²	Number	At least one water closet and one sink in each location shall be <i>accessible</i> , or a separate <i>accessible</i> unisex toilet room shall be provided at each location.	104	13	12	73	0		Standard met by modifications for items 105-131
Children's Toilets	Location	Must be on an accessible route. 521 CMR 30.2	105	15	10	73	0		Standard met by modifications for items 54, 60, 61, and/or 68
Children's Toilets	Entrance Doors	All doorways must have a minimum 32 in clear opening. 521 CMR 26.5 Lever operated, push type, and U shaped handles are acceptable designs. Doors to unisex toilet rooms may swing into the room if the door has a self-closing device	106	13	10	75	0	Average to widen door or install lever hardware	1,333.04
Children's Toilets	Door Closer	Maximum force to open 5lbf. 521 CMR 26.8.1	107	20	1	77	0	Adjust door closer	106.00
Children's Toilets	Unobstructed Space	Unobstructed turning space 60 inches in diameter. 521 CMR 6.3	108	11	9	78	0	Average to expand bathroom, relocate toilet, install wall mounted sink, and relocate partitions and sink	4,355.26
Children's Toilets	Toilet Stalls - Size	Standard <i>accessible</i> toilet stalls shall be at least 60 in wide and 72 in deep.	109	3	9	86	0	Reconfigure stalls	4,510.03
Children's Toilets	Ext Door Swing	Must have a door that swings out or slides	110	3	21	74	0	Labor to reverse swing	139.77
Children's Toilets	32" door	and has a 32 in clear opening. Must have 18 in of clear space on the latch pull side of the door.	111	2	22	74	0		Standard met by modifications for item 109
Children's Toilets	Grab Bars - 42" long	Must have two grab bars, 42 in long,	112	3	21	74	0	Install grab bars and blocking	686.31

² The second children's toilets section was only used if the program had two different style children's bathrooms (i.e. single-occupancy versus multiple occupancy, stall bathroom) or if modifications were made in one bathroom but not in another that served a separate space. The average costs shown in this section were not carried if the corresponding modification was being made in the first children's toilets section.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	side-12in from corner	and one on the side wall no more than 12 in from interior corner. 521 CMR 30.15	113	2	22	74	0	Move grab bar and blocking	464.19 applicable only if modification for item 112 is not required.
Children's Toilets	rear - 6in from corner	one mounted on the back wall 6 in from interior corner	114	4	20	74	0	Move grab bar and blocking	462.40 applicable only if modification for item 112 is not required.
Children's Toilets	Height	<i>Height:</i> Pre- K: 18 in to 20 in K to 3 rd grade: 20 in to 25 in 4 th grade to 6 th grade: 25 in to 27 in Measured from the floor to the top of the grab bar.	115	1	25	104	0	Move grab bars and blocking	449.14 applicable only if modification for item 112 is not required.
Children's Toilets	Diameter	<i>Thickness (outside diameter):</i> Pre-kindergarten: 1 in K to 6 th grade: 1.25 in to 1.5 in	116	6	20	104	0	Replace grab bars	222.95 applicable only if modification for item 112 is not required.
Children's Toilets	Water Closet - Height	<i>Height:</i> Pre-K: 11.5 in to 12.5 in K-3 rd grade: 12 in to 15 in 4 th to 6 th grade: 15 in to 17in	117	11	14	73	0	Replace toilets	1,497.32
Children's Toilets	Near Wall	<i>Centerline of toilet to wall:</i> Pre-Kindergarten: 11 in K-3 rd grade: 11 in to 15 in 4 th to 6 th grade: 15 in to 18 in	118	10	15	73	0	Build partition	226.88
Children's Toilets	Far Wall	Centerline from toilet to far wall: 42 in for all ages	119	10	15	73	0	Average to relocate toilet, sink, or wall	2,393.13 applicable only if modification for item 109 is not required.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	Flush Control	Flush controls must be mounted 20 in to 30 in above the floor.	120	23	2	73	0	Install automatic flush	780 applicable only if modification for item 117 is not required.
Children's Toilets	Toilet Paper Dispenser	Height: Prekindergarten: 14 in K to 3 rd grade: 14 in to 17 in 4 th to 6 th grade: 17 in to 19 in	121	5	20	73	0	Relocate	95.98
Children's Toilets	Lavatory - Top height	Mounted with the rim maximum 30 in above the finish floor.	122	8	17	73	0	Relocate	375.55
Children's Toilets	Bottom height	Must have a clearance of at least 25 in above the finish floor to the bottom of the apron.	123	6	19	73	0	Average to relocate wall hung or modify counters	350.32 applicable only if modification for item 122 is not required.
Children's Toilets	Knee Clearance	Knee clearance at least 30 in wide and 19 in deep.	124	12	13	73	0	Install wall-hung sink	1,985.90 applicable only if modifications for item 122 or 123 are not required.
Children's Toilets	Insulated Piping	Piping must be insulated. 521 CMR 30.16.3	125	4	21	73	0	Insulate	218.50
Children's Toilets	Lever Faucet	Faucets operable with one hand without tight grasping, pinching, or twisting of the wrist. Lever-operated, push touch, or electronic controlled faucets are acceptable designs. 521 CMR 30.16.4	126	14	11	73	0	Install lever faucet	402.91
Children's Toilets	Mirror	Bottom edge must be maximum 31 in above the floor. 521 CMR 30.18	127	5	19	74	0	Relocate	95.52
Children's Toilets	Wall Mounted Urinal - Rim	Must have an elongated rim	128	0	2	96	0	Install urinal with elongated rim	486.50

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Children's Toilets	Height	at a maximum of 15 in above the finish floor.	129	0	2	96	0	Relocate	283.37 applicable only if modification for item 128 is not required.
Children's Toilets	Flush Control	Flush controls must be maximum 44 in from the floor.	130	0	2	96	0	Relocate	94.50 applicable only if modification for item 128 is not required.
Children's Toilets	Towel Dispenser	Operable section mounted maximum 36 in above the floor.	131	9	15	74	0	Relocate	88.41
Adult Toilet	Number	At least one water closet and one sink in each location shall be <i>accessible</i> , or a separate <i>accessible</i> unisex toilet room shall be provided at each location. 521 CMR 30.1.a	132	67	26	0	5		Standard met by modifications for items 133-161
Adult Toilet	Location	Must be on an accessible route. UFAS 4.1.2(10) and 4.17.1	133	75	18	0	5		Standard met by modifications for items 54, 60, 61, 67, and/or 70
Adult Toilet	Entrance Door	Doorways shall have a minimum 32 in clear opening. UFAS 4.13.5 Handles shall be lever-operated or push/pull-type mechanisms. UFAS 4.13.9 Doors to single user toilet rooms may swing into the room if the door has a self-closing device and maneuvering space is provided. 521 CMR 30.4	134	67	26	0	5	Average to replace hardware or widen door	925.90
Adult Toilet	Door Closer	The maximum effort to open the door shall be 5lbf. UFAS 4.13.11(b)	135	86	4	3	5	Adjust door closer	106.00

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Adult Toilet	Unobstructed Space	Turning space with a minimum 60 in diameter and 12 in height. UFAS 4.2.3 and 4.4.1	136	54	21	18	5	Average to expand bathroom, relocate toilet, install wall mounted sink, and relocate partitions and sink	1783.92
Adult Toilet	Toilet Stalls - Size	Standard accessible stalls shall be 60 in wide by 72 in deep.	137	16	6	71	5	Reconfigure stalls	3807.19
Adult Toilet	Ext Door Swing	Accessible stalls shall have a door that swings out.	138	12	11	70	5	Labor to change swing	104.70
Adult Toilet	32" door	Doorways should have a minimum 32 in clear opening. Doors shall not swing into the clear floor space. UFAS 4.13.5 and 4.23.2	139	17	6	70	5		Standard met by modifications for item 137
Adult Toilet	Grab Bars - Height	Must have a height of 33 in to 36 in	140	54	39	0	5	Relocate bars and blocking	460.73 applicable only if modification for item 141 is not required.
Adult Toilet	Back and Side	Bars located on the back and side wall.	141	62	31	0	5	Install bars and blocking	622.73
Adult Toilet	Diameter	The diameter of the grab bars shall be 1.25 in to 1.5 in.	142	65	28	0	5	Replace bars	162.00 applicable only if modification for item 141 is not required.
Adult Toilet	Clearance from Wall	Must have 1.5 in clearance from the wall. UFAS 4.26.2	143	65	28	0	5	Replace bars	162.00 applicable only if modifications for items 140, 141, 144, and/or 145 are not required.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Adult Toilet	Side - 12in from corner	Side bar must be 12 in from corner. UFAS 4.17.6 (Figure 30(a))	144	49	43	1	5	Relocate bar and blocking	230.37 applicable only if modification for item 141 is not required.
Adult Toilet	Rear - 6in from corner	Back bar must be 6 in from corner	145	54	39	0	5	Relocate bar and blocking	230.37 applicable only if modifications for items 140 or 141 are not required.
Adult Toilet	42 in long	Must have two grab bars 42 in long,	146	61	32	0	5	Install bars and blocking	622.73 applicable only if modifications for items 140 or 141 are not required.
Adult Toilet	Water Closet - Height	The height of water closets shall be 17 in to 19 in. UFAS 4.16.3	147	71	22	0	5	Replace toilet	1,075.00
Adult Toilet	Near Wall	The centerline of the water closet shall be 18 in from the side wall. UFAS 4.17.6 (Figure 30(a))	148	58	35	0	5	Average to build partition, relocate toilet, or relocate wall	1,553.27
Adult Toilet	Far Wall	Clearance between the door side of the stall and any obstruction shall be at a min 42 in. UFAS 4.17.5	149	63	23	7	5	Average to relocate toilet, relocate sink, or relocate wall	1,776.38
Adult Toilet	Flush Control	Controls for flush valves shall be mounted no more than 44 inches above the floor. 521 CMR 30.7.5	150	93	0	0	5		No program needed a modification
Adult Toilet	Toilet Paper Dispenser	The centerline of the roll shall be set at a minimum height of 24 in above the floor. 521 CMR 30.7.6	151	71	22	0	5	Relocate	69.80
Adult Toilet	Lavatory - Top height	Must be no higher than 34 in above the floor. Extends a minimum of 17 in from the wall to the front of the sink or counter. 521 CMR 30.9.2	152	84	9	0	5	Relocate	283.37

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Adult Toilet	Insulated Piping	Hot water and drain pipes under lavatories shall be insulated or otherwise covered. UFAS 4.19.4	153	31	62	0	5	Insulate	161.00
Adult Toilet	Knee Clearance	Must provide a clearance of at least 29 in from the floor to the bottom of the apron	154	55	38	0	5	Install wall-mounted sink	1,395.50 applicable only if modification for item 152 is not required.
Adult Toilet	Clear Floor Space	Must have a clear floor space 30 in by 48 in in front. UFAS 4.19.3	155	80	13	0	5		Standard met by modifications for item 136
Adult Toilet	Lever Faucet	Lever-operated faucets are an acceptable design. UFAS 4.19.5	156	82	10	0	6	Install lever faucet	277.00
Adult Toilet	Mirror	Maximum height of bottom edge 40 in from the floor. UFAS 4.19.6	157	43	46	4	5	Relocate	69.80
Adult Toilet	Wall Mounted Urinal - Height	at a maximum height of 17 in above the floor. UFAS 4.18.2	158	10	8	75	5	Relocate	283.37 applicable only if modification for item 159 is not required.
Adult Toilet	Rim	Urinals shall have an elongated rim	159	16	1	76	5	Replace with urinal with elongated rim	486.50
Adult Toilet	Flush Control	Flush controls shall be no more than 44 in above the floor. UFAS 4.18.4	160	11	6	76	5	Relocate	94.50 applicable only if modification for item 159 is not required.
Adult Toilet	Clear Floor Space	A clear floor space 30 in by 48 in shall be provided in front of urinals. UFAS 4.18.3	161	16	2	75	5	Average to remove urinal or remove toilet stall	255.11
Drinking Fountains	Number	If provided, approximately 50 percent of drinking fountains on each floor shall be accessible. If only one is provided on any floor, it shall be accessible. 4.1.2(9)	162	25	5	68	0		Standard met by modifications for items 54, 60, 61, or 163-170

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Drinking Fountains	Location	Must be on an accessible route. UFAS 4.1.2(9)	163	27	3	68	0		Standard met by modifications for items 54, 60, or 61
Drinking Fountains	Height - Spout	Spouts shall be no higher than 36 in measured from the floor or ground surfaces to the spout outlet . UFAS 4.15.2	164	27	3	68	0	Average to replace or relocate fountain	1,446.87
Drinking Fountains	Water stream	Spout shall provide a flow of water at least 4 in high, be at the front, UFAS 4.15.3	165	27	2	68	1		Staff should address by cleaning aerator or fix infeasible due to water pressure
Drinking Fountains	Controls	Unit controls shall be front mounted or side mounted near the front edge. UFAS 4.15.4 Shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. UFAS 4.27.4	166	27	3	68	0	Replace control	226.80 applicable only if modifications for items 164 or 167 are not required.
Drinking Fountains	Clearance - Bottom of Apron	Wall- mounted: shall have a clear knee space between bottom of apron and floor at least 27 in high,	167	19	10	69	0	Replace fountain	1,980.20 applicable only if modification for item 164 is not required.
Drinking Fountains	Depth	and 17 in to 19 in deep.	168	18	11	69	0	Replace fountain	1,980.20 applicable only if modifications for items 164 or 167 are not required.
Drinking Fountains	Clear Floor Space	Clear floor space at least 30 in by 48 in front of the fountain. UFAS 4.15.5	169	24	2	72	0		Program staff can address - Remove step stool
Public Telephones	Number	Signage must be installed indicating accessibility and location of TTY and amplified phones. Whenever public pay phones are provided, at one phone must be accessible at each location. 521 CMR 37.10.1 and 37.1	174	0	1	97	0		Standard met by modification for item 54 or by requesting vendor relocation

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Public Telephones	Location	Must be on an accessible route with clear floor space measuring 30 in by 48 in. UFAS 4.31.2	175	0	1	97	0		Standard met by modification for item 54 or by requesting vendor relocation
Public Telephones	Height	Highest operable controls for a front approach shall be 48 in and 54 in for a parallel approach. UFAS 4.2.5 and 4.2.6	176	1	0	97	0		No program needed a modification
Public Telephones	Controls	Telephones shall have push button controls.	177	1	0	97	0		No program needed a modification
Public Telephones	Cord Length	The cord from the telephone to the handset should have a minimum length of 29 in. UFAS 4.31.6 and 4.31.8	178	1	0	97	0		No program needed a modification
Public Telephones	Equipment for Hearing Impaired	Telephones shall be equipped with a receiver that generates a magnetic field in the area of the receiver cap. Volume controls shall be provided. UFAS 4.31.5 Where two or more telephones are provided, one shall be equipped with a TTY. 521 CMR 37.8	179	1	0	97	0		No program needed a modification
Platform Lifts	Location	May be used in lieu of an elevator. UFAS 4.1.2 (5)	180	9	0	89	0		No program needed a modification
Platform Lifts	Clear Floor Space	Must be minimum of 36 in by 54 in. 521 CMR 28.12.2.b.	181	5	4	89	0	Replace platform lift	17,989.37
Platform Lifts	Height of Controls	Forward approach to an object, the maximum high forward reach allowed shall be 48 in. UFAS 4.2.5 For a parallel approach, the maximum high side reach allowed shall be 54 in. UFAS 4.2.6 Controls and operating mechanisms shall be operable with one hand. UFAS 4.27.4 If lift is key operated, a buzzer and intercom system must be installed. 521 CMR 28.12.2.d.	182	5	4	89	0	Install intercom	2,846.25

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Elevators	Number	One passenger elevator must serve each level in all multi-story buildings and facilities and comply with 4.10. If more than one elevator is provided, each shall comply with requirements. Accessible ramps or, if no other alternative is feasible, accessible platform lifts may be used instead. UFAS 4.1.2(5)	183	30	0	66	2		No program needed a modification
Elevators	Location	Must be on an accessible route. UFAS 4.10.1	184	30	0	66	2		No program needed a modification
Elevators	Type	Elevator operation shall be automatic. Doors shall have a reopening device that will stop and reopen a car door if it becomes obstructed by an object or person. Each car shall be equipped with a self-leveling feature. UFAS 4.10.1 and 4.10.6	185	30	0	66	2		Standard met by modifications for item 186
Elevators	Elevator Cars	Must be a minimum of 54 inches by 68 inches, or may be 60 inc by 60 in. The door can be located on any wall or walls. In existing <i>buildings</i> , minimum inside car area can be 48 in by 48 in. 521 CMR 28.7	186	19	8	66	5	Build elevator shaftway and install elevator	110,614.15 applicable only if modification for item 54 is not required.
Elevators	Hall Call Buttons - Height	Buttons entered 42 in above floor,	187	26	2	66	4	Relocate	325.35 applicable only if modifications for items 54 or 186 are not required.
Elevators	Visual Signal	have visual signals (lighted) ,	188	24	3	67	4	Replace call buttons	2,310.00 applicable only if modifications for items 54 or 186 are not required.
Elevators	Size	3/4 in buttons.	189	28	0	66	4		No program needed a modification

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Elevators	Protrusions	Objects mounted beneath buttons shall not protrude more than 4 in. UFAS 4.10.3	190	21	1	72	4		Program staff can address – relocate trash can or fire extinguisher
Elevators	Hall Lanterns	Mounted at a minimum 72 in above lobby floor. At least 2.5 in smallest dimension. UFAS 4.10.4	191	16	8	69	5	Relocate	325.35 applicable only if modifications for items 54 or 186 are not required.
Elevators	Audible Signals	Sound once for up and twice for down or shall announce “up” and “down.” UFAS 4.10.4	192	23	3	66	6	Replace indicator	2,580.00 applicable only if modifications for items 54 or 186 are not required.
Elevators	Door Jambs - Raised letters	Raised floor designations on both jambs.	193	27	1	66	4	Install signage	255.00 applicable only if modifications for items 54 or 186 are not required.
Elevators	Height	The centerline of the characters shall be 60 in from the floor	194	27	1	66	4	Relocate	209.40 applicable only if modifications for items 54 or 186 are not required.
Elevators	Size	and 2 in high. UFAS 4.10.5	195	27	1	66	4	Install signage	255.00 applicable only if modifications for items 54 or 186 are not required.
Elevators	Car Controls - Height	All floor buttons shall be no higher than 54 in above the finish floor for side approach and 48 in for front approach. 521 CMR 28.8.2	196	26	0	66	6		No program needed a modification
Elevators	Size	Buttons can be raised or flush. Min of .75 in. Must have visual indicators to show when call is registered and answered.	197	25	1	66	6		Standard met by modifications for item 186

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Elevators	Raised letters	Designations for buttons marked with raised characters to the left of button.	198	26	0	66	6		Standard met by modifications for item 186
Elevators	Panel Placement	Controls located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors.	199	26	0	66	6		Standard met by modifications for item 186
Elevators	Emerg buttons	Emergency buttons located between 35 in. and 48 in above floor	200	26	0	66	6		No program needed a modification
Elevators	Communication Height	Two-way communication system shall be a maximum of 48 in high. If system uses a handset, the length of the cord from the panel to the handset shall be at least 29 in.	201	21	1	70	6		Standard met by modifications for item 186
Elevators	Audible Signals	Car position indicator with audio inside car UFAS 4.10.12, 4.10.13, and 4.10.14	202	20	6	66	6	Replace car controls	10,034.27 applicable only if modifications for items 54 or 186 are not required.
Elevators	Elevator Doors - Open time	Door shall remain open for a min of 3 seconds.	203	26	0	66	6		No program needed a modification
Elevators	Reopening Height	A reopening device shall stop and reopen door automatically if obstructed by an object or person. Door reopening devices shall be located 5-29 in from floor and remain effective for at least 20 seconds.	204	22	4	66	6		Standard met by modifications for item 186
Elevators	Width	Door 36 in wide UFAS 4.10.6 and 4.10.8	205	26	0	66	6		Standard met by modifications for item 186

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Elevators	Handrails	Must be located on at least one wall in every elevator between 32 and 36 in above the car floor, with a 1½ in clearance from the wall. 521 CMR 28.7.2	206	23	3	66	6	Install hand rails	81.00 applicable only if modifications for items 54 or 186 are not required.
Storage Facilities	Number	If storage facilities such as cabinets, shelves, closets, and drawers are provided in accessible spaces, at least one of each type provided shall be accessible. UFAS 4.1.2(11)	207	49	10	39	0		Standard met by modifications for items 54, 60, and/or 61
Storage Facilities	Locations	Must be on an accessible route. UFAS 4.1.2(11)	208	48	11	39	0		Standard met by modifications for items 54, 60, and/or 61
Storage Facilities	Doors	Must have a minimum clear opening of 32 in. UFAS 4.13.5 Hardware must be mounted no higher than 48 in. UFAS 4.13.9 Special hardware Touch latches and U-shaped pulls are acceptable. UFAS 4.25.4 Maximum force to open must be 5 lbf. UFAS 4.13.11	209	26	32	40	0		Standard met by modifications for items 67 and/or 68
Storage Facilities	Interior - Floor Space	Must have clear floor space at least 30 in by 48 in. UFAS 4.25.2	210	54	2	42	0		Program staff can address – organize closets, remove items on floor
Storage Facilities	Reach limits	Forward approach: height of shelves must be between 15 in and 48 in. Parallel approach: height of shelves must be between 9 in and 54 in. UFAS 4.2.6 and UFAS 4.2.5	211	57	0	41	0		No program needed a modification
Storage Facilities	Low Shelf	Lowest shelf at 48 in max	212	57	0	41	0		No program needed a modification

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Common Use Kitchens ³	Entry Door	Minimum of 32 in clear opening. UFAS 4.13.5 Max 5 lbf to open interior hinged door. UFAS 4.13.11 Max height for hardware 48 in from floor. UFAS 4.13.9	224	51	11	36	0	Install lever hardware	216.00 applicable only if modification for item 68 is not required.
Common Use Kitchens	Clearance	Clear space of 60 inch diameter. 521 CMR 32.1	225	30	9	58	1		Standard met by modifications for items 229 and/or 231
Common Use Kitchens	Clear Floor Space	Must have a clear floor space at each appliance of at least 30 in by 48. UFAS 4.34.6.2	226	32	7	58	1		Standard met by modifications for item 225
Common Use Kitchens	Controls	Forward approach: controls between 15 in and 48 in. UFAS 4.2.5 Parallel approach: controls between 9 in and 54 in. UFAS 4.2.6 Hood controls located no higher than 54 in Controls not located behind heating elements Garbage disposals controlled by switches under counters at the front. 521 CMR 32.7.6 Operable with one hand with force to activate controls no greater than 5 lbf. UFAS 4.27.4	227	15	18	64	1	Relocate controls	271.13
Common Use Kitchens	Countertop	At least one 30 in section of counter with knee clearance knee clearance at least 30 in wide, 27 in high, and 22 in deep 34 in max height or adjustable to 28 in, 32 in, and 36 in. At least 15 in countertop with knee space adjacent to both sink and cooktop (can be shared and can be included in work surface)	228	3	32	62	1	Remove cabinets, Install wall mounted counter	1,093.74

³ Only non-commercial kitchens were evaluated.

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Common Use Kitchens	Base Cabinets	Removable or 30 in wide by 19 in deep knee hole 30x48 clear	229	5	28	64	1		Standard met by modifications for item 228
Common Use Kitchens	Cabinet Hardware	Must be operable by one hand. UFAS 4.25.4	230	22	12	63	1	Install cabinet hardware	209.60
Common Use Kitchens	Sink - Height/Knee clearance	Max height 34 in. or adjustable to 28 in, 32 in, and 36 in. Total width of sink and counter area 30 in. UFAS 4.34.6.5(1)	231	9	26	62	1		Standard met by modifications for item 228
Common Use Kitchens	Bowl Depth	Sink depth less than 6.5 in	232	18	17	62	1	Replace sink	1,211.50
Common Use Kitchens	Lever Faucets	Lever faucets	233	29	6	62	1	Install lever faucet	272.00
Common Use Kitchens	No sharp/abrasive surfaces	No sharp or abrasive surfaces under sinks.	234	33	0	64	1		No program needed a modification
Common Use Kitchens	Insulated Pipes	Insulated/covered pipes	235	8	27	62	1	Insulate	161.00
Common Use Kitchens	Cooktops	Clear floor space at least 30 in by 48 in Controls operable with one hand with force to activate less than 5 lbf. UFAS 4.27.4 19 in knee space. Front mount controls	236	8	15	75	0	Remove cabinets and install cooktop and wall oven	4,005.46
Common Use Kitchens	Ovens	Bottom hinged ovens have clear floor space at least 30 in by 48 in Self-cleaning or next to adjustable height counter with knee space Side hinged ovens are self-cleaning or next to adjustable height counter with knee space Latch side next to open counter space, pull-out shelf under oven extending the full width of the oven. Clear floor space at least 30 in by 48 in	237	11	11	76	0		Standard met by modifications for item 236

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.

Accessibility Category	Characteristic	Assessment Item	OSI#	Yes	No	N/A	NS	Modification	Average Per Program Cost ¹
Common Use Kitchens	Refrigerators	Side-by-side refrigerator/freezer; OR at least 50% of freezer and 100% of refrigerator space and controls below 54 in. Bottom of the top door no higher than 44 in Self-defrosting freezer	238	26	13	58	1	Replace refrigerator	1,260.00
Common Use Kitchens	Wall Cabinets	Maximum height of lowest shelf shall be 48 in.	239	3	30	64	1	Lower cabinets	1,184.68
Common Use Kitchens	Dishwashers	Clear floor space at least 30 in by 48 in Controls operable with one hand with force to activate less than 5 lbf. UFAS 4.27.4 All rack space accessible from front	240	15	0	83	0		No program needed a modification

Yes = program met standard; No = program did not meet standard; N/A = standard does not apply to a particular program; NS = standard applies to a particular program, but assessor was not able to see this element of the facility. OSI# refers to the item number on the OSI assessment.