



ADA TITLE II ASSESSMENT



Prepared for:

Montgomery County Public Schools
45 West Gude Drive, Suite 4100
Rockville, Maryland 20850

ADA TITLE II ASSESSMENT

Northwood High School
919 University Boulevard
Silver Spring, Maryland 20901

PREPARED BY:

EMG
10461 Mill Run Circle, Suite 1100
Owings Mills, Maryland 21117
800.733.0660
www.EMGcorp.com

EMG CONTACT:

Michael Nelson
Program Manager
800.733.0660 x6244
mnelson@emgcorp.com

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Date of Report:

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1 Accessibility

Generally, Title II of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of the government entity's programs, services, and facilities on the basis of disability. Regardless of their age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG), and applicable state and local accessibility regulations.

Buildings completed and occupied after January 26, 1992 are required to comply fully with ADAAG. Existing facilities constructed prior to this date are held to the lesser standard of complying to the extent allowed by structural feasibility and the financial resources available, or a reasonable accommodation must be made. The ADA guidelines were clarified and amended in 2010 based on a clarification by the Department of Justice known as the "2011 Site Construction Tolerances Addendum to the 2010 ADA Standards for Accessible Design." The aforementioned document defines the acceptable and allowed construction tolerances above or below the requirements established in the 2010 ADA Standards for barriers related to:

- Accessible Parking
- Pedestrian Path of Travel
- Building Entrances
- Interior Spaces

The scope of the ADA Assessment, as defined in the scope of work, is limited to exterior and interior areas covered by the ADA.

Based on the onsite review, EMG found that barriers to accessibility exist at Northwood High School. The observed elements were analyzed using the 2010 ADA Standards for Accessible Design and state accessibility codes.

1.1 Accessibility Summary Table

Based on the onsite review, EMG found that barriers to accessibility exist at Northwood High School. The observed elements were analyzed using the 2010 ADA Standards for Accessible Design and state accessibility codes.

EMG's assessment of the subject property identified the following areas of concern:

Facility / Building	Priority 1 Items	Priority 2 Items	Priority 3 Items	Priority 4 Items	Priority 5 Items	Total Items
Northwood High School	55	14	13		13	96
Grand Total	55	14	13		13	96

1.2 Barrier Summary Table

The following table summarizes the barriers that were identified. The costs provided are order of magnitude estimates. Costs will vary depending upon the location and volume of work performed. Individual observation details may be found in Appendix A.

Id	Facility	Building	Assembly	Type	Barrier Priority	Detail	Location Description	ADA
112862	Northwood High School	EXTERIOR	Amenity Not Evaluated	Amenity Not Evaluated	0	The amenity is under construction and cannot be evaluated.	Modular Units	ADA
112723	Northwood High School	ATHLETIC FIELDS	Exterior Access Route	Exterior Accessible Route	1	A compliant accessible route is not provided from the public access to the amenity.	Baseball Field	ADA
112748	Northwood High School	ATHLETIC FIELDS	Exterior Access Route	Basketball Court	1	An accessible route does not directly connect each side of the court outside the play lines.	Basketball Court	ADA
112718	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The ramp is required but not provided.	Ramp R14	ADA
112719	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The handrails are not compliant.	Ramp R14	ADA
112725	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 22	ADA
112726	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has gaps in the surface greater than 1/2" wide.	Sidewalk from CR4 to R9	ADA
112727	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The handrails are not compliant.	Ramp R9	ADA
112728	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).	Ramp R9	ADA
112729	Northwood High School	EXTERIOR	Exterior Access Route	Stairs	1	Handrails are not provided.	Stair STR3	ADA
112730	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has gaps in the surface greater than 1/2" wide.	Sidewalk from R9 to R10	ADA
112731	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 25	ADA
112732	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has cross slopes greater than 1:50 (2%).	Sidewalk from R10 to STR4	ADA
112733	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has cross slopes greater than 1:50 (2%).	Sidewalk from STR4 to R12	ADA
112734	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The ramp is required but not provided.	Ramp R12	ADA
112735	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The handrails are not compliant.	Ramp R12	ADA
112736	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 28	ADA
112744	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	Sidewalk has areas of vertical level changes in excess of 1/4" that are not ramped.	Stadium	ADA
112745	Northwood High School	EXTERIOR	Exterior Access Route	Stairs	1	Handrails are not provided.	Door 19	ADA
112746	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The ramp is required but not provided.	Ramp R3	ADA
112747	Northwood High School	EXTERIOR	Exterior Access Route	Ramp	1	The handrails are not compliant.	Ramp R3	ADA
112750	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has gaps in the surface greater than 1/2" wide.	Sidewalk near Door 4	ADA
112751	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 5	ADA
112753	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 8	ADA
112754	Northwood High School	EXTERIOR	Exterior Access Route	Stairs	1	Handrails are not provided.	Stair STR2	ADA
112755	Northwood High School	EXTERIOR	Entrance to Building	Building Entrance-Door	1	The maneuvering clearance at the accessible door is not level and clear.	Door 3	ADA
112756	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The accessible route has cross slopes greater than 1:50 (2%).	Sidewalk near CR4	ADA
112757	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	1	The bus stop boarding and alighting area is not compliant.	Curb Ramp CR3	ADA
112758	Northwood High School	EXTERIOR	Exterior Access Route	Curb Ramp	1	The curb ramp does not meet the slope requirements.	Curb Ramp CR1	ADA
112828	Northwood High School	INTERIOR	Interior Access Route	Ramp	1	The ramp running slope exceeds 1:12 (8.33%).	Ramp R1	ADA
112829	Northwood High School	INTERIOR	Interior Access Route	Ramp	1	Handrail heights are not compliant.	Ramp R1	ADA



Id	Facility	Building	Assembly	Type	Barrier Priority	Detail	Location Description	ADA
112830	Northwood High School	INTERIOR	Interior Access Route	Stairs	1	Handrails are not compliant.	All Stairs	ADA
112838	Northwood High School	INTERIOR	Interior Access Route	Stairs	1	Handrail extensions are not compliant.	Auditorium	ADA
112840	Northwood High School	INTERIOR	Interior Access Route	Stairs	1	Handrail extensions are not compliant.	Auditorium	ADA
112737	Northwood High School	PARKING LOTS	Accessible Parking	Parking Spaces-General	1	MARYLAND: The minimum number of accessible parking spaces is not provided.	Parking Lot 4	State of Maryland
112738	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: A van access aisle is not provided.	Parking Lot 4	State of Maryland
112739	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 4	State of Maryland
112740	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage at the space is not provided.	Parking Lot 4	State of Maryland
112741	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage indicating "No Parking in Access Aisle" at van access aisle is not provided.	Parking Lot 4	State of Maryland
112760	Northwood High School	PARKING LOTS	Accessible Parking	Parking Spaces-General	1	MARYLAND: The minimum number of accessible parking spaces is not provided.	Parking Lot 3	State of Maryland
112762	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage indicating "No Parking in Access Aisle" at van access aisle is not provided.	Parking Lot 1	State of Maryland
112764	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: A van access aisle is not provided.	Parking Lot 3	State of Maryland
112766	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 3	State of Maryland
112767	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 3	State of Maryland
112768	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage at the space is not provided.	Parking Lot 3	State of Maryland
112770	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage indicating "No Parking in Access Aisle" at van access aisle is not provided.	Parking Lot 3	State of Maryland
112843	Northwood High School	PARKING LOTS	Accessible Parking	Parking Spaces-General	1	MARYLAND: The minimum number of accessible parking spaces is not provided.	Parking Lot 5	State of Maryland
112844	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: A van access aisle is not provided.	Parking Lot 5	State of Maryland
112845	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 5	State of Maryland
112846	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage at the space is not provided.	Parking Lot 5	State of Maryland
112847	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage indicating "No Parking in Access Aisle" at van access aisle is not provided.	Parking Lot 5	State of Maryland
112852	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: A van access aisle is not provided.	Parking Lot 6	State of Maryland
112853	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 6	State of Maryland
112854	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	1	MARYLAND: Compliant signage is not provided at the space.	Parking Lot 6	State of Maryland
112855	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage at the space is not provided.	Parking Lot 6	State of Maryland
112856	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	1	MARYLAND: Signage indicating "No Parking in Access Aisle" at van access aisle is not provided.	Parking Lot 6	State of Maryland
112722	Northwood High School	ATHLETIC FIELDS	Baseball/Softball Field	Bleacher Seating	2	The required number of wheelchair spaces is not provided at the bleacher seating for the ball field.	Baseball Field	ADA



Id	Facility	Building	Assembly	Type	Barrier Priority	Detail	Location Description	ADA
112749	Northwood High School	ATHLETIC FIELDS	Exterior Access Route	Gate	2	The gate does not have a smooth surface within 10" of the ground measured vertically on the push side extending the full width of the gate.	Basketball Court	ADA
112720	Northwood High School	EXTERIOR	Exterior Access Route	Gate	2	The gate does not have a smooth surface within 10" of the ground measured vertically on the push side extending the full width of the gate.	Tennis Courts	ADA
112724	Northwood High School	EXTERIOR	Site Furnishings	Trash Receptacle Without Operable Lid	2	A trash receptacle is not located on an accessible route and within reach range.	Baseball Field	ADA
112742	Northwood High School	EXTERIOR	Exterior Access Route	Gate	2	The gate does not have a smooth surface within 10" of the ground measured vertically on the push side extending the full width of the gate.	Ticket Booth	ADA
112743	Northwood High School	EXTERIOR	Common Areas	Service Counter	2	The service counter does not have 36" wide section that is 36" maximum above finished floor that is oriented for a parallel approach, or the service counter does not have a 30" wide section that is 36" maximum, with knee and toe clearance, that is oriented for a forward approach.	Ticket Booth and Concession Stand	ADA
112752	Northwood High School	EXTERIOR	Site Furnishings	Picnic Table	2	The picnic table does not allow a clear space for forward wheelchair approach with knee and toe clearance.	Patio	ADA
112774	Northwood High School	INTERIOR	Interior Access Route	Door	2	The surface of the door within 10" of the finish floor or ground for the full width of the door on the push side is not smooth.	Cafeteria	ADA
112776	Northwood High School	INTERIOR	Interior Access Route	Signage	2	Means of egress exit signs do not have tactile lettering.	Thru Out School	ADA
112835	Northwood High School	INTERIOR	Common Areas	Assembly Area	2	Assembly areas do not provide wheelchair spaces.	Auditorium	ADA
112836	Northwood High School	INTERIOR	Common Areas	Assembly Area	2	Assembly areas do not provide companion spaces	Auditorium	ADA
112837	Northwood High School	INTERIOR	Common Areas	Assembly Area	2	Assembly areas do not provide compliant aisle seats.	Auditorium	ADA
112817	Northwood High School	RESTROOMS	Restroom	Protruding Object	2	The restroom circulation path is not free of objects protruding more than 4" from wall in the space between 27" and 80" height above finish floor.	B117	ADA
112820	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Urinal	2	The urinal dimensions are not compliant.	A118	ADA
112721	Northwood High School	EXTERIOR	Exterior Access Route	Exterior Accessible Route	3	A compliant accessible route is not provided from the public access to the amenity.	Baseball Field	ADA
112814	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Water Closet	3	The side grab bar at the water closet is not compliant.	B117	ADA
112815	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Water Closet	3	The water closet in a wheelchair stall in a multi-stall restroom does not have the required clearance.	B117	ADA
112816	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Water Closet	3	The flush control is located on the closed side and/or is not within reach range.	B117	ADA
112818	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Lavatory	3	The lavatory is mounted higher than 34" to the higher of the rim or counter.	B117 and A118	ADA
112819	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Mirror	3	The bottom of the reflective surface of the mirror is mounted higher than 40".	B117 and A118	ADA
112822	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Toilet Stall	3	A wheelchair stall is not provided in a multi-user restroom.	C110 and C114	ADA
112823	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Door	3	The pull side of the accessible door does not have the required maneuvering clearances.	C110 and C114	ADA

Id	Facility	Building	Assembly	Type	Barrier Priority	Detail	Location Description	ADA
112824	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Urinal	3	The urinal dimensions are not compliant.	C114	ADA
115863	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Water Closet	3	The space between the grab bar and projecting objects above the grab bar is less than 12" minimum.	B117	ADA
115864	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Roll-In Shower Stall	3	The curb of the roll-in shower stall is more than ½" high.	Boys and Girls Locker Room	ADA
115865	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Shower	3	The shower spray unit is not compliant.	Girls and Boys Locker Rooms	ADA
115866	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Shower	3	The shower does not have sidewalls or grab bars.	Boys and Girls Locker Rooms	ADA
112826	Northwood High School	INTERIOR	Locker and Dressing Rooms	Locker and Dressing Rooms	5	The locker room does not have accessible lockers.	D148B and D102B	ADA
112827	Northwood High School	INTERIOR	Locker and Dressing Rooms	Locker and Dressing Rooms	5	The locker room does not have a compliant bench.	D148C and D102C	ADA
112761	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Van	5	MARYLAND: The van access aisle is less than 96" wide.	Parking Lot 1	State of Maryland
112771	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	5	An access aisle is not provided.	Parking Lot 3	ADA
112848	Northwood High School	PARKING LOTS	Accessible Parking	Parking Space-Car	5	An access aisle is not provided.	Parking Lot 5	ADA
112800	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom	5	The entire restroom is not compliant due to limited room dimensions.	B110B	ADA
112802	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Door	5	The door has less than 32" clear width.	B110B	ADA
112805	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Toilet Stall	5	A wheelchair stall is not provided in a multi-user restroom.	B137B and B137A	ADA
112807	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Urinal	5	The urinal dimensions are not compliant.	B137B	ADA
112808	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Lavatory	5	Pipes are not insulated.	B137B and B137A	ADA
112810	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Door	5	The pull side of the accessible door does not have the required maneuvering clearances.	B137B and B137A	ADA
112821	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom-Water Closet	5	The water closet in a single/user or unisex restroom does not have the required clearance.	C100L and C100K	ADA
112825	Northwood High School	RESTROOMS	Restroom	Restroom/Bathroom	5	The entire restroom is not compliant due to limited room dimensions.	D148C	ADA