PROJECT REPORT
VOLUME 1

Accessibility Upgrades Study
State University at Albany, New York

Project No. 011014

prepared for

State University Construction Fund

prepared by

Hyman Hayes Associates

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UALBANY
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Section One

EXECUTIVE SUMMARY

INTRODUCTION

The State University Construction Fund retained Hyman Hayes Associates to conduct an accessibility upgrades study at buildings and sites on both the Uptown and Downtown campuses of the State University of New York at Albany. The study is based on the Building Code of New York State, 2010 ADA Standards for Accessible Design and Title II of the ADA Standards. The fieldwork was completed during the summer and fall of 2016. The purpose of the study was to assess the accessibility of the areas included in this report and provide recommendations for greater accessibility. Recommendations are provided with consideration of any burdensome effects, which in turn may preclude remediation due to the impact on existing facilities, as defined by the Department of Justice.

According to the State University of New York at Albany, herein referred to as SUNY Albany, the University facilities accommodate a student population of about 17,000 and over 1,200 faculty, some of whom possess disabilities. The buildings at both the Uptown and Downtown campuses were largely designed and built prior to the enactment of the 1990 Americans with Disabilities Act (ADA). The facilities were built to then building and code standards at the time of construction, however the University seeks to make improvements, where possible, to upgrade facilities to today's standards; there have been ongoing projects to upgrade the facilities, including accessible dormitory suites, Podium ramps, elevator upgrades, accessible parking, curb cuts/accessible paths, and elevators added to Milne and Richardson Halls. Accessible features reviewed as part of this study include: accessible routes, entrances, vertical and horizontal circulation, signage and wayfinding, accessibility-related safety concerns, and parking. There are some instances noted that, while they do not meet the strict letter of the law on tolerances, may be imperceptible to the casual user.

The study will aid SUNY Albany by identifying physical barriers to accessibility that remain on campus and provide guidance in determining how best to expend limited resources given the pressures of ADA priorities, the concerns of the Disability Resource Center, Facilities Management, and historic preservation. Under Title II of the ADA, which applies to state and local government entities, the United States Department of Justice provides a prioritized list for the removal of physical barriers, which is addressed in this report. While Title II requires that places of public accommodations are to provide for the removal of physical and programmatic barriers to ensure equal access to equal services for all users, it provides exceptions for existing facilities where modifications may pose an undue burden or compromise the historic integrity of spaces. It acknowledges that the work involved to improve accessibility in existing and historic facilities can in many instances place a heavy financial burden on an institution and significantly impact the use of space. Consequently, it may be found that providing disabled individuals with reasonable accommodations on campus can be achieved in other ways. In lieu of invasive and costly renovations, accessibility can also be provided through administrative and scheduling policies that previously have been and will continue to be utilized by the University.

This report will provide the State University Construction Fund (SUCF) and SUNY Albany with a comprehensive assessment of existing conditions and a prioritized implementation plan to upgrade the facilities to best accommodate people with disabilities, while recognizing that there are provisions afforded to state entities by the Department of Justice exempting work that will harm the historic character of facilities or pose an undue financial or logistical burdens, so long as

institutions provide equal access to equal services in other ways. The goal is to provide equal learning and teaching opportunities for all faculty and students at the University.

BACKGROUND: ADA, ANSI 117.1, NY STATE UNIFORM CODES

The Americans with Disabilities Act (ADA) is a civil rights legislation that was signed into law in 1990. It is a statute that prohibits discrimination based on disability and requires that disabled individuals be provided the same opportunities available to all Americans. The ADA defines a disability as a physical or mental impairment that substantially limits one or more major life activity, and also identifies a disabled person as one who has a history or record of the aforementioned impairment, or a person who is perceived by others as having such an impairment (§12102.1).

As a state entity SUNY Albany is required to follow the ADA Standards for Accessible Design (ADAAG), which are enforceable standards for new construction, alterations, program accessibility, and barrier removal where reasonable.

Title II of the ADA recognizes that there may be challenges faced by state entities that preclude some remediation of physical barriers. Section 35.150 acknowledges that the "services, programs, or activities" listed above can be approached in a larger sense where not every facility is fully compliant but that equal access to services, programs, or activities is equally provided to people with disabilities in some capacity. The accommodation may be provided in a physical sense, with the removal of physical barriers, or through policy changes that allow for equal access at a designated accessible location. Section 35.150 also provides exceptions where remediation would pose an undue financial burden on the public entity, or threaten the historic character of a facility.

> ***§ 35.150 Existing facilities***
> *(a) General. A public entity shall operate each service, program, or activity so that the service, program, or activity, when viewed in its entirety, is readily accessible to and usable by individuals with disabilities. This paragraph does not—*
> > *(1) Necessarily require a public entity to make each of its existing facilities accessible to and usable by individuals with disabilities;*
> > *(2) Require a public entity to take any action that would threaten or destroy the historic significance of an historic property; or*
> > *(3) Require a public entity to take any action that it can demonstrate would result in a fundamental alteration in the nature of a service, program, or activity or in undue financial and administrative burdens. In those circumstances where personnel of the public entity believe that the proposed action would fundamentally alter the service, program, or activity or would result in undue financial and administrative burdens, a public entity has the burden of proving that compliance with §35.150(a) of this part would result in such alteration or burdens. The decision that compliance would result in such alteration or burdens must be made by the head of a public entity or his or her designee after considering all resources available for use in the funding and operation of the service, program, or activity, and must be accompanied by a written statement of the reasons for reaching that conclusion. If an action would result in such an alteration or such*

> *burdens, a public entity shall take any other action that would not result in such an alteration or such burdens but would nevertheless ensure that individuals with disabilities receive the benefits or services provided by the public entity.*

The United States Department of Justice in Title II Section 28 CFR 35.151.b.iii further describes undue burden through the concept of disproportionality, as stated below:

> *(A) Alterations made to provide an accessible path of travel to the altered area will be deemed disproportionate to the overall alteration when the cost exceeds 20% of the cost of the alteration to the primary function area.*
> *(B) Costs that may be counted as expenditures required to provide an accessible path of travel may include:*
> *(1) Costs associated with providing an accessible entrance and an accessible route to the altered area, for example, the cost of widening doorways or installing ramps;*
> *(2) Costs associated with making restrooms accessible, such as installing grab bars, enlarging toilet stalls, insulating pipes, or installing accessible faucet controls;*
> *(3) Costs associated with providing accessible telephones, such as relocating the telephone to an accessible height, installing amplification devices, or installing a text telephone (TTY); and*
> *(4) Costs associated with relocating an inaccessible drinking fountain.*

Title II provides a process for addressing accessibility in the event of disproportionality. The below priority list identifies the accessible elements to be provided by a state entity, with the intention of providing the greatest access to disabled persons, in the following order:

> *(1) An accessible entrance;*
> *(2) An accessible route to the altered area;*
> *(3) At least one accessible restroom for each sex or a single unisex restroom;*
> *(4) Accessible telephones;*
> *(5) Accessible drinking fountains; and*
> *(6) When possible, additional accessible elements such as parking, storage, and alarms.*

In addition to the ADAAG, facilities must also meet the requirements of ANSI A117.1. The American National Standards Institute (ANSI) is a private, non-profit organization that oversees standards in a variety of areas, including accessibility requirements. The organization publishes ANSI A117.1 Accessible and Usable Buildings and Facilities, which is referenced by building codes, along with ADAAG. The standards in ANSI A117.1 are largely similar to the ADAAG. Where ANSI and ADAAG differ, a facility should satisfy the more stringent requirement. ANSI requirements were included in the accessibility checklist used for this report. Refer to Appendix C.

The New York State Uniform Fire Prevention and Building Code, herein identified as the Uniform Code, adopts and references ANSI standards. Although the regulations are similar in ADAAG and ANSI, they are not necessarily identical. In cases where the Uniform Code is found to be more stringent, the University is held to the more stringent standard for new construction and alterations of existing spaces.

The consultant team reached out to the New York State Department of State, Division of Building Standards and Codes for verification of building code requirements pertaining to existing buildings. According to the Department of State, applicable accessibility provisions are not retroactive for existing facilities but are triggered when a building is altered. However, at the federal level, the Department of Justice maintains that existing facilities should make reasonable accommodations to provide accessibility. The Department of State indicated that local code officials would oversee the adoption of the Federal requirements through the building permit process for construction.

SUNY ALBANY DISABILITY ADVOCACY

The University has been actively engaged in advocacy for disabled students and faculty on campus. Prior to the fieldwork phase of the study the project team conducted a focus group with members of the SUNY Albany Disability Resource Center (DRC), as well as disabled students and staff (Refer to Meeting Minutes 02, Appendix A). The organization is intended to aid people with disabilities by advocating for upgrades to facilities or services.

At the meeting, disability advocates noted that there are individuals on campus who possess visible and nonvisible disabilities. Disabilities may be readily noticeable, such as with a casted foot injury, or not apparent, which may be the case for a person who suffers from low mobility, or has a disability that is adversely affected by cold-weather. A person may be ambulatory but limited in the distance or length of time at which they are able to move. The need for shorter accessible routes and ease of access was stressed at the meeting to accommodate individuals with low mobility and also for more direct accessible routes in general through the campuses. The need for more efficient access was stressed particularly for the Lecture Center, which would allow better access to the various spaces for people with disabilities.

It was noted by disabled students and faculty that door hardware on many doors on campus has proven difficult for some; door knobs, thumb latches, and push button locks can be difficult for someone with dexterity limitations. Door weight was also noted as being difficult for people with low upper body mobility.

The DRC also asked that the University review possible ways to address signage for disabled individuals. While the campus has made considerable efforts in providing equal signage, additional information on signs available to those with visual impairments would be beneficial.

Site issues discussed by the DRC included travel distance for individuals with mobility limitations, as well as a review of ramp conditions and edge protection. It was requested that the project team assess the existing routes and propose more direct routes that the University can reasonably provide through the campuses to improve access for disabled persons.

SUNY ALBANY HISTORIC HERITAGE

Prior to this study, the University was awarded a grant by the J. Paul Getty Foundation that is intended to assist colleges and universities in maintaining the historic integrity of campus features. The grant contributed to the funding of the University's Campus Heritage Preservation

Plan which is a report that identifies and analyzes the architecturally significant features of the original Uptown Campus designed by architect, Edward Durell Stone. The Getty grant initiative recognized the campus for its historic architectural significance. The Preservation Plan is intended to serve as a guide for future development and renovations in a manner that preserves the historic character of the campus.

As noted in the Preservation Plan the original buildings designed by Edward Durell Stone were built between 1962 and 1971. Many of the original features remain on campus today, and are cataloged in the report. The campus and its many features are noted not just for their individual importance as part of the architectural period from which they were developed, but also for the campus's place in Governor Nelson Rockefeller's development of the statewide university system.

As noted at the 11/10/17 meeting (Appendix A) the State Historic Preservation Office (SHPO) also plays a role in determining the historic character of buildings, including those at both the Uptown and Downtown campuses of SUNY Albany.

The Department of Justice (DOJ) provides exemptions to institutions for accessibility remediation if such remediation will threaten the historic character of a facility. An institution is exempted from upgrading facilities to conform to ADA standards if reasonable efforts are made to provide equal access to equal services for disabled individuals. The study will assess accessibility, and prioritize the recommended upgrades with consideration of maintaining the historic character of the campuses for future generations.

RECOMMENDATIONS

The University has been proactive in addressing accessibility issues on campus in recent years through policy changes and ongoing renovation projects. It is commonly acknowledged that it can be challenging for historic facilities and institutions to provide perfect compliance, but the University continues to make strides toward improving accessibility.

The recommendations set forth in this report are based on the provisions in the 2010 ADAAG, interviews conducted with the SUNY Albany Disability Resource Center, discussions with members of the University's Office of Facilities Management and SUCF, and documentation provided by SUNY Albany regarding on-campus accessibility.

While the study is intended to be a comprehensive accessibility review, the University does not intend it to be interpreted as a recommended upgrade and modification list given other cost, implementation, and historic preservation factors that SUNY Albany must consider. Thus the recommendations are an effort to prioritize the upgrades and modifications that have the greatest benefit to the greatest number of potentially impacted persons. The University reviewed and weighed the recommendations, identified priorities based on impact level, and continues to make progress toward improving accessibility on campus.

Section Two

ACCESSIBILITY REVIEW

EXISTING CONDITIONS REVIEW UPTOWN CAMPUS - SITE

The existing conditions fieldwork was conducted for the Uptown Campus based on the locations of accessible parking spaces and the shortest routes from those parking spaces to an ADA accessible building entrance. ADA accessible routes were also established from CDTA and campus bus stops along the shortest route to an ADA accessible building entrance.

Fully ADA accessible routes, per the ADA Accessibility Guidelines (ADAAG), were not provided between all campus buildings. Evaluations were made based on the distance of travel. If the distance of travel between buildings was longer than the distance to an ADA parking space, it was determined that the person would most likely return to their car and drive to the new building location to access that facility from the designated ADA parking spaces.

General Site Evaluation Background

The Uptown Campus exterior site study was completed by M.J. Engineering and Land Surveying (MJ) during the summer and fall of 2016. MJ evaluated all handicap parking spaces and accessible routes from those spaces to the nearest building entrance, and any routes to accessible doors that could be accessed from the nearest CDTA or campus bus stop. Any bus stops located near, but not on the campus were not evaluated, as these would not be the preferred location for access to the campus buildings.

MJ personnel developed several ADAAG checklist evaluation forms (See Appendix B) to accurately evaluate each route, ramp, curb ramp and parking space along an identified accessible route. Accessible route surface slopes were evaluated using a four foot (4') digital level. The level has an accuracy of 1 degree (or 0.17% slope) as stated in the manufacturer's literature. Prior to use, the digital level was calibrated. Surface slope measurements were obtained in the following manner:
Accessible Routes - Slopes measured at 20' max intervals
Ramp – Slopes measured at landings, top, bottom, middle (several if needed)
Parking Spaces – slopes measured along both sides at top, middle and bottom.

The accessibility upgrade items observed during the evaluation were documented on the drawings by categorizing them into a numbering code that corresponds to the legend on the drawings. Each number references an ADAAG accessibility requirement category.

For parking spaces, the accessibility upgrade items noted on the drawings apply to the designated cluster of spaces, but may not apply to each individual space.

Summary tables, provided in Appendix D, provide the components evaluated for each route, ramp and parking space during the ADA field investigation and notes the accessibility upgrade items.

The Uptown Campus is laid out in such a way that not all handicap parking is provided in parking lots. However, per the 2010 ADA standards section 208.3.1, exception 2: *"Parking spaces shall be permitted to be located in different parking facilities if substantially equivalent or greater accessibility is provided in terms of distance from an accessible entrance or entrances, parking fee,*

and user convenience." Therefore, the campus parking is being evaluated as an overall number of parking spaces provided on campus, as applicable to the Podium area.

However, section 208.2 of the current code, requires *"when more than one parking facility is provided on site, the number of accessible spaces provided on the site shall be calculated according to the number of spaces required for each parking facility."* Therefore, the quantities of parking spaces recorded on the field reports is based on the totals for each lot or designated lot area on campus.

To determine the total number of parking spaces required on campus, the evaluation was broken into areas providing their own distinct parking lots and the remainder as a consolidated area around the Podium. Below are the locations that were broken into their own parking lots/areas:

- Freedom Apartments – complies
- Empire Commons - complies
- Liberty Terrace - complies
- Sculpture Studio - complies
- Management Services Center - complies
- University Administration Building - complies

The remaining parking on campus was evaluated under the ADA parking exemption. The overall Uptown Campus around the Podium has 2,814 parking spaces, of which 130 are ADA accessible spaces (calculated per parking facility per Section 208.2). Based on the current number of spaces provided, the campus is required to provide 74 ADA spaces. The Campus has met the ADA requirement for total ADA parking spaces. Additionally, the total number of van accessible parking spaces to be provided is 27 spaces. The campus currently has 32 spaces. Overall the Campus complies with the ADA standards for minimum quantity of parking spaces (§208.2).

In review of the 2015 International Building Code, NYS Uniform Code Supplement (§1106.1.1), all accessible aisles must be a minimum of 8 feet wide. By complying with this requirement, all accessible aisles in New York State will now meet the 2010 ADA standards definition of a van accessible space.

Since the NYS Uniform Code Supplement requires all accessible aisles to be a minimum of 8' wide, it will be at the discretion of the campus as to whether or not they want to require "Van Accessible" parking signs for all future ADA parking spaces.

The NYS Uniform Code Supplement also requires that all accessible parking space be provided with signage displaying the International Symbol of Accessibility (§1106.8). It is noted that the NYS Assembly Bill No. A08193, passed October 4, 2013; and the NYS Senate Bill No. A06846, passed March 19, 2014; requiring the use of the "Dynamic Logo" (i.e. Active Handicap Logo). These laws have not been codified in the NYS Uniform Code Supplement.

The topic of a potential contradiction between the NYS Uniform Code Supplement and laws passed by the State Assembly and Senate was discussed with SUCF. It was determined through SUCF's interpretation that the Dynamic Logo should be utilized when new markings are installed, but not to replace existing symbols as a stand-alone effort.

During preliminary discussions with the campus, it is understood that the campus policy is to install detectible warning surfaces at all pedestrian crossings. Under the current 2010 ADA standards detectible warning surfaces are not required to be installed, therefore they were not evaluated. Detectible warning surfaces are currently only required by the ADA public transportation facilities and vehicles (i.e. 2006 DOT ADA Standards). All locations of detectible warning surfaces will be noted on the evaluation forms if present and if they comply with the current standards, for reference purposes only.

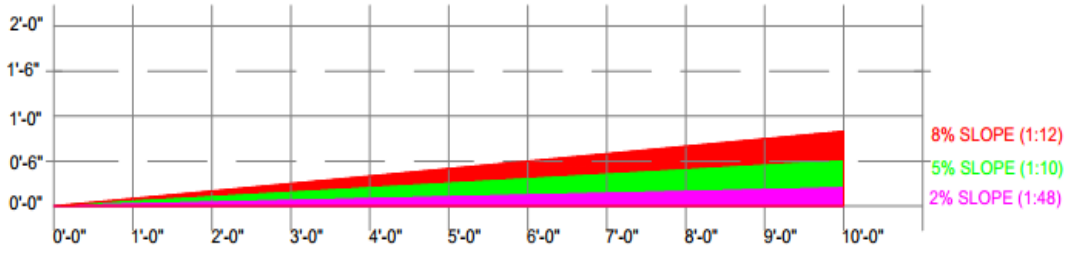
Accessible Routes

The original Uptown Campus buildings were built in the early 1960's, approximately 25-30 years prior to the enactment of the Americans with Disabilities Act, which was put into law in 1990. Therefore, it can easily be assumed most buildings and routes on campus would not fully meet ADA regulations unless the campus had renovated it post 1990. The following list identifies accessible route barriers observed at the Uptown Campus and identified on the Appendix G drawings.

- Ground Surfaces (§302) – Many locations onsite were found to have areas along the accessible route that were not stable, firm, slip resistant or that contained openings in the ground greater than ½" diameter. These conditions were most notably caused by deteriorated concrete surfaces, expansion joints missing sealant, low spots on the route that caused observed water ponding, or catch basins located within the accessible route that have grates with openings greater than ½" (which exceed ADA limitations).

- Change in Level (§303) – A change in level greater than ¼" was most notably observed in areas where frost heave has resulted in change in elevation from one concrete panel to another. In other areas, flush curbs along the accessible route have created vertical changes greater than ¼".

- Slopes (§403.3) – Walking surfaces are required to have a running slope no steeper than 1:20 (5%), and a cross slope greater than 1:48 (2.08%). Slopes that exceed ADA limits (cross or running) were the most prevalent on campus with approximately 33 of the 91 accessible routes recommended for upgrading at one or more locations along its route.



- Clear Width (§403.5) – The clear width required for a walking surface is 36" minimum. Only a few locations were observed that did not meet the minimum requirement and those few locations were due to movable obstructions being placed on the accessible route, reducing the width to less than acceptable dimensions.

- Handrails (§505) – Handrails are not required on walking surfaces with running slopes less than 5%, however, if they are provided then they must comply with section 505. There were no observed situations where handrails where provided on a walking surface.

Ramps

The following list identifies ramp accessibility barriers observed at the Uptown Campus. Refer to Appendix G for locations of identified upgrade items.

- Running Slope (§405.2) – Ramps are required to have a running slope not steeper than 1:12 (8.33%). Original ramps around the Uptown Campus had several locations of only one concrete panel being problematic on an entire ramp. Running slope issues were observed on 9 of the 12 ramps leading up to the Podium second level.

- Cross Slope (§405.3) – Ramps are required to have a cross slope not steeper than 1:48 (2.08%).

- Floor and Ground Surfaces (§405.4) – Floor and ground surfaces of ramp runs shall be stable, firm, slip resistant and changes in level other than running and cross slope are not permitted. Only three (3) locations were found to have ramps that were not stable, firm, slip-resistant or that contained openings in the ground greater than ½" diameter. Two (2) of these items were created by changes in level at the transition piece of movable metal ramps. The other condition was observed due to deterioration of the concrete surface of the ramp.

- Landings (§405.7) – Landings are required at the top and bottom of all ramp runs. Landings must be a minimum of 60" in the direction of travel and must be as wide as the ramp. Additionally, landings allow for change in direction and therefore slopes must be no greater than 1:48 (2.08%) in either direction. Two items were observed and one was found to be caused by insufficient landing length, while the other was a result of greater than 2.08% slope on the landing.

- Handrails (§505) – Ramp runs greater than 6" vertical rise are required to have handrails complying with section 505. Nineteen (19) of the twenty one (21) ramps on the Uptown Campus are recommended for accessibility improvements per section 505 handrail requirements. There is a separate project currently underway that addresses this item.

- Edge Protection (§405.9) – Each side of a ramp must provide edge protection to prevent a wheelchair caster or crutch tip from slipping off the ramp surface. One upgrade item condition was observed under this category.

Curb Ramp

Curb Ramps are considered to be a type of ramp and therefore the first four requirements below are the same as required above for a standard ramp. Curb ramps are designed to address the transition through a curb cut, allowing a pedestrian to traverse a vehicular way. Refer to Appendix G for location of identified upgrade items.

- Running Slope (§405.2) – Ramps are required to have a running slope not steeper than 1:12 (8.33%). Several curb ramps were observed to have exceeded the running slope maximum.

- Cross Slope (§405.3) – Ramps are required to have a running slope not steeper than 1:48 (2.08%). Several curb ramps exceeded the cross slope maximum.

- Floor and Ground Surfaces (§405.4) – Curb ramps are to provide ramps that are stable, firm, slip resistant and do not contain openings in the ground greater than ½" diameter. Many of the curb ramps were observed to be experiencing settling of either the adjacent flush curb or the tactile warning surface. In some instances, the adjacent pavement may also have settling creating ponding water at the bottom of the curb ramp.

- Counter Slopes (§406.2) – Counter slopes of adjacent road surfaces shall not be steeper than 1:20 (5%). The adjacent road surface shall be level at the transition to the curb ramp. 6 of 52 locations were observed to steeper than the ADA limits.

- Sides of Curb Ramps (§406.3) – Where provided, curb ramp flares shall not be steeper than 1:10 (10%). About forty percent (19 of 44) of the curb ramp flares were observed to be steeper.

- Landings (§406.4) – Landings are required at the top of curb ramps. Landings are to be at least as wide as the curb ramp (excluding flares) and a minimum of 36" long. In instances of alterations where no landing is provided, the curb ramp flares must be no steeper than 1:12 (8.33%). In most instances, landings were provided to the required dimensions, however, where landings did not provide the appropriate length, the curb ramp flares were too steep to meet the exception rule.

- Locations (§406.5) – Curb ramps and flares are to be located so that they do not project into vehicular traffic lanes, parking spaces or parking access aisles. Curb ramps at marked crossing shall be wholly contained within the markings, excluding any flares. Only one location was observed to be problematic because the ramp was not wholly within the marked crossing. Additionally, the marked crossing was not painted correctly.

- Diagonal Curb Ramps (§406.6) – Where diagonal curb ramps are provided, they shall have edges parallel to the direction of pedestrian flow. The bottom of the diagonal curb ramp shall have a clear space of 48" minimum outside active traffic lanes. Diagonal curb ramps provided at marked crossings shall have a 48" minimum clear space within the markings.

Where flares are provided, a minimum of 24" long segment beyond the flare shall be within the marked crossing. There are two locations onsite that are a cross between a diagonal curb ramp and some other accessible feature. Both locations are part of the accessible routes out of the State Faculty/Staff Parking lot.

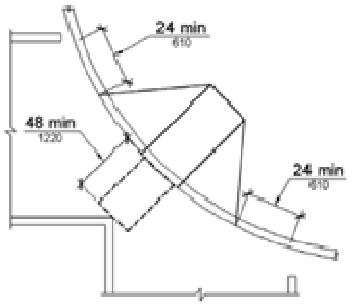


Figure 406.6
Diagonal or Corner Type Curb Ramps

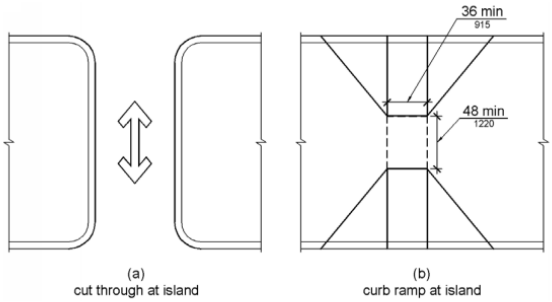


Figure 406.7
Islands in Crossings

Islands (§406.7) – Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. There are no islands provided on campus and therefore this section is not applicable.

Parking Spaces

The Uptown Campus has 2,814 parking spaces, of which 130 parking spaces were evaluated for ADA compliance.

During the ADA evaluation, parts of Colonial Quad and surrounding areas were under construction (See Appendix G) resulting in some parking spaces along Colonial Quad Drive being inaccessible for evaluation (i.e. behind the construction fence). Therefore, during the ADA evaluation, only those parking spaces outside the construction areas were assessed. The number of parking spaces within the construction areas could not be properly quantified; therefore, they are not included in the overall determination of parking spaces on-site.

- Vehicle Spaces (§502.2) – Parking spaces are to be a minimum of 8′ wide for a car space and 11′ wide for a van space. Additionally, if an accessible aisle is 8′ wide, then a van space can be reduced to 8′ wide. Based on the 2016 NYS Uniform Code Supplement, all accessible aisles are now required to be 8′ wide. Therefore, any ADA parking space that meets the minimum 8′ width requirement will meet both the car and van accessible space requirements. Parking spaces are to be measured from the centerline of the paint marking. The majority of parking spaces were observed to be between and 8′ and 9′ wide.
- Access Aisle (§502.3) – Access aisle shall adjoin an accessible route and can be shared by two accessible parking spaces. When designing the layout for parking and accessible routes, it is preferred that the route not cross behind parked cars and that marked crossings be provided when the accessible route must cross vehicular traffic lanes. During this evaluation, notes were made on the evaluation forms (See Appendix B) stating when preferences were not taken, but they were not identified as an upgrade item in this report.

- Accessible aisles are required to be 5' wide based on the 2010 ADA Standards but are required to be 8' wide based on the 2016 NYS Uniform Code Supplement, as well as the preceding 2010 New York State Building. Since the date of each parking lot striping is unknown, the spaces were evaluated based on the 2010 ADA Standards, but any improvements moving forward will be required to comply with the NYS 2015 Supplement to the IBC.

  Accessible aisles are to extend the full length of the parking spaces they serve and they shall be marked so as to discourage parking in them. Additionally, the new 2016 NYS Uniform Code Supplement requires "No Parking Anytime" signage be provided for each accessible aisle. Accessible aisles shall not overlap the vehicular way.

  Accessibility upgrade items were observed for all the criteria of an accessible aisle, however, at most locations this was a result of insufficient signage.

- Slope & Surfaces (§502.4) – Parking spaces and access aisles are to be firm, stable, and slip resistant. Additionally, slopes greater than 1:48 (2.08%) in any direction are not allowed. Approximately 105 of the parking spaces had issues associated with slope. A few were due to ruts or deterioration, while others were created based on the location of the parking space and the overall grading of the parking lot. Review of the newer parking lots on campus, provided the following:

  - Collins Circle: P10 parking had accessibility barriers that could be attributed to variations in placement, while the P5 parking spaces appeared to be more of an overall design or installation issue since almost all the slopes measured in the parking spaces were steeper than ADAAG limits for both cross and running slope.

  - SEFCU Arena Parking: P25 parking spaces were observed to have cross slope issues in every parking space. This issue may be due to incorrect placement, such as a case where a catch is located in one of the ADA parking spaces, which would attribute to a higher cross slope in order to get the water to the structure. The P30 parking spaces appeared to have more of a variation installation as only 3 of the 7 spots (northern most spaces) had slopes steeper than ADAAG limits.

- Vertical Heights (§502.5) – Parking spaces for vans, access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches minimum. There are no parking garages on the campus, where this requirement is typically an issue. All parking spaces on campus are located in clear parking lots with no low hanging obstructions such as signs, lights or trees. There were no observed accessibility upgrade items.

- Identification Signage (§502.6) – Parking space identification signs are to be provided and must be a minimum of 60" from finished grade to the bottom of the sign. As referenced earlier, NY State currently has its own accessibility logo. For this evaluation, it was only reported if the parking space had an identification sign, which included one of the two symbols discussed in the background portion of this report.

- Vehicle Obstructions (§502.7) – Parking spaces and aisles shall be designed so that vehicles when parked, can't obstruct the required clear width of the adjacent accessible route. Only the Physical Education parking area (P34) had arrangements such that this obstruction could potentially occur.

UPTOWN CAMPUS RECOMMENDATIONS - SITE

The Campus requested an ADA evaluation of the site accessible routes, ramps, and parking spaces. This evaluation provides a snap shot of accessibility barriers present onsite. Below are recommendations to correct these items. Recommendations are provided in one of three categories:

- Impact items: This category indicates items that would have the greatest impact, thereby providing the largest return on investment should they be corrected.

- Quick Correction: The second category identifies those items that can be corrected in relatively shorter amounts of time, with the least amount of design effort, cost, and labor. The campus-wide scale of replacement, however, will drive longer time durations and higher costs.

- Long Term: The last category is an overall planning tool to explain what items will need to be evaluated on a moving forward basis. These items will likely not be addressed in the near term but the intent is to have them be built into an overall campus improvement plan that will address smaller items having a larger impact on the overall layout of the campus.

Impact items

Podium Ramps –
All of the existing ramps to the Podium area were observed to possess a number of accessibility barriers given the original architectural design predated the ADAAG. Many of the metal ramps were observed to have broken components, ramp surfaces that have shifted, creating uneven surfaces or transitions. All existing concrete ramps were also observed to have issues relating to running slope, handrails and edge protection. Edge protection and handrails should be added or modified as necessary to meet the 2010 standards. Handrail issues were associated with location, height, length, shape, and extensions. Additionally, most of the Podium ramps were observed to exceed the running slope of 8.33% at some point along the ramp run.

Handrails –
Across the campus are handrails of varying types, sizes and configurations. Many handrails are not installed at the correct height for the gripping surface (PODL-R7), do not provide the 12" extension at the landings or does not provide the required edge protection which at these locations is a part of the handrail.

Additionally, several of the movable ramps have broken handrail components in need of repair (PODU-R11, PODU-R12).

Ramp SQ-R2 –
At such time as the campus replaces or resurfaces the State Purple lot, grade adjustments should be made to the P2 parking as well as the walkway from the State Purple lot to Life Sciences Lane.

The ramp at the corner of Life Sciences Lane should be replaced in its entirety, to adjust slope and the angle that it intersects the two roadways. Walkways at this intersection should be re-evaluated to better align the pedestrian crossings with the road crossings and provide for the necessary clear space within the marked crossings.

Freedom Quad Apartments –
This location was noted as having the largest number of accessible route barriers on campus. Most parking spaces and accessible aisles did not meet the dimension requirements and/or the sloping requirements. The curb ramps were noted to have issues with respect to ground surfaces, slope, landings and flares. The walkways consist of asphalt that is marked with root intrusion, deterioration and potentially poor installation. The apartments identified ADA accessible were found to be located the furthest distance away from the parking spaces.

Although this location was found to be have the most site related accessibility barriers, it is understood that the University strives to locate students with disabilities elsewhere on campus. In the event that accommodations are required at Freedom Quad, the campus should make the necessary accessibility upgrades to meet the needs of those students.

Quick Correction

Signage – In most cases, signage is either missing or the sign is not installed at the correct height. Additionally, ADA parking spaces should not be shared with other parking signage (Example: Police Department – One parking spaced signed for ADA and "Police Only". One sign should be removed).

Removal of the sign located inside the fenced in portion of the Grounds Building. Since this area is not open to the public, the space does not have an accessible aisle, there is not additional required signage posted as required, we have determined this is not an ADA space and the sign should be removed.

Repair and Maintenance – The campus currently has an ongoing maintenance program which repairs site elements around the campus. Some of the minor ground surface issues can be corrected by patching deteriorated concrete or applying new joint sealant to larger unsealed expansion joints. In most cases the original joint sealant has worn away and the expansion joint is in need of a new application.

Catch Basin Covers – Several locations were observed on campus where the accessible route traversed over a catch basin structure. Not all catch basin grates have a common configuration, which can result in the installation of grates of varying opening sizes. The issue is created when the grate openings are greater than ½" perpendicular to the travel path of the accessible route. It is recommended that the campus replace the catch basin grates in the select locations that do not meet the ½" or less requirement along the accessible route.

Vehicle Obstruction – All parking spaces (P34) in the PE Building Lot do not provide any means to stop a parked car from intruding into or overhanging the adjacent accessible route. This can be addressed by the addition of wheel stops as an interim or permanent solution.

Long Term

Cross Slope and Running Slopes in parking spaces and accessible aisles – Correcting slopes in parking spaces and accessible aisles is something the University should evaluate when planning for future site improvements. This type of issue cannot be corrected on its own, as it will not only affect the spaces in question, but will also impact the adjacent parking spaces, roadways, curbing and surrounding grading. As the campus moves forward with pavement improvements, they should consider the following in their planning process:

- ADA parking should never be placed near catch basins, as grading in these areas is typically greater than 2.08% in order to promote proper drainage. (Examples: Empire Commons Parking P39-4, SEFCU Parking P25-1)

- If ADA parking is placed along a roadway (such is the case around the Podium), when improvements are made, the roadway slope will also need to be reduced for the 2.08% slopes to be met at any ADA parking locations.

- ADA parking layout should be evaluated so that the accessible route is not within the roadway but rather an adjacent walkway. (Refer to P21 parking). In this instance the parking area has no curb ramps to allow access to the adjacent sidewalk so pedestrians in wheelchairs have to access the building by using the roadway as their accessible route.

- Curb ramps should be designed to be either a standard curb ramp or a parallel ramp but not a combination of both. By combining the two types of ramps, it creates an issue with cross slope as was observed at several locations in Empire Commons (EC-R6, EC-R5,) and at the Service Building (SBA-R1).

Campus Standards – Several accessibility barriers were observed around campus that can be addressed by updating the current campus standards:

- The campus should review their current standards with regard to when and where ADA compliant catch basin grates are required and set a standard for the type of grating to be used at these locations. Incorrect catch basin grates were noted along accessible routes on campus (EC-S3, LS-S1, UAB-S1, etc).

- The current campus standard is to provide detectible warning surfaces. The campus should set a standard for the type of warning surface to be provided and when such surfaces are required to be installed. Currently, under the 2010 standards detectible warning surfaces are not required to be installed. Under the proposed 2011 Public Rights-of-Way guidelines, if approved by the Department of Justice, detectible warning surfaces would be required to be installed on all curb ramps and blended transitions at pedestrian street crossings.

Most Appropriate Location - The ADA accessible parking locations should be evaluated not only for the closest accessible route to the accessible entrance for a single building, but also at locations that will provide the greatest accessibility to a group of buildings.

- For example, the existing route at the Management Service Center (MSC), currently requires pedestrians to use the vehicular way to access the building sidewalk. This portion of the vehicular way has speed bumps along its route. It would be recommended during the next pavement improvement project at the MSC that the location of ADA parking spaces be evaluated and potentially moved to the east side of the building with a marked crossing, or elimination of speed bumps in the current location be considered.

- It is unclear why Parking Spaces P39-3 and P39-4 (Empire Commons) were located at the back of the parking lot. The next closest building is Building 25 which is under construction and will have its own ADA parking once complete. The campus should review the appropriateness of this location.

Added Accessibility – ADA accessibility across the campus should be evaluated for students to access all locations on the campus. Given slopes, terrain and original design, the challenge and cost would be significant but consideration should be made for these objectives with future projects.

- For example, an accessible route from the Podium to the Athletic Complex could be added to connect those portions of campus with an ADA accessible route. Refer to Appendix G. Providing such a route would require careful planning to address the following concerns:
    - Campus has steeper slopes from the Podium to the Athletic Complex
    - Accessible pedestrian crossings for the existing campus roads. This would be especially true if the Bus Rapid Transit (BRT) route is to run between these two campus locations.
    - Appropriate lighting along any new accessible route.

- A second location would be to provide an accessible route from the Podium area to the University Police Department. This location would require the following when planning this route:
    - There is currently no identified ADA accessible routes from the Podium to the east side of Indian Quad. Students currently walk along the roadways.
    - Existing steep slopes from Indian Quad to the Maintenance Building will require switchback ramps or other such controls to traverse the slope.

- Accessible crosswalks where needed at roadway crossings.

EXISTING CONDITIONS REVIEW UPTOWN CAMPUS - BUILDING

The existing conditions fieldwork for the Uptown Campus buildings was completed by Hyman Hayes Associates (HHA) during the summer and fall of 2016. The fieldwork was conducted on a building by building basis. The project scope included a review of 17 facilities at the Uptown Campus, identified below. On account of SUCF's range of responsibility being limited to academic buildings residence halls were not included in the study.

Air Structure (The Bubble)
Biology
Campus Center, including Bookstore
Chemistry
Computing Center
Earth Science and Mathematics
Education
Fine Arts
Humanities
Lecture Center
Library
Linear Accelerator Lab
Performing Arts Center
Physical Education
Physics
Recreation and Convocation Center (SEFCU Arena)
Social Sciences

General Survey Background

The survey team assembled an ADA checklist for use when evaluating the buildings (refer to Appendix C). The checklist categorizes ADA items into sections for review based on accessibility reference type, including Entrances and Doors, Interior Access Route, Elevators, Interior Ramps, Stairs, and Drinking Fountains. Toilet rooms were not included in the project, apart from toilet room entry doors, since they are included in a separate SUNY Albany project currently underway.

The accessibility types used for the checklist are subcategorized into lettered codes that correspond to legends on the 'Accessibility Upgrade Surveys' provided in Appendix G. Each code groups related references in ADA. ADA references are provided for each code, along with an explanation of the requirements cited in the references. These codes are keyed into the accessibility surveys to locate instances of accessibility upgrades in the buildings. The organization of the ADA Study into accessibility types provided the framework from which the fieldwork and subsequent documentation were collected and organized.

During the course of the fieldwork at the Uptown Campus it was found that many of the buildings contained similar items to be upgraded for better accessibility. This is particularly the case at the academic buildings on the central Academic Podium. The Podium is the main academic core of the campus housing the bulk of the classrooms, faculty offices, and labs, as well as the Campus

Library, Lecture Center, Performing Arts Center and the Campus Center. It is a rectangular plaza around which the buildings are placed. The academic buildings maintain a similar axial arrangement of spaces. Classrooms and offices are placed along a double-loaded corridor at each of the four floors. Each academic building at the Podium includes one elevator and a stair enclosure at each end. At the larger academic buildings the upper floors maintain a racetrack layout and include a third, centrally located stairway.

Due to the similarity of the Podium building layouts, and the consistent timeframe from when they were constructed, most of the remaining buildings have similar accessibility issues. The Physical Education building, while not situated on the Podium, was constructed in the same Modernist style and timeframe as the Podium facilities and therefore possesses many of the same features. Key issues noted in the survey relate to doors, signage, protruding objects along accessible routes, stairs, and drinking fountains. While the frequency of issues varied by building, most of the facilities reviewed presented these issues in some capacity; recommendations for these issues are listed in the subsequent section. Currently the only Podium building the University has been able to fully renovate is the Arts and Sciences building.

Doors

The following list identifies door issues found at the Uptown Campus, and are noted on the accessibility upgrade surveys (Appendix G):

- Door Hardware (2010 ADA §404.2.6) – Many doors on campus were found to have door knobs and/or thumb latches. Hardware types such as these require tight grasping or twisting motions which can be difficult for people with certain disabilities.

- Door Pull Force (§404.2.8) – The weights of many doors with closers were heavier than as dictated by the ADAAG. A number of doors were found to require greater than the minimum 5 lbs. of force to open.

- Door clearance (latch side push/pull) (§404.2.3) – Doors were found in some cases to lack the required 18" pull side clearance, or 12" push side clearance on doors with closers. This condition was found at the doors in a series leading into the existing toilet rooms at the academic buildings.

- Door clearance (width) (§402.2) – There are cases of doors that are less than the required 32" clear width. Most of the door width clearance issues were found at the main entry doors to the academic buildings. It was noted by the University at the 9/16/16 meeting that there is a project on the boards to rework the building entries (Appendix A).

- Auto Operators at Building Entry Doors (§404.3) – The University has provided at least (1) auto operator for accessible entry into each building at the Uptown Campus. As noted above, the University has a project underway to rework building entries. As part of the Study the project team reviewed possible improvements to the general accessible route. Refer to recommendations section for proposed auto operators as part of redefined routes.

The survey identified the need for upgraded auto operators at some locations on campus. At some building entries on the Podium, such as the Chemistry building, the auto operators are not identifiable 'push paddles' but rather one inch round buttons. In some cases these buttons are placed on the door itself. This has proven difficult for users moving in and out of the building since required floor clearances have not been met; the required clear floor space adjacent to the control is located beyond the arc of the door swing (§404.3.5). This condition will be addressed by the aforementioned entry door renovation project.

Signage

Interior signs identifying permanent rooms and spaces, informational signs, and signage for means of egress, exit doors and areas of refuge are to have both visual, tactile characters, and braille per §216.2 and §703. Signs for permanent interior rooms and spaces include mechanical rooms, utility rooms, assembly spaces, restrooms, and other spaces that are not likely to change over time.

While considerable efforts have been made by the University to address signage, the survey team noted that some signs on the campus lacked braille or raised tactile letters. In addition, the SUNY Albany Disability Resource Center noted additional information conveyed in braille on informational signage would be beneficial to those with visual impairments.

Stairs

Building surveys found stairs to be generally compliant, with exceptions noted below. Existing conditions that will pose an undue burden to correct can be reasonably modified to improve accessibility, as discussed in the recommendations section.

- Risers and Treads (§504.2) – Risers and treads were largely found to be compliant; in most cases treads were 11" or wider and risers were found to be between 4"-7". Cases of risers being slightly higher than 7" were documented at some stairwells on campus. A few instances of stairs with open treads were noted at the Performing Arts Center at stairs leading up to stages.

- Treads and Nosings (§504.4, 504.5) – The treads and nosings were generally found to be compliant on the Uptown Campus; nosings are required to extend no more than 1 ½". Advisory 504.4 in the 2010 ADAAG recommends that visual contrast from the remainder of the tread be provided at tread nosings. The survey found that some exterior Podium stairs were lacking contrast, and in some cases nosings were damaged or the intended detectible strip was faded.

  The consultant team reached out to the New York State Department of State, Division of Building Standards and Codes for clarification on what is considered an accessible stair. According to the Department of State, accessible stairs are to be provided at each

stairway that is required for accessible entry/exiting of a building. Where a building requires more than one exit, at least two accessible exits must also be provided. The detectible strip requirement is not necessary for all stairs, but only at treads of stairs identified as accessible.

- Handrails (§505) – Many handrails within the campus buildings remain from the original construction, prior to the ADAAG, and therefore maintain elements that can be improved for better accessibility. The majority of the handrails are mounted between 32"-33" in height, which is below the 34"-38" height range dictated by the ADA.
  In addition, handrails are also not continuous at many locations included in the Study. Breaks in the handrails occurred at most landings at the academic buildings. ADA maintains that handrails are to be continuous at the stair, including the landing.
  Handrails were also noted to be missing at a few locations, such as stairs within theater rooms.

Vertical Clearance

The ADAAG indicates a requirement for vertical clearance of 80" minimum. Any spaces less than 80" clear require 27" guard protection *to prevent entry into the space*. (§307)

It was found that the lower level stairwells at many buildings on the Uptown Campus are open under the stair run and can be a potential hazard to vision-impaired people.

Drinking Fountains

While drinking fountains are provided at each of the facilities reviewed during the course of the study, some aspects were not in full compliance with the ADAAG.

- Number of Fountains (§211.2, 602.4, 602.7) – The ADAAG dictates that no fewer than (2) drinking fountains are to be provided at a facility; (1) to be at standing height, and (1) to be at accessible height. In most cases no fewer than (2) fountains were found on each floor, however in many of the buildings surveyed there were (2) standing height fountains located on a floor, and no accessible height fountain. Section 211.3 of the ADAAG indicates that if more than the minimum number of fountains are provided in a facility, 50% of the fountains are to be accessible height and 50% are to be standing height.

- Clearance (§602.2, 305.3, 306.2.4, 306.3.5) – At locations where accessible fountains are provided, floor, knee, and toe clearances were found to be compliant.

- Spout Location (§602.5) – At locations where accessible fountains are provided the spout location was found to be compliant. Spout height was compliant at standing height fountains.

Interior Ramps

Interior ramps have been provided by the University to accommodate people with disabilities, such as the ramp located at the north end of the Lecture Center. This ramp provides key access between the Computer Center and adjacent basement-level educational buildings and the Lecture Center. It was noted at the 11/10/17 project meeting that an existing elevator at the basement of the Arts and Sciences and the Fine Arts buildings extends the accessible route through the other floors of the building, including the first floor with its access to the Podium. The Arts and Sciences building was not part of this study, but it provides a key connection from the Lecture Center to the Podium through the aforementioned ramp. Refer to the discussion on elevators later in this section, for additional information.

Other interior ramps reviewed at the Uptown Campus are primarily located at the Podium Basement and Sub Basement, and Performing Arts Center (Refer to Podium drawings in Appendix G). The Basement and Sub Basement are mainly intended for the Lecture Center and related spaces, in addition to miscellaneous office and student spaces.

The Lecture Center is an educational space that contains lecture halls located around a prominent courtyard space. The lecture halls have auditorium-style seating, with rows on many levels facing a lectern at the base of each hall. Entries to the lecture halls are located at the Basement (or fountain) level at the top of each hall, and at the lower Sub Basement (lectern) level.

Since there are no ramps within the individual lecture halls accessibility is provided in other areas between the Basement and Sub Basement. One elevator currently exists between the two levels, as noted in the elevator section of the report. Accessibility has been provided between the levels through this elevator and interior concrete ramps noted in the survey. The survey found that the ramps provide access for changes in elevation that occur at each floor, but do not satisfy all requirements, as noted below:

- Ramp Slope and Height (§405.2, 405.6) – Interior ramps are found to have slopes steeper than the 1:12 ratio dictated by ADA for changes in elevation between 6″-30″. Some ramps at the Podium levels were found to be 1 ½:12.
  Also, in some cases the change in elevation is greater than 30″ with a single continuous ramp lacking an intermediary landing.

- Handrails and Edge Protection (§405.8, 505, 405.9) – Handrails were found to be absent from most interior ramps greater than 6″. The 2010 ADA states that ramps with greater than 6″ change in elevation are to possess a handrail on both sides with a curb or edge protection less than 4″ to the finished floor.

Other ramp locations, such as at the Performing Arts Center and access to the Linear Accelerator space are also lacking in handrails. Refer to the accessibility upgrade surveys in Appendix G for specific locations. In some cases at the Performing Arts Center ramps exceed the minimum slope and landing requirements.

Ramps within the Tunnel were not evaluated since these areas are considered service spaces by the University.

Elevators

For the buildings in the Uptown Campus survey, a minimum of (1) elevator was identified at those buildings having more than one floor; elevator access to the Linear Accelerator is not provided apart from a freight elevator used to transport equipment from grade level to the Linear Accelerator space.

While elevators have been provided throughout the campus, it was found that vertical circulation could be improved between the Podium plaza and the Lecture Center levels below. Currently vertical access from the main Podium level to the Basement (fountain) level and Sub Basement level is not convenient to people with disabilities, in terms of the amount of distance one travels. There is currently (1) elevator that connects the Podium Basement and Sub Basement Levels, located at the east end of the Lecture Center. This elevator does not connect to the plaza level of the Podium, so people requiring an elevator for vertical access would need to move to another area of the Podium Basement to access an elevator connecting to the upper level.

Elevator access between the Basement (fountain) Level Lecture Center and the upper level of the Podium is provided from the Library, Performing Arts Center, Arts and Sciences, and Fine Arts buildings. While the route is entirely interior from the Performing Arts Center, Arts and Sciences, and Fine Arts buildings, users must pass through a lower exterior courtyard space to access the Basement from the Library elevator. For an interior accessible route, a person would travel from Arts and Sciences or Performing Arts to access the Lecture Center elevator that extends to the Sub Basement level. While these routes are lengthy and lack handrails at ramps, they do provide an interior accessible route. The route from the elevator of Fine Arts to the Podium fountain level is also interior, but is less direct and uses a route that also contains some accessibility barriers, such as door hardware and vertical clearance issues (Refer to Accessibility Upgrade Surveys, Appendix G).

Elevators at the academic buildings and Campus Center extend to the Basement Level but are separated from the Lecture Center by the Tunnel, which is not recognized by the University as being a public path; it is primarily a service route. Currently there is no direct interior access between the academic buildings and the Campus Center to the Lecture Center. Access to the Lecture Center can only be gained by exterior access via stairs or indirectly through a series of elevators, as noted above.

Despite the indirect vertical circulation at the Podium, the multilevel buildings surveyed are provided with at least (1) elevator, and the elevators were largely found to be compliant. One aspect that was lacking was a visible signal at each hoist way entrance at 72" above the floor at most elevators on campus. The ADA recognizes the difficulty in making existing buildings entirely compliant so an exception is provided by the 2010 ADAAG stating that existing elevators are not required to comply with this provision (Section 407.2.1.5 Exception 2).

Protruding Objects

Accessible paths can be affected by the presence of objects protruding more than 4" from the surface of the wall if placed above 27" above the finished floor (§307).

It was noted on many of the corridors on campus that some objects were mounted higher than 27" above the floor, and protruding more than 4" out from the wall. The most common items noted were wall-mounted fire extinguishers. Other miscellaneous equipment items were also found at various locations.

As stated in the recommendations section, the campus standard is for portable fire extinguishers to be provided in recessed fire extinguisher cabinets in new construction or renovated areas. In existing spaces, the University is providing new fire extinguisher hooks to keep extinguishers clear of the 27" minimum noted above.

Mats or Carpets

Walk-off mats have been provided at the interior of entrances and at elevators throughout the campus. Per ADA §302.2, mats or carpet edges are to be firmly secured. In most locations where walk-off mats are provided the mats are secured to the floor with adhesive. There are cases noted where mats are detaching from the floor or are missing tape.

UPTOWN CAMPUS RECOMMENDATIONS - BUILDING

The University has taken many steps toward improving accessibility on campus and continues to review options for further actions that can reasonably be taken. Below is a breakdown of recommendations from the consultant team by accessibility type previously identified in the existing conditions summary. The prioritization of the remediation is indicated in Section Three of this report. The recommendations outlined below are provided in accordance with the ADAAG, Title II, and the DRC, with consideration of the exemptions afforded to institutions for cases of undue burden or damage to historic character (refer to the Introduction for additional information). The University may also implement policy changes that reserve certain areas on campus as accessible, thereby limiting remediation to those areas.

The University's accessibility upgrade plans are provided under evaluation criteria that group future facilities upgrades related to ADA into one of three groupings:

- Impact items: This category indicates items that would have the greatest impact, thereby providing the largest return on investment should they be corrected.

- Quick Correction: The second category identifies those items that can be corrected in relatively shorter amounts of time, with the least amount of design effort, cost, and labor. The campus-wide scale of replacement, however, will drive longer time durations and higher costs.

- Long Term: The last category is an overall planning tool to explain what items will need to be evaluated on a moving forward basis. These items will likely not be addressed in the near term but the intent is to have them be built into an overall campus improvement plan that will address smaller items having a larger impact on the overall layout of the campus.

Impact Items:

Elevators

The addition of an elevator is recommended to address the lengthy accessible route between the Podium plaza level and the Lecture Center Basement and Subbasement levels, as indicated on the Podium Proposed Accessible Route drawing (Appendix G). The direct connection this elevator will provide will be especially beneficial to disabled faculty and students seeking to access the lower level of the lecture halls.

An elevator is recommended at one or both of the locations on the aforementioned accessible route drawings, identified as options "A" and "B". Option A has been identified as the most direct route for people seeking vertical access between the plaza level of the Podium and the floors below. This option indicates an extension of the existing elevator that currently runs between the Basement and Subbasement and would extend up to the main plaza area of the Podium. The advantage of this option is that it provides a direct vertical connection between floors, centrally located on the Podium, and is utilizing an existing elevator path. A concept drawing is provided in Appendix F.

Option B is located at the corner of the Education building, and would provide a direct vertical path between the south Podium plaza level and the lower levels. The disadvantage of Option B is the impact to the Podium, particularly at the plaza and Subbasement levels. At this location providing an elevator that connects all three floors results in part of the existing pathway being affected. For the elevator shaft to work at all three levels the location of the elevator at the first floor would fall outside the perimeter of the existing Education building, affecting the original design of the building and adjacent plaza. Factoring in the width of an average elevator and elevator vestibule, approximately 16′ would remain between the edge of the new elevator and the existing Podium planters for pedestrian traffic. At the Sub Basement the elevator shaft would fall between an existing storage space and corridor, leaving approximately 5′ of clear space for passage.

Doors – Hardware at Interior Vestibule/Corridor Doors

As noted many doors on the campus can be improved with regard to hardware, door pull-force, and required clearances. As renovations occur or as budgets allow for the scale of the work, the University should develop a plan to replace hardware at doors; doors having door knobs, thumb latches, and difficult auto operator controls should be modified to ADAAG standards that do not require twisting or tight grasping, and will facilitate accessibility. It is recommended that interior doors at vestibules, corridors and basement doors between buildings be considered a higher priority than other interior doors, in order to provide greater access for more people. Door hardware at entry doors, as noted below, will be addressed in ongoing entry-door renovations.

Interior Ramps

Ideally ramps with steeper slopes should be modified to maintain a 1:12 slope for elevation changes greater than 6″ with intermediary landings provided for runs greater than 30′-0″. The remediation of existing slopes may in some cases be found to be difficult due to the cost and effect on adjacent spaces, unless the work is done as part of a larger renovation plan for the facility. Reasonable modifications can be made to improve accessibility, such as providing handrails at ramps with elevation changes of greater than 6″. Handrails should be provided on both sides of a ramp if the clear space between the rails is 36″ or greater.

The cases of slightly steeper slopes are mainly located at the Podium Basement and Subbasement levels (excluding the Tunnel) and at the Performing Arts Center.

<u>Quick Corrections:</u>

Protruding Objects

It is recommended that wall mounted items that are more than 4″ off the wall and are mounted 27″ above the floor should be lowered or relocated. Recessed or semi-recessed fire extinguisher cabinets would be optimal for cases where fire extinguishers project further than 4″. If not possible the existing fire extinguisher cabinets should be mounted lower on the wall to be detectible by a visually-impaired person using a cane.

According to the University the campus standard is for portable fire extinguishers to be provided in recessed fire extinguisher cabinets in new construction or renovated areas. In existing spaces, the University is installing new fire extinguisher hooks which set the bottom of extinguishers at a height not more than 27″ above the finished floor, as noted above.

Mats or Carpets

Walk-off mats should be securely fastened to the floor to prevent from becoming a tripping hazard. Where flush mounted mats cannot be provided due to existing flooring the mats should be secured and routinely inspected for safety.

Vertical Clearance

The vertical clearance issues noted at the lower level of the stairwells should be corrected to prevent injury to vision-impaired individuals. At each case a rail or built element should be installed at a maximum of 27″ in height in order to be detectible by a disabled person with a cane. The installation will direct a vision-impaired person away from the underside of the stair.

Signage

The University has made considerable efforts in providing signage with braille or tactile letters for many rooms and spaces on campus, but there are areas where equal access signage can be improved.

Based on feedback from the SUNY Albany Disability Resource Center at the beginning of the project, it was noted that providing room numbers and room function in braille or raised tactile letters would greatly assist students/staff with wayfinding. The recommendation set forth in this report is to review such signage going forward as a reasonable step toward improving wayfinding for all users. The University can also review policy and scheduling to designate certain areas as accessible, where services are equally provided to all users, including signage information.

Signage at building entry doors directing users to the accessible entry on the building should be provided where it is noted as lacking.

Title II does not specifically indicate the requirement for braille or tactile letters for room number and function, but identifies the need for institutions to make reasonable accommodations to provide equal communications for people with and without disabilities. Per §35.160 General:

> *(a) A public entity shall take appropriate steps to ensure that communications with applicants, participants, members of the public, and companions with disabilities are as effective as communications with others.*

Doors – Pull-Force and Interior Door Hardware

As the fieldwork indicated many doors throughout campus require greater than the required pull-force to open. To improve this condition is it recommended that the University adjust problematic door closers so that the required pull force to open the door is less than 5 lbs.

As budgets allow, the University seeks to update interior door hardware through ongoing Campus maintenance projects.

Long-Term:

Doors – Clearances and Entry Door Hardware

Doors lacking 18" pull-side clearance or 12" of push-side clearance on doors with closers should ideally be modified to provide the required clearance. This modification may involve a significant amount of work, or significantly affect adjacent spaces. Remediation work to this extent may be considered an undue burden for the University. As noted in the ADA background section of the Executive Summary if work results in significant difficulty or cost, the existing conditions may preclude remediation. This work will need to be evaluated on a case-by-case basis. If the work would significantly affect the surrounding space, reasonable accommodations should be provided in some capacity through policy changes or the addition of an automatic door operator.

For doors lacking the 32" required clear width accommodations should be made if possible, whether by modifying the door width or relocating services to an accessible location.
As noted in Meeting Minutes 03, there is a SUCF project to upgrade the entries to the Podium buildings. This project will address issues relating to the inadequate door clearances, door hardware, door operator paddle clearances, as well as existing door thresholds that are in poor condition (Refer to Appendix A).

Stairs

Modifying stairs for accessibility at the Uptown Campus will require different levels of work depending on the issue. For cases where the stair risers slightly exceed the maximum 7" height, the work involved in correcting the rise will likely be costly. Because the rise is minimal, ranging between ½" and ¼" in excess of the limit, this can typically be accounted for as an existing condition to remain. With this consideration, in conjunction with space reconfiguration difficulties and the cost to renovate the existing stairs for riser compliance, this remediation work is not recommended.

For the issue of stair treads lacking visual contrast, the leading 2" edges should have a detectible strip added for areas where accessibility is needed. Damaged nosings and those locations with faded detectible strips at Podium accessible stairs should be repaired at all stairs serving an accessible means of egress.

Handrails at the Uptown Campus stairs could be improved with regard to mounting height and continuity. Handrails should ideally be replaced with a rail height between 34"-38"; in many cases the railings were found to be within an inch of the minimum 34". The ADAAG also states that railings are to be continuous. Many of the Uptown Campus railings currently break at the landings along the side wall. It is recommended that a span of handrail be provided at the breaks to maintain a continuous handrail for the entire run of stairs, including the landings.

The existing railings at the Podium Buildings are identified in the catalogue of historic features in the aforementioned Campus Heritage Preservation Plan, funded by the J. Paul Getty Foundation. As the report states,

> *"The stairs have a concrete substructure with pre-cast concrete treads. The balustrade is composed of iron bar stock, with rectangular varnished wood handrail. The balustrade, which is the inside handrail, is continuous across the landing at each floor. The balustrade is painted a dark brown, which is typical of all original balustrades. There is an original wall hung handrail of the same rectangular shape and clear varnished finish of the balustrade on the outer walls." (p. 152).*

Due to the fact that the stair railings have been officially recognized as having historic significance for being part of the original design, replacing the railing can likely be exempted from remediation.

Drinking Fountains

Drinking fountains are provided at the Uptown facilities with the exception of the Air Structure. While many buildings on campus have at least (1) accessible fountain, more than (1) standing height fountain is also provided. Per the ADA §211.3, if more than the minimum number of fountains is provided at least half must be accessible.

Modifications should be made, where reasonable, to provide an equal number of accessible fountains, either at the ends of corridors or carving a fountain alcove at an existing standing height fountain location. The University can also look at schedule or administrative changes that provide equal services at a designated area to accommodate people with disabilities.

EXISTING CONDITIONS REVIEW DOWNTOWN CAMPUS - SITE

The evaluation of the Downtown Campus was conducted similarly to the Uptown Campus. The Downtown Campus consisted of both the Alumni Quad Housing and the Downtown Campus academic buildings.

General Site Evaluation Background

The Downtown Campus site study was completed by M.J. Engineering and Land Surveying (MJ) during the summer of 2016. MJ evaluated all handicap parking spaces and accessible routes from those spaces to the nearest building entrance, and any routes to ADA doors that could be accessed from the nearest CDTA bus stop. The bus stop routes start at the location where the campus sidewalk meets the City of Albany (City) sidewalk. The City sidewalks were not evaluated as part of this study.

Additionally, the Thurlow parking lot was not evaluated because the parking spaces are not the closest to any campus building (§206.2.1) and the pedestrian traffic would have to traverse City sidewalks and City roads to access the campus. Existing routes HH-S1 and RH-S1 would be the closest routes to that parking lot.

MJ personnel developed several ADA checklist evaluation forms (See Appendix B) to accurately evaluate each route, ramp, curb ramp and parking space along an identified accessible route. These forms along with the tables provided in Appendix D, provide photos and details of each accessible route component evaluated during the ADA field investigation.

The accessibility upgrade items observed during the evaluation were documented on the drawings by categorizing them into a numbering code that corresponds to the legend on the drawings. Each number references an ADA accessibility requirement category.

For parking spaces, the upgrade items noted on the drawings apply to the designated cluster of spaces, but may not apply to each individual space.

The total number of parking spaces required is based on the total number of parking spaces provided in each lot. Below are the locations:

- Sayles Hall - Compliant Number (but requires 1 van accessible)
- Milne Hall – Complies
- Draper Courtyard Parking – Compliant Number (but requires 1 van accessible)
- Hawley Parking Lot - Complies

In review of the 2015 International Building Code, NYS Uniform Code Supplement (§1106.1.1), all accessible aisles must be a minimum of 8 feet wide. By complying with this requirement, all accessible aisles in New York State will now meet the 2010 ADA standards definition of a van accessible space.

Since the NYS Uniform Code Supplement requires all accessible aisles to be a minimum of 8' wide, it will be at the discretion of the campus as to whether or not they want to require "Van Accessible" parking signs for all future ADA parking spaces.

The NYS Uniform Code Supplement also requires that all accessible parking spaces be provided with signage displaying the International Symbol of Accessibility (§1106.8). This contradicts the NYS Assembly Bill No. A08193, passed October 4, 2013; and the NYS Senate Bill No. A06846, passed March 19, 2014, requiring the use of the "Dynamic Logo" (i.e. Active Handicap Logo),

As previously noted, the topic of a potential contradiction between the NYS Uniform Code Supplement and laws passed by the State Assembly and Senate was discussed with SUCF. It was determined through SUCF's interpretation that the Dynamic Logo should be utilized when new markings are installed, but not to replace existing symbols as a stand-alone effort.

During preliminary discussions with the campus, it is understood that the campus policy is to install detectible warning surfaces at all pedestrian crossings. Under the current 2010 ADA standards detectible warning surfaces are not required to be installed, therefore they were not evaluated. Detectible warning surfaces are currently only required by the ADA public transportation facilities and vehicles (i.e. 2006 DOT ADA Standards). All locations of detectible warning surfaces will be noted on the evaluation forms if present and if they comply with the current standards, for reference purposes only.

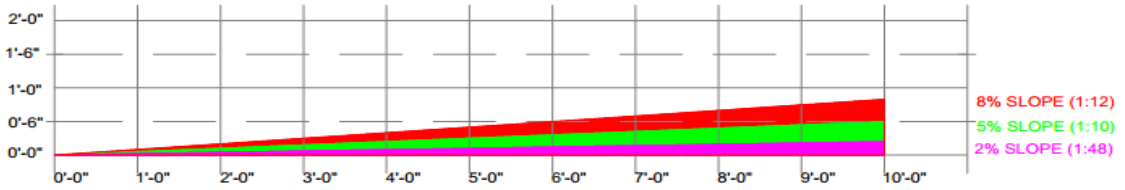
Accessible Routes

The original Downtown Campus buildings were built in the early 1900's, prior to the enactment of the Americans with Disabilities Act, which was put into law in 1990. Therefore, it can easily be assumed most buildings and routes on campus would not fully meet ADAAG regulations unless the campus had renovated it post 1990. The following list identifies accessible route upgrade items observed at the Downtown Campus. Refer to Appendix H for location of identified upgrade item.

- Ground Surfaces (§302) – Several locations were found to have areas along the accessible route that were not stable, firm, slip resistant or that contained openings in the ground greater than ½" diameter. This condition was caused by expansion joints missing sealant.

- Change in Level (§303) – A change in level greater than ¼" was observed in areas where frost heave had resulted in change in elevation from one concrete panel to another or from deteriorated and crack concrete panels.

- Slopes (§403.3) – Walking surfaces are required to have a running slope no steeper than 1:20 (5%), and a cross slope greater than 1:48 (2.08%). Walking surfaces were found to be steeper than ADAAG limits on about half of the accessible routes. The degree of this varied from location to location, from moderate to substantial.



- Handrails (§505) – Handrails are not required on walking surfaces with running slopes less than 5%, however, if they are provided then they must comply with section 505. The route into Hawley Hall is an accessible route based on the existing slopes and a portion of the route has handrails. The handrails fell short of ADAAG requirements in height and length of the gripping surface.

Ramps

The following list identifies ramp upgrade items observed at the Downtown Campus and identified on the Appendix H drawings. Curb ramps are discussed separately in the next section.

- Running Slope (§405.2) – Ramps are required to have a running slope not steeper than 1:12 (8.33%). The Husted Hall Ramp (HH-R1) was observed to have running slope that exceeded ADAAG limits along the ramp runs.

- Landings (§405.7) – Landings are required at the top and bottom of all ramp runs. Landings must be a minimum of 60" in the direction of travel and must be as wide at the ramp. Additionally, landings allow for change in direction and therefore, changes in level are not permitted. Slopes must be no greater that 1:48 (2.08%) in either direction.

- Handrails (§505) – Ramp runs greater than 6" vertical rise are required to have handrails complying with section 505.

Curb Ramp

Curb Ramps are considered to be a type of ramp and therefore the first four (4) requirements below are the same as required above for a standard ramp. Curb ramps are designed to address the transition through a curb cut, allowing a pedestrian to traverse a vehicular way.

- Floor and Ground Surfaces (§405.4) – Ramp surfaces are to stable, firm, slip resistant and have no change in level except running and cross slope. The transition at Richardson Hall ramp RH-R1 (entrance to Engineering Office) as well as at BH-R1, were noted as upgrade items.

- Counter Slopes (§406.2) – Counter slopes of adjacent road surfaces shall not be steeper than 1:20 (5%). The adjacent road surface shall be level at the transition to the curb ramp. The curb ramp transition at the road surface is not level for BH-R1.

- Sides of Curb Ramps (§406.3) – Where provided, curb ramp flares shall not be steeper than 1:10 (10%). Both curb ramps at the Downtown Campus were steeper that the ADAAG flare requirements.

- Landings (§406.4) – Landings are required at the top of curb ramps. Landings are to be level and at least as wide as the curb ramp (excluding flares) and a minimum of 36" long. In instances of alterations where no landing is provided, the curb ramp flares must be no steeper than 1:12 (8.33%). The Brubacher Hall Ramp (BH-R1) landing exceeded the 2.08% running slope.

Parking Spaces

The Downtown Campus has a total 155 parking spaces, of which 11 were ADA parking spaces evaluated for compliance. Additionally, 2 ADA on-street parking spaces were evaluated since the campus reportedly owns State Street. Based on current on campus parking layout, a total of 7 ADA spaces are required for compliance purposes.

- Vehicle Spaces (§502.2) – Parking spaces are to be a minimum of 8' wide for a car space and 11' wide for a van space. Additionally, if an accessible aisle is 8' wide, then a van space can be reduced to 8' wide. Based on the 2016 NYS Uniform Code Supplement, all accessible aisles are now required to be 8' wide. Therefore, any ADA parking space that meets the minimum 8' width requirement will meet both the car and van accessible space requirements. Parking spaces are to be measured from the centerline of the paint marking. The majority of parking spaces were observed to be between and 8' and 9' wide.

- Access Aisle (§502.3) – Access aisle shall adjoin an accessible route and can be shared by two accessible parking spaces. When designing the layout for parking and accessible routes, it is preferred that the route not cross behind parked cars and that marked crossings be provided when the accessible route must cross vehicular traffic lanes.

  Accessible aisles are required to be 5' wide based on the 2010 ADA Standards but are now required to be 8' wide based on the 2016 NYS Uniform Code Supplement. Since it is assumed most parking spaces were installed and marked prior to the 2015 Supplement, the spaces were evaluated based on the 2010 Standards, but any improvements moving forward will be required to comply with the 2015 Supplement.

  Accessible aisles are to extend the full length of the parking spaces they serve and they shall be marked so as to discourage parking in them. Additionally, the new 2016 NYS Uniform Code Supplement requires "No Parking Anytime" signage be provided for each accessible aisle. Accessible aisles shall not overlap the vehicular way.

  Accessibility barriers were observed for all the criteria of an accessible aisle, however, most locations were noted as a result of improper width and insufficient signage.

- Slope & Surfaces (§502.4) – Parking spaces and access aisles are to be firm, stable, and slip resistant. Additionally, slopes greater than 1:48 (2.08%) in any direction are not allowed. 62% of the parking spaces had issues associated with slope.

- Identification Signage (§502.6) – Parking space identification signs are to be provided and must be a minimum of 60" from finished grade to the bottom of the sign. As referenced earlier, NY State currently has its own accessibility logo. For this evaluation, it was only reported if the parking space had an identification sign, which included one of the two symbols discussed in the background portion of this report. Approximately half of the parking locations were observed to possess signage or signage heights that could be improved per ADAAG.

- Vehicle Obstructions (§502.7) – Parking spaces and aisles shall be designed so that vehicles when parked, can't obstruct the required clear width of the adjacent accessible route. All of the ADA accessible parking in the Hawley lot were lacking in this area.

Campus Bus Stops

There are no University-owned or exclusive bus stops located on the Downtown Campus. All Bus Stops in the vicinity of the Downtown Campus are located on City property and therefore were not evaluated.

DOWNTOWN CAMPUS RECOMMENDATIONS - SITE

The Campus requested an ADA evaluation of the site accessible routes, ramps, and parking spaces. This evaluation provides a snap shot of accessibility barriers present onsite. Below are recommendations to correct these items. Recommendations are provided in one of three categories:

- Impact items: This category indicates items that would have the greatest impact, thereby providing the largest return on investment should they be corrected.

- Quick Correction: The second category identifies those items that can be corrected in relatively shorter amounts of time, with the least amount of design effort, cost, and labor. The campus-wide scale of replacement, however, will drive longer time durations and higher costs.

- Long Term: The last category is an overall planning tool to explain what items will need to be evaluated on a moving forward basis. These items will likely not be addressed in the near term but the intent is to have them be built into an overall campus improvement plan that will address smaller items having a larger impact on the overall layout of the campus.

Impact items

The accessibility upgrade items at the Downtown Campus are not recognized as having a high level of impact if corrected.

Quick Correction

Signage – In most cases, signage is either missing or the sign is not installed at the correct height.

- Richardson Hall Parking Space - This space does not connect to an accessible route and therefore does not comply with the ADA standards. It is our understanding that the space is used by a staff member who requires a short route to their office (Husted Hall) but that this person enters the building via the stairway adjacent to the parking space. We recommend the ADA sign be changed to be a campus "Special Permit" sign and the striping color changed. The overall Downtown Campus has more ADA parking provided than required and therefore the removal of this one space, will not affect the overall compliance. The ADA space required in this lot can be relocated based on the ADA exception for accessibility (§208.3.1.2).

Handrails –

- The handrails into Hawley Hall do not provide a continuous gripping surface and they do not meet the minimum height requirement for the gripping surface.

Repair and Maintenance – The campus currently has an ongoing maintenance program which repairs issues around the site. Some of the minor ground surface issues can be corrected by patching deteriorated concrete or applying new joint sealant to larger unsealed expansion joints. In most cases the original joint sealant has worn away and the expansion joint is in need of a new application.

Vehicle Obstruction – The Hawley Parking lot should have wheel stops or curbing installed at all handicap spaces to prevent drivers from parking their vehicles in the accessible route (i.e. sidewalk) (§502.7).

Long Term

Cross Slope and Running Slopes in parking spaces and accessible aisles – Correcting slopes in parking spaces and accessible aisles is something the campus should evaluate when planning for future site improvements. This type of issue cannot be corrected on its own, as it will not only affect the spaces in question, but will also impact the adjacent parking spaces, roadways, curbing and surrounding grading. As the campus moves forward with pavement improvements, they should consider the following in their planning process:

- If ADA parking is placed along a roadway (State Street on-street parking), when improvements are made the roadway slope will also need to be reduced in order for the 2.08% cross and running slopes to be met at the ADA parking locations.

The following location may be able to be addressed during projects that are currently in design or may be going to design:

- Milne Hall Parking Lot – MJ understands that the proposed Schuyler Hall renovations project will require the Milne Hall Parking Lot to be removed or resurfaced. During design of this project, slope issues within the ADA parking spaces should be evaluated and incorporated into the project design.

Striping - Striping of parking spaces is also an issue that will require further review.

- The current hatched areas in Sayles Hall parking lot do not comply with the minimum width requirements. However, to correct this issue, portions of the parking lot may need to be completely re-striped. In some cases this issue may be easy to remedy if excess space is provided elsewhere in the parking row that can be used to supplement such locations. This type of issue should be reviewed on a parking lot by parking lot basis.

Curb Ramps - The Curb ramp at the Engineering Office door into Richardson Hall is lacking flares that satisfy ADAAG requirements. Since this entrance was later determined to not be an ADA entrance, repairs to this ramp are not necessarily required but the ramp should be removed during a future project to eliminate any future potential for issues.

Campus Standards – Several accessibility barriers were observed around campus that can be addressed by updating the current campus standards.

Penalty fee signage is inconsistent across the campus. If the campus requires a penalty fee to be posted, the 2 State Street parking signs should be upgraded to meet ADAAG standards.

EXISTING CONDITIONS REVIEW DOWNTOWN CAMPUS - BUILDING

The existing conditions fieldwork for the Downtown Campus buildings was completed by Hyman Hayes Associates (HHA) during the summer and fall of 2016. The fieldwork for the Downtown Campus was conducted similarly to the Uptown Campus. The project scope at the Downtown Campus included a review of 5 facilities identified below. On account of SUCF's range of responsibility being limited to academic buildings residence halls were not included in the study.

Milne Hall
Page Hall
Richardson Hall
Draper Hall
Hawley Hall

General Survey Background

The survey team collected fieldwork using the ADA checklist previously discussed (refer to Appendix C). As stated above, the checklist categorizes ADA items into sections for review based on accessibility reference type, including Entrances and Doors, Interior Access Route, Elevators, Interior Ramps, Stairs, and Drinking Fountains. As with the Uptown Campus, toilet rooms were not included in the project apart from toilet room entry doors, since they are included in a separate project currently underway.

Unlike the Uptown Campus, the buildings at the Downtown Campus vary from one another in layout but similar instances of accessibility barriers were noted. While not officially included in the Getty Heritage report, the facilities are older than those at the Uptown Campus and may be determined to have historic significance. Per the University, the Downtown buildings were constructed between 1909 and 1956, with only one facility having had a full renovation, Husted Hall. As noted at the 11/10/17 meeting (Appendix A) the State Historic Preservation Office (SHPO) plays a role in determining the historic character of buildings, including those at both the Uptown and Downtown campuses of SUNY Albany.

Similar to the Uptown Campus, key issues noted in the survey relate to doors, signage, protruding objects along accessible routes, stairs, and drinking fountains. As with the Uptown Campus, while the frequency of issues varied by building, most of the facilities reviewed presented these issues in some degree.

Doors

As noted in the review of the Uptown Campus, some doors at the Downtown Campus have similarly been difficult for disabled students and staff:

- Hardware (2010 ADA §404.2.6) – Many doors on campus were found to have door knobs and/or thumb latches. Hardware such as these require tight grasping or twisting motions which can be difficult for people with disabilities.

- Door Pull Force (§404.2.8) – The weights of many doors with closers were heavier than as dictated by the ADAAG. Many doors were found to require greater than the minimum 5 lbs. of force to open.

- Door clearance (latch side push/pull) (§402.2) – Doors were found in some cases to lack the required 18″ pull side clearance, or 12″ push side clearance on doors with closers.

- Auto Operators at Building Entry Doors (§404.3) – The University has provided auto operators for accessibly entry at some locations on the Downtown Campus. As part of the Study the project team reviewed possible improvements to the general accessible route. Refer to recommendations section for proposed auto operators as part of redefined routes.

Signage

As at the Uptown Campus, Interior signs identifying permanent rooms and spaces, informational signs, and signage for means of egress, exit doors and areas of refuge shall have both visual, tactile characters, and braille per §216.2 and §703. Signs for permanent interior rooms and spaces include mechanical rooms, utility rooms, assembly spaces, restrooms, and other spaces that are not likely to change over time.

While considerable efforts have been made by the University to address signage, the survey team noted that some signs on the campus lacked braille or raised tactile letters. In addition, the SUNY Albany Disability Resource Center noted additional information conveyed in braille on informational signage would be beneficial to those with visual impairments.

Stairs

The building surveys generally found stairs to be compliant with exceptions noted below. Remediation of existing conditions that will result in a logistical difficulty can be modified in a manner to provide for reasonable accommodations for a person with a disability.

- Risers and Treads (§504.2) – Risers and treads were largely found to be compliant; in most cases treads were 11″ or wider and risers were found to be between 4″-7″. Some cases of risers being slightly higher than 7″ were detected at some stairwells on campus.

- Treads and Nosings (§504.4, 504.5) – The visual contrast requirement for treads and nosings were generally lacking. The ADA calls for the leading 2″ of the tread maintaining a visual contrast from the remainder of the tread. The survey found that at many interior stairs the nosing was missing contrast, and in some cases nosings were damaged or the intended detectible strip was worn.

  As previously noted, the consultant team reached out to the New York State Department of State, Division of Building Standards and Codes for clarification on what is considered

an accessible stair. According to the Department of State, accessible stairs are to be provided at each stairway that is required for accessible entrance/exiting of a building. Where a building requires more than one exit, at least two accessible exits must also be provided. The detectible strip requirement is not necessary for all stairs, but only stairs identified as accessible.

- Handrails (§505) – Handrail issues were also noted at the Downtown Campus. The majority of the handrails are mounted between 32"-33" in height, which is below the 34"-38" height range dictated by the ADA.
  Handrails are also not continuous at many locations included in the Study. Breaks in the handrails occurred at most landings. The ADA maintains that handrails are to be continuous at the stair, including the landing.

Vertical Clearance

The ADA indicates the requirement for vertical clearance of 80" minimum. *Any spaces less than 80" clear require 27" guard protection to prevent entry into space* (§307).

At the Downtown Campus the project team identified cases where a stair was open under the stair run, presenting a hazard to vision impaired people.

Drinking Fountains

While drinking fountains are provided at each of the facilities reviewed during the course of the Study, some aspects were not in full compliance with the ADAAG.

- Number of Fountains (§211.2, 602.4, 602.7) – Section 211.3 of the ADA indicates that if more than the minimum number of fountains are provided in a facility 50% of the fountains are to be accessible height and 50% are to be standing height. At least (1) fountain was provided on each floor at the Downtown facilities in the study, but not both accessible and standing height fountains.

- Clearance (§602.2, 305.3, 306.2.4, 306.3.5) – Clear toe and knee space is not adequately provided at the majority of the Downtown Campus fountains. In some cases, as at Milne Hall, lower fountains are provided within a niche, however the knee clearance is not fully sufficient. Apart from these, most fountains on campus are mounted above the 36" maximum mounting height dictated by the ADAAG.

- Spout Location (§602.5) – Spout locations at many fountains were not consistent with the ADA guidelines. In most cases spout locations were less than 15" from the wall behind.

Interior Ramps

A small number of interior ramps are present at the Downtown Campus, mainly located at Page Hall, and at the 2nd and 3rd floor connections between Richardson and Draper Halls. While the Richardson-Draper ramps are compliant, others can be improved.

- Ramp Slope and Height (§405.2, 405.6) – At Page Hall 2nd floor there are interior ramps with slopes steeper than the 1:12 ratio dictated by ADA for changes in elevation between 6"-30". Also, at this area the ramps change direction at an angle without an intermediary landing for greater than 30" in elevation change (Section 405.2).

- Handrails and Edge Protection (§405.8, 505, 405.9) – Handrails are absent at the 2nd floor Page interior ramps. The ADAAG states that ramps with greater than 6" change in elevation are to possess a handrail on both sides with a curb or edge protection less than 4" to the finished floor.

Elevators

A minimum of (1) elevator is present at each building in the Downtown Campus survey where there is more than one floor, with the exception of Page Hall and Hawley Hall. Currently there is no accessible vertical circulation provided between the Sub Basement and 3rd Floor at Page Hall, nor between the Basement and Mezzanine levels at Hawley.

Apart from noted door hardware and signage issues (refer to Existing Accessible Route drawing, Appendix H), an existing accessible route through the Downtown Campus 1st floor identified as "Main Street" provides a covered route for students and faculty between all of the buildings. This connection offers access to the various floors through the existing elevators and interior ramps, apart from Page Hall and Hawley Hall. Access to the upper and lower levels at these two facilities is not currently provided for individuals who are unable to use stairs.

In general most elevators were found to be compliant. As with the Uptown Campus, one key item that was noted during the course of the survey was that nearly all the elevators on campus lack a visible signal at each hoist way entrance at 72" above the floor. An exception is provided by the 2010 ADA stating that existing elevators are not required to comply with this provision (§407.2.1.5 Exception 2).

Protruding Objects

Accessible paths can be affected by the presence of objects protruding more than 4" from the surface of the wall if placed above 27" above the finished floor (§307). As part of the Study the project team surveyed the existing accessible route for wall-mounted objects that are can affect the routes.

It was noted on many of the corridors on campus that some objects were mounted higher than 27" above the floor, and protruding more than 4" out from the wall. The most common items

noted were wall-mounted fire extinguishers. Other miscellaneous equipment items were also found at various locations.

The Downtown Campus has a number of instances where standing height drinking fountains project from corridor walls above 27". These projecting fountains can be harmful to a vision-impaired person.

As noted in the recommendations section, the campus standard is for portable fire extinguishers to be provided in recessed fire extinguisher cabinets in new construction or renovated areas. In existing spaces, the University is providing new fire extinguisher hooks to keep extinguishers clear of the 27" minimum noted above.

Mats or Carpets

Walk-off mats have been provided at interior of entrances and at elevators throughout the campus. Per ADA §302.2 mats or carpet edges are to be firmly secured. In most locations where walk-off mats are provided the mats are secured to the floor with adhesive. There are cases noted where mats are detaching from the floor or are missing tape.

DOWNTOWN CAMPUS RECOMMENDATIONS - BUILDING

The recommendations for remediation at the Downtown Campus are similar to the recommendations for the Uptown Campus. The below recommendations are organized by the accessibility type previously identified in the existing conditions summary. The prioritization of the remediation is indicated in Section Three of this report. The recommendations outlined below are provided to the University in accordance with the ADA, Title II and the DRC, with consideration of the exemptions afforded to institutions for cases of undue burden or detriment to historic character (refer to the Introduction for additional information). The University may implement policy changes that reserve certain areas on campus as accessible, thereby limiting remediation to those areas.

Recommendations are provided in one of the three categories:

- Impact items: This category indicates items that would have the greatest impact, thereby providing the largest return on investment should they be corrected.

- Quick Correction: The second category identifies those items that can be corrected in relatively shorter amounts of time, with the least amount of design effort, cost, and labor. The campus-wide scale of replacement, however, will drive longer time durations and higher costs.

- Long Term: The last category is an overall planning tool to explain what items will need to be evaluated on a moving forward basis. These items will likely not be addressed in the near term but the intent is to have them be built into an overall campus improvement plan that will address smaller items having a larger impact on the overall layout of the campus.

Impact items:

Doors – Hardware at Interior Vestibule Doors
The fieldwork found that a number of doors at the Downtown Campus can be improved with regard to hardware, door pull-force, and required clearances. As renovations occur on campus or as budgets allow for the scale of the work, the University should develop a plan to replace hardware at doors; doors having door knobs, thumb latches, and difficult auto operator controls should be modified to ADAAG standards that do not require twisting or tight grasping, and will facilitate accessibility. It is recommended that interior doors at vestibules be considered a higher priority than other interior doors, in order to provide greater access for more people.

Interior Ramps - Handrails
The cases of steeper interior ramp slopes are located at the 2nd floor of Page Hall, a 1909 building with no elevator or accessible means to that floor. Ideally these ramps should be modified to maintain a 1:12 slope for elevation changes greater than 6" with intermediary landings provided for runs greater than 30'-0". The remediation of existing slopes that exceed ADAAG limits may in some cases be found to be difficult due to the cost and effect on adjacent spaces, unless the work

is done as part of a larger renovation plan for the facility. Less invasive modifications can be made to improve the accessibility, such as providing handrails for elevation changes greater than 6". Handrails should be provided on both sides of a ramp if the clear space between the rails is 36" or greater.

Quick Correction:

Protruding Objects
It is recommended that wall mounted items that are 4" off the wall and are mounted 27" above the floor should be lowered or relocated. Recessed or semi-recessed fire extinguisher cabinets would be optimal for cases where fire extinguishers project further than 4". If not possible the existing fire extinguisher cabinets should be mounted lower on the wall to be detectible by a visually-impaired person using a cane.

Drinking fountains that project into the corridor should be provided with a protective base or be recessed into the wall. Refer to the discussion on drinking fountains in this section.

According to the University the campus standard is for portable fire extinguishers to be provided in recessed fire extinguisher cabinets in new construction or renovated areas. In existing spaces, the University is installing new fire extinguisher hooks which set the bottom of extinguishers at a height not more than 27" above the finished floor, as noted above.

Mats or Carpets
Walk-off mats should be securely fastened to the floor to prevent from becoming a tripping hazard. Where flush mounted mats cannot be provided due to existing flooring the mats should be secured and routinely inspected for safety.

Vertical Clearance
Vertical clearance under stairwells at the Downtown Campus was not as widespread as at Uptown, however, the lower level condition of the noted stairwells should be corrected to prevent injury to vision-impaired individuals. At each case a rail or built element should be installed at a 27" maximum height in order to be detectible by a disabled person with a cane. The installation will direct a vision-impaired person away from the underside of the stair.

Signage
Many spaces at the Downtown Campus are identified by signage with braille or tactile letters, but there are areas where equal access signage can be improved.

As previously stated, based on feedback from the SUNY Albany Disability Resource Center at the beginning of the project, providing room numbers and room function in braille or raised tactile letters would greatly assist students/staff with wayfinding. The recommendation set forth in this report is to review such signage going forward as a reasonable step toward improving wayfinding

for all users. The University can also review policy and scheduling to designate certain areas as accessible, where services are equally provided to all users, including signage information.

Signage at building entry doors directing users to the accessible entry on the building should be provided where it is noted as lacking.

As noted in the Uptown Campus discussion, Title II identifies the need for institutions to make reasonable accommodations to provide equal communications for people with and without disabilities. Per §35.160 General:

> *(a) A public entity shall take appropriate steps to ensure that communications with applicants, participants, members of the public, and companions with disabilities are as effective as communications with others.*

Doors – Pull-Force and Interior Door Hardware
Many doors throughout the Downtown Campus require greater than the required pull-force to open. To correct this condition is it recommended that the University adjust problematic door closers so that the required pull force to open the door is less than 5 lbs.

As budgets allow, the University seeks to update interior door hardware through ongoing Campus maintenance projects.

Long Term:

Doors – Clearances
Doors lacking 18" pull-side clearance or 12" of push-side clearance on doors with closers should ideally be modified to provide the required clearance. However, in some cases modification may involve a significant amount of work that may be considered an undue burden for the University. As noted in the ADA background section of the Executive Summary if work results in significant difficulty or cost the existing conditions may not require remediation. As with the Uptown Campus, this work will need to be evaluated on a case-by-case basis. If the work would significantly affect the surrounding space, reasonable accommodations should be provided in some capacity through policy changes or the addition of an automatic door operator.

Stairs
Similar to Uptown the fieldwork found some cases where the stair risers slightly exceed the maximum 7". Since the work involved in correcting the rise will likely be costly, and the excess rise is minimal, ranging between ½" and ¼", this can typically be accounted for as an existing condition. With this consideration, in conjunction with space reconfiguration difficulties and the cost to renovate the existing stairs for riser compliance, this remediation work is not recommended at this time.

Stair treads lacking visual contrast at the leading 2" should have a detectible strip added for areas where accessibility is needed. Damaged nosings and those locations with faded detectible strips should be repaired at all stairs serving an accessible means of egress.

Handrail improvements should be reviewed at the Downtown Campus. Where possible some should be replaced or remounted with a rail height between 34"-38". Railings should be provided or remounted to maintain a continuous handrail for the entire run of stairs, including at landings. The Downtown Campus was not included in the Getty Heritage project, but certain features such as handrails, may be determined to have historic significance as being part of the original construction. As previously noted, SHPO plays a role in determining historic value and may determine that remediation is precluded in certain cases.

Drinking Fountains

Drinking fountains are provided at the Downtown facilities. While many buildings on campus have at least (1) accessible fountain, more than (1) standing height fountain is also provided. Per the ADAAG section 211.3, if more than the minimum number of fountains is provided at least half must be accessible.

Modifications should be made, if reasonable, to provide an equal number of accessible fountains by providing a fountain alcove at existing standing height fountain locations. If providing an alcove will be a significant burden the University can also look at schedule or administrative changes that provide equal services at a designated area to accommodate people with disabilities.

Lower fountains lacking proper knee clearance should be raised to the appropriate height if possible.

Interior Ramps – New Ramps

New ramps are proposed to account for the change in elevation between Husted and Richardson, and within Hawley, both at the basement levels (Appendix H). As indicated on the Downtown Campus proposed accessible route basement drawing, (3) options are provided for a ramp between Husted and Richardson, having different cost implications for the University. The proposed ramp at Hawley is proposed to provide access to the basement level if the addition of an elevator is not feasible.

If the cost or impact to the surrounding space for providing a ramp is found to be an undue burden, schedule or policy changes should be reviewed by the University to provide reasonable accommodations for users.

Elevators and Accessible Route Improvements

Currently there is no accessible vertical circulation provided between the Sub Basement and 3rd Floor at Page Hall, nor between the Basement and Mezzanine levels at Hawley. Unassisted access between levels at these facilities is not possible for disabled individuals who are unable to use

stairs. The addition of elevators is proposed to provide access for disabled persons at both buildings.

The University provided the consultant team with an earlier Page Hall study discussing the renovation of Page Hall in general. The study indicated accessibility remediation measures that are consistent with the ADA Study project team's recommendations, including ramp modifications, floor infill and wall openings at the Page Hall basement level to continue the basement level route on campus, and the addition of an elevator. The elevator addition would provide access between the Sub Basement and 3rd floors at Page, and also provide an additional accessible entrance to the building (Appendix H).

An elevator is also proposed at Hawley to provide access between the basement and mezzanine levels. Hawley serves as the library for the Downtown Campus and is used by faculty and students alike. Providing an elevator would not only provide access between floors, but also provide a more efficient route for disabled users who currently have a longer route to travel, through Draper Hall, to access the Library from the accessible parking to the north of the building.

An elevator addition at the northwest corner of Hawley would also shorten the distance a user travels from the accessible parking into Hawley; in lieu of using the Draper elevator, a disabled user can access the first floor through the new elevator from the basement level at Hawley. The work would involve the renovation of the existing northwest corner of Hawley to accommodate a new elevator shaft, as well as an area of second floor infill to provide elevator access to the mezzanine. Refer to Appendix H for additional information.

Section Three

PRIORITIES

PRIORITIES FOR ACCESSIBILITY UPGRADES

As previously stated, the recommendations provided in this report are based on the requirements in the 2010 ADAAG, discussions with the SUNY Albany Disabilities Resource Center (DRC), the Office of Facilities Management, the State University Construction Fund, and documentation provided by SUNY Albany regarding on-campus accessibility concerns, with consideration of exemptions provided to institutions in cases that pose an undue financial or logistical burden, or harm the historic character of facilities.

As noted, recommendations are provided in one of the three categories:

- Impact items: This category indicates items that would have the greatest impact, thereby providing the largest return on investment should they be corrected.

- Quick Correction: The second category identifies those items that can be corrected in relatively shorter amounts of time, with the least amount of design effort, cost, and labor. The campus-wide scale of replacement, however, will drive longer time durations and higher costs.

- Long Term: The last category is an overall planning tool to explain what items will need to be evaluated on a moving forward basis. These items will likely not be addressed in the near term but the intent is to have them be built into an overall campus improvement plan that will address smaller items having a larger impact on the overall layout of the campus.

With this approach the prioritization of remediation for improved accessibility on campus is recommended in the order outlined in the charts below, *and identified with a priority ranking of higher or lower*. These designations are based on the consideration and balance of priorities identified by Title II, the Campus heritage Preservation Plan and comments by the DRC, Facilities Management, and SUCF. The intent is the removal of physical barriers for the largest percentage of students, faculty and staff possible.

IMPACT ITEMS				
Item#	Description	Explanation for Inclusion	Cost	Priority
1	Accommodations to shorten routes through elevators:			
	• Podium Elevator Option A (Appendix G)	High benefit to remote but high use area.	$839,251.88	Higher
2	Update door hardware at interior doors – Entry Vestibules, Corridors, and doors at basement level between buildings.	Access to interior of buildings from vestibule.	P. 58 Unit Cost	Higher
3	Accessible Route to Athletic Complex – (Appendix G)	Improving exterior	$253,687.50	Lower

		accessible route to high use area.		
4	Provide handrails/ edge protection at ramps – Exterior	Improving exterior and interior accessible route.	P. 58 Unit Cost	Lower

QUICK CORRECTION: REPAIR AND MAINTENANCE				
Item#	Description	Explanation for Inclusion	Cost	Priority
1	Protruding Objects - Relocate, lower, or provide recessed wall mounted objects, such as fire extinguishers.	Removal of barriers that may affect disabled individuals.	P. 58 Unit Cost	Higher
2	Secure Walk-off Mats	Reducing tripping hazard for disabled individuals in entry vestibules and elevators.	In-House	Higher
3	Vertical Clearance - Provide built element lower than 27" under the open stairs to be detectible by a vision-impaired person walking with a cane.	Reducing hazard for disabled individuals.	P. 58 Unit Cost	Lower
4	Signage for Equal Access	DRC (Disability Resource Center) request for equal signage.	P. 58, 59 Unit Cost	Lower
5	Minor Ground Surface Maintenance – Provide new application of joint sealant to correct minor exterior ground surface issues, and patch areas of deteriorated concrete.	Reducing tripping hazard for disabled individuals at various exterior locations.	P. 57 Unit Cost	Lower
6	Vehicle Obstruction – Provide wheel stops at locations where stopped cars are not prevented from overhanging the accessible route.	Reducing tripping hazard for disabled individuals at various exterior locations.	P. 57 Unit Cost	Lower
7	Update door hardware at interior doors – Non-vestibule doors	Improving interior accessibility.	P. 58 Unit Cost	Lower

LONG TERM				
Item#	Description	Explanation for Inclusion	Cost	Priority
1	Accessible Entrances - Provide an accessible entrance to buildings, unless equal service can be provided elsewhere. As noted, a project is currently underway by the University to modify building entrances.	Providing accessible entry to buildings from the exterior.	*SUCF 01A93	Higher
2	Access to restrooms - Provide 18" pull-side clearance at toilet room doors. Designate areas for equal services or provide auto operator.	Removal of barriers that may affect disabled individuals.	P. 58, *SUCF 011008	Higher
3	Repair Thresholds **	Reducing tripping hazard for disabled individuals at various interior locations.	P. 58 Unit Cost	Higher
4	Podium Accessible Route at University Police Department	Improving exterior accessible route on campus.	$191,090.63	Lower
5	Cross Slope and Running Slopes in Parking Spaces and Accessible Aisles - Correcting slopes in parking spaces and accessible aisles should be evaluated when planning for future site improvements that are in the vicinity of or adjacent to areas requiring better accessibility.	Improving exterior accessible route.	P. 57 Unit Cost	Lower
6	Stairs - Where the historic integrity is not compromised, provide continuous handrails between 34"-38" in height, provide detectible strip at stair nosings where missing at accessible stairs.	Improving interior accessible route.	P. 58 Unit Cost	Lower
7	Drinking Fountains - Where feasible, provide equal number of accessible fountains to standing-height fountains.	Improving accessibility to drinking fountains for disabled individuals.	P. 58 Unit Cost	Lower
8	Catch Basins - It is recommended that the campus replace the catch basin grates in the select locations that do not meet the ½" or less requirement along the accessible route	Improving exterior accessible route.	P. 57 Unit Cost	Lower
9	Accommodations to shorten routes through ramp: New ramp between Husted and Richardson at basement level.	Improving interior accessible route at basement level.	P. 58 Unit Cost	Lower
10	Accommodations to shorten routes through elevators:			
	Hawley Hall Elevator (Appendix H)	Part of Hawley Hall Rehabilitation	$882,888.19	Lower
	Page Hall Elevator (Appendix H)	Part of Page Hall Rehabilitation	$838,391.81	Lower

* Refer to cost information provided by SUNY at the end of Section Four

** Thresholds not replaced in association with replacement of accessible entrances (item 1)

RECOMMENDED PROJECT PACKAGES

Remediation – Project Packages:
Below is a list of potential project packages based on the prioritized remediation recommendations outlined in this report. These packages present only a simple conceptual approach to ADA remediation in a manner that affects the greatest number of users. Refer to the unit pricing indicated in Section Four for cost information.

Elevator Addition – Uptown
The addition of (1) elevator at the Uptown Campus, as outlined in Sections Two and Six (Appendix G, drawings U3 through U6). Elevator Option A addresses the inefficient accessible route between the Podium plaza level and the Basement and Sub Basement levels and will make use of an existing elevator shaft that exists between the Basement and Sub Basement.
Estimated cost: $839,251.

Site – Accessible Route from the Podium to Physical Education Building:
A key improvement that can be made for the exterior accessible route is a connection provided between the Podium area and the Athletic building. As noted in Appendix G a 5' wide span of sidewalk, with associated curb ramps and crosswalks, would provide an accessible route from southwest of the Campus Center to the athletic facilities south of the Podium.
Estimated cost: $253,687.

Buildings – Podium Building Entry Renovations:
Also as noted, SUNY currently has a campus-wide project underway to renovate the main entrances at the Podium facilities for improved accessibility. Refer to the following pages in this section for SUNY-provided cost information for the "Podium Entry Door" project.
SUCF 01A93, Estimated cost: $2,138,000.

Buildings – Podium Building Entry at Basement Level:
The replacement of door hardware is indicated in the Section Three Priorities as an 'Impact Item'. A quick project to provide accessibility into the Podium buildings is to replace hardware specifically at basement-level entry vestibules. Although a door operator is provided at exterior doors, the interior vestibule doors are recommended for hardware upgrade. (Appendix G, drawing U2).
Per Section Four unit price estimates, cost per door including mark-up: $783.75. (5) Locations have been identified, with an estimated project cost of $3,918.75.

Site – Podium Ramps:
Section Two of this report identifies that exterior entry ramps at the Podium should be improved for better accessibility. A project is recommended to modify ramps where reasonable and provide edge protection and handrails. Of particular concern are the main Podium access ramps at the north side, as noted in the report.
Per Section Four unit price estimates for costs associated with ramp modifications, the cost per LF for new edge protection at existing ramps, including mark-ups: $455.00 for 280 LF for an estimated project cost of $127,400.

Podium – Basement and Sub Basement Level Accessible Routes
The Basement and Sub Basement level accessible routes have been identified in this report as being potentially difficult for disabled individuals moving through buildings. As noted in Section Two and specifically in Section Six (Appendix G, drawings U5 and U6), the current route possesses elements that limit movement. Drawings U5 and U6 identify the route and highlight key problem areas, such as instances problematic hardware at interior corridor doors between buildings as well as ramps requiring remediation. As indicated in the report and drawings, the proposed modification to the ramps includes the addition of handrails, due to the impact ramp-slope modification would have on adjacent areas.
Note: The routes do not include the Tunnel, which is currently not for public use.
Per Section Four unit price estimates, cost per door including mark-up: $783.75.
Cost per LF for handrail addition including mark-up: $154.69. The estimated project cost for the improvements along the basement and subbasement accessible routes is based on approximately (15) doors, and 30 LF of handrail improvements: $60,500.

Buildings – Toilet Room Renovations:
As previously noted, this accessibility study excluded toilet rooms apart from toilet room entry doors. SUNY currently has a campus-wide project underway to renovate toilet rooms for improved accessibility. Refer to the following pages in this section for SUNY-provided cost information for the "Rehabilitate Toilet Rooms for ADA" project.
SUCF 011008, Estimated cost: $10,947,000.

Elevator Addition – Downtown
The addition of (1) elevator at Hawley Hall at the Downtown Campus, as outlined in Sections Two and Six (Appendix H, drawings D5 through D7). Providing an elevator would not only provide access between floors at the library, but also provide a more efficient route for disabled users who currently have a longer route to travel to access the Library from the accessible parking spaces.
Estimated cost: $882,888.

Section Four

COST OPINION

COST OPINION

This schematic opinion of probable construction cost is for accessibility remediation at SUNY Albany, itemized per unit cost. The unit cost can be applied to projects of varying scales, qualified with a project-cost multiplier to provide an order of magnitude cost for work.

Following the general estimate is a conceptual cost summary for the Humanities Building, which has been identified by the University as a typical academic building on Campus.

GENERAL ESTIMATE BY UNIT PRICE

Basis of General Estimate:

The following items outline the basis of unit cost and cost exclusions:

1. Professional Design fees are excluded from the unit costs.
2. Unit price excludes ACM Removal, except where noted.
3. Costs provided are based on industry standards at time of the report and do not include escalation.
4. All costs are based on current published prevailing wage rates.
5. 25% Overtime work & Phasing allowance is included.
6. Unit price costs, including markups include the following percentages:
    - 20% for General Conditions
    - 10% Overhead and Profit
    - 25% Design Contingency and Construction Contingency

Remediation Cost Summary - General Breakdown per Accessibility Item:

Description	Unit	Direct Unit Price	Unit Price including Markup
Site Work			
Cross slope and running slope in parking spaces and accessible aisles (correcting slopes in parking spaces)	SF	$20.00	$41.25
Replace catch basins grates in locations that do not meet the 1/2" or less requirement along the accessible route	EA	$2,250.00	$4,640.63
Provide new application of joint sealant to correct minor exterior ground surface issues, and patch areas of deteriorated concrete	LOCS	$100.00	$206.25
Provide wheel stops at locations where stopped cars are not prevented from overhanging the accessible route	EA	$150.00	$309.38
5′ wide concrete sidewalk	SF	$15.00	$30.94
Painted crosswalk	LOCS	$1,000.00	$2,062.50
Curb ramp	EA	$1,000.00	$6,187.50
Remove existing 5′ wide asphalt sidewalk	SF	$5.00	$10.31

Accessible Route to Athletic Complex – (Appendix G)	EA	$123,000.00	$253,687.50
Accessible Route at Campus Police – (Appendix G)	EA	$92,650.00	$191,090.63
Entrances and Doors			
Replace door knobs/thumb latches (incl. asbestos abatement)	EA	$380.00	$783.75
Replace key pads	EA	$330.00	$680.63
Add automatic operator	EA	$8,000.00	$16,500.00
Replace door and frame and enlarge opening if required	EA	$2,500.00	$5,156.25
Firmly secure mats or carpets	LOCS	$200.00	$412.50
Replace door threshold	EA	$125.00	$257.81
Interior Access Route			
Lower switches	EA	$450.00	$928.13
Remove protruding objects – Fountain relocation requiring piping access	LOCS	$3,500.00	$7,218.75
Remove protruding objects – Fountain relocation providing new alcove	LOCS	$2,600.00	$5,362.50
Interior sign with raised tactile letters/ braille	EA	$253.00	$521.81
Provide Recessed Fire Extinguishers	EA	$250.00	$515.63
Vertical Circulation - Ramps			
New Exterior Ramp (with rail)	LF	$400.00	$825.00
New interior ramp	LF	$450.00	$928.13
Add handrail	LF	$75.00	$154.69
Add handrail and guardrail	LF	$175.00	$360.94
Add curb or barrier at edge protection	LF	$45.00	$92.81
Drinking fountains			
New ADA height fountain – Single	EA	$2,250.00	$4,640.63
Replace existing standing height wall-recessed fountain	EA	$2,600.00	$5,362.50
Vertical Circulation - Stairs			
New continuous handrail	LF	$100.00	$206.25
New continuous handrail @ window location	LF	$100.00	$206.25
Instances of stair open under stair	LF	$100.00	$206.25
Redoing stair nosings	FLT	$3,000.00	$6,187.50

Vertical Circulation - Elevators			
New Elevator – Page Hall (Downtown)	EA	$406,493.00	$838,391.81
New Elevator – Hawley Hall (Downtown)	EA	$428,067.00	$882,888.19
New Elevator – Uptown Option A	EA	$406,910.00	$839,251.88
Clear floor area	LOCS	$2.00	$4.13
Call controls to be raised or flushed	EA	$270.00	$556.88
Cab controls to be raised or flushed	EA	$270.00	$556.88
Hall signals	EA	$253.00	$521.81
Hoistway signs	EA	$253.00	$521.81
Replace cabs	EA	$20,000.00	$41,250.00
Signage			
Exterior sign with raised tactile letters/ braille	EA	$2,500.00	$5,156.25

ESTIMATE – TYPICAL PODIUM BUILDING: HUMANITIES

Basis of Estimate – Humanities Building:

The following items outline the basis of unit cost and cost exclusions for the conceptual estimate for remediation at the Humanities Building (See Accessibility Upgrade Surveys, Appendix G):

1. A - E fees are excluded.
2. Includes ACM removal.
3. Following mark ups are included:
    a. 20% General Conditions
    b. 10% OH & Profit
    c. 25% Design Contingency & Construction Contingency
4. Escalation is excluded
5. No FF & E
6. Overtime work & Phasing included
7. All Unit Costs are based on prevailing wages

Remediation Cost Summary – Humanities Building:

Description	**%**	**Total**
Entrances And Doors		$129,480
Interior Accessible Route – Interior Signage, General		$2,024
Vertical Circulation-Ramps		$0
Drinking Fountains		$13,350
Vertical Circulation-Stairs		$36,000
Vertical Circulation-Elevators		$4,012
Interior Signage at Doors		$28,800
ACM Removal		$50,000
Sub Total		$263,666
General Conditions	20%	$52,640
Sub Total		$316,399
OH & Profit	10%	$31,640
Sub Total		$384,039
Overtime and Phasing	25%	$87,010
Sub Total		$435,049
Contingency	25%	$108,762
Total Construction Costs		**$543,811**

REMEDIATION COST BREAKDOWN – HUMANITIES BUILDING:

DESCRIPTION AND DRAWING CODE (Refer to Accessibility Upgrade Surveys for Drawing Code, Appendix G)		QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	**ENTRANCES AND DOORS**				
D	Replace door & frame and provide required clearance	24	EA	$2,500.00	*$60,000.00
D2	Door pull force (Door Closer)	54	EA	$300.00	**$16,200.00
D4	Replace door knobs/thumb latches	222	EA	$190.00	$42,180.00
	Coring for the above	222	EA	$50.00	$11,100.00
Subtotal					$129,480.00
2	**INTERIOR ACCESS ROUTE**				
S2	Interior sign with raised tactile letters/braille	8	EA	$253.00	$2,024.00
Subtotal					$2,024.00
3	**VERTICAL CIRCULATION-RAMPS**				
Subtotal					$0.00
4	**DRINKING FOUNTAINS**				
F	Provide ADA compliant Fountain at (3) Floors	3	EA	$3,000.00	***$9,000.00
	Demolition, 30" wall recess, paint/patch				$4,350
Subtotal					$13,350.00
5	**VERTICAL CIRCULATION-STAIRS**				
S3	New continuous handrail	360	LF	$100.00	$36,000.00
Subtotal					$36,000.00
6	**VERTICAL CIRCULATION-ELEVATORS**				
A2	Clear floor area - vertical obstruction (provide railing)	20	LF	$150.00	$3,000.00
E2	Hall Signals	4	EA	$250.00	$1,012.00
Subtotal					$4,012.00
7	**SIGNAGE**				
A4	Interior signage at doors	240	EA	$120.00	$28,800.00
Subtotal					$28,000.00
8	**ACM Removal**				
	ACM Removal	1	Ls	$50,00.00	$50,000.00
Subtotal					$50,000.00
TOTAL					**$263,666.00**

* Does not include exterior doors, per forthcoming SUCF entry door replacement project.
**Based on new closer hardware. Some closers may need adjustment in lieu of replacement.
***Modification may impact adjacent spaces.

PODIUM ENTRY DOOR PROJECT - Cost Estimate/Phasing								
Project Number: SUCF 01A93								Date: 07-12-2017
Item #	**Building Name**	**# Doors**	**Estimated Cost**	**2017-2018**		**2018-2019**		**Comments**
				1	2	3	4	
1	Social Sciences	12	$ 360,000	$ 360,000				
2	Humanities	8	$ 240,000		$ 240,000			
3	Education	8	$ 240,000		$ 240,000			
4	Physics	8	$ 240,000			$ 240,000		
5	Chemistry	8	$ 240,000			$ 240,000		
6	Biology	12	$ 360,000				$ 360,000	
7	Performing Arts	12	$ 240,000				$ 240,000	6 exterior/6 interior doors
		68	**$ 1,920,000**	**$ 360,000**	**$ 480,000**	**$ 480,000**	**$ 600,000**	
Change Order Contingency @ 10%:			$ 218,000					
	Total Construction Estimate:		**$ 2,138,000**					

REHABILITATE TOILET ROOMS FOR ADA - CAMPUS WIDE, PHASING

Project Number: SUCF 011008 — Date: 07-12-2017

Criteria	Priority	Building Name	# Rest-rooms	Estimated Cost	2018 - 2019		2019-2020		Comments
					1	2	3	4	
High Return Restrooms	1	Library	7	$ 460,000	$ 460,000				
	2	Performing Arts	5	$ 437,000		$ 437,000			
	3	Lecture Center	10	$ 749,000			$ 749,000		
	4	Campus Center	8	$ 398,000				$ 398,000	
Non-accessible Restrooms	1	Hawley	3	$ 121,000	$ 121,000				
Restrooms adapted but non-conforming door clearances	1	Biology	9	$ 642,000	$ 642,000				
	2	Draper	14	$ 1,260,000	$ 1,260,000				
	3	Milne	8	$ 727,000				$ 727,000	
	4	Fine Arts	7	$ 356,000		$ 356,000			
	5	Physics	7	$ 501,000		$ 501,000			
	6	Chemistry	9	$ 652,000			$ 652,000		
Restrooms adapted but lesser non-conforming issues	1	Humaities	9	$ 655,000			$ 655,000		
	2	Social Sciences	15	$ 1,044,000		$ 1,044,000			
	3	Richardson	7	$ 385,000			$ 385,000		
	4	Earth Science	7	$ 488,000				$ 488,000	
	5	Education	7	$ 490,000				$ 490,000	
	6	Computer Center	3	$ 154,000				$ 154,000	
Totals			**110**	**$ 9,519,000**	**$ 2,483,000**	**$ 2,338,000**	**$ 2,441,000**	**$ 2,257,000**	
		Bid Contingency @ 5%:		$ 476,000					
		Change Order Contingency @ 10%:		$ 952,000					
		Total Construction Estimate:		**$ 10,947,000**					

Section Five

APPENDIX, VOLUME 1

Appendix A

MEETING MINUTES

Meeting Minutes

April 14, 2016

Hyman Hayes ASSOCIATES

MEETING DATA		PROJECT
Meeting No: 1		**SUNY Albany**
Purpose: Project Kick off		**State University Construction Fund**
Location: SUNY Albany SBA		**SUCF Project No. 011014**
Date: April 14, 2016		HHA Project No. 16009
Start Time: 3:00 pm	End Time: 4:15 pm (est.)	Submitted by:
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany	518-813-8502	jbaumstein@albany.edu
Y	Karl G. Kilts, Code Administration	SUNY Albany	518-788-2407	kkilts@albany.edu
Y	David Loucks, Principal	Hyman Hayes Associates	518-452-3470	dloucks@hymanhayes.com
Y	Traci Wood, Design Engineer	MJELS	518-371-0799	twood@mjels.com
Y	Shelbi Moore Project Engineer	MJELS	518-371-0799	smoore@mjels.com
Y	Joel Bianchi Project Manager	MJELS	518-371-0799	jbianchi@mjels.com
Y	Errol Millington Director	SUNY Albany	518-442-3400	emillington@albany.edu
Y	Michelle Houghtaling, Principal	MH Professional Engineering (MHPE)	518-280-6522	mhoughtaling@mhproengineering.com

Item	Summary of Business	Responsibility
01	Introductions including SUCF, SUNY Albany, Hyman Hayes, MH Professional Engineering, and MJ Engineering	-
02	Procedural info presented and discussed: The following were included in the discussion a. Point of contact for project will be Annette Barnes for SUCF and Dave Ono for SUNY Albany b. Buildings and exterior areas are to be surveyed as defined in the scope of work. c. Draft copies of all correspondence shall be distributed to Annette Barnes and Dave Ono for approval prior to final distribution.	-
03	**Deliverables:** a. All deliverables to be in SUCF and SUNY Albany acceptable format. b. The scope of work indicates (3) paper and (3) electronic copies of all reports shall be submitted to SUNY Albany. SUNY Albany believes additional copies may be necessary and will advise HHA if additional electronic or paper copies are required.	-
04	**Parking:** a. Project consultants shall be responsible for parking. A day pass may be obtained from the SBA building or consultants may purchase a year long pass from the university. b. Any parking infractions will be the responsibility of the consultant.	
05	**Building Access and Site Visits:** a. HHA and HHA consultants shall contact and inform Dave Ono a minimum of 24 hours prior to any exterior verification work and a minimum of 48 hours prior to any interior work. b. Consultants may obtain keys for access to all facilities by either obtaining keys from the Customer Service Office, Humanities, B-43, or by arrangement with Dave Ono or Jay Baumstein, at the Power Plant. Keys must be returned by the end of each day. c. Keys obtained from the Customer Service Office must be returned by 3:30. d. The Power Plant is staffed 24 hours a day and keys obtained from this office may be returned at any time. e. SUNY Albany can upon request have a set of keys made for the project team and stored at the Power Plant. f. HHA and HHA consultants shall use care when taking video or photography around the campus. Photos of students, staff or visitors should be avoided at all times during the study. g. Anyone conducting field verifications should have an ID badge. SUNY Albany can request to have ID badges made for the project team.	-
06	**Exterior Verifications:** a. MJ Engineering will use mobile GPS for surveying of all exterior routes. b. Exterior accessible routes should be as direct and as feasible as possible.	
07	**Schedule:** a. This project is scheduled for 10 months. It is anticipated all verification can be completed by October 2016. b. HHA will generate a tentative site access schedule as well as an overall project schedule.	HHA

08	**Existing Documentation:** a. SUNY Albany will electronically distribute all existing documentation related to the areas to be surveyed. b. SUNY Albany shall provide any existing colored accessible route drawings c. Project consultants will update the existing conditions drawings only as they pertain to the scope of work and ADA compliance.	SUNY Albany Files Received 4/20/15
09	**Recommendations:** a. Recommendations shall be prioritized based on order of magnitude. b. HHA shall compile schematic drawings or written description of work for remediation of all non-compliant features, access or accessories defined by the scope of work. c. Draft and final reports shall include an estimate of cost related to remediation of physical barriers. Detailed estimates are not required but should be sufficiently detailed to establish project budgets. A schematic level estimate is sufficient.	
10	**Scope of Work:** a. Although this study will observe and document a significant percentage of ADA compliance, it is not 100% inclusive. HHA is developing an itemized list of interior and exterior items for review by SUCF and SUNY Albany. b. HHA will develop and submit a list of all ADA physical barrier scope items included in the SUCF proposal. c. The extent of the ADA study will start at all public access points to the campus property. These points include private vehicle, public transportation and pedestrian access points. d. HHA and consultants of HHA will make the determination of reasonable accommodations for accessibility based on the Americans with Disabilities Act Title III. e. Interior verification will not include individual dorm buildings.	HHA
11	**Meetings:** a. Scope of work includes 20 project related meetings. It is anticipated a regularly scheduled monthly meeting will be conducted to review progress, upcoming schedules and review of findings. No official submissions are required at these meetings. b. SUNY Albany may want to conduct a few remote meetings with the project team. If remote meetings are limited in quantity and duration, they will not be counted against the 20 meeting identified in the scope of work. c. Prior to the start of field work, HHA would like to meet with any SUNY Albany organizations representing disabled interests.	Meeting Scheduled for April 29, 2016

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

April 29, 2016

Hyman Hayes ASSOCIATES

MEETING DATA

PROJECT

Meeting No: 2		**SUNY Albany**
Purpose: Meeting with Disabled Faculty/ Staff/ Advocacy Groups		**State University Construction Fund**
Location: SUNY Albany SBA		**SUCF Project No. 011014**
Date: April 29, 2016		HHA Project No. 16009
Start Time: 9:00 pm	End Time: 11:00 pm (est.)	Submitted by:
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany	518-813-8502	jbaumstein@albany.edu
Y	Karl G. Kilts, Code Administration	SUNY Albany	518-788-2407	kkilts@albany.edu
Y	David Loucks, Principal	Hyman Hayes Associates	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates	518-452-3470	rshinaishin@hymanhayes.com
Y	Shelbi Moore Project Engineer	MJELS	518-371-0799	smoore@mjels.com
Y	Joel Bianchi Project Manager	MJELS	518-371-0799	jbianchi@mjels.com
Y	Errol Millington Director	SUNY Albany	518-442-3400	emillington@albany.edu
Y	Carrie Snyder, SUNY DRC	SUNY Albany	518-442-5490	csnyder@albany.edu
Y	Carolyn Malloch SUNY DRC	SUNY Albany	518-442-5490	cmalloch@albany.edu
Y	Chris Ortega, Student	SUNY Albany	203-898-5121	Cortega2@albany.edu
Y	Sally Friedman			
Y	Dolores Cimini			

Item	Summary of Business	Responsibility
01	Introductions including SUCF, SUNY Albany, Hyman Hayes, and MJ Engineering	-
02	**Scope of Work:** The consultant team stated the focus of work will be to assess the ADA compliance of 22 buildings and surrounding site as indicated by the scope of work. a. SUNY requested that in addition to ADA compliance the consultant team review the existing conditions and make a determination of reasonable accommodations. b. SUNY campus groups conducted an informal survey in 2015 and documented issues that have been problematic for students, staff and visitors. A survey report was issued following the walk-through and will be reported to the project team.	-
03	**Doors:** It was noted that doors throughout the campus are problematic for those with disabilities. The concerns are not universal and may vary depending on the individual's disability. One concern is doors that are accessible in only one direction. Individuals who travel through particular doors may not have the same access in the opposite direction. a. Many doors are still in use with knob or push lever type hardware. b. Push paddles are installed at various locations throughout the campus. Push paddle locations are inconsistent or obstructed by other building elements. c. It was noted that doors with lowered vision panels would be desired. d. Many fire doors without hold-opens require an amount of force to open that is beyond the capabilities of those with low upper body mobility. e. Some doors, such as BA building still have push buttons in place of push pads. Those with dexterity disabilities often have trouble operating these types of door openers. It was noted by the Campus that the BA building is in design for a full renovation.	-
04	**Signage:** Signage is very problematic around campus. Concerns with signage includes: a. Incorrect braille on room or area signs. HHA and its consultants will survey campus signs, but the verification of the braille will be handled by the Campus in future projects. b. Most signage has braille and raised room numbers but lack any raised room identification. Individuals with visibility disabilities may have difficulty identifying the room function without raised lettering. c. Although ongoing construction activities are published to all campus departments, construction activities often disrupt accessible routes and those with disabilities are often not aware of temporary or alternative routes. Signage at locations with construction activities would be helpful. d. Braille signs are not at the Lecture Center rooms, however, SUNY believes they may be temporarily removed due to a renovation. e. Additional wayfinding signage would be useful, both interior and exterior.	
05	**Toilet Room:** a. Many toilet rooms are not accessible and some accessible toilet rooms are not in close proximity to large classroom/lecture rooms. b. Toilet rooms without doors are desirable, similar to toilet rooms at lobby of	-

	the campus center. Not only for accessibility but also to minimize the possibility of injury due to door swing. Due to space constraints of existing toilets, this may not be possible at many locations, but alternatives may be looked at during the study.	
06	**Elevators:** a. Some individuals have had difficulty with the call buttons on existing elevators. b. The lack of vertical transportation is challenging in some areas. Those with disabilities need to utilize longer routes or take exterior routes to access spaces between the floors of some buildings.	
07	**Parking:** a. There are no significant concerns over existing accessible parking. Individuals with accessible parking permits are allowed to park in all locations except spaces reserved for individuals. b. Some additional accessible spaces near the podium building would be desired.	
08	**Site Accessibility:** a. Travel distance around campus is often the greatest challenge for those with mobility or fatigue issues. b. In general, exterior access is acceptable but some ramps are in poor condition, some ramps have poor access and many stairs and ramps are lacking proper handrails.	
09	**Interior Spaces:** a. Spaces such as the existing Lecture Centers have poor accessibility. There is a lack of access from the top of the Lecture Room to the bottom level.	
10	**Accessible routes:** It was noted the tunnel is often problematic for people with disabilities, but SUNY noted that although some accessibility components have been installed within the Tunnel, this area is not and has not been intended to be used as an accessible route. The consultant team will look at the feasibility of an accessible route for the Podium entirely on the B-Level.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

August 26, 2016

MEETING DATA

		PROJECT
Meeting No: 3		**SUNY Albany**
Purpose: Survey Progress Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 212		**SUCF Project No. 011014**
Date: July 22, 2016		HHA Project No. 16019
Start Time: 8:30 am	End Time: 10:30 am (est.)	Submitted by: HHA
Next Time: September 16, 2016		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany	518-813-8502	jbaumstein@albany.edu
Y	David Loucks, Principal	Hyman Hayes Associates	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates	518-452-3470	rshinaishin@hymanhayes.com
Y	Shelby Moore Project Engineer	MJELS	518-371-0799	smoore@mjels.com
N	Joel Bianchi Project Manager	MJELS	518-371-0799	jbianchi@mjels.com
N	Errol Millington Director	SUNY Albany	518-442-3400	emillington@albany.edu

Item	Summary of Business	Responsibility
01	General statement of meeting purpose by HHA. A general walk-through of all buildings was conducted by HHA in May in order to establish a plan for the fieldwork. The fieldwork for the project began in early June at the Downtown campus.	-
02	**HHA Summary of Downtown Campus progress:** An update was provided for the status of the field work at the Downtown Campus and how the information gathered is being documented and formatted. a. HHA summarized the work that has been done to date and presented plans that document the findings. The plans presented include an overall first floor plan for the campus, indicating the accessible route through the buildings and highlighting key problem areas. A campus accessible route plan will be provided for each floor at the Downtown campus.	-

	An example of a building floor plan was also presented. The plan provides keyed ADA code references to identify areas of non-compliance on the floor. The plan also provides keyed-in photo references to provide an example of the non-compliant issues, such as door hardware or clearances. The intent of both plans is to convey the issues found during the fieldwork as they currently exist. HHA is currently documenting the survey findings for each floor of the buildings within the project scope in the same format as indicated above. Items highlighted for noncompliance are not necessarily part of the existing accessible path, but have been documented for possible future accommodations/changes on campus that may require compliance. b. It was discussed that during the next phase HHA will evaluate the survey findings and provide an assessment of how non-compliance issues can be remedied, prioritizing the work and including an order of magnitude cost. This information will be included in the project report that will be issued to SUCF. c. HHA also clarified that the ADA code references provided on the plans will be further expanded upon in the report.	
03	**HHA Summary of Uptown Campus progress:** An update was also provided for the status of the field work at the Uptown Campus. a. At the time of the meeting the survey had begun at the academic podium buildings. HHA is documenting the work using the same process as the Downtown campus. The survey team is planning to document conditions at academic spaces before the start of the fall semester at the end of August.	-
04	**MJ Summary of Downtown Campus progress:** MJ presented their findings at the Downtown campus to the meeting attendees, identifying key ADA issues that have been found, and indicated how the information is being conveyed. a. Accessible parking spaces were identified on a site plan b. Deficiency photos were included to provide examples of ADA noncompliance. c. Connections to accessible entries at campus buildings were indicated. Further coordination with HHA is ongoing. d. Signage issues were documented.	
04	**MJ Summary of Uptown Campus progress:** MJ has conducted a general survey of the campus. Fieldwork on the Uptown campus will be conducted before the start of the school year, and will be coordinated with HHA's survey schedule.	
05	**Questions from Consultant Team for SUCF/SUNY:** a. HHA requested feedback on the future connection to the Former Albany High School, currently being renovated at the Downtown Campus. SUCF will provide HHA with information on locations of accessible entrances in order for the project team to look at tie-in areas. SUCF has previously expressed interest in maintaining the "Main Street" first floor connection between all buildings on the Downtown campus. However, it is likely that this connection will occur from the basement of Milne Hall. b. Feedback was requested by HHA on the extent of the work at the SEFCU Arena and the Bubble. SUCF responded that the work is mainly limited to accessibility from the site, particularly relating to accessing the interior from the outside.	-

	c. MJ questioned the function of the accessible parking spot in the courtyard area behind Husted Hall. There is not currently a route to an accessible door in this area. It was discussed that the types of disabilities present on campus do not necessarily preclude the use of stairs to access an entry. The design team will look at options in the review phase of the project. d. MJ and HHA requested feedback on the scope of work at the Freedom apartments. An investigation of site accessibility at this location was included in the project scope, however both MJ and HHA indicated that there are no accessible entry doors to which an accessible route leads. SUCF will investigate and provide feedback. e. MJ requested feedback as to what athletic areas the accessible route should extend to. It was noted by SUCF that the route should be focused on moving students and staff through the public areas of the campus, including to the SFECU Arena, main athletic fields, and the football stadium.	
06	**Feedback from SUCF/SUNY:** a. It was requested that more context be provided on the floor plans, showing connections/adjacencies to other buildings. This will be provided where possible on the layouts, particularly at the basement and first floor levels. b. SUCF stated that there is an existing SUCF project to provide new entrances at the academic buildings at the Uptown campus. This will address the door width issue that HHA highlighted; the main entry doors are currently less than 32" clear in width. c. It was generally discussed that the project team should look for accessible routes or routes through the campus that will reduce the travel distance for students and staff with disabilities. These routes will be evaluated during the review phase of the project and included in the report. d. It was noted that the fall semester begins at the end of August.	-

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

September 29, 2016

Hyman Hayes ASSOCIATES

MEETING DATA

PROJECT

Meeting No: 4		**SUNY Albany**
Purpose: Survey Progress Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 212		**SUCF Project No. 011014**
Date: September 16, 2016		HHA Project No. 16019
Start Time: 8:30 am	End Time: 10:00 am (est.)	Submitted by: HHA
Next Time: October 28, 2016, 8:30 am		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany (SUNY)	518- 442-3403	dono@albany.edu
N	Jay Baumstein, Construction Manager	SUNY Albany (SUNY)	518-813-8502	jbaumstein@albany.edu
Y	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
N	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
Y	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com
Y – 2nd half of meeting	Errol Millington Director	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
Y	Poulami Sen Graduate Student Intern	SUNY Albany (SUNY)	518-442-3456	psen@albany.edu

Item	Summary of Business	Responsibility
01	General statement of meeting purpose by HHA. The fieldwork for the project began in early June at the Downtown campus and continued through the summer at the Uptown Campus.	-
02	**HHA Summary of Fieldwork Progress:** An update was provided for the status of the field work at the Uptown Campus and how the information gathered is being documented and formatted. a. HHA summarized the work that has been done to date and presented plans	-

	that document the findings. The bulk of the survey work for the buildings is complete and the information gathered is being indicated on existing building floor plans, identified as 'Noncompliance Plans'. The plans provide keyed ADA code references to identify areas of non-compliance on the floor. The plan also provides keyed-in photo references to provide examples of the non-compliant issues, such as door hardware or clearances. The intent of the plans is to convey the issues found during the fieldwork as they currently exist. HHA is completing documenting the survey findings for each floor of the buildings within the project scope in the same format. Note: Items highlighted for noncompliance are not necessarily part of the existing accessible path, but have been documented for possible future accommodations/changes on campus that may require compliance. The ADA code references provided on the plans will be further expanded upon in the project report. b. It was discussed that during the next phase HHA will evaluate the survey findings and provide an assessment of how non-compliant issues can be remedied, prioritizing the work and including an order of magnitude cost. This information will be included in the project report that will be issued to SUCF. c. HHA also presented a progress drawing of the Uptown Campus indicating locations existing door operators. This plan is initially intended for coordination with MJ's study of the site accessible path.	
04	**MJ Summary of Fieldwork Progress:** MJ presented their findings at the Uptown campus to the meeting attendees, identifying key ADA issues that have been found. The fieldwork is about 90% complete. a. Accessible parking spaces were identified on a site plan b. Deficiency photos were included to provide examples of ADA noncompliance, such as at Podium ramp access not having edge protection. c. Connections to accessible entries at campus buildings were indicated. Further coordination with HHA and SUNY Albany is ongoing. d. Signage issues were documented. e. Bus paths are being investigated for ADA compliance. MJ noted that there are (3) outlying bus stops which they do not expect a person with disability to use due to their distance from the Campus. The focus of the study is on the accessible bus stops within reasonable distance for a person with a disability. f. Although the interior of the Football Stadium is not part of the project MJ informed meeting attendants that the accessible seating at the stadium is not ideally placed. SUNY Albany will look at the seating. g. The survey findings will be documented into a format similar to HHA's non-compliance plans with associated code references.	

05	**Questions from Project Team for SUNY Albany:** a. At the 7/22/16 meeting MJ and HHA requested feedback on the scope of work at the Freedom apartments. An investigation of site accessibility at this location was included in the project scope, however both MJ and HHA indicated that there are no accessible entry doors to which an accessible route leads. SUNY Albany will investigate and provide feedback. **Post-Meeting Note**: Feedback from SUNY Albany was provided on 9/16/16 via email indicating the accessible units at Freedom Quad. MJ will evaluate the accessible path to these units from the closest accessible parking spaces. b. MJ/HHA requested feedback on Empire Commons and the (4) main Quads as to which door the site accessible path should extend. SUNY Albany will provide feedback. c. At the 7/22/16 progress meeting HHA requested feedback on the future connection to the Former Albany High School, currently being renovated at the Downtown Campus. SUNY Albany will provide HHA with information on locations of accessible entrances in order for the project team to look at tie-in areas. The School has previously expressed interest in maintaining the "Main Street" first floor connection between all buildings on the Downtown campus **Post-Meeting note**: A schematic plan was provided by SUNY Albany on 9/16/16 indicating a possible connection at the first floor of Milne, through a potential universal toilet renovation. d. HHA requested CAD files for the new Campus Center Extension in order to include the additions and renovated space in their relationship to the larger campus study. If CAD files are not available HHA will draft the new work based on the provided PDF files. e. The Tunnel relationship to the Lecture Center was discussed. HHA requested clarification as to whether the corridors to which the lower level of the Lecture Halls lead is included in the project scope. It was noted that during the course of the fieldwork it appeared to the survey team that these corridors were not part of the non-public Tunnel area. SUNY Albany confirmed that these corridors can be treated as part of the public accessible path, independent of the Tunnels.	-
06	**Feedback from SUNY Albany:** a. SUNY requested an Uptown campus accessibility plan from HHA similar to the plans provided for the Downtown Campus. The plans include an overall floor plan for the campus, indicating the accessible route through the buildings and highlighting key problem areas. The campus plan indicated above (Item 2.c.) will be developed to this level to indicate ADA issues and paths through the buildings at the Uptown buildings. b. The subject of public ADA parking was addressed. It was confirmed that the Campus designates certain areas for public parking with accessible spaces, but that the larger part of the parking is permitted, including ADA parking. The intent for parking is that parking requirements be universal for all staff/students in that they will require permits whether or not they present with a disability; both accessible and non-accessible parking spaces will require permits for students/staff.	-

	c. SUNY Albany requested that the documents be provided to them via the SUNY FTP site in lieu of sending a link to files. Also, the files should be uploaded as CAD files if possible. d. SUNY Albany inquired about the possibility of having a 3-dimensional presentation of the vertical circulation as it relates to the Study. SUNY will provide an example to the project team that has been successfully used before. e. It was requested by SUNY Albany that the project team provide a general list of ADA noncompliance issues based on the fieldwork. HHA will provide a memo identifying the project team's initial findings. A more comprehensive list will be addressed in the project report once a full evaluation of the fieldwork has been complete.	
07	**Schedule:** a. The schedule was discussed. The project team is about 90% complete with the survey and has been concurrently documenting results of the fieldwork. b. The next phase of the work will be to begin the analysis of the fieldwork gathered, verifying items as needed through additional site visits. c. The project team anticipates submitting the report draft to SUCF in December.	

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Meeting Minutes

November 14, 2016

MEETING DATA

		PROJECT
Meeting No: 5		**SUNY Albany**
Purpose: Survey Progress Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 212		**SUCF Project No. 011014**
Date: October 28, 2016		HHA Project No. 16019
Start Time: 8:30 am	End Time: 10:30 am (est.)	Submitted by: HHA
Next Time: December 19, 2016, 9:00 am		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany (SUNY)	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany (SUNY)	518-813-8502	jbaumstein@albany.edu
N	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
Y	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
Y	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com
N	Errol Millington Director	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
N	Poulami Sen Graduate Student Intern	SUNY Albany (SUNY)	518-442-3456	psen@albany.edu

Item	Summary of Business	Responsibility
01	General statement of meeting purpose by HHA. The fieldwork for the project began in early June at the Downtown campus and continued through October at the Uptown Campus.	-
02	**HHA Summary of Progress:** An update was provided for the status of the project field work, an explanation of the documentation was provided, and preliminary thoughts about accessible path improvements were discussed. A. HHA summarized the work that has been done to date and presented plans that	-

	document the findings. The bulk of the survey work for the buildings was completed in September and the information gathered was formatted onto 'Noncompliance Plans'. HHA continued to review the fieldwork and update the plans, adding in key plans for building reference and non-compliant Exterior Stair information for the Podium. B. Also presented for discussion were Podium accessibility plans similar to the plans provided for the Downtown Campus. The plans include an overall 1st floor and Basement plan for the Podium building, and a sub-basement plan for the Lecture Center. The plans indicate the existing accessible route through the buildings, highlighting key problem areas. The accessible route up to the Podium by ramp and between buildings was indicated on MJ's plans; this information will likely be combined onto one Podium 1st floor plan. C. An initial 'Table of Contents' for the project report was presented. This will serve as a general outline for the flow of the report.	
04	**MJ Summary of Fieldwork Progress:** An update was provided for the status of the field work by MJ. The fieldwork is complete with the exception of routes in Empire Commons and parking/routes for the (6) designations at the Freedom Apartments. The field reports are 90% complete, and drawings are at 40% completion. The format has been modified to be consistent with the building non-compliance plans. A. The Podium survey and documentation were discussed. The approach to documenting issues with the site is by dividing the area into zones that can be keyed back to a full site plan. The zones are described in further detail by instance of non-compliance with supplemental reports. It was noted that cross-referencing will be utilized between the various scales of drawing. B. The Podium ramps were discussed along with HHA's stair plans. The plan is similar to the building plans in that non-compliant issues are keyed in and reference a legend listing the various issues. MJ noted that the ramps at the north end of the Podium are especially problematic, with the lack of edge protection. The ramp information will include the ramp as primary with sub-systems also included (such as railings, landings). C. The site documentation will also indicate potential hazard areas at the Podium, such as walkway unevenness, that will be keyed into the larger Podium plan.	
05	**Recommendations** A. Preliminary ideas for accessible path improvements were presented for both campuses. While in some cases they may not necessarily be feasible, they were provided to begin discussions for the next phase of the project. 1. <u>Downtown</u>: An elevator was recommended for the Hawley Building as a solution to vertical circulation between the floors and also to provide a direct accessible route from the parking lot into the building; currently there is a very indirect route into the building. The location presented was the northeast corner. An elevator at this location would provide access to the building at the first floor, and subsequently to the basement floors and mezzanine. The upper basement computer lab and electrical room would be affected by this location. The northwest corner was also discussed but HHA stated that this location would not provide direct access from the parking lot.	

	2. Downtown: Basement level path improvements were suggested between Husted and Richardson with a possible ramp to address the elevation change, and between Richardson and Page with a modification to the existing gymnasium. These changes, together with the Hawley elevator addition would allow a continuous path at the basement level between Hawley and Milne halls. 3. Downtown: Also discussed for the Downtown campus was a possible improvement at the first floor "Main Street" level between Page and Milne. Currently the route passes through a stairwell in Milne where a door clearance is not compliant. This clearance issue is acceptable since a hold open is currently in place. The proposed solution was to re-route the path just north of the stairwell into existing Room 120, but it was felt that this would not be possible due to the current use of the space. 4. Downtown: The future Milne to Schuyler connection will be accounted for in the project recommendations. 5. Uptown: The main recommendation discussed for the Uptown Campus at this stage is the need for direct circulation from the Podium 1st floor level to the Lecture Halls at the Sub-basement level. Using the provided Podium plans the location of all existing elevators were highlighted, as well as where they would fall if extended up to the 1st floor, or down to the Sub-basement; the existing elevator between the Podium Basement and Sub-basement near the Library would not be ideally located if extended to the Podium 1st floor. HHA proposed the option of constructing a new elevator at the Podium 1st floor at a corner of one of the existing academic buildings: Fine Arts, Arts and Sciences, Physics, or Education. Incorporating a new elevator in one or more of these locations would provide a convenient, direct path between the Podium floors and the Lecture Center. However, at the Sub-basement the elevator would occupy a portion of the existing Tunnel. SUNY expressed concern that this location would impact the existing ducting/piping already in place. The option of pushing the proposed elevator out the path of the Tunnel was discussed. Another potential option discussed was accommodating a 'pedestrian right-of-way' at the Tunnel at one or more key locations to allow access from an existing elevator, such as from the Campus Center, to the Lecture Center, across the Tunnel. 6. Site: While MJ can begin to provide solutions for non-compliant issues, such as signage and ramp problems, the accessible route through the site will be dependent upon recommendations for accessible path improvements on the interior of the buildings.	
06	**Feedback from SUNY Albany:** A. The Project Team will require feedback from SUNY for the following items: a. Downtown – To confirm the use of the northeast corner of Hawley for future elevator construction. Currently there is an electrical room at the basement level. Also, SUNY will verify that the computer lab at the upper basement level can be relocated; this space can potentially be used for circulation to and from the	-

	elevator. b. Downtown – SUNY will provide information regarding the Page Basement study which may tie into HHA's recommendations for the basement level route. **Post-Meeting Note**: Feedback from SUNY Albany was provided on 10/28/16 via email that the Page Study project has been uploaded to the SUNY FTP site. c. Uptown – SUNY will provide feedback on the possibility of providing pedestrian right-of-ways per section A.5 above. d. Uptown – Feedback from SUNY will also be provided on the option of pushing the proposed elevator out the path of the Tunnel, per section A.5 above. As noted, the elevator would provide easily accessible, direct circulation between the Podium levels. B. It was discussed that during the next phase the project team will further evaluate the survey findings and provide an assessment of how non-compliant issues can be remedied, prioritizing the work and including an order of magnitude cost at a 60% level. The recommendations will address how the non-compliant issues can be bundled or organized into distinct project packages, in conjunction with input from an estimator. This information will be included in the project report that will be issued to SUCF; a report draft will be started and provided at the next meeting. C. SUNY reiterated the problem of students and staff being trapped at the basement-level, south side vestibules of the Podium buildings. HHA noted that although some of the doors have auto-operators the interior doors in many cases have non-compliant hardware, impeding accessibility beyond the vestibules. These instances have been noted on the non-compliance plans and will be addressed in the project recommendations. D. Report Format – SUNY stressed that the drawing components for the report be readable. The project team will review the drawings to verify that they can be easily read scaled to an 11x17 sheet; larger versions of the scaled drawings will also be provided with the report.	
07	**Schedule and Next Steps:** A. Apart from a few areas noted above, the project team has completed the survey at the Downtown and Uptown campuses. The team will periodically return to the campuses to verify items as required. B. During the next phase of the work the project team will continue the analysis of the fieldwork gathered, and begin to put the information into report form. C. The project team will begin a report draft for review by SUCF and SUNY at the December meeting.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

Revised January 13, 2017

Hyman Hayes ASSOCIATES

MEETING DATA

PROJECT

Meeting No: 6		**SUNY Albany**
Purpose: Survey Progress Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 212		**SUCF Project No. 011014**
Date: December 19, 2016		HHA Project No. 16019
Start Time: 9:00 am	End Time: 10:45 am (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany (SUNY)	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany (SUNY)	518-813-8502	jbaumstein@albany.edu
N	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
Y	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
Y	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com
N	Errol Millington Director	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
Y	Poulami Sen Graduate Student Intern	SUNY Albany (SUNY)	518-442-3456	psen@albany.edu
Y	John Giarrusso Associate Vice President - Finance and Administration	SUNY Albany (SUNY)	518-956-8090	jgiarrusso@albany.edu
Y	Karl Kilts Director, Code Administration	SUNY Albany (SUNY)	518-442-3400	kkilts@albany.edu

Item	Summary of Business	Responsibility
01	Introductions and general statement of meeting purpose by HHA. The fieldwork for the project began in early June at the Downtown campus and continued through the Fall at the Uptown Campus.	-

02	**HHA Summary of Building Progress:** An update was provided for the status of the field work, an explanation of the documentation was provided, and the further development of the accessible path improvements were discussed. A. HHA summarized the work that has been done to date and presented plans that document the findings. The bulk of the survey work for the buildings was completed in September and the information gathered was formatted onto 'Noncompliance Plans'.	-
04	**MJ Summary of Site Progress:** An update was provided for the status of the field work by MJ. The fieldwork is complete. Drawings and Site Reports are complete with the exception of the Freedom Apartments, which is ongoing. A. The site plans are similar to the building plans in that non-compliant issues are keyed in and reference a legend listing the various issues. Areas are zoned in groups for documentation purposes.	
05	**Recommendations** A. Preliminary ideas for accessible path improvements were presented for both campuses at the 10/28/16 meeting and expanded upon with drawings for review on 12/19/16. 1. Downtown: An elevator was *discussed* for Hawley as a solution to vertical circulation between the floors and also to provide a shorter accessible route from the parking lot into the building, via the existing exterior ramp. The location presented was the northwest corner. An elevator at this location would provide access to the building at the west façade adjacent to the existing entry stair. Due to the elevation differences between Draper and Hawley the proposed elevator will require multiple half floor stops. 2. Downtown: Basement level path improvements were indicated between Husted and Richardson with (3) possible ramp options to address the elevation change between the buildings. 3. Downtown: Together with a previous study conducted for a full renovation of Page Hall, HHA proposed providing a connection between Richardson and Milne, through Page Hall; access through Page would be provided through new openings at the main building walls, together with planned renovation work within Page. The proposal introduced an elevator included in the earlier study, providing vertical circulation between all floors. These changes, together with the Hawley elevator addition would allow a continuous path at the basement level between Hawley and Milne halls. 4. Uptown: The proposed work plans for Uptown focused on the need for direct, vertical circulation from the Podium 1st floor level to the Sub-basement level. (3) elevator options were presented for review, with advantages and disadvantages indicated for each. Options A and B included constructing a new elevator at the corner of the Arts & Sciences and Education buildings. Incorporating a new elevator at one of these locations would provide a convenient, direct path between the Podium plaza level and the Basement and Sub Basement.	

	Option C indicated an extension of the existing elevator that currently runs between the Lecture Center (LC) Basement and Sub Basement. The elevator would extend up to the main plaza area of the Podium. A sketch was provided to demonstrate what a possible elevator structure might look like on the plaza. It was noted that the University should keep Option C in mind for a direct vertical connection between floors, centrally located on the Podium, and that is utilizing an existing elevator path. As discussed, such an elevator could in the future be included as part of a larger project for another programmatic function on the Podium, such as an outdoor classroom meeting area. 5. Uptown: Also discussed was the option of accommodating a 'pedestrian right-of-way' at the Tunnel at a key location to allow access from the Campus Center to the Lecture Center. The location chosen was based on discussions from the 10/28/16 meeting along with plans and sections provided by the University. The location chosen would provide access through the Tunnel from the Campus Center Basement to the Basement of the Podium. The connection would require a ramp to account for the elevation change between the Tunnel and the Podium Basement level, utilizing approximately 9'-0" of the Tunnel, leaving roughly 10'-0" for Podium traffic. 6. Site: MJ has begun to provide solutions for non-compliant issues, such as signage and ramp problems. Site elements were reviewed including slope, joints, and issues with signage. It was noted that the existing accessible parking spot behind Husted Hall at the Downtown campus should be converted to permit parking since it does not function as an accessible spot; this spot is currently designated for a member of the staff that requires parking within close proximity to the Engineering offices. In general the accessible route through the site will be dependent upon recommendations for accessible path improvements on the interior of the buildings, and at building entries. HHA and MJ will coordinate.	
06	**Report** An initial draft of the project report was distributed and discussed. The organization of the draft is based upon the outline presented at the 10/28/16 meeting. The introduction discusses the project goals in general, as well as background on ADA, Title II and the general obligations of the University with regard to the remediation of noncompliant elements. *While the report will identify instances of noncompliance found and provide recommendations for remediation under ideal circumstances, it will recognize that there are provisions afforded to state entities by the Department of Justice exempting work that will pose an undue financial or logistical burden, provided that the institution accounts for equal services in other ways, such as through policy, administrative, and/or scheduling changes.* Included in the report are a summary of existing conditions for both the site and building surveys for the Uptown and Downtown campuses. The summaries reference the noncompliance plans and site reports. Preliminary cost information has also been provided in the draft. The project team will continue work on the draft to address recommendations for remediation, prioritizing the work according to what is required per the ADAAG (Americans with Disabilities Act Accessibility Guidelines), and concerns expressed by advocacy groups at the 4/29/16 meeting.	

07	**Cost Estimates** The cost estimating consultant, VJ Associates, provided a draft estimate for the project, based on cost per unit. The estimate Is consistent with the approved approach outlined in project memo, dated 12-1-16. VJ will provide an order of magnitude cost for work to address projects of varying scales.	
08	**Feedback from SUNY Albany:** A. SUNY stressed the need for a prioritization of what the University is responsible for in addressing ADA noncompliance, per the ADAAG. It was noted that there may be policy changes that can be made to address instances of noncompliance, such as for signage. B. The University would like to focus remediation on big-ticket items that would offer the greatest payback, and address key accessibility issues in one project. It was felt that an elevator addition will provide greater accessibility to spaces than smaller projects. Projects that require incremental changes over time such as handrail and door hardware modifications will only address accessibility locally at specific locations. C. SUNY and HHA stated that Title II makes exceptions if remediation would present an undue burden to the University, or if it would alter the historic nature of a space. D. Feedback was requested from the project team to address the student/faculty concerns that accessibility at the Social Sciences Basement was obstructed due to the Shop. HHA responded that this is the case for people without disabilities as well as those with disabilities *and is not within the project scope*. E. The School approves of the approach to cost estimating with a cost/per unit breakdown but also requests the cost for remediation of ADA noncompliant items be presented for a typical Podium building, such as Humanities.	-
09	**Schedule and Next Steps:** A. The project team will periodically return to the campuses to verify items as required. B. The team will continue work on the report draft, including establishing priorities for the remediation based on ADAAG, and campus advocacy groups. C. While the report identifies noncompliant issues and ADAAG requirements, the University will need to determine when and where they are to be addressed. D. The project team will provide a further developed report draft for review by SUCF and SUNY. The project team will consult on the schedule and propose the next meeting date.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

March 28, 2017

MEETING DATA

PROJECT

Meeting No: 7		**SUNY Albany**
Purpose: Draft Review Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 125		**SUCF Project No. 011014**
Date: March 8, 2017		HHA Project No. 16019
Start Time: 4:00 pm	End Time: 5:30 pm (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
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Y	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
N	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
N	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com
Y	Errol Millington Director	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
N	Poulami Sen Graduate Student Intern	SUNY Albany (SUNY)	518-442-3456	psen@albany.edu
N	John Giarrusso Associate Vice President - Finance and Administration	SUNY Albany (SUNY)	518-956-8090	jgiarrusso@albany.edu
Y	Karl Kilts Director, Code Administration	SUNY Albany (SUNY)	518-442-3400	kkilts@albany.edu

Item	Summary of Business	Responsibility
01	**HHA Feedback on Report Draft Comments:** A. Project scope and ADA background provided by HHA.	
02	**SUNY Feedback on Report Draft:**	-

	A. SUNY requested that the report provide a balanced explanation of the project, identifying instances of noncompliance found and provide recommendations for remediation under ideal circumstances, while recognizing that there are provisions afforded to state entities by the Department of Justice exempting work that will pose an undue financial or logistical burden, provided the institution accounts for equal access to equal services in other ways, such as through policy, administrative, and/or scheduling changes. B. Report organization – a suggested report outline was provided by SUNY. The University would like to see the results of the survey presented, including the survey findings, the data analysis, prioritization or remediation, cost, prioritization of projects. C. Cost – The University would like to have cost information organized into $1,000,000 project packages of (10) projects. Projects should be organized in a way that would provide the greatest impact to the University.	
04	**Life safety:** HHA noted that it is not within the project scope to address life safety issues, except as they pertain to the ADAAG. It was noted that the Department of Justice's prioritization of required accessible features includes safe access to building functions by people with disabilities.	
05	**Stairs:** HHA requested feedback on item #26 relating to the stated requirement to modify handrails at existing stairs. The handrails may be included as a historically significant feature.	
06	**Signage:** The report will indicate that the University should look at sign standards going forward. The University will decide what communication will be provided on the signage.	
07	**Historic Registry:** SUNY stated that parts of the Uptown and Downtown campuses are listed for architectural significance on the Getty Heritage Report, and that this should be stated in the report.	
08	**Basement Level connection at Campus Center and Lecture Center:** SUNY does not require the inclusion of the "Pedestrian Way" between the Campus Center and the Lecture Center at the basement level. It was noted that this is a general campus improvement that may be part of another project in the future.	-
09	**Parking:** SUNY requested that MJ review the instances of noncompliance found at newer parking lots.	
10	**Site Graphic Deliverable:** The design team will provide the University with a graphic that indicates the recognized accessible route from parking area to the buildings.	
11	**Schedule and Next Steps:** A. The project team will revise the report draft to provide a more balanced approach to remediation of noncompliant issues on campus, and propose a date for the next draft submission.	

Meeting Minutes

July 11, 2017

MEETING DATA

PROJECT

Meeting No: 8		**SUNY Albany**
Purpose: Draft Review Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 212		**SUCF Project No. 011014**
Date: July 10, 2017		HHA Project No. 16019
Start Time: 2:00 pm	End Time: 3:00 pm (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
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Y	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Job Captain	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
N	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
N	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com
N	Errol Millington Director	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu

Item	Summary of Business	Responsibility
01	**Site Graphic Deliverable:** The purpose of the meeting was to review the University's goals for the Accessible Route Site Graphic. SUNY stated that they would like to have a graphic that clearly and simply shows the identified accessible route through the campuses. HHA will work with MJ to produce a graphic and will include it with the report submission. Uptown: There is concern that the site survey was missing areas needed for a complete accessible route at identified parts on the campus. Particularly noted was a missing connection between the Podium and the Athletic Center area. HHA noted that some areas were previously discussed as being excluded, such as routes along a public walk or street, or areas connecting to parking lots that do not include accessible spots. The project team will review and discuss with SUCF.	

	Downtown: SUNY requested that a route be indicated from where a bus commuter would access the Downtown campus and proceed to an ADA entrance. The bus stop in question is located on Washington Avenue, close to the parking lot at Hawley.	
02	**HHA Feedback on Report Draft Comments:** A. HHA provided a brief update on the status of the report work, per the SUNY Report Comments. An example of the building tally summaries that will be included, as well as a draft of the prioritization of the recommendations were provided. SUNY was amenable to the approach. The team will proceed with the draft updates, including looking at cost information previously discussed by conference call on 6/16/17 with HHA, SUNY, and SUCF.	
03	**Schedule and Next Steps:** A. The project team will continue work on the report and propose a date for the next draft submission.	

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Meeting Minutes

December 13, 2017

MEETING DATA

PROJECT

Meeting No: 9		**SUNY Albany**
Purpose: Draft Comments Review Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 103		**SUCF Project No. 011014**
Date: November 10, 2017		HHA Project No. 16019
Start Time: 1:00 pm	End Time: 3:00 pm (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
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N	Errol Millington Director of Campus Planning	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
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Item	Summary of Business	Responsibility
01	**General:** The meeting began with a general discussion between members of UAlbany Facilities and the UAlbany Disability Resource Center (DRC). The following was discussed: a. The DRC noted that, although there are instances of ADA noncompliance, UAlbany is considered to have one of the most accessible campuses. There is acknowledgement among meeting attendees that the School has been very proactive in addressing issues related to accessibility. b. It was also acknowledged that the University's entry door rework project will address issues that students have previously had with entering academic buildings. c. DRC noted that students have been able to access classrooms. d. Signage is generally acceptable according to the DRC, but information should be conveyed equally for sighted and vision-impaired people. The University is upgrading signage as part of new projects and will continue to address any issues in a reasonable manner.	
02	**Report Draft Comments:** The bulk of the meeting was devoted to discussing SUNY Albany's Review Comments for the 8/25/17 Report Draft submission. Comment responses will be formally provided. The discussion included the following: a. Verbiage will be added to acknowledge the significant efforts undertaken by the School to address and remediate accessibility concerns. Similarly, the report will highlight the exemptions granted by Title II for the remediation of issues involving a significant amount of resources, or that may affect adjacent spaces or historic character. This point will be thoroughly addressed in the report, and specifically in the recommended priorities sections. b. The report will add verbiage to address cold weather-related disabilities. c. The historic heritage section will be expanded upon to indicate that the NY State Historic Preservation Office (SHPO) plays a role in determining historic significance, in addition to the National Register indicated in the report. d. The use of the Uniform Symbol of Access was discussed. SUCF noted that the State's direction is to replace the old symbol with the new symbol when maintenance requires it. A project dedicated to updating the symbols is not required. e. Accessibility at the Lecture Center basement and subbasement levels were discussed with regard to ramps, elevators, and the Tunnel. HHA will clarify descriptions used in the relevant sections of the report, but it was reasserted that the Tunnel is not identified by the School as being a public route. f. UAlbany will provide information to the consultants regarding item #31 in the report, regarding Stuyvesant Tower. g. Comment #47 requested feedback on an option to remove the stair adjacent to the Elevator C proposed location. HHA indicated that this would have to be evaluated as part of a code review since it relates to egress. h. UAlbany will provide information to the consultants regarding item #50 in the report, regarding the School's signage policy for new work. i. Formatting and grammatical comments will be corrected.	
03	**Priority Rankings for ADA Noncompliance Remediation** a. HHA provided meeting attendees with a "Priorities Ranking" chart that is intended to address some of the priority-related review comments, and also organize the information in a manner that is clearer and easier to follow. b. The chart is based on the Title II priorities discussed on page 6 of the report; the report will make this basis clearer. c. HHA requests that SUCF and UAlbany review the chart and provide feedback. The intention is to replace the charts listed on pages 51-52 with one cohesive chart such as the one provided.	

04	**Cost Information:** a. UAlbany would like a review of the costs associated with some items, including the elevators and the Humanities Building; ACM costs should be included. b. SUCF requested that the cost breakdown for the project by VJ Associates be sent to SUCF for review.	
05	**Next Steps:** a. The consultant team will respond to the comments in the designated area of the comment form and forward the responses to SUCF and UAlbany. b. The report will be revised to address the general tone comments are other specific comments as noted. The date for the final draft submission will be provided once the team has submitted responses to the review comments.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

April 13, 2018

Hyman Hayes ASSOCIATES

MEETING DATA

PROJECT

Meeting No: 10		**SUNY Albany**
Purpose: Draft Comments Review Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 103		**SUCF Project No. 011014**
Date: March 9, 2018		HHA Project No. 16019
Start Time: 10:00 pm	End Time: 12:00 pm (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
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N	Jay Baumstein, Construction Manager	SUNY Albany (SUNY)	518-813-8502	jbaumstein@albany.edu
Y Call-In	Errol Millington Director of Campus Planning	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
N	John Giarrusso, Facilities Associate Vice President - Finance and Administration	SUNY Albany (SUNY)	518-956-8090	jgiarrusso@albany.edu
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Y	Brian Borton	Truarchs Online LLC (Truarchs)	518-785-5851	brian.borton@truarchs.com

Item	Summary of Business	Responsibility
01	**General:** The meeting was organized to review the IT portion of the project between members of UAlbany Facilities, IT, as well as HHA, Truarchs, and SUCF. The following was discussed: a. The goal for the IT portion is for the University to maintain a cohesive method of cataloging instances of ADA noncompliance, as noted in the project report, and update the catalog as remediation work is completed. b. Truarchs briefly reviewed a system that had previously been used at SUNY Buffalo, however it was noted that this system was created in 2004. Truarchs sought to clarify what systems the University currently utilizes to verify whether existing systems can be used in lieu of a new system being implemented. c. SUNY currently uses a data management system called 'AiM' (Asset and Inventory Management, by AssetWorks). It was noted that AiM can read scheduled CAD information. d. Truarchs asked whether SUNY or SUCF uses construction and punch list tracking software applications like Fieldwire or PlanGrid. Similar systems overlay information in PDF or CAD file formats; these allow users to track custom items, e.g. specific ADA codes, and tag the location. SUNY stated the level of granularity required to record and track the information was resource prohibitive. e. SUNY described current methods of tracking noncompliance, indicating the reporting of which is inconsistent, or not coordinated when maintenance performed addresses a noncompliance issue. SUNY suggested creating user defined fields (UDF) in AiM to specifically track ADA noncompliance issues. It was thought a method like this could work if implemented in advance of the survey or recording of survey information. f. SUNY discussed reporting requirements, and the need for focused reporting when appropriate. In addition to the AiM reporting components, SUNY uses a java-based data visualization and reporting solution called BIRT from eclipse. It was suggested that special reports could be developed in various formats for different groups as needed to demonstrate compliance, or to convey SUNY's corrective plan. Truarchs ability to assist with BIRT was discussed.	
02	**Next Steps:** a. After reviewing the options, as well as the recommendations from Truarchs, it was decided by the attendees that SUNY should explore AiM's capabilities in conjunction with the ADA compliance study and determine if it will suit their needs. b. SUNY will notify the consultant team if any additional work is required in order to populate the AiM database.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Meeting Minutes

April 13, 2018

Hyman Hayes ASSOCIATES

MEETING DATA

PROJECT

Meeting No: 11		**SUNY Albany**
Purpose: Final Draft Comments - Review Meeting		**State University Construction Fund**
Location: SUNY Albany SBA Conf Rm. 103		**SUCF Project No. 011014**
Date: March 27, 2018		HHA Project No. 16019
Start Time: 1:00 pm	End Time: 2:30 pm (est.)	Submitted by: HHA
Next Time: TBD		

Present	Name	Company	Telephone / Fax	Email
Y	Annette Barnes, Project Manager	State University Construction Fund (SUCF)	518-320-3246	Annette.barnes@suny.edu
Y	Dave Ono, Campus Project Manager	SUNY Albany (SUNY)	518- 442-3403	dono@albany.edu
Y	Jay Baumstein, Construction Manager	SUNY Albany (SUNY)	518-813-8502	jbaumstein@albany.edu
Y	Errol Millington Director of Campus Planning	SUNY Albany (SUNY)	518-442-3400	emillington@albany.edu
Y	John Giarrusso, Facilities Associate Vice President - Finance and Administration	SUNY Albany (SUNY)	518-956-8090	jgiarrusso@albany.edu
Y (GIS Portion)	Jessie Pellerin, UAlbany GIS	SUNY Albany (SUNY)	518-442-3400	jpellerin@albany.edu
N	Karl Kilts Director, Code Administration	SUNY Albany (SUNY)	518-442-3400	kkilts@albany.edu
Y	Carolyn Malloch UAlbany DRC	SUNY Albany	518-442-5490	cmalloch@albany.edu
Y	David Loucks, Principal	Hyman Hayes Associates (HHA)	518-452-3470	dloucks@hymanhayes.com
Y	Rabia Shinaishin, Project Manager	Hyman Hayes Associates (HHA)	518-452-3470	rshinaishin@hymanhayes.com
N	Shelby Moore Project Engineer	MJELS (MJ)	518-371-0799	smoore@mjels.com
N	Joel Bianchi Project Manager	MJELS (MJ)	518-371-0799	jbianchi@mjels.com

Item	Summary of Business	Responsibility
01	**GIS:** The meeting began with a brief discussion on the GIS portion of the project. The following was discussed: a. HHA distributed copies of MJs GIS drawing (printed from a provided PDF) b. SUNY will review and provide feedback on the drawing.	
02	**Final Report Draft Comments:** The meeting was largely devoted to a discussion of SUNY Albany's Review Comments for the 2/28/18 Final Report Draft submission. Comment responses will be formally provided. HHA noted that many of the comments are minor or straightforward, and do not require further discussion. Comments flagged for further discussion were discussed at the meeting. a. Some comments from SUNY's review related to verbiage that was unclear or had been modified from the earlier draft version. These will be edited as requested. b. Visual contrast at stair treads were discussed. The report will clarify that there is a recommendation noted in Section 504.4 of the ADAAG, versus a requirement. c. It was requested to have the Fine Arts elevator included in the discussion on elevator access to the Podium. HHA will make this change, but a note will be included regarding noncompliant elements along the route that should be addressed (door hardware/pull force, vertical clearance). d. Signage was discussed. HHA noted that, as stated in the report, ADA requires signage in braille and tactile letters for permanent rooms. SUNY noted that this is already their plan moving forward. e. SUCF noted that the Fund has already reviewed the cost information and found them to be acceptable. HHA noted that there may be a cost difference if some of the minor work is done by campus staff in lieu of being contacted out, such as for reinstalling walk-off mats. f. The "Recommended Project Packages" section will be relocated within the report to after the "Priorities" section. And cost information will be included with each package. g. Formatting and layout comments for the site drawings and tables will be addressed, as well as other edits and information requested in the comments. h. Photos were provided by MJ in their documentation, but due to the volume of information this specific information was not included in the actual report. Example photo sheets will be provided similar to the building photo pages. i. The consultant team will review the documentation on the Husted Hall ramp.	
05	**Next Steps:** a. The consultant team will respond to the comments in the designated area of the comment form and forward the responses to SUCF and UAlbany. b. The report will be revised to address the comments for the final submission. The date for the final submission will be provided once the team has fully reviewed and submitted responses to the review comments.	

If these meeting minutes are not complete, accurate, or in context, please notify Hyman Hayes Associates, LLC. of such discrepancy.

Appendix B

EXAMPLE ADA CHECKLIST - SITE

2010 ADA Standards

Project: SUNY Albany ADA Study Date: _____ City/State: Albany, NY

Adjacent Building:_____ Sheet ID #:_____

Ramp Notes:

1. Ramp rise is 30" max
2. Ramp landings at top and bottom, min 5' length of landing in direction of travel, 2% cross slope.
3. Ramp runs with rise greater than 6" must have handrail.
4. Handrails:
5. Confirm doorway maneuvering sheet for approach.

6. Handrails:
   - Required on ramps with a rise greater than 6"
   - shall be 12" min from outer edge of ramp or landing
   - <4" gap from floor to bottom of handrail
   - Not required on running slopes <5%
   - Provided on both sides of ramps
   - Top gripping surface 34" min, 38" max height
   - Min 1.5" clearance between wall and gripping surface
   - Handrail extensions must project 12" into landing

1533 Crescent Road
Clifton Park, NY 12065
Phone: 518.371.0799
Fax: 518.371.0822

ADA PARKING SPACE EVALUATION FORM

2010 ADA Standards

Project: SUNY Albany ADA Study Date: _____ City/State: Albany, NY

Adjacent Building: _____ Sheet ID #: _____

Type of Parking:

- ☐ Standard Space
- ☐ Van Space

Check List:

Total # of Parking Spaces in Lot	_____
# ADA Car Accessible	_____
# ADA Van Accessible	_____
Total # ADA Accessible	_____
Shortest Route to Bldg.	Y / N
Path behind parked cars	Y / N
Wheel Stops or Curb	Stops / Curb/ None
Vertical Obstructions (Y-Height)	Y / N

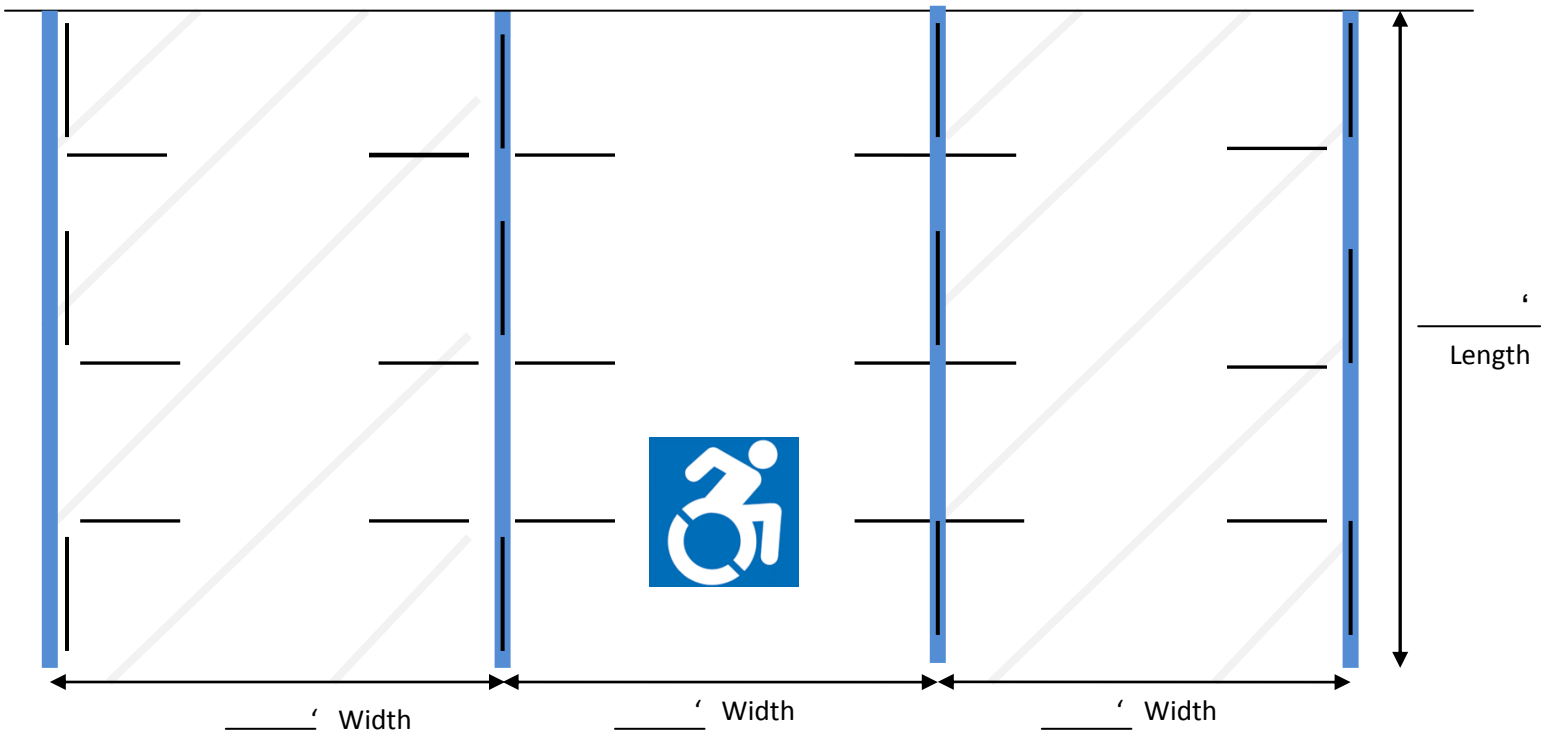
Vertical Signage

Accessible Parking Sign Provided	Y / N
VAN Sign Below	Y / N / NA
Sign Mounting	Wall / Post
Height above grade	_____ "
Penalty Fee Signage	Y / N / NA

Accessible Aisle:

Shared w/ another Space	Y / N
Passenger Side	Y / N / NA
Signed to Discourage Parking	Y / N
Runs full length of parking space	Y / N
Connects to an Accessible Route	Y / N

MEASUREMENTS:



Photos Taken Y / N Photo ID Numbers:_____

NOTES:_____

_____

_____

1533 Crescent Road
Clifton Park, NY 12065
Phone: 518.371.0799
Fax: 518.371.0822

ADA PARKING SPACE EVALUATION FORM

2010 ADA Standards

Project: SUNY Albany ADA Study Date: _____ City/State: Albany, NY

Adjacent Building: _____ Sheet ID #: _____

Type of Parking:

- ☐ Standard Space
- ☐ Van Space

Check List:

Total # of Parking Spaces in Lot	_____
# ADA Car Accessible	_____
# ADA Van Accessible	_____
Total # ADA Accessible	_____
Shortest Route to Bldg.	Y / N
Path behind parked cars	Y / N
Wheel Stops or Curb	Stops / Curb/ None
Vertical Obstructions (Y-Height)	Y / N

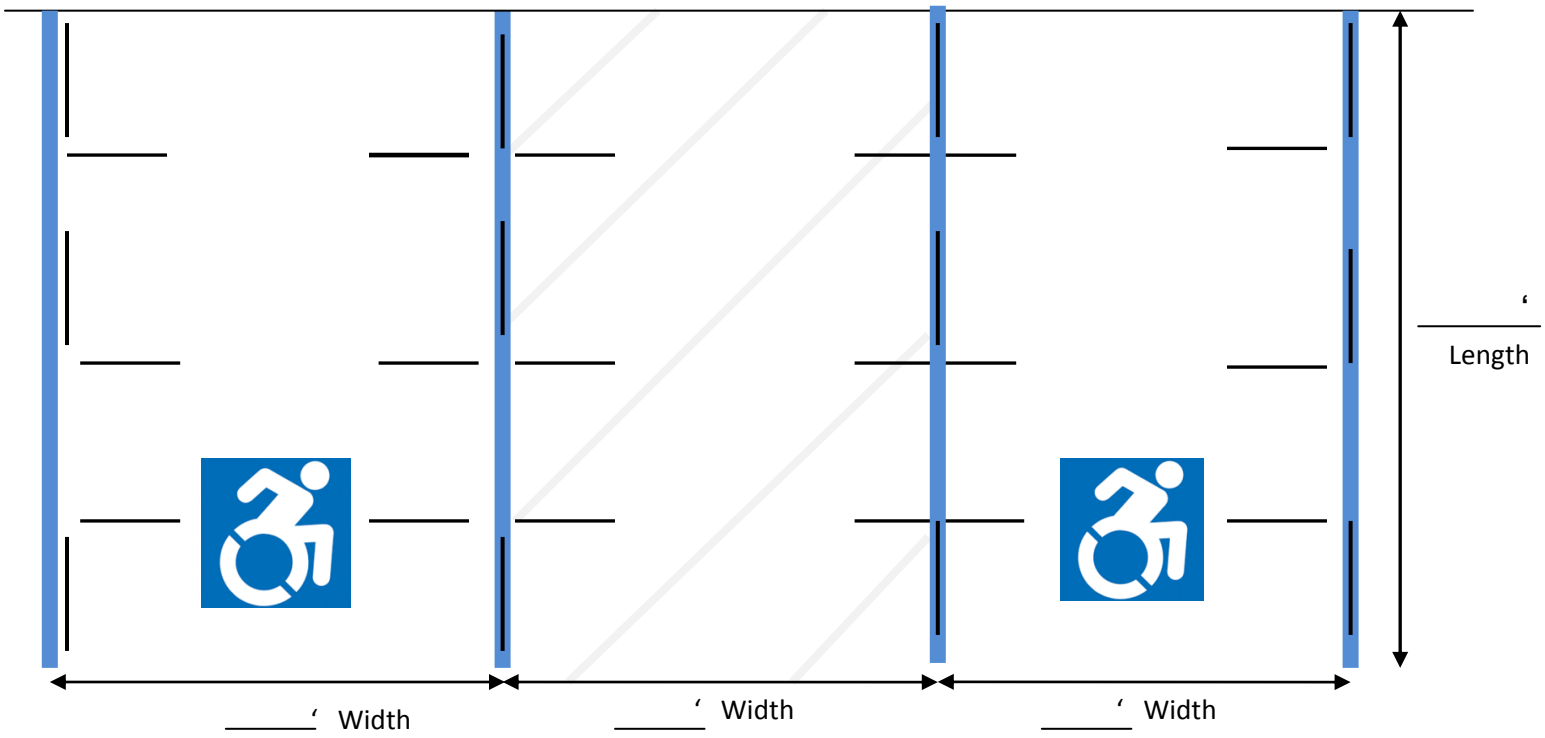
Vertical Signage

Accessible Parking Sign Provided	Y / N
VAN Sign Below	Y / N / NA
Sign Mounting	Wall / Post
Height above grade	_____ "
Penalty Fee Signage	Y / N / NA

Accessible Aisle:

Shared w/ another Space	Y / N
Passenger Side	Y / N / NA
Signed to Discourage Parking	Y / N
Runs full length of parking space	Y / N
Connects to an Accessible Route	Y / N

MEASUREMENTS:



Photos Taken Y / N Photo ID Numbers:_____

NOTES:_____

_____

_____

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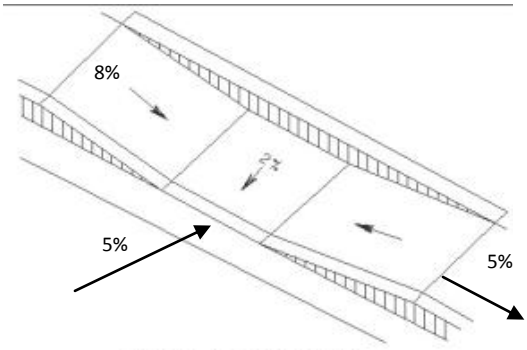
Clifton Park, NY 12065
Phone: 518.371.0799
Fax: 518.371.0822

ADA CURB RAMP EVALUATION FORM

2010 ADA Standards

Project: SUNY Albany ADA Study Date: _____ City/State: Albany, NY

Adjacent Building: _____ Sheet ID #: _____



PARALLEL CURB RAMP

Ramp Exceptions	
Slope	Rise
<12.5% X >10%	3" max
<10% X >8%	6" max

Check List:

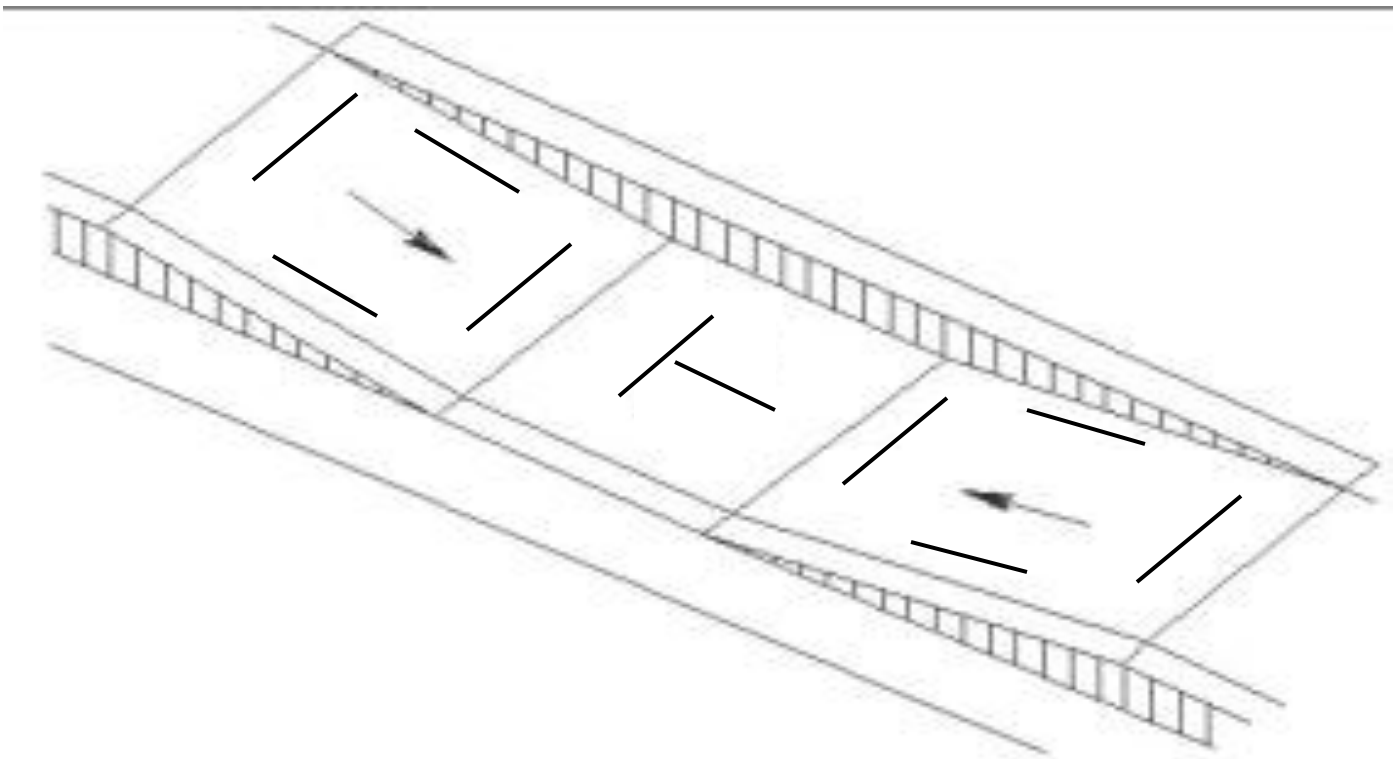
Does ramp project into Traffic	*Y / N*
Is ramp obstructed by Vehicle	*Y / N*
Ramp within Marked Crossing	*Y / N*

Surface Transition

Is transition compliant (no elevation change)	Y / N
Designed to Prevent Water Accumulation	Y / N
Joints / Crack Width (<1/2")	" W
Joints / Crack Depth (<1/4")	" D
Tactile Warning Surface installed	Y / N
Tactile Warning Installed correctly	Y / N

Landing

Landing Length (min 36") _____"



PARALLEL CURB RAMP

Photos Taken at this Location Y / N Photo #s: _____

NOTES: _____

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Fax: 518.371.0822

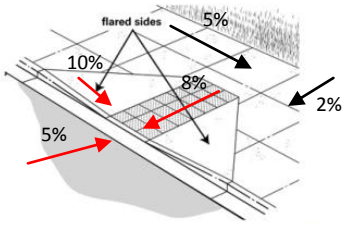
ADA CURB RAMP EVALUATION FORM

2010 ADA Standards

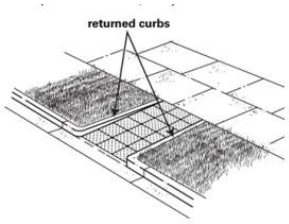
Project: SUNY Albany ADA Study Date: _____ City/State: Albany, NY

Adjacent Building: _____ Sheet ID #: _____

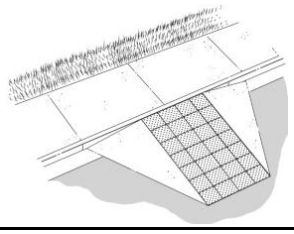
Select Type of Ramp (circle one)



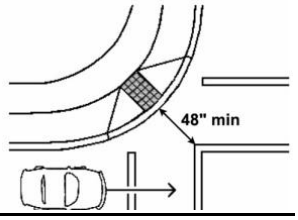
(A) Perpendicular



(B) Return Curb



(C) Built-Up



(D) Diagonal

Ramp Exceptions	
Slope	Rise
<12.5% X >10%	3" max
<10% X >8%	6" max

(F) Other: (Draw Ramp)

Check List:

Does ramp project into Traffic Y / N
Is ramp obstructed by Vehicle Y / N
Ramp within Marked Crossing Y / N

Return Ramps Only (B above):

Return Curb Parallel to Pedestrian Flow Y / N

Diagonal Ramps Only (D above):

48" Clear space at Bottom w/in marking _____ "
24" Straight Curb _____ "

Surface Transition

Is transition compliant (no elevation change) Y / N
Designed to Prevent Water Accumulation Y / N
Joints / Crack Width (<1/2") _____ " W
Joints / Crack Depth (<1/4") _____ " D
Tactile Warning Surface installed Y / N
Tactile Warning Installed correctly Y / N

Landing

Landing Length (min 36") _____ "

Photos Taken at this Location Y / N
Photo ID Numbers: _____

NOTES:

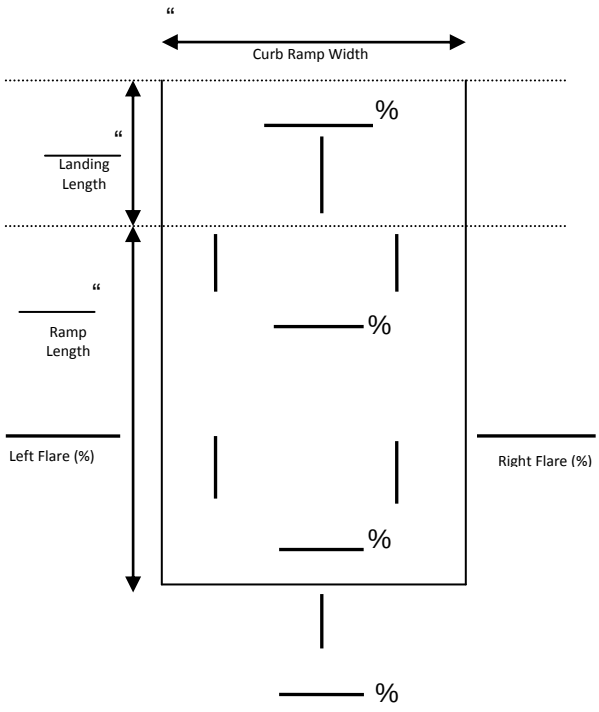
_____

_____

_____

_____

MEASUREMENTS



Appendix C

EXAMPLE ADA CHECKLIST - BUILDINGS

HHA Project: 16019 - SUCF

SUNY Albany – ADA Upgrade Checklist

2010 ADA and ANSI 117.1

Accessibility Reference: Entrances and Doors

Drawing Code	Reference		Requirement	Issue
D	402.2 404.2.3 404.2.6 404.2.5 (ANSI)	Clear Width Clearances at doors Doors in Series	At 90 degrees, 32" of clear space required. Double leaf require on door with 32" clearance. Maneuvering Clearance per 404 48" clear between doors in open position. (Provide turning space, see 304 ANSI)	Door less than 32" clear. Doors with less than 18" pull side, 12" push side (if no closer, then ok), approach clearances non-compliant. Doors in a series with less than 48" clear between doors in open position.
D.1	404.2.4	Threshold	Max rise. ¼" vertical, ½" if a threshold has a bevel.	Thresholds greater than ¼" or ½" with bevel.
D.2	404.2.8	Door Pull Force	Max. 5 lbs.	Doors requiring greater than 5 lbs. pull force.
D.3	404.3	Automatic and Power Assisted Doors	Operating hardware to meet height and ground clearance requirements.	Door hardware at operators not meeting clearance requirements.
D.4	404.2.6	Door Hardware	Can be operated with one hand. Does require tight grasping or twisting. Located between 34"-48"	Doors with doorknobs Doors requiring tight grasping (thumb latch, Key pad lock)
D.5	302.2	Mats or Carpets	Mat or carpet edges firmly secured.	Mats not secured, or not well-secured

HHA Project: 16019 - SUCF

SUNY Albany – ADA Upgrade Schedule

2010 ADA and ANSI 117.1

Accessibility Reference: Interior Access Route

Drawing Code	Reference		Requirement	Issue
A	305	System Controls (Switches, Alarms, etc.)	48" Above Floor (54" for Exist.)	Switches located above 54" (existing)
A.1	307	Protruding Objects	Protruding objects on circulation routes no more than 4". If more than 4" then: • Max. 27" from floor • Over 80" from floor	Instances of protruding objects greater than 4" off wall, if 27" above floor
A.2	307	Vertical Clearance	Vertical clearance under 80" protected by guards 27" high	Open under stair run.
A.3	403	Clear Width	Minimum of 36" with 60"x 60" passing space every 200' or min. 60" with no passing space required. Turn around an element – Less than 48", then 42" approach/leaving turn. If 60"x60", then 36" min.	Less than 60" at route, without a 'passing space' every 200' Where the *accessible* route makes a 180 degree turn around an *element* which is less than 48", clear width shall be 42" min approaching the turn, 48" min at the turn and 42" minimum leaving the turn. If 36", then 60"x60" turning area.
A.4	703	Signage	Rooms Identified with signage • Raised tactile characters • Braille identification	Signs without braille, or incomplete braille signage.

SUNY Albany – ADA Upgrade Schedule

2010 ADA and ANSI 117.1

Accessibility Reference: Vertical Circulation - Elevators

Drawing Code	Reference		Requirement	Issue
E	407	Elevators	Are passenger or LULA type elevators provided on accessible route?	No elevator access provided at floor
E.1	407.2.1	Clear Floor Area	Min. 30"X 48" (48" to approach side) Free from obstructions	Clear floor space does not comply with 30" x 48"
E.2	407.2.1 (407.4.6)	Call Controls (Cab Controls)	1. Raised or Flush (Exist. May be recessed) 2. Min. 15", Max. 48" (Exist. May be 54" to center of highest control) 3. Min. 3/4" in smallest dimension	Cab controls are recessed (allowed for existing, but to be noted)
	407.2.1	Hall Signals	1. Visible and audible signal at each hoistway entrance. (Not req'd for Existing) 2. Visual - Centered at 72" min. above floor and 2.5" min. height 3. Audible – Max. 1500 Hz.	No visible/audible signal, or mounted less than 72" above floor. Signal less than 2.5".
	407.4	Hoistway Signs	Floor designation signs on both jambs. Both Tactile characters (2") and braille indicator	Missing floor designations (min 2") and without braille.
E.3	407.3	Cab Doors	Min. 36" clear door width (42" with centered door) Provided with reopening device	Less than 36" clear door at side door. Less than 42" centered door.
	407.4	Cab Dimensions	1.Existing - Min. 16 SF (min. 54" deep) 2.Side Door – Min. 51"x 68" 3.Centered Door – Min. 51"x 80"	Existing cab less than 16 SF, with min 54" deep and 36" width.

HHA Project: 16019 - SUCF

SUNY Albany – ADA Upgrade Schedule

2010 ADA and ANSI 117.1

Accessibility Reference: Vertical Circulation – Ramps

Drawing Code	Reference		Requirement	Issue
R	405.2 405.6	Ramp Slope and height	Max. 1:12 slope with max. 30" rise. • 1:10 acceptable for max rise of 6" • 1:8 acceptable for max rise of 3" Any cross slope to be less than 1:48	Ramps with steeper than 1:12, steeper than 1:10 for 6" rise, or steeper than 1:8 for 3" rise
R.1	405.5	Ramp Width	Min. width to be 36", measured between handrails.	Less than 36" between handrails.
R.2	405.8 505	Handrails	Ramp with rise greater than 6" shall have handrails on both sides. Only one side at assembly areas. • Top of Rail - 34"-38" • Continuous Shape - Circular • 1 ¼"-2" Diam. Shape - Non-Circular 4"-6 ¼" Perimeter	No handrails on both sides at rise greater than 6" or at least one side in assembly areas Top of Rail not within 34-48" Not continuous , but ok at assembly for seating access Handrail perimeter not compliant.
R.4	405.9	Edge Protection	Curb or barrier less than 4" at base of ramp.	Bottom rail with 4" or greater space between rail and finished floor.
R.5	405.7 405.7.5	Landings Doorway at Landing	Ramp to have 60" long landing at top and bottom of ramp. Width to be at least as wide as ramp. Min. door clear floor space and landing clear floor space permitted to overlap	Less than 60" landing, or width less than width of ramp. Doorway clearance not met at landing - 60 pull side, 48" push side. (can overlap with landing required clearance)

HHA Project: 16019 - SUCF

SUNY Albany – ADA Upgrade Schedule

2010 ADA and ANSI 117.1

Accessibility Reference: Vertical Circulation – Stairs

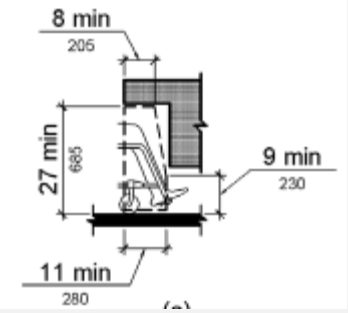
Drawing Code	Reference		Requirement	Issue
S	504.2	Stairs	Uniform Riser and Tread dimensions. • Riser 4”-7” • Tread min. 11” • No open risers	Riser not between 4”-7” Tread less than 11” Open risers
S.1	504.4 504.5 504.4 504.5	Tread and Nosing	Nosing protection to be max. 1 ½” Leading 2” of tread to have visual contrast	Nosing greater than 1 ½” No visual contrast/detectable strip at leading 2” of tread.
S.2	504.9	Identification	Provide tactile characters at each floor level landing adjacent to door. • Door to an exit shall be identified	No signage with floor level at each floor at door. No brail signage with floor level at each floor at door. Doors to exit not marked.
S.3	505	Handrails	Stairs shall have handrails. • Top of Rail - 34”-38” at leading edge • Continuous Shape - Circular • 1 ¼”-2” Diam. Shape - Non-Circular 4”-6 ¼” Perimeter	No handrails on both sides Top of Rail not within 34-48” Not continuous. No handrail extension – not required if alteration is hazardous Handrail perimeter not compliant.

HHA Project: 16019 - SUCF

SUNY Albany – ADA Upgrade Schedule

2010 ADA and ANSI 117.1

Accessibility Reference: Drinking Fountain

Drawing Code	Reference		Requirement	Issue
F	211.2 211.3 602.4 602.7	Number of fountains	No fewer than (2) fountains to be provided, with (1) complying with 602.1 to 602.6, and (1) complying with 602.7. Unless a double fountain is provided. Where more than minimum fountains are provided, 50% are to be accessible height, 50% are to be standing height. Accessible - Spout to be 36" max above finish floor. Standing - Shall be between 38" – 43" AFF	Less than (2) fountains provided per building complying with 36" max height, 38"-43" height each. Spout higher than 36" for accessible height fountain. Spout not within 38"-43" for standing height fountain.
F.1	602.2 305.3 306.2.4 306.3.5	Clear Floor space	Clearance shall comply with 305 and 306: Floor clearance - 30" x 48" Toe clearance – 9" from finish floor to underside of unit, 6" max beyond knee space. Knee clearance - 27" to 8" deep, 9" to 11" deep  	Clear floor area not provided for accessible height fountain. Toe clearance not provided for accessible height fountain. Knee clearance not provided for accessible height fountain.
F.2	602.5	Spout Location	15" min. from wall to spout, 5" from front edge of unit	Spout less than 15" from wall or greater than 5" from front of unit for accessible height fountain.

Appendix D

SITE REFERENCE TABLES

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

COLLINS CIRCLE						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P10-1			**1**			
P10-2			**1**			
P10-3			**1**			
P10-4						
P5-1			**1**			
P5-2			**1**			
P5-3			**1**			
P5-4			**1**			
TOTALS	**0**	**0**	**7**	**0**	**0**	**0**

COLONIAL QUAD						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P11-1	**1**		**1**			
P11-2	**1**					
P11-3			**1**			
P11-4			**1**		**1**	
P11-5			**1**			
TOTALS	**2**	**0**	**4**	**0**	**1**	**0**

DUTCH QUAD						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
NONE PRESENT						

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

INDIAN QUAD						
Space ID	Parking Spaces	Access Aisle	Slopes / Surfaces	Vertical Heights	Signage	Vehicle Obstructions
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P27-1			1			
P27-2			1			
P27-3			1			
P28-1						
P28-2						
P28-3			1			
P29-1		1	1		1	
TOTALS	**0**	**1**	**5**	**0**	**1**	**0**

STATE QUAD						
Space ID	Parking Spaces	Access Aisle	Slopes / Surfaces	Vertical Heights	Signage	Vehicle Obstructions
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P1-1		1	1			
P1-2						
P1-3						
P1-4		1	1			
P1-5			1			
P1-6			1			
P2-1			1		1	
P2-2			1			
P2-3			1			
P2-4			1			
P4-1		1				
P4-2		1	1			
P4-3						
P4-4		1				
P4-5		1	1			
P4-6			1			
TOTALS	**0**	**6**	**11**	**0**	**1**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

UNIVERSITY PLACE						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P22-1		**1**	**1**			
P22-2			**1**			
P22-3		**1**	**1**		**1**	
P22-4		**1**	**1**			
P22-5			**1**			
P22-6		**1**	**1**			
P22-7						
P22-8		**1**				
P23-1						
P23-2			**1**			
P23-3			**1**			
P23-4			**1**			
P23-5		**1**	**1**			
TOTALS	**0**	**6**	**10**	**0**	**1**	**0**

SERVICES BUILDING						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P24-1			**1**			
P24-2						
P26-1		**1**	**1**			
TOTALS	**0**	**1**	**2**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

SCULPTURE STUDIO						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P31-1		**1**	**1**		**1**	
TOTALS	**0**	**1**	**1**	**0**	**1**	**0**

POLICE DEPT						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P32-1		**1**	**1**		**1**	
P32-2			**1**		**1**	
TOTALS	**0**	**1**	**2**	**0**	**2**	**0**

LIFE SCIENCES						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P16-1		**1**	**1**		**1**	
P17-1		**1**				
TOTALS	**0**	**2**	**1**	**0**	**1**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

LIBERTY TERRECE						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P40-1						
P40-2						
P40-3						
P40-4						
P40-5						
P40-6						
P40-7						
P40-8						
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**

FREEDOM APARTMENTS						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P41-1		**1**	**1**		**1**	
P41-2		**1**	**1**			
P41-3		**1**	**1**		**1**	
P41-4		**1**	**1**			
P41-5					**1**	
P41-6		**1**				
P41-7		**1**				
TOTALS	**0**	**6**	**4**	**0**	**3**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

PE PLAYING FIELDS						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P25-1			**1**			
P25-2			**1**			
P25-3			**1**			
P25-4			**1**			
P25-5			**1**			
P25-6			**1**			
P25-7			**1**			
P30-1						
P30-2						
P30-3						
P30-4						
P30-5			**1**			
P30-6			**1**			
P30-7			**1**			
P34-1						**1**
P34-2						**1**
P34-3						**1**
P34-4						**1**
P34-5						**1**
P34-6						**1**
P34-7						**1**
P34-8			**1**			**1**
TOTALS	**0**	**0**	**11**	**0**	**0**	**8**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

EMPIRE COMMONS						
Space ID	**Parking Spaces**	**Access Aisle**	**Slopes / Surfaces**	**Vertical Heights**	**Signage**	**Vehicle Obstructions**
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P35-1		**1**				
P35-2			**1**			
P35-3		**1**				
P35-4		**1**				
P35-5						
P35-6		**1**				
P35-7		**1**				
P36-1		**1**				
P36-2						
P36-3		**1**				
P36-4						
P37-1		**1**			**1**	
P37-2						
P37-3		**1**				
P37-4						
P37-5		**1**				
P37-6		**1**				
P37-7						
P37-8		**1**				
P38-1		**1**			**1**	
P38-2						
P38-3		**1**				
P38-4						
P39-1		**1**	**1**			
P39-2			**1**			
P39-3		**1**	**1**		**1**	
P39-4			**1**		**1**	
TOTALS	**0**	**16**	**5**	**0**	**4**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

PODIUM						
Space ID	Parking Spaces	Access Aisle	Slopes / Surfaces	Vertical Heights	Signage	Vehicle Obstructions
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P3-1			1			
P3-2			1			
P3-3			1			
P6-1					1	
P6-2		1			1	
P6-3					1	
P7-1			1			
P7-2						
P8-1						
P8-2			1			
P8-3			1			
P8-4			1			
P8-5			1			
P8-6	1					
P9-1		1	1			
P12-1			1			
P12-2	1		1			
P12-3	1	1	1			
P12-4	1					
P12-5		1				
P12-6			1			
P12-7						
P12-8					1	
P13-1		1	1			
P13-2						
P13-3						
P14-1			1			
P14-2						
P14-3			1			

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

P14-4			1			
P14-5			1			
P14-6			1			
P15-1			1			
P15-2						
P18-1		1				
P18-2		1				
P19-1			1			
P19-2			1			
P19-3			1			
P19-4						
P19-5						
P19-6		1			1	
P19-7						
P19-8						
P19-9						
P20-1			1			
P20-2						
P20-3			1			
P20-4			1			
P20-5			1			
P21-1			1			
P21-2			1			
P21-3			1			
P21-4			1			
P21-5			1			
P21-6			1			
P21-7			1			
P21-8			1			
P21-9			1			
P21-10			1			
P21-11			1			
P21-12			1			
P21-13			1			

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - PARKING SPACES

P21-14			1			
P21-15			1			
TOTALS	**4**	**8**	**42**	**0**	**5**	**0**

GRAND TOTAL	**6**	**48**	**105**	**0**	**20**	**8**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

COLLINS CIRCLE					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
BS-S1		1	1		
CDTA-S1			1		
UH-S1		1	1		
UH-S2			1		
TOTALS	**0**	**2**	**4**	**0**	**0**

COLONIAL QUAD					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
CQ-S1	1	1			
TOTALS	**1**	**1**	**0**	**0**	**0**

DUTCH QUAD					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
DQ-S1	**1**	**1**			
DQ-S2	**1**		**1**		
TOTALS	**2**	**1**	**1**	**0**	**0**

INDIAN QUAD					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
IQ-S1	**1**				
IQ-S2	**1**	**1**			
IQ-S3					
TOTALS	**2**	**1**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

STATE QUAD					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
SQ-S1		1	1		
SQ-S2					
SQ-S3		1			
SQ-S4			1		
TOTALS	**0**	**2**	**2**	**0**	**0**

UNIVERSITY PLACE					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
UAB-S1			1		
MSC-S1			1	1	
TOTALS	**0**	**0**	**2**	**1**	**0**

SERVICES BUILDING					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
SBC-S1			1		
SBA-S1	1	1	1		
TOTALS	**1**	**1**	**2**	**0**	**0**

SCULPTURE STUDIO					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
SS-S1		1			
TOTALS	**0**	**1**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

POLICE DEPT					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
PD-S1		**1**	**1**		
TOTALS	**0**	**1**	**1**	**0**	**0**

PE PLAYING FIELDS					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
CS-S1			**1**		
PE-S1		**1**			
PE-S2		**1**			
PE-S3					
SEFCU-S1		**1**	**1**		
PE-R1		**1**			
TOTALS	**0**	**4**	**2**	**0**	**0**

LIFE SCIENCES					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
LS-S1		**1**	**1**		
TOTALS	**0**	**1**	**1**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

LIBERTY TERRECE					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
LT-S1					
LT-S2					
LT-S3			1		
LT-S4					
LT-S5	1		1		
LT-S6					
LT-S7			1		
TOTALS	**1**	**0**	**3**	**0**	**0**

EMPIRE COMMONS					
	Ground Surfaces	Change in Level	Slopes	Clear Width	Handrails
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
EC-S1					
EC-S2	1				
EC-S3	1				
EC-S4					
EC-S5			1		
EC-S6					
EC-S7					
EC-S8					
EC-S9					
EC-S10					
EC-S11					
EC-S12	1				
EC-S13					
EC-S14	1				
EC-S15					
TOTALS	**4**	**0**	**1**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

FREEDOM APARTMENTS					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
FA-C-S1	**1**	**1**	**1**		
FA-D-S2		**1**	**1**		
FA-A-S3	**1**	**1**	**1**		
FA-B-S4	**1**	**1**	**1**		
FA-BS-S5			**1**		
TOTALS	**3**	**4**	**5**	**0**	**0**

PODIUM LOWER					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
PODL-S1			**1**		
PODL-S2			**1**		
PODL-S4					
PODL-S5		**1**	**1**		
PODL-S6		**1**	**1**		
PODL-S7					
PODL-S8			**1**		
PODL-S9		**1**			
PODL-S10					
PODL-S11					
PODL-S12	**1**	**1**	**1**		
PODL-S13		**1**	**1**		
PODL-S14	**1**				
PMTS-S1		**1**	**1**		
TOTALS	**2**	**6**	**8**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

PODIUM UPPER					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
PODU-S1					
PODU-S2					
PODU-S4					
PODU-S6					
PODU-S7					
PODU-S8					
PODU-S9		**1**			
PODU-S10					
PODU-S11					
PODU-S12					
PODU-S13					
PODU-S14					
PODU-S15					
PODU-S16			**1**		
PODU-S17					
PODU-S18					
PODU-S19	**1**				
PODU-S20					
PODU-S21					
PODU-S22					
PODU-S23					
PODU-S24					
PODU-S25					
TOTALS	**1**	**1**	**1**	**0**	**0**

GRAND TOTAL	**17**	**26**	**33**	**1**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - RAMPS

COLLINS CIRCLE									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

COLONIAL QUAD									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
CQ-R1									**1**
CQ-R2									**1**
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**

DUTCH QUAD									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
DQ-R1									**1**
DQ-R2	**1**								**1**
TOTALS	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**

INDIAN QUAD									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
IQ-R1							**1**		**1**
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - RAMPS

STATE QUAD									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
SQ-R4		1				1			
SQ-R3									1
TOTALS	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**1**

UNIVERSITY PLACE									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

SERVICES BUILDING									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

SCULPTURE STUDIO									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - RAMPS

PE PLAYING FIELDS									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
PE-R1	**Determined to be a route (Slope <5%). Refer to Routes Table for evaluation**								

LIFE SCIENCES									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

LIBERTY TERRECE									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
LT-R4							**1**		**1**
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**

EMPIRE COMMONS									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - RAMPS

PODIUM									
Ramp ID	**Ground Surfaces**	**Running Slope**	**Cross Slope**	**Clear Width**	**Rise**	**Landings**	**Edge Protection**	**Wet Conditions**	**Handrails**
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
PODL-R7									**1**
U-R1		**1**					**1**		**1**
U-R2		**1**					**1**		**1**
U-R3							**1**		**1**
U-R4			**1**				**1**		**1**
U-R5		**1**					**1**		**1**
U-R6						**1**	**1**		**1**
U-R7		**1**	**1**			**1**	**1**		**1**
U-R8		**1**							**1**
U-R9		**1**							**1**
U-R10	**1**								
U-R11		**1**							**1**
U-R12	**1**	**1**							
PMTS-R1		**1**	**1**			**1**			**1**
TOTALS	**2**	**9**	**3**	**0**	**0**	**3**	**7**	**0**	**12**

GRAND TOTAL	**3**	**10**	**3**	**0**	**0**	**4**	**9**	**0**	**19**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

COLLINS CIRLCE										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
BS-CR1		1	1							
BS-CR2		1								
CDTA-CR1										
CDTA-CR2	1									
UH-CR1		1	1							
UH-CR2		1	1							
TOTALS	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

COLONIAL QUAD										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
NONE PRESENT										

DUTCH QUAD										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
NONE PRESENT										

INDIAN QUAD										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
IQ-CR2										
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

STATE QUAD

Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
SQ-CR2	1	1	1			1		1	1	1
TOTALS	**1**	**1**	**1**	**0**	**0**	**1**	**0**	**1**	**1**	**1**

UNIVERSITY PLACE

Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
UAB-CR1	1	1								
TOTALS	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SERVICES BUILDING

Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
SBA-CR1		1	1				1	1		
SBC-CR1		1				1				
SBC-CR2			1				1			
SBC-CR3		1	1				1			
TOTALS	**0**	**3**	**3**	**0**	**0**	**1**	**3**	**1**	**0**	**0**

SCULPTURE STUDIO

Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

NONE PRESENT

POLICE DEPT										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
PD-CR1		1				1	1	1		
TOTALS	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**0**

FREEDOM APARTMENTS										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
FA-CR1	1	1					1	1		
FA-CR2	1	1					1	1		
FA-CR3	1	1					1			
FA-CR4	1	1	1				1	1		
FA-CR5	1	1				1	1	1		
FA-CR6	1						1	1		
FA-CR7	1	1				1	1	1		
FA-CR8	1	1					1	1		
TOTALS	**8**	**7**	**1**	**0**	**0**	**2**	**8**	**7**	**0**	**0**

LIFE SCIENCES										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
LS-CR1	1	1					1			
TOTALS	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

PE PLAYING FIELDS										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
CS-CR1		1	1				1	1		
CS-CR2		1	1				1	1		
CS-CR3		1	1				1	1		
CS-CR4			1				1			
CS-CR5			1							
CS-CR6			1			1	1			
SEFCU-CR1		1					1			
TOTALS	**0**	**4**	**6**	**0**	**0**	**1**	**6**	**3**	**0**	**0**

LIBERTY TERRACE										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
LT-CR1										
LT-CR2			1							
LT-CR3										
TOTALS	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

EMPIRE COMMONS										
Ramp ID	**Ground Surfaces**	**Running Slope**	**Cross Slope**	**Clear Width**	**Wet Conditions**	**Counter Slopes**	**Flares**	**Landings**	**Location**	**Diagonal Curb Ramp**
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
EC-CR1										
EC-CR2	**1**									
EC-CR3	**1**									
EC-CR4										
EC-CR5			**1**							
EC-CR6			**1**							
EC-CR7			**1**							
EC-CR8										
EC-CR9										
EC-CR10										
EC-CR11										
EC-CR12										
EC-CR13										
TOTALS	**2**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

UPTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

PODIUM										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
PODL-CR1	**1**						**1**			**1**
PODL-CR2	**1**									
PODL-CR3	**1**									
PODL-CR4						**1**				
PODL-CR5	**1**					**1**				
PODL-CR6	**1**	**1**	**1**							
TOTALS	**5**	**1**	**1**	**0**	**0**	**2**	**1**	**0**	**0**	**1**

GRAND TOTAL	**19**	**21**	**17**	**0**	**0**	**8**	**20**	**13**	**1**	**2**

Notes: 1 = Accessibility Upgrade Required

DOWNTOWN CAMPUS
EVALUATION SUMMARY TABLES -PARKING SPACES

DOWNTOWN						
Space ID	Parking Spaces	Access Aisle	Slopes / Surfaces	Vertical Heights	Signage	Vehicle Obstructions
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P1-1			1			
P1-2			1			
P2-1		1	1		1	
P3-1		1				1
P3-2						1
P3-3						1
P3-4						1
P3-5			1			1
P3-6			1		1	1
TOTALS	**0**	**2**	**5**	**0**	**2**	**6**

ALUMNI QUAD						
Space ID	Parking Spaces	Access Aisle	Slopes / Surfaces	Vertical Heights	Signage	Vehicle Obstructions
	502.2	*502.3*	*502.4*	*502.5*	*502.6*	*502.7*
P1-1		1	1			
P1-2			1			
P2-1		1	1		1	
P2-2					1	
TOTALS	**0**	**2**	**3**	**0**	**2**	**0**

Notes: 1 = Accessibility Upgrade Required

DOWNTOWN CAMPUS
EVALUATION SUMMARY TABLES - ROUTES

DOWNTOWN					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
MH-S1	**1**	**1**	**1**		
RH-S1	**1**	**1**	**1**		
RH-S2					
HH-S1	**1**	**1**	**1**		
HL-S1	**1**		**1**		**1**
TOTALS	**4**	**3**	**4**	**0**	**1**

ALUMNI QUAD					
	Ground Surfaces	**Change in Level**	**Slopes**	**Clear Width**	**Handrails**
Route ID	*302*	*303*	*403.3*	*403.5*	*505*
SH-S1		**1**			
SH-S2		**1**			
BH-S1	**1**				
TOTALS	**1**	**2**	**0**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

DOWNTOWN CAMPUS
EVALUATION SUMMARY TABLES - RAMPS

DOWNTOWN									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
HH-R1		1							1
TOTALS	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

ALUMNI QUAD									
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Rise	Landings	Edge Protection	Wet Conditions	Handrails
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.6*	*405.7*	*405.9*	*405.10*	*505*
NONE PRESENT									

Notes: 1 = Accessibility Upgrade Required

DOWNTOWN CAMPUS
EVALUATION SUMMARY TABLES - CURB RAMPS

DOWNTOWN										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
RH-CR1	1						1	1		
TOTALS	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**

ALUMNI QUAD										
Ramp ID	Ground Surfaces	Running Slope	Cross Slope	Clear Width	Wet Conditions	Counter Slopes	Flares	Landings	Location	Diagonal Curb Ramp
	302 (405.4)	*405.2*	*405.3*	*405.5*	*405.10*	*406.2*	*406.3*	*406.4*	*406.5*	*406.6*
BH-CR1							1	1		
TOTALS	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**

Notes: 1 = Accessibility Upgrade Required

Appendix E

BUILDING TALLIES – ACCESSIBILITY UPGRADE ITEMS

Accessibilty Upgrade Item - Building Tally

Air Structure (Bubble)	**Total Number of Accessibility Upgrade Items:**		**13**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	3
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	2
D.2	404.2.8	DOOR PULL FORCE	3
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	5
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	0
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	0
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	0
S.3	505	HANDRAILS	0
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibility upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibility Upgrade Item - Building Tally

Biology Building	**Total Number of Accessibility Upgrade Items:**		**443**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	75
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	3
D.2	404.2.8	DOOR PULL FORCE	78
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	267
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	-
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibility upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibility Upgrade Item - Building Tally

Campus Center and Bookstore Extension	**Total Number of Accessibility Upgrade Items:**		**347**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	40
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	4
D.2	404.2.8	DOOR PULL FORCE	100
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	122
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	1
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	21
S.1	504.4	TREAD AND NOSING	11
	504.5		
S.2	504.9	IDENTIFICATION	27
S.3	505	HANDRAILS	21
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibility upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

*** This tally includes both the Campus Center (sheets UB3, UB3.1, UB3.2, UB3.3) and the Bookstore (sheet UB4).

Accessibility Upgrade Item - Building Tally

Chemistry Building	**Total Number of Accessibility Upgrade Items:**		**354**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	57
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	4
D.2	404.2.8	DOOR PULL FORCE	113
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	158
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	2
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibility upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibility Upgrade Item- Building Tally

Computing Center	**Total Number of Accessibility Upgrade Items:**		**42**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	4
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	15
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	23
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	0
S.3	505	HANDRAILS	0
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibility upgrade items per building.

** General Building Issues such as Signage (A.4) are not included in the tallies.

Accessibility Upgrade Item - Building Tally

Earth Science Building	**Total Number of Accessibility Upgrade Items:**		**325**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	45
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	8
D.2	404.2.8	DOOR PULL FORCE	92
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	162
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	6
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of Accessibility Upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibility Upgrade Items - Building Tally

Education Building	**Total Number of Accessibility Upgrade Items:**		**261**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	8
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	8
D.2	404.2.8	DOOR PULL FORCE	49
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	177
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	3
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	-
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates instances of Accessibility Upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Fine Arts Building	**Total Number of Accessibilty Upgrade Items:**		**224**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	23
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	8
D.2	404.2.8	DOOR PULL FORCE	77
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	108
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	-
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	4
S.3	505	HANDRAILS	4
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Humanities Building	**Total Number of Accessibilty Upgrade Items:**		**332**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	33
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	8
D.2	404.2.8	DOOR PULL FORCE	51
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	224
D.5	302.2	MATS OR CARPETS	-
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	-
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Lecture Center	**Total Number of Accessibilty Upgrade Items:**		**252**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	2
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	14
D.2	404.2.8	DOOR PULL FORCE	105
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	103
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	-
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	2
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	3
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	2
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	4
S.1	504.4	TREAD AND NOSING	2
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	7
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Library	**Total Number of Accessibilty Upgrade Items:**		**401**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	25
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	1
D.2	404.2.8	DOOR PULL FORCE	65
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	242
D.5	302.2	MATS OR CARPETS	-
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	8
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	16
S.1	504.4	TREAD AND NOSING	10
	504.5		
S.2	504.9	IDENTIFICATION	18
S.3	505	HANDRAILS	16
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	-
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Protruding Objects (A.1) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Linear Accelerator Lab	**Total Number of Accessibilty Upgrade Items:**		**22**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	2
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	0
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	16
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	1
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	1
	504.5		
S.2	504.9	IDENTIFICATION	0
S.3	505	HANDRAILS	2
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Performing Arts Center	**Total Number of Accessibilty Upgrade Items:**		**808**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	78
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	28
D.2	404.2.8	DOOR PULL FORCE	253
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	315
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	1
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	8
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	3
	405.6		
R.1	405.5	RAMP WIDTH	1
R.2	405.8	HANDRAILS	4
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	1
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	25
S.1	504.4	TREAD AND NOSING	25
	504.5		
S.2	504.9	IDENTIFICATION	35
S.3	505	HANDRAILS	31
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Protruding Objects (A.1) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade - Building Tally

Physical Education	**Total Number of Accessibilty Upgrade Items:**		**503**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	58
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	43
D.2	404.2.8	DOOR PULL FORCE	163
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	163
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	20
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	24
S.3	505	HANDRAILS	28
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Physics Building	**Total Number of Accessibilty Upgrade Items:**		**174**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	12
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	4
D.2	404.2.8	DOOR PULL FORCE	25
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	107
D.5	302.2	MATS OR CARPETS	4
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	2
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

SEFCU Arena	**Total Number of Accessibilty Upgrade Items:**		**138**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	0
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	3
D.2	404.2.8	DOOR PULL FORCE	90
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	18
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	3
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	8
	504.5		
S.2	504.9	IDENTIFICATION	8
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	-
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Social Sciences	**Total Number of Accessibilty Upgrade Items:**		**384**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	28
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	9
D.2	404.2.8	DOOR PULL FORCE	69
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	245
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	10
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	0
S.1	504.4	TREAD AND NOSING	0
	504.5		
S.2	504.9	IDENTIFICATION	10
S.3	505	HANDRAILS	9
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	-
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Draper Hall	**Total Number of Accessibilty Upgrade Items:**		**294**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	31
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	1
D.2	404.2.8	DOOR PULL FORCE	82
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	127
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	4
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	4
S.1	504.4	TREAD AND NOSING	1
	504.5		
S.2	504.9	IDENTIFICATION	20
S.3	505	HANDRAILS	24
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Hawley Building	**Total Number of Accessibilty Upgrade Items:**		**69**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	7
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	16
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	18
D.5	302.2	MATS OR CARPETS	0
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	3
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	0
S	504.2	STAIRS	7
S.1	504.4	TREAD AND NOSING	7
	504.5		
S.2	504.9	IDENTIFICATION	3
S.3	505	HANDRAILS	8
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Protruding Objects (A.1) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Milne Building	**Total Number of Accessibilty Upgrade Items:**		**167**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	16
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	16
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	93
D.5	302.2	MATS OR CARPETS	3
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	1
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	6
S.1	504.4	TREAD AND NOSING	9
	504.5		
S.2	504.9	IDENTIFICATION	12
S.3	505	HANDRAILS	7
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	1
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	3

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Drinking Fountains (F) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade - Building Tally

Page Hall	**Total Number of Accessibilty Upgrade Items:**		**136**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	12
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	16
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	37
D.5	302.2	MATS OR CARPETS	1
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	0
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	1
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	18
S.1	504.4	TREAD AND NOSING	12
	504.5		
S.2	504.9	IDENTIFICATION	19
S.3	505	HANDRAILS	20
F	211.2	NUMBER OF FOUNTAINS	0
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Protruding Objects (A.1) and Signage (A.4) are not included in the tallies.

Accessibilty Upgrade Item - Building Tally

Richardson Building	**Total Number of Accessibilty Upgrade Items:**		**134**
Drawing Code	Reference		Number*
D	402.2	CLEAR WIDTH	5
	404.2.3	CLEARANCES AT DOORS	
	404.2.6	DOORS IN SERIES	
	404.2.5 (ANSI)		
D.1	404.2.4	THRESHOLD	0
D.2	404.2.8	DOOR PULL FORCE	27
D.3	404.3	AUTOMATIC AND POWER ASSISTED DOORS	0
D.4	404.2.6	DOOR HARDWARE	69
D.5	302.2	MATS OR CARPETS	1
A	305	SYSTEM CONTROLS (SWITCHES, ALARMS ETC.)	0
A.1	307	PROTRUDING OBJECTS	-
A.2	307	VERTICAL CLEARANCE	-
A.3	403	CLEAR WIDTH	0
A.4	703	SIGNAGE	-
E	407	ELEVATORS	0
E.1	407.2.1	CLEAR FLOOR AREA	0
E.2	407.2.1	CALL CONTROLS	0
	407.4.6	CAB CONTROLS	
	407.2.1	HALL SIGNALS	
	407.4	HOISTWAY SIGNS	
E.3	407.3	CAB DOORS	0
	407.4	CAB DIMENSIONS	
R	405.2	RAMP SLOPE AND HEIGHT	0
	405.6		
R.1	405.5	RAMP WIDTH	0
R.2	405.8	HANDRAILS	0
	505		
R.4	405.9	EDGE PROTECTION	0
R.5	405.7	LANDINGS	0
	405.7.5	DOORWAY AT LANDING	
S	504.2	STAIRS	6
S.1	504.4	TREAD AND NOSING	8
	504.5		
S.2	504.9	IDENTIFICATION	9
S.3	505	HANDRAILS	9
F	211.2	NUMBER OF FOUNTAINS	-
	602.4		
	602.7		
F.1	602.2	CLEAR FLOOR SPACE	0
	305.3		
	306.2.4		
	306.3.5		
F.2	602.5	SPOUT LOCATION	0

* Indicates the instances of accessibilty upgrade items per building.

** General Building Issues such as Protruding Objects (A.1) and Signage (A.4) are not included in the tallies.