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EDUCATION:

Rensselaer Polytechnic Institute
Pittsburgh Building
Troy, New York

Class: Management of Technical Projects

University of Michigan
Ann Arbor, Michigan
Degree: BSME

Date of Graduation: December 18, 1994

Work Experience:

Amtrak
Engineering
1600 Market Street

September 6, 2011 to Present
Program Director ADA
Philadelphia, PA

- Developed ADA 5 year strategic plan and each fiscal year plan (beginning in September 2014)
- Manage and direct all aspects of the FRA/Amtrak annual federal grant of \$50,000,000.00/year (minimum) legislative requirement to make Amtrak stations accessible and compliant
- Manage and direct all aspects of the Amtrak/Joint Venture to implement the ADA Stations Program; 4 Amtrak and 44 contract FTE
- Developed Amtrak level boarding policy; worked internal and with external stakeholders (White House, DOT, FRA, FTA and the disability community) to develop the new Amtrak level boarding policy
- Worked with DOT/FRA on the level boarding issue in Michigan (NS line to be purchased by state of Michigan) and successfully negotiated a moveable platform edge extension as the mainstream level boarding solution for the NS line
- Work closely with federal funding and enforcing agencies to enhance accessibility
- Worked with Engineering to secure FY13 funding for the Gap elimination/mitigation project
- Developed the Gap elimination/mitigation technical documents, serve as responsible technical engineer for project
- Worked with Procurement to develop the RFP documents and utilize the Gap technical documents so this project could be put out for bid
- Developed accessibility presentations used for Civic Conversations and presented on Amtrak's new level boarding policy in NH and MN
- Developed presentations used for internal Amtrak staff on the new level boarding DOT rule and Amtrak's new level boarding policy
- Supported Engineering and Transportation on the development of the WAS Union station level boarding enhancement project and engineering studies
- Supported Legal department in the development of the updated Accessibility assessment tool (1991 code updated to 2006 code)
- Evaluate existing accessibility of station program, passenger rolling stock, training, website, apps, etc. and identify areas in need of improvement; identify areas non-compliant to the ADA and make recommendations for changes/updates, etc.
- Identify new policies and procedures needed to advance accessibility and compliance
- Support community efforts to advance accessibility and inclusion system-wide
- Work with host Rail Roads and third parties to define accessibility requirements
- Develop new technologies to enhance level boarding solutions throughout nationwide system
- Serve as staff ADA subject matter expert (SME) for all accessibility elements, stations, railcar, bus, service, communication technologies, etc.
- Work to define accessibility requirements for future revenue railcars; PRIAA 305, etc.
- Evaluate accessibility of existing revenue railcars and make recommendations for improvement
- Perform accessibility gap analysis on all assets impacted by accessibility
- Review and approve design/construction drawings and develop accessibility checklists for use in facility accessibility assessments, minimum accessibility requirements, etc.
- Perform complex legal interpretations of built environment, communication and transportation elements based on 1991 ADAAG, 1991 USDOT, 1991 USDOJ, 2004 ADAAG, 2006 USDOT, 2010 USDOJ
- Establish departmental goals, develop metrics and issue updates/reports on progress
- Help prepare updates on compliance progress to Congress, board of directors, internal/external stakeholders, etc.

MBTA

System-Wide Accessibility
10 Park Plaza, 5th Floor Room 5720

May 21, 2007 to September 2011
Assistant General Manager
Boston, MA 02116

- Create System-Wide Accessibility (SWA) department covering all fixed route modes of public transportation; fixed route bus, subway, light rail, commuter rail, commuter boat
- Develop job descriptions for all positions, develop organization structure and manage all activities
- Develop postings for all new positions, interview candidates and make selections
- Absorb existing fixed route reduced fare card offices from Operations and merge into newly formed SWA
- Establish initial budget request, yearly budget requests and manage all aspects of yearly budget; \$1.6m/year, 9 FTE, 7 FT temp, 16 PT temp
- Evaluate existing system-wide accessibility and identify areas in need of improvement ; areas non-compliant to the BCIL, ADA, etc., perform accessibility gap analysis
- Develop strategic plan based on gap analysis for system-wide improvement and sustainability
- Develop system-wide accessibility solution sets for all impacted departments and formulate project plans for implementation; Operations, Design and Construction, System Maintenance and Improvement, etc.
- Develop grant proposals for funding requests to implement BCIL settlement and bring system into ADA compliance; CIP, TIP, stimulus, FTA, etc.
- Modify/update existing union work rules to include specific requirements for customers/employees with disabilities (all departments impacted by settlement)
- Create new MBTA policies and procedures as necessary to ensure compliance to BCIL settlement, ADA and all applicable codes and laws
- Establish departmental goals, develop metrics and issue updates/reports on progress to goals
- Create SWA sign off policy to ensure compliance and improve overall service; impacts all departments and requires approval from SWA prior to procurement, implementation, design gate review, etc.
- Create new training modules for use by all settlement affected departments to ensure compliance and better meet the needs of customers with disabilities
- Develop metrics to internally gage both compliance and overall impact on service; develop internal monitoring program
- Develop SWA complaint investigation process and assist in the development of the MBTA discipline advisory committee
- Provide engineering and architectural support to all MBTA departments and other internal and external stakeholders
 - Perform plan reviews and provide redline drawings and written comments, technology reviews and development, site visits, develop punch lists, develop best practices, etc.
- Develop site survey forms used to evaluate existing accessibility and identify areas on non-compliance
- Provide feedback across disciplines to identify areas of concern and opportunities for improvement; architectural, operational, administrative, contract, labor, legal, or other functional areas
- Ensure accessibility compliance to all applicable codes/laws; ADA, DOT, FTA, FRA, IBC, NFPA and MAAB (state of Mass Accessibility code)
- Work with Automated Fare Collection (AFC) department to improve fare vending and fare gate equipment accessibility including tactile Braille, audio, reach ranges, clear space requirements, LEP, etc.
- Hold public meetings with court appointed monitor to update internal/external stakeholders and public on progress to date, areas of concern, opportunities for collaboration, etc.
- Develop presentations/reports/updates and provide to Secretary of Transportation, Board of Directors, General Manager, Executive staff, external stakeholders, public meetings, etc.
- Manage internal/external compliance monitor process mandated by the BCIL settlement agreement; implement all aspects of the BCIL settlement agreement, ensure compliance to all requirements found in the settlement agreement
- Support MBTA Real-estate department on land acquisitions, contract terms and conditions (lease agreements, etc.) on all projects that have impact accessibility; including third party site access agreements (elevator, path of travel, etc.)
- Create MBTA technical specifications for various functions/departments to ensure new policies and procedures are successful; elevator technical specification, public rights of way, temporary public rights of way (under construction and/or repair), commuter rail car, subway car, light rail car, commuter boat, etc.
- Develop new vehicle designs that enhance accessibility and ensure ADA compliance; rail cars, fixed route bus, commuter boat, etc.
- Establish SWA as “in house” subject matter experts on all accessibility topics; including facilities/stations, vehicle procurements, operations, customer interface, communications, training, HR, legal, Real-Estate, etc.

Disney Corporation
Ride and Show Engineering
Walt Disney World Resort

November 1, 2004 to May 16, 2007
Senior Project Engineer
Lake Buena Vista, FL 32820

- Develop Disney ride and attraction accessibility survey process
- Survey all four Florida parks for compliance with applicable laws and code requirements; title III ADA, state law, etc.
- Evaluate existing ride and attraction accessibility and identify areas for improvement (global effort)
- Evaluate new global “blue sky” projects for accessibility and make necessary improvements to enhance universal functionality (prior to production); rides, attractions, transportation, etc.
- Evaluate new ride, facility, transportation prototypes for accessibility and make necessary accessibility enhancements
- Use lessons learned to share with global ride, facility, transportation, etc. development teams
- Develop ride, facility, transportation, etc. accessibility solutions “pick-list” and formulate project plans for implementation
- Provide feedback on current accessibility legislation and pending legislation and identify opportunities to improve the accessibility offered to guests with disabilities
- Provide mainstream engineering support to Project Engineering, facility engineering and transportation among other stakeholders; project management using SAP
- Develop strategic plan to implement necessary accessibility enhancements (global effort)
- Review existing ships and floating stock and future planned ships and floating stock and develop strategy to improve current/future Disney boat and ship accessibility; including effective communications, path of travel, cabin accessibility, common areas, theaters/assembly areas, emergency evacuation, equivalent facilitation, etc.
- Serve as “in house” subject matter expert on all accessibility topics; expert witness on behalf of Disney
- Chief engineer on one of the largest transportation CAR’s (Capitol Authorization Request) companywide; Tram Barrier Project for both CA and FL theme parks
 - Develop design requirement specification for tram door (barrier) including development of the tram door for the accessible tram cars (CA only)
 - Develop check list, technical questions and evaluation process for approved bidders, guide the supplier (contractor) selection process and identify best candidate
 - Oversee all technical project elements; 30/60/90/100%, prototype and first article
 - Develop acceptance test requirements and perform all tests to ensure product meets or exceeds minimum requirements

U.S. Access Board
Architectural and Transportation Barriers Compliance Board
US Access Board
Washington, D.C.

March 2004 to December 2007 (1st term)
December 2007 to December 2011 (2nd term)
2nd Term extended to 12-2012
Presidential Appointee

- Develop national regulatory/accessibility guidelines and standards for the built environment, communication, transportation, recreation (theme parks, passenger vessels, fishing piers, etc.
- Voted in as Technical Programs Committee Chair (March 2006 and re-elected in March 2008)
 - Responsible for determining research projects funded; oversee \$400k yearly budget
 - Identify new areas of focus and necessary funding to support rulemaking process
- Member of the Access Board Executive Committee
 - Help shape the board structure; goals, priorities, focus issues, committee structure, etc.
 - Appointed to the Executive Director Evaluation Committee (2008)
- Appointed Chair of the Passenger Vessel Accessibility Guidelines Ad Hoc Committee (January 2005)
 - Responsible for guiding the completion of the passenger vessel accessibility guidelines
 - Determine direction for future rulemaking; large vessel versus smaller vessel, etc.
- Member transportation rules ad hoc committee; serve as transportation subject matter expert
- Promote accessibility throughout all segments of society
- Investigate and examine alternative approaches to the architectural, transportation, communication and attitudinal barriers confronting persons with disabilities
- Determine what measurers are being taken by Federal, State and local governments and by other public agencies to eliminate barriers encountered by persons with disabilities
- Provide technical input on rulemaking as subject matter expert and public board member
- Part time paid federal employee, 3-5 days every other month for official board meetings

GM - Vehicle System Engineer
Upfitter Integration – G van/GMT610
Warren, Michigan

November 2003 to November 2004
Research and Development
Tech Center - Engineering Group Manager

- Provide engineering liaison assistance to Special Vehicle Manufacturers (SVM), Recreational Vehicles, Mobility, etc
- Provide technical support in resolving upfitter issues, determine regulatory requirements for GM and Upfitter industry
- Provide input to Best Practices Manual – annual review of content and provide changes
- Determine opportunities to improve vehicle for upfitters and their customers

Mobility Engineering
GM Mobility Center
Warren, Michigan

April 1999 to November 2003
Research and Development
Tech Center – Engineering Group Manager

- Determine regulatory requirements for mobility equipment options (NHTSA, FMVSS, etc.) and communicate to appropriate vehicle programs
- Regulatory compliance responsibility for GM mobility engineering
- Define vehicle requirements for the senior population, people with disabilities, human factors, regulatory requirements, etc.
- Convert mobility requirements into vehicle technical specifications
- Identify vehicle/mobility equipment combinations that improve accessibility and flexibility
- Develop new mobility solutions – bubble-up, prototype, etc.
- Co-inventor on two patents, remote throttle and scooter securement system
- Integrate mobility equipment into vehicle lines, regular production accessories/options, etc.
- Develop quality system for Mobility Craftsman Upfitter program, manage GM/upfitter relationships
- Develop mobility show cars, define content and manage process
- Develop GM Mobility press kit, co-authored, define vehicle/equipment content, set-up vehicle photo shoot
- Develop gmmobility.com website, mobility advisor and upfitter database tools, transfer techniques, etc.
- Research seniors and people with disabilities demographic data, population size, income, etc.
- Develop UAW/GM Paragon Project, perform joint mobility clinics with seniors and people with disabilities
- Represent GM Mobility Marketing to the VDP (vehicle development process)
- Develop OnStar text based vehicle solution; TTY, 2.5mm in vehicle jack, etc.
- Develop draft charters, market segment specifications and vehicle technical specifications for mobility market
- Develop vehicle loan program for rehab centers, hospitals and mobility Upfitters
- Expert witness on behalf of General Motors Corporation

SAE – ADSC (Adaptive Devices Standards Committee)
Chairman

June 1999 to February 2009

- Develop standards, recommended practices and information reports for mobility adaptive devices
 - Wheelchair Securement, structurally altered vehicles, high tech driving systems, hand controls, etc.
- Identify new projects and develop plans for completion
 - Define agenda, organize/attend/participate in committee meetings
- Publish SAE information, recommended practices and standards documentation for adaptive devices
- Work with government agencies to promote the use of SAE ADSC standards and guidelines
- Committee member and Ad Hoc committee chair since 1996

GM Presidents Committee for Persons with disabilities

June 1995 to November 2004

- Co – Chair (June 1999) – committee name change to Affinity Group for Persons with Disabilities
- Offer input to GM on issues that impact PWD – Mobility Subject Matter Expert (SME)
- Organize/attend monthly meetings and conferences, identify areas of focus
- Define projects; assign sub-committees, report-out on solutions, etc.
- Define current regulatory requirements for emergency evacuation procedures for PWD and compare to corporate strategic plan, make recommendations for improvement
- Define current regulatory requirements for accessible parking and compare to GM facilities template, make recommendations for improvement – beyond ADA where necessary
- Determine floor covering, doors, floor transitions, common area regulatory requirements and develop best practices for compliance for building renovation and new building development
- Determine regulatory requirements for accessible transportation (shuttle bus, etc.) and develop accessible transportation strategy for GM Tech Center and determine compliance strategy for all GM facilities
- Determine regulatory requirements for OnStar interface for persons who are deaf and develop strategic plan for compliance

- Appointed Engler/Granholm gubernatorial transition team for employment issues of persons with disabilities
- Develop mentoring, co-op and intern programs for students with disabilities

Dynamometer Laboratory Supervisor

GMPT Willow Run Plant
Ypsilanti, Michigan

January 1997 to June 1999
GM Powertrain Labs

- Manage and supervise 3 shift – 7day/week operation of approximately 50 salaried/contract employees
- Lead project teams between lab, engineering and skilled trades, Institute GM Powertrain quality system
- Identify lab deficiencies, develop plans, prioritize projects and implement improvements
- Determine root cause for powertrain and/or facility failures

Advance Transmission Engineering - Development Engineer

GMPT Willow Run Plant

January 1995 to December 1996
Advanced Engineering – Transmissions

- Part failure analysis: determine root cause, define changes/updates and implement to improve product
- Lead build activities, order/track parts, supervise builds, interface with engine group on product issues
- Perform quality inspections; determine tolerance stack concerns, part quality, etc

National Certified Automotive Technician

Ann Arbor, Michigan
Independent Honda car Repair Facility

1981 to 1986
Gary's Honda Service

- Owned and operated, specialized in engine/transmission overhauls
- Diagnose/repair/replace: brakes, suspension, performance, exhaust, AC, etc.
- Chief cook and bottle washer – service manager, service writer, lead technician, accountant, parts manager, etc.

National Certified Automotive Technician

Northwest Auto
Northglenn, CO

May 1980 to October 1980
Honda Automobile Dealership

- Specialized in unit repair – engine/transmissions
- Additional areas of expertise: emissions, brakes, suspension, performance, exhaust, AC, etc.
- Emissions certified, adjust, repair, new vehicle certification

National Certified Automotive Technician

Howard Cooper Honda/VW
Ann Arbor, MI

1977 to 1980
Honda Automobile Dealership

- Specialized in unit repair – engine/transmissions
- Additional areas of expertise: emissions, brakes, suspension, performance, exhaust, AC, etc.
- Developed dealership repair facility layout, hoist locations, unit room, parts department, etc.
- Dealership liaison to Honda Automobile Corporation; warrantee work evaluations, etc.

**Legal
Experience:**

Bernstein Law Group
Class Action Lawsuit
Detroit Metro Airport
ADA Subject Matter Expert
2008 – Present

Mindell Law - Michigan
John Harris v Port Huron Charter Township
ADA Subject Matter Expert
2015

**Jason M. Turkish, Esq.
Nyman Turkish PC**
Michael Harris & Karla Hudson
Detroit Metro Airport – Bus Stop
ADA Subject Matter Expert
2014 - 2015

Bernstein Law Group
State of Michigan (defendant)
GM Building
Detroit, MI
2013

Geffen Law Group
Personal Injury Lawsuit
LACMTA
ADA Subject Matter Expert
2010 – Present

Disney Corporation
Personal Injury Liability
ADA Subject Matter Expert
October 2006

General Motors Corporation
Product Liability
ADA Subject Matter Expert
2002-2003

**Personal
Information:**

Ann Arbor Center for Independent Living (CIL) January 2003
Elected to Board of Directors
Four-Year Term

Knights of Columbus Council 8989 1999 to 2004
Elected officer – recorder

Governor Jeb Bush and Governor Charlie Crist December 6, 2006 (2 year Term)
Appointed Commissioner
Transportation Disadvantaged Commission State of Florida

Experienced in:

Word, Excel, Project, PowerPoint, Visio, Access and other office related tools

Regulatory

Subject Matter Expert; ADA, ABA, DOJ/DOT/FTA title II/III, FRA, various federal and state and local codes and laws

Personal Awards:

Summit on Diversity

Washington DC

2000 Corporate Fellow Award

National Business and Disability Council

New York, NY

2000 Employee of the Year (Silver Award)

General Motors Corporation

Detroit, MI

2002 daVinci Award Recipient (for GM Mobility Center and Mobility Engineering)

General Motors Corporation

Detroit, MI

2003 Star Award Recipient (for Affinity Group for Persons with disabilities)

The University of Michigan's Council for Disability Concerns

2008 Neubacher Award recipient

Personal References:

Ken Tregenza

Past Chair Affinity Group for People with Disabilities

Ken is also a disability-marketing subject matter expert

GM Human Resources - Retired

(248) 651-4587 (home)

Professor Bruce Karnopp

Department of Mechanical Engineering

University of Michigan

(734) 761-8443 (H)

James Borgerson

General Motors Corporation

Advanced Power Transfer

Willow Run Plant, GMPT

(734) 913-0835 (H)

Paul Ulrich

General Motors Corporation -retired

Manager Paragon Project

(248) 394-1119 (H)

Mike Blau

The Bernstein Law Firm

31100 Northwestern Highway

Farmington Hills, MI

800.588.7129

Note: Additional references upon request