



City of Seattle Boards & Commissions Notice of Appointment

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|--|----------------------------------|--|
| Appointee Name: <i>Sandro R. Pani</i> | | |
| Board/Commission Name: <i>Seattle Transit Advisory Board</i> | | Position Title: <i>Position No. 1</i> |
| <input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment | | Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Appointing Authority: <input checked="" type="checkbox"/> Council <input type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i> | | Term of Position: * 8/3/2020 to 8/2/2022 <input type="checkbox"/> <i>Serving remaining term of a vacant position</i> |
| Neighborhood: First Hill | Zip code: <i>98101</i> | Contact Phone No.: [REDACTED] |
| Background: Sandro is an experienced transit system engineer. He has worked on a broad range of projects in numerous cities. Sandro has worked on projects from early scoping and site selection through design and engineering along with construction mitigation planning. He prepared an asset risk register listing all infrastructure assets that are at risk to assist in prioritizing maintenance and capital funding for the Bay Area Rapid Transit (BART) system. | | |
| Authorizing Signature (original signature):  | | Appointing Signatory: <i>Councilmember Alex Pedersen</i> |
| Date Signed (appointed): December 18, 2020 | | |

*Term begin and end date is fixed and tied to the position and not appointment date.

SANDRO R. PANI

Areas of Expertise:

Program Management, Project Management, Railway Systems Engineering and Integration, Transit Design and Planning

Chronology

*Aug. 2019 - Current
Lead Engineer / WSP USA / Seattle, WA*

*Feb. 2018 - Aug. 2019
Lead Engineer / WSP USA / San Francisco, CA*

*July 2013 - Feb. 2018
Rail Systems Eng. / HNTB Corp. / San Francisco, CA*

*Sept. 2011 - June 2013
MSc. Post-graduate Student / University of Birmingham / Birmingham UK*

*June 2008 - Sept. 2011
Transportation Eng. / URS Corp. / Rocky Hill, CT*

Registrations/Certifications

Engineer-in-Training: MA, 2008 (22082)

Training

Post graduate course in railway engineering at the University of Hartford, CT.

Software

AutoCAD, MicroStation, Microsoft Office

Languages Spoken

English, Spanish

CAREER SUMMARY

Sandro Pani has ten years of experience in transit design, railway planning, project management and program management. He has completed a Master of Science degree in railway systems engineering and integration, which provides him with a broad background in all rail-related systems, including operations, infrastructure, signaling, and rolling-stock.

EDUCATION

M.S., Railway Systems Engineering and Integration, University of Birmingham, 2013 Birmingham, UK

B.S., Civil Engineering, Worcester Polytechnic Institute, Worcester, MA 2008

PROFESSIONAL EXPERIENCE

Pierce Transit Pacific Ave/SR7 Bus Rapid Transit (BRT) Project, Pierce County / Tacoma, WA (WSP) 2019-Current

Sandro is Utility Coordination Lead for final design services for the BRT project in the 14.4-mile Pacific Avenue/state Route 7 corridor. The Pierce Transit corridor-based bus rapid transit system will serve the Tacoma's Central Business District, Tacoma Dome Station, Parkland, and Spanaway. Sandro is responsible for leading communication with all public and private utilities impacted by the project, collecting utility facilities data, coordination utility relocation, and supporting application for required permits.

BART General Engineering Services (GES) Capital Asset Renewal Program Support, Oakland, CA (WSP) 2018-2019

Sandro was lead engineer for the on-call GES contract providing program management and technical support to BART's Maintenance and Engineering (M&E) Department. Sandro was responsible for delivering the monthly and quarterly M&E project review process, providing analysis and statistics of project status and performance for approximately 200 capital projects. Sandro led program management tasks including: M&E's annual project budget planning process and maintaining and improving state of good repair documents such as M&E's Asset Risk Register and unfunded Capital Needs Inventory.

California High-Speed Rail (CAHSR), San Francisco to Merced, CA (HNTB) 2016-2018

Sandro was systems design lead engineer on the San Francisco to Merced section of the CAHSR project. The 130-mile corridor is part of the larger 800-mile rail network throughout the state, that when completed will offer passenger rail services that will travel at speeds up to 220 mph connecting Northern and Southern California. Sandro is responsible for development of systems (ATC, communications, OCS, and traction power) preliminary design (30% level) in support of the environmental documents necessary to clear the two sections from San Francisco to San Jose, and San Jose to Merced, for the design-build procurement.

SANDRO R. PANI

LA Metro Crenshaw/LAX Transit Corridor Project, Los Angeles, CA (HNTB) 2013-2018

Sandro was the OCS engineer on the design-build project for the new 8.5-mile-long LA Metro light rail line connecting LA Metro's Green Line and Exposition lines, integrating the Los Angeles International Airport into the regional rail network. OCS included design of conductor rail system for underground structures and constant tension catenary for all other portions of the alignment. During design, Sandro was responsible for design of OCS pole placement, catenary layouts, and profiles. During post-design services, Sandro was responsible for managing and assisting in responding to systems related RFIs and submittals/shop drawings.

Metro-North Railroad (MNR) Station Modernization, New York, NY (HNTB) 2015-2016

Sandro was systems engineer for the development of communications designs to improve passenger information systems as well as upgrade the station network and security systems. This project included improvements for the majority MNR's 122 stations as part of a \$2.6B capital plan. Sandro assisted in developing the 30% design, locating new passenger information equipment, and developing CCTV coverage on platforms and in station buildings.

San Francisco Municipal Transportation Agency (SFMTA) Lifelines Study, San Francisco, CA (HNTB) 2015

As systems engineer on the Lifelines Study, Sandro was tasked with identifying vulnerabilities due to natural disasters in SFMTA transit infrastructure and facilities in the Financial District-Market Street corridor. He inspected traction power substations and related facilities to identify existing vulnerabilities and potential impacts to SFMTA's operations, and provided recommendations for mitigating the identified vulnerabilities.

Replacement of Wayside Electric Traction Substations on the New Haven Line, CT (URS) 2009-2011

Sandro was project engineer for the design and replacement of five railway wayside traction power substations serving the New Haven Main Line. During the design phase, he developed and drafted site and foundation drawings, quantity estimates, compiled and edited technical specifications, and drafted and reviewed contract drawings. During the construction phase he reviewed and responded to construction submittals, RFIs and change order initiators (COIs).

East Bridgeport Rail Yard Improvements Project, Bridgeport, CT (URS) 2008-2011

Sandro was project engineer for the design of overhead catenary systems for the East Bridgeport Rail Yard to provide additional storage for New Haven Rail commuter cars. Tasks during the design phase included field investigations, quantity and cost estimates, compiling and editing of technical specifications, and drafting and revising of contract drawings. Tasks during the construction phase included reviewing and responding to construction submittals/shop drawings, RFIs and COIs.

Metro-North Railway Bridge Replacement Feasibility Study, Stamford, CT (URS) 2010

Sandro was transportation engineer for the study to replacing five railway bridges in Stamford, CT, along the New Haven Line. He prepared construction staging plans, evaluated impact to railway service during construction, and developed alternatives of construction sequence.

Feasibility Study - Danbury Branch Electrification, CT (URS) 2008

Sandro was transportation engineer/planner for Phase II of the feasibility study, which consisted of Federal Transit Administration Alternatives Analysis and development of the Environmental Impact Statement. He collected data of existing conditions for rail simulations, conducted field investigations including Hi-Rail tour and walkthrough of the branch, and organized public scoping meetings.

POST-GRADUATE EXPERIENCE

Dissertation – Traveller Behaviour as part of the Generalised Cost Function

Determined the effect on the perception of time of passengers due to the use of mobile and wireless technologies while traveling by train. Conducted online survey research to reassess the weighting values used for the Generalized Cost Function and evaluate passengers' activities and their behavior during their rail journey.

Seattle Transit Advisory Board

12 Members: Pursuant to Resolution 31572, all members subject to City Council confirmation, 2-year terms:

- 7 Mayor- appointed
- 5 City Council- appointed

Roster:

| *D | **G | RD | Position No. | Position Title | Name | Term Begin Date | Term End Date | Term # | Appointed By |
|----|-----|----|--------------|--------------------|-----------------------|-----------------|---------------|--------|--------------|
| 3 | M | 3 | 1. | Member | Sandro R. Pani | 8/3/20 | 8/2/22 | 1 | City Council |
| 4 | F | 4 | 2. | Member | Emily Walton Percival | 8/3/20 | 8/2/22 | 1 | City Council |
| 5 | M | 4 | 3. | Member | Andrew P. Martin | 8/3/20 | 8/2/22 | 2 | City Council |
| 6 | F | 7 | 4. | Member | Michelle Zeidman | 8/3/19 | 8/2/21 | 2 | City Council |
| 6 | F | 2 | 5. | Member | Jennifer Malley | 8/3/19 | 8/2/21 | 2 | City Council |
| 1 | F | 3 | 6. | Member | Keiko Budech | 8/3/20 | 8/2/22 | 2 | Mayor |
| 6 | F | 3 | 7. | Member | Barbara Wright | 8/3/20 | 8/2/22 | 2 | Mayor |
| 1 | M | 1 | 8. | Member | Art Kuniyuki | 8/3/20 | 8/2/22 | 1 | Mayor |
| | F | 7 | 9. | Member | Erin Tighe | 8/3/19 | 8/2/21 | 3 | Mayor |
| 6 | F | 2 | 10. | Member | Alexandra Rouse | 8/3/19 | 8/2/21 | 2 | Mayor |
| 5 | F | | 11. | Member | Carla D. Saulter | 8/3/19 | 8/2/21 | 3 | Mayor |
| 6 | M | 3 | 12. | Get Engaged Member | Andrew Parker | 9/1/20 | 8/31/21 | 1 | Mayor |

SELF-IDENTIFIED DIVERSITY CHART

| | | | | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
|---------|------|--------|-------------|----------|-------|-------------------------|------------------|--------------------------------|-------|-------------------------|------------------|----------------|-------------|
| | Male | Female | Transgender | NB/ O/ U | Asian | Black/ African American | Hispanic/ Latino | American Indian/ Alaska Native | Other | Caucasian/ Non-Hispanic | Pacific Islander | Middle Eastern | Multiracial |
| Mayor | 2 | 5 | | | 1 | | | | 1 | 3 | | | |
| Council | 2 | 3 | | | | | 1 | | 1 | 2 | | | |
| Other | | | | | | | | | | | | | |
| Total | 4 | 8 | | | 1 | | 1 | | 2 | 5 | | | |

Key:

*D List the corresponding *Diversity Chart* number (1 through 9)

**G List *gender*, M= Male, F= Female, T= Transgender, NB= Non-Binary, O= Other, U= Unknown

RD Residential Council District number 1 through 7 or N/A

Diversity information is self-identified and is voluntary.