

**NOISE REVIEW BOARD
OCTOBER 19, 2016
MINUTES**

Present: Carol Gossett, Melissa Stewart, Ryan Hyke, Kerrie Standlee and Paul van Orden

Absent: Jamie Hurd

Minutes: Katherine Couch

Call to order – 6:09 pm by Carol Gossett

Return from last month's meeting, as requested by NRB

Request from Jim Mahar, JBA-ACCO, for a 2-year duration construction project within a 2 city block area, consisting of 3 mixed-use buildings on the previous Conway site located between NW Thurman, NW 21st Ave, NW Raleigh St, and NW 22nd Ave. The request is for concrete pours, erecting and dismantling 2 tower cranes, some smaller mobile crane usage, and roofing activities on 2 of the low-rise buildings. The requested time is between August 31, 2016 and July 30, 2018, the requested extended hours are between 5:00 am – 8:00 pm

Applicant addressed complaint from last week

2 concrete pours coming up quickly, with, 1 coming up Friday

Both pours are closest to NW Thurman, far away from housing

Readings were given to the NRB, in an additional document. Applicant believes he can come up with a deflection method to see if it works to mitigate sound, but has not received hardware yet.

Nearest receiver, JJ Hawkens Building is 65 feet away.

Motion was made by Kerrie Standlee with conditions below. Ryan Hyke seconded the motion. The motion passed unanimously, 4 – 0

- A. The applicant will return quarterly to review progress and/or complaints and how they were addressed. If there are no concerns that need to be addressed, this condition may be removed at a later date.
- B. No days may have both morning and evening varianced hours.
- C. There shall be no more than 3 concrete pours per week.
- D. There shall be no work allowed on Sundays**
- E. Pumper trucks shall have sound mitigation to ensure decibel levels A weighted (Fast) do not exceed 70 between the hours of 5:00 am and 7:00 am, as measured at any residential use location.

- F. Concrete pumping will not occur before 5:30 am.
- G. There shall be a hotline phone set up to receive complaints, with the information from and complaints forwarded daily to the noise office, with the response to the complaint included.
- H. Concrete pumping to occur off of NW 21st Ave. Deliveries are to be routed straight off of Thurman over to 23rd Ave, or around to the north and back to the east.
- I. The contractor shall develop noise mitigation plans in response to any complaints verified by the Noise Control Officer.
- J. From 5:00 am until 7:00 am, back up alarms will be disconnected and spotters will be used to safely back up vehicles

Return from last month's meeting, as requested by NRB

Request from Clay Jordan, representing Multnomah County; Division of Transportation – Bridges, for a 1-year duration construction project to repair the Rall Wheels on the Broadway Bridge. The requested time is between February 1, 2017 and November 30, 2017, for up to 50 nights, and the requested hours are between 6 p.m. and 7:00 am.

Mike Pullen presenting, with Tye Aidana, along with Evan Stuart from Hamilton Construction Project will replace all 4 wheels and tracks below
There will be 10 months' traffic impacts in total
Street car line and 1 bus line will be running when bridge is available to all traffic, but the bridge will be closed on a few weekends.
During the times when the bridge is open, there will be 1 lane of traffic in each direction, and at least 1 sidewalk open.
Coast guard limiting bridge closure to 2 -28 day closures due to river traffic. ocean going ships loaded with grain from Dreyfuss Terminal are too large to successfully pass under the bridge while closed
A few of the 50 requested nights are for placing traffic controls and taking them in, and replacing steel components.

Outreach

Website was launched in the spring, and in July, an email was sent to all contacts
Postcard was sent to 1250 people after the last hearing, with a reminder tonight by email.

Motion was made by Kerrie Standlee to grant a variance for 50 nights of work with the conditions below. Melissa Stewart seconded the motion. The motion passed unanimously, 4 - 0.

- A. Variance shall be for up to 50 nights of nighttime work between the hours of 6:00 pm – 7:00 am

- B. All equipment will comply with US Environmental Protection Agency noise standards
- C. Reduce truck movements at night
- D. Use silent “smart alarms” instead of reverse signal beep alarms on vehicles at night
- E. Sound measurements will be made on the nearest building to the bridge on McCormick Pier Apartments on the NE building. The level there shall not exceed 70 dBA L10 hourly with L1 shall not exceed 75 dBA, measured in 15 minute increments.
- F. Noise limits at The Yards shall not exceed an L10 of 65dBA or an L1 of 70 dBA, as measured using 15 minute measurement periods. ho
- G. Build containment structures to help muffle construction noise
- H. Replacement Rall Wheels shall be barged in during daytime construction hours
- I. Maintain a 24-hour telephone response line for noise complaints
- J. Address complaints within 24 hours before scheduled night work
- K. The applicant will notify the Noise Control Office of any complaints related to the Event. A mitigation plan will be formulated with the Noise Office.
- L. Noise measurements will be monitored and recorded during the event. The sound level measurements will be supplied to the Noise Control Office within 2 weeks, 14 calendar days, following the event. Readings will also be made available upon request of the Noise Office during the event.

Return from last month’s meeting, as requested by NRB

Requested from Megan Neill, Multnomah County; Division of Transportation – Bridges, for a three-year duration construction project, in order to maintain and repair the Burnside Bridge over the Willamette River to ensure its continued service life. There are specific bridge areas that exhibit deterioration that could impact river traffic, which includes deteriorated paint on the steel truss fixed and movable spans over the river. Further, concrete spalling due to reinforcement corrosion is occurring throughout the bridge and includes areas over the river, public spaces, local businesses, local streets, and interstate highways. In addition, existing damage to the west river pier adjacent to Waterfront Park’s seawall (Pier 1) would also be addressed by this project. Finally, portions of the bascule lift span machinery, computer systems, and span locks will be replaced or rehabilitated. The requested time is between March 1, 2017 intermittently through November 30, 2019, and times are as follows: 6:00 pm – 7:00 am.

Steve Drahoda, Scott Noel, and Cassie Davis from HDR presented
 Project is to extend the life of the bridge, to try and get more years of usage
 Series of full weekend bridge closures – 9 total. No concrete deck at night
 Using Trimet 20-day shutdown and they are doing work at the same time. Will need some mitigation.

Fall 2017 and early into 2018 1 – 4 am due to Trimet restrictions

I-5 closures of 4 weekends, 2 for north and 2 for south

84 full ramp closures (a couple of night) follow up night work.

Meetings and followed up with mailer quarter mile radius, including units, not property managers. Only comment was from U of O regarding class times. People seem understanding. Fishels mixed use building completion date coinciding with bridge work.

Logistical challenges with high use area and new development
Baseline monitoring union arms and Portland rescue mission

Motion was made by Ryan Hyke to grant a variance, which included a friendly amendment from Kerrie Standlee, with the conditions below. Melissa Stewart seconded the motion. The motion passed unanimously 4 - 0

Locations with timing:

1. Burnside Bridge closure: Occur for up to 9 weekends, from 11:00 p.m. to 5:00 a.m., starting Friday night and ending Monday morning. These would occur after October 1, 2017 in the fall and/or winter of 2017, 2018, and early summer of 2019.
2. TriMet work window: April 30 to May 20, 2017.
3. TriMet outside of work window: From 1:00 to 4:00 a.m., occurring in the fall/winter of 2017 and 2018.
4. I-5/I-84 closures: from 9:00 p.m. to 4:30 a.m. during the following dates:
 - April 14 to April 17, 2017
 - April 21 to April 24, 2017
 - May 5 to May 8, 2017
 - May 12 to May 15, 2017
5. I-5 southbound off-ramp closure: From 11:00 p.m. to 4:30 a.m. on weekdays in April and May of 2017.

Unless otherwise specified above, it is anticipated the nighttime work will predominantly occur Sunday through Thursday; however, there may be times when the contractor will also need to work on Friday and Saturday nights.

- TriMet work window:
 - A. Implementation of an acoustic blanket suspended from the Burnside Bridge extending down to the NW/SW 1st Avenue surface to block the line of sight to the Portland Rescue mission and reduce sound levels.
 - B. A requirement to place the generators at least 100 feet from the Portland Rescue Mission and underneath the Burnside Bridge behind the acoustic blanket.
- Outside of the TriMet work window:
 - A. An acoustic enclosure that would block noise emanating from the workers operating tools on the man-lift from the receivers at Portland Rescue Mission, constructed of 1 inch plywood over a 4- by 4-inch wood frame.
 - B. A requirement to place the generators and air compressors for pneumatic tools at least 350 feet away on the bridge deck, toward the center of the river, thus reducing the received sound levels at the receptors from these sources.

Additionally, the following measures would be used, to the extent feasible, to mitigate noise impacts during nighttime construction:

- A. All equipment used shall have sound control devices no less effective than those provided on the original equipment. No equipment shall have an unmuffled exhaust.
- B. All haul trucks will meet or exceed the standards outlined in Chapter 34, Section 35 of the Oregon Administrative Rules, Oregon Department of Environmental Quality, April 1983.
- C. All equipment shall comply with pertinent equipment noise standards of the EPA.
- D. The contractor shall use “smart alarms” or a “spotter” instead of standard reverse signal alarms between 6:00 to 10:00 p.m. A “guide person” or “spotter” shall be used for equipment backup between 10:00 p.m. and 7:00 a.m.
- E. The contractor will be directed to install temporary or portable barriers around stationary construction noise sources, should a specific noise impact complaint occur.
- F. The project engineer shall require compliance with any and all noise variance conditions. The project engineer will also require compliance with the noise abatement requirements and mediate any infractions of those requirements, should they occur. Complaints will be investigated to determine if there is a violation, and if so determined, the contractor will begin appropriate mitigation measures.
- G. There will be a 24-hour telephone response line (Hot Line) available to the nearest receptors. The project engineer shall investigate complaints, develop information, and secure data necessary to address complaints within 24 hours or before the next scheduled night work.
- H. Periodic construction compliance noise monitoring will be completed via handheld noise meter 50 feet from construction in the direction of the nearest noise-sensitive receptor to investigate and substantiate noise complaints.
- I. The Noise Control Office staff has the ability to revise dates and make basic changes to variance timing

Construction noise is limited to no more than 75 dBA, measuring the compliance with a 15 minute Leq at the nearest sensitive receiver. Measurements for compliance will be taken at the roofs of the Portland Rescue Mission, the Union Arms Apartments, and at The Yard. Sound levels shall be monitored at either end of the bridge when construction activity is 400 feet or less to the closest sensitive receivers.

Public Testimony

There was no public testimony at this meeting

Approve September 8, 2016 minutes

Melissa Stewart makes a motion to approve the minutes.

Karrie Standlee seconds the motion.

Motion passes 4 – 0

Meeting adjourned at 7:54 pm