



# **NOISE MANAGEMENT PLAN**

**June 15<sup>th</sup>, 2021 – October 2021**

## **BROWARD COUNTY CONVENTION CENTER**

**1850 - 1950 Eisenhower Boulevard**

**Fort Lauderdale, FL 33316**

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## 1 Description of Work

- Steel Erection, Steel Detailing, Concrete Pours, Civil work, Interior Masonry, MEPF Systems and Finishes at the Convention Center. The work would commence at 7 AM and be completed by 10 PM (15 hours) Monday through Saturday. On Sunday, the work would commence at 10 AM and be completed by 7 PM. The off hours will commence on June 15<sup>th</sup> and continue through October of 2021. *No person shall operate or cause to be operated any equipment used in construction, repair, alteration or demolition work on buildings, structures, streets, alleys, or appurtenances thereto with sound-control devices less effective than those provided on the original equipment prior to 7 AM and after 10 PM.*
- The equipment with the most amount of noise will be utilized during daylight hours only (Reference the Noise and Vibration Predictions below and Appendix 8.10 which shows the noise generated from the construction will reduce to below the ambient noise level adjacent to the local residences due to distance from the construction to the residence). The average duration of steel erection will be approximately 10 – 12 hours Monday through Saturday and approximately 9 hours on Sunday. The Steel erection will take place only during daylight hours and welding/detailing will take place on off hours (no equipment with sound-control devices will be utilized prior to 7 AM or after 10 PM).
- See attached estimated schedule for the description of work (Reference Appendix 8.7)

<b>Table 1: Description of Work Schedule</b>		
<b>Subcontractor Work</b>	<b>Daylight to Dusk (Monday – Saturday, Sunday)</b>	<b>Monday – Saturday: 7 AM – 10 PM (15 Hours) Sunday: 10 AM – 7 PM (9 Hours)</b>
Steel Erection	Yes	Only during Daylight
Civil Work	Yes	Yes
Steel Detailing	Yes	Yes
Interior Masonry	Yes	Yes
MEPF Systems	Yes	Yes
Concrete Pours	Yes	Yes
Finishes	Yes	Yes

- Site Plan & Location Map (Reference Appendix 8.1)
- Legal Description:
  - 1850 Eisenhower Boulevard:  
PORT EVERGLADES PLAT NO 2 108-31 B POR OF PAR A DESC  
AS:COMM SW COROF NE1/4 OF SE1/4 OF SEC 14-50 42,NLY 289,ELY  
95 TO POB,ELY 220 NLY 792,WLY 220,SLY 411,WLY 15, SLY 110,ELY  
15,SLY 271 TO POB
  - 1950 Eisenhower Boulevard:  
PORT EVERGLADES PLAT NO 2 108-31 B PARCEL A LESS POR  
DESC:COMM SW COR OF NE1/4 OF SE1/4 OF SEC 14-50-42,NLY  
289,ELY 95 TO POB, ELY 220,NLY 792,WLY 220,SLY 411, WLY 15,SLY  
110,ELY 15,SLY 271 TO POB,& LESS POR PAR A DESC AS COM NW COR  
PAR A,E 80 TO POB,CONT E 832,S 288.81,W 114.03,N 88.96,W  
475.01,N 29.73,W 235,N 168.61 TO POB
- Justification for Work:
  - Safely putting more people to work during COVID-19
  - There was a significant increase in rainfall during 2020 which has impacted the construction schedule by 30+ workdays. The project is estimating that in order to make up the 30+ days, the project will have to work two (2) shifts through the completion of the project. The project completion date is scheduled for October 15<sup>th</sup>, 2021, and it is estimated that the 2021 Boat Show will start loading around the 10<sup>th</sup> of October.
  - The project estimates that the building will be dried in (Building envelope will be completed) no later than July of 2021. This will significantly reduce any noise outside of the project as the majority of the work will be inside the building. The building dry in started in April of 2021 with an anticipated dry in date of July of 2021. The noise level will continue at the same level through the end of June and slowly start to decrease through the completion of the dry in of the building. The shortest distance from the work to the nearest residential condo is 580 feet (Reference Appendix 8.5). The distance from the work to the nearest residence should not be any more significant than 17<sup>th</sup> street itself (reference Noise Monitoring Report appendix 8.6).
  - The second shift will help accelerate the project.

- Early morning concrete pours will help alleviate the amount of Construction traffic on SE 17<sup>th</sup> Street during peak traffic hours.
- The above will reduce the impact of construction on the surrounding residential neighborhoods and businesses by keeping the project within the original completion date.
- Commencement Date and Duration of Work:
  - The second shift will commence on June 15<sup>th</sup>, 2021, and continue through October of 2021.
  - Steel Erection, Concrete Pours, Interior Masonry, Civil, MEPF, and Finishes activities will be in accordance with the attached estimated schedule.

## 2 Contractor Contacts

Balfour Beatty Construction – Broward County Convention Center Project Team – Table 2

Table 2: BBC Contact List		
Name	Position	Contact Number
Ron Ferguson	General Superintendent	(407) 713-1877
Chris Baran	Senior Project Manager	(407) 461-4107
Tom Stedem	Senior Project Manager	(863) 640-0298
Jose Rodriguez	Superintendent	(407) 304-9401
Justin Valdes	Assistant Superintendent	(407) 572-5654

## 3 Equipment

- The equipment used for construction work is the quietest reasonably available.
- Equipment that may generate noise during the second shift are as follows:
  - Cranes
  - Concrete Trucks
  - Concrete Pumps
  - Concrete Vibrators
  - Back-up Alarm on Construction Equipment
  - Material Delivery Trucks
- The duration of use of equipment and/or period of work will vary depending on each activity. Noise generated will be intermittent based on specific activity taking place (i.e. – back-up warning alarm from trucks, concrete vibrators, pump trucks, etc...)

#### 4 Noise and Vibration Predictions

- Reference Appendix 8.10 NV5 Signed and Sealed Engineered Calculation showing that the noise generated from the construction project is equal to or less than the surrounding ambient noise. Reference the last paragraph of page 3 and all of the information on page 4 for specifics. The following is the information from the bottom of page 3 and 4:

*In order to determine compliance with the City regulations a calculation of noise at the adjacent properties is necessary. Noise reduces with distance and using a standard calculation noise may be predicted based upon an initial level and distance. The use of the inverse square law allows predication in that a sound level (intensity) will drop off as distance increases. This law which has been demonstrated by evidence and actual measurement calculates a six (6) decibel drop with a doubling of the distance in feet. Considering the 85-decibel level for the forklift at 570 feet noise would reduce to 64 dBA.*

*The predicted level is presuming no uninterrupted path for the sound and that no existing levels are considered. However, the largest reduction of noise would be the shadowing of any noise at the Convention Center by existing noise from the community and traffic on SE 17th Street.*

*Measured levels from October 31, 2020 through December 16, 2020 show that noise from the adjacent street area and associated community produce levels that do not regularly go below 60-65 decibels up to 70 decibels. This data shows a solid noise level that exists over this period consistently. This may be considered as the “ambient” level of noise. Graphs are attached following the conclusion of this letter that show data from the noise meter for a series of dates which also identify City time frames and working shifts. Also shown are two graphs showing overall noise levels as the one minute maximum levels from October 28 through December 16, 2020. As the noise levels are 60 – 65 decibels at the minimum the 64 dBA generated by the forklift would be obscured by community ambient levels. Also, considering the noise levels occur 24-hours over this range of noise, the 60 dBA daytime and 50 dBA nighttime noise limits of the City cannot be met due to ambient conditions. In our opinion the noise levels projected to the north properties would not be in excess of the noise regulations of the City.*

- Equipment Noise Emission Levels (Lmax Noise (dba) 50 ft):
  - o Concrete Trucks – 85
  - o Concrete Pumps – 82
  - o Concrete Vibrators – 80
  - o Back-up Alarm – 97 – 112
  - o Crane – 85
- The aforementioned equipment predicated noise emissions can be reviewed in the Appendices below or on the U.S. Department of Transportation Highway Administration website (Link [HERE](#)).

## 5 Noise and Vibration Control Measures

- We have installed a noise monitoring device located adjacent to the nearest residential condo to demonstrate that the noise generated during the off hours outside of 8 AM to 7 PM are equivalent to the noise generated from 17<sup>th</sup> Street and the surrounding areas. Reference attached GeoSonics report for noise monitoring (Appendix 8.6).
- Only the equipment necessary for Concrete pours, Interior Masonry, MEPF Systems, and Finishes will be utilized prior to and after the normal Construction operation hours of 8 AM to 7 PM.
  - o Concrete Truck back-up alarms will be switched to ambient white noise to lessen noise emissions by 18 dBA when safety protocols allow.
  - o On-site traffic patterns will be coordinated to minimize backing up movement.
  - o Deliveries will be sequenced appropriately to reduce the amount of idling Trucks.
- We do not anticipate any heavy vibration during the concrete pours and no pile work will be conducted during this time frame.

## 6 Complaint Response

### 6.1 Procedure and recording of complaints

- The Balfour Beatty Construction – Broward County Convention Center Team will be responsible for logging and responding to all complaints
- Any complaints can be made via phone or in writing to:

Balfour Beatty Construction ATTN: Ron Ferguson 7901 S.W. 6 <sup>th</sup> Court, Ste. 200 Plantation, FL 33324 (407) 713-1877	Balfour Beatty Construction ATTN: Chris Baran 7901 S.W. 6 <sup>th</sup> Court, Ste. 200 Plantation, FL 33324 (407) 461-4107
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### 6.2 Community Notification

- Balfour Beatty Construction will post a Community Notification around the project site on the perimeter fence and with the Condo Association announcement boards in the adjacent condo building. In addition, notifications will be left in mailboxes of adjacent businesses. (Reference Appendix 8.3).
- The project will also utilize the Fort Lauderdale Office of Neighbor Support to ensure maximum outreach.
- Notifications will identify all second shift work and will be posted prior to the commencement of work.
- Reference Appendices for Community Notification Letter and Distribution Area.

## 7 COVID 19

Balfour Beatty Construction is closely monitoring the COVID 19 pandemic and ensuring every measure is being followed in the office and the field to the safety of the workers and the surrounding community. (Reference our COVID 19 Project Protocols in Appendix 8.8).



## 8 Appendices

- 8.1 Site Plan & Location Map
- 8.2 Community Notification
- 8.3 Community Notification Distribution Area
- 8.4 Equipment Predicated Noise Emissions
- 8.5 Distance to Condo Map
- 8.6 Noise Monitoring Report
- 8.7 Construction Estimate Schedule
- 8.8 COVID 19 Project Protocols
- 8.9 Rain Fall Information for 2020
- 8.10 NV5 Signed and Sealed Engineered Calculation



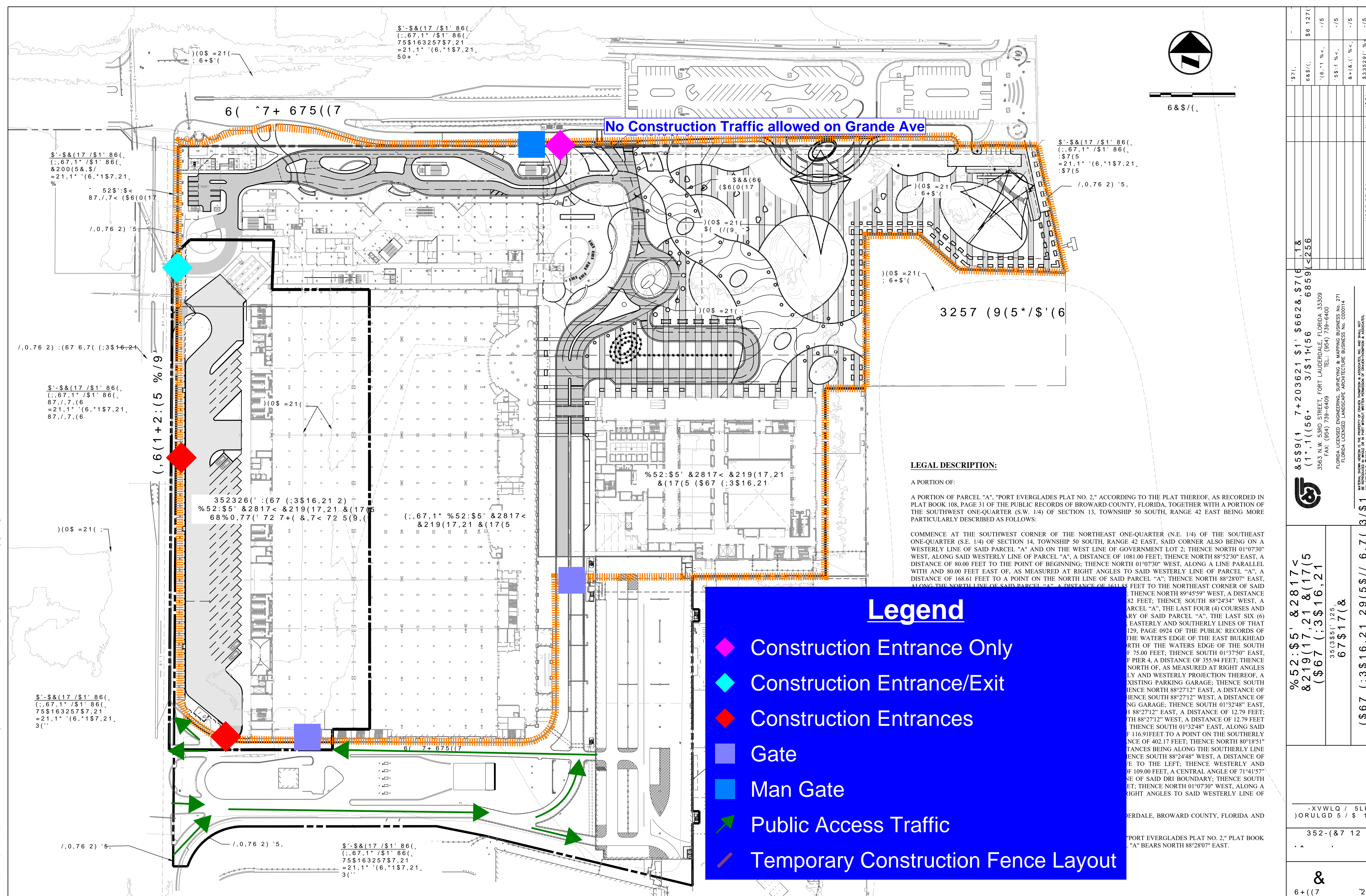
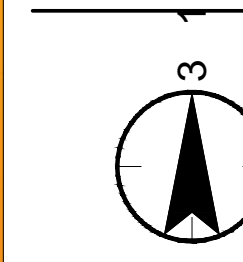
# BCCCH - Site Logistics Plan



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2QH %LVFDIQH 7RZHU 6XLWH  
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OLDPL )O  
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3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309  
FAX: (954) 739-6409 TEL.: (954) 739-6409  
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**LEGAL DESCRIPTION:**

A PORTION OF

A PORTION OF PARCEL "A," "PORT EVERGLADES PLAT NO. 2," ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 108, PAGE 31 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, TOGETHER WITH A PORTION OF THE SOUTHWEST ONE-QUARTER (S.W. 1/4) OF SECTION 13, TOWNSHIP 50 SOUTH, RANGE 42 EAST BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTHEAST ONE-QUARTER (N.E. 1/4) OF THE SOUTHEAST ONE-QUARTER (S.E. 1/4) OF SECTION 14, TOWNSHIP 50 NORTH, RANGE 42 EAST, SAID CORNER ALSO BEING ON A WESTERLY LINE OF SAID PARCEL "A" AND ON THE WEST LINE OF GOVERNMENT LOT 2 THENCE NORTH 07°07'30" WEST, ALONG SAID WESTERLY LINE OF PARCEL "A" A DISTANCE OF 168.6 FEET, THEREUPON TURN RIGHT ANGLE TO A DISTANCE OF 80.00 FEET TO THE POINT OF BEGINNING, THENCE NORTH 01°07'30" WEST, ALONG A LINE PARALLEL WITH AND 80.00 FEET EAST OF, AS MEASURED AT RIGHT ANGLES TO SAID WESTERLY LINE OF PARCEL "A," A DISTANCE OF 168.6 FEET TO A POINT ON THE NORTH LINE OF SAID PARCEL "A";

ALONG THE NORTH LINE OF SAID PARCEL "A," A DISTANCE OF 161.5 FEET TO THE NORTHEAST CORNER OF SAID PARCEL "A"; THENCE NORTH 89°45'59" WEST, A DISTANCE OF 82. FEET, THENCE SOUTH 88°24'48" WEST, ALONG PARCEL "A," THE LAST FOUR (4) COURSES AND EASTERLY OF SAID PARCEL "A," THE LAST SIX (6) COURSES AND SOUTHERLY LINES OF THAT SECTION 129, PAGE 0924 OF THE PUBLIC RECORDS OF THE STATE OF TEXAS, BEING THE WATER'S EDGE OF THE EAST BULKHEAD OF THE WATERS EDGE OF THE SOUTH RIVER OF THE WATERS EDGE OF THE SOUTH RIVER 75.00 FEET, THENCE SOUTH 03°37'50" EAST, ALONG PIER 4, A DISTANCE OF 55.94 FEET; THENCE NORTH OF, AS MEASURED AT RIGHT ANGLES TO THE WESTERN PROJECTION THEREOF, ALONG EXISTING PARKING DRIVE, THENCE SOUTH 88°27'12" WEST, A DISTANCE OF 12.79 FEET, THENCE NORTH 88°27'12" WEST, A DISTANCE OF 12.79 FEET, THENCE SOUTH 01°32'48" EAST, ALONG SAID GARAGE, THENCE SOUTH 01°32'48" EAST, ALONG PIER 8, A DISTANCE OF 11.88 FEET; THENCE NORTH 88°27'12" WEST, A DISTANCE OF 12.79 FEET, THENCE SOUTH 01°32'48" WEST, A DISTANCE OF 12.79 FEET; THENCE SOUTH 01°32'48" EAST, ALONG SAID DRIVE, A DISTANCE OF 402.17 FEET, THENCE NORTH 80°18'51" WEST, A DISTANCE OF 10.00 FEET, A DISTANCE BEING ALONG THE SOUTHERLY LINE OF PARCEL "A," A DISTANCE OF 10.00 FEET TO THE LEFT, THENCE WESTERLY AND NORTHERLY, A CENTRAL ANGLE OF 71°41'57" OF SAID DR. BOUNDARY, THENCE SOUTHWESTERLY, A CENTRAL ANGLE OF 101°07'30" WEST, ALONG A RIGHT ANGLE TO SAID WESTERLY LINE OF

TRAFFIC: "A" BEARS NORTH 88°28'07" EAST.

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

1RW IRU SHUPLWV SULFLQJ  
7KLV GRFXPHQW KDV QRW  
FKHFNHG DQG LV IRU JHQ  
FRPPHQW RQO\

% 52.55' 828175

% 52.55' 8.2817

$$= 0.6(1+2)(5\%/9)$$

LWOH

20 (04/77) 0,1 (0/0)

&amp;

CAM #21-083  
EXHIBIT  
Page 10 of 1



# **\*PUBLIC NOTICE\***

***EARLY MORNING CONCRETE POUR, STEEL  
DETAILING, STEEL ERECTION INTERIOR MASONRY,  
MEPF SYSTEMS, AND FINISHES ADVISORY***

## **BROWARD COUNTY CONVENTION CENTER**

**1850 - 1950 Eisenhower Boulevard Fort Lauderdale, FL 33316**

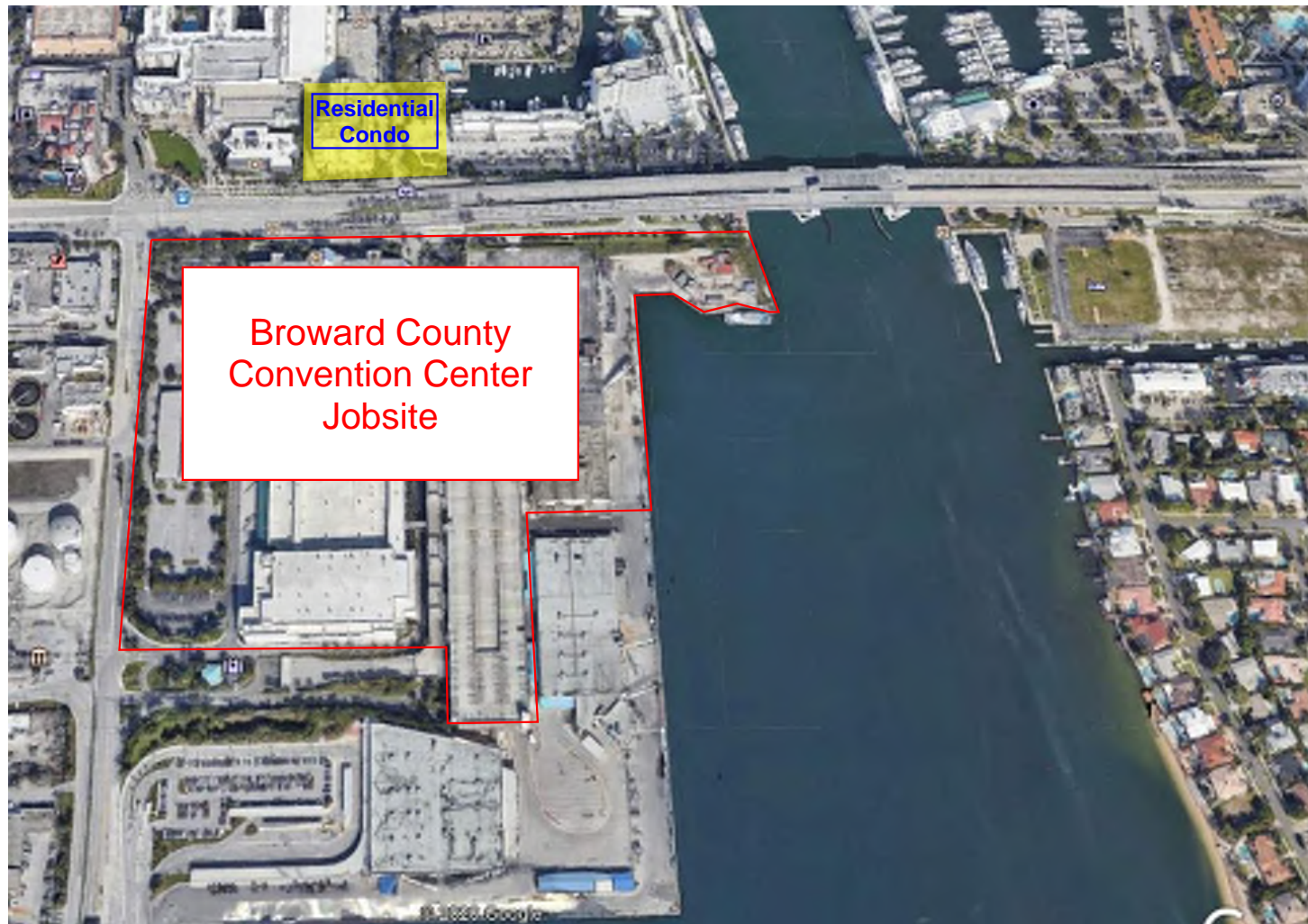
Please be advised that the Broward County Convention Center at 1850-1950 Eisenhower Boulevard, Fort Lauderdale, FL 33316 will be conducting second shift work Monday – Saturday 7 AM to 10 PM and Sunday 10 AM to 7 PM beginning June 15<sup>th</sup>, 2021, and will continue through October of 2021.



Balfour Beatty Construction

ATTN: Ron Ferguson  
7901 S.W. 6<sup>th</sup> Court, Ste. 200  
Plantation, FL 33324  
(407) 713-1877

ATTN: Chris Baran  
7901 S.W. 6<sup>th</sup> Court, Ste. 200  
Plantation, FL 33324  
(407) 461-4107



**Community Notification Distribution Area**

### 8.3 Community Notification Distribution Area

# Effective Noise Control During Nighttime Construction

[Workshops](#) > [Reduced Demand](#)

## Introduction

In recent years there have been fundamental changes in the types of projects that Departments of Transportation (DOT) are constructing. Today a significant number of projects are urban widening/rehabilitation work where daylight construction closures of the routes cause unacceptable congestion problems. Therefore, because of the high traffic volumes during the normal workday on these major urban transportation corridors, it is usually only possible to perform construction operations during the nighttime.

Departments of Transportation are writing into the specifications for these projects severe restrictions on when a contractor can execute the work. Typically the work must be performed at night. In turn, these nighttime work requirements precipitated disturbances to adjacent property owners'. When residents complain the path of their complaints is often through their local government. Additionally, the resulting complaints are coming during a climate of national concern about the adverse effects of environmental noise.

In the conduct of their construction and rehabilitation programs agencies struggle with three interested and impacted parties that must be satisfied.

- The driving public both commercial and private
- The community through which the transportation corridor traverses
- The construction contractors

This is a compilation of methods and techniques for mitigating nighttime construction nuisances. Mitigation is a critical requirement for serving the traveling public, for conducting DOT business in a responsible manner, and for preparing valid contract documents.

## Problems

The major nuisances associated with the nighttime construction are noise, vibration, and illumination. Noise problems are normally caused by the operation of heavy equipment and specifically by vehicle and machine backup-alarms, Table 1. Vibration problems are primarily a result of pile driving, blasting operations, or the use of vibratory rollers. While good illumination is necessary for the work to proceed at night and for the safety of the traveling public, proper work zone illumination can be very intrusive to project neighbors. There is also concern by Departments about exposure to possible contractor claims if noise objectives are not properly presented in the contract documents.

A telephone survey of state DOTs found that many require adherence to certain noise (decibel) limits during nighttime construction. In many cases these limits are the consequence of specific local ordinances. Some Departments indicated that they could receive local ordinance waivers rather easily. Other Departments stated that they had jurisdiction over the local municipalities in these matters, but they tried to abide by the local ordinances.

**TABLE 1. Critical Nighttime Construction Noise Generators**

Noise Generator	Percent of DOTs identifying as Cause of Problems*
Back-up Alarms	41%
Slamming Tailgates	27%
Hoe Rams	24%

## 8.4 Equipment Predicated Noise Emissions

Milling/Grinding Machines	16%
Earthmoving Equipment	14%
Crushers	6%

\*As rated by the 50 State DOTs

## Sound

The human ear does not judge sound in absolute terms, but instead senses the intensity of how many times greater one sound is to another. A decibel is the basic unit of sound level; it denotes a ratio of intensity to a reference sound. Most sounds that humans are capable of hearing have a decibel (dB) range of 0 to 140. A whisper is about 30 dB, conversational speech 60 dB, and 130 dB is the threshold of physical pain, Fig. 1.

Figure 1. Representative Noise Levels

*Noise levels tested (in increasing decibel level) include: sound studio (20 dB), quiet office (40 dB), conversation (60 dB), noisy restaurant (75 dB), chain saw (120 dB), jet plane (148 dB), and saturn rocket (200 dB).*

Sound and noise are not the same thing, but sound becomes noise when:

- It is too loud
- It is unexpected
- It is uncontrollable
- It occurs unexpectedly
- It has *pure tone components*

Noise is any sound that has the potential to annoy or disturb humans, or cause an adverse psychological or physiological effect on humans. In the case of the general population a 5 dBA change is required before most people realize there is a perceptible sound difference.

The noise levels generated during the construction process vary depending on the type of equipment and the nature of the work being performed. It should be recognized that noise impacts can be severe, especially during nighttime activities, and that in many cases simple noise mitigation strategies will not suffice.

Noise generation on most construction projects is the result of equipment operation with diesel engines being the primary generators. Equipment components that generate noise include: the engine, cooling fan, air intake, exhaust, transmission, and tires. In assessing noise generation, construction equipment can be grouped into two categories, stationary and mobile. Equipment noise can also be categorized as being either continuous or impulse in nature. Stationary equipment is considered to operate in one location for one or more days at a time; pumps, generators, compressors, screens, are typical examples of stationary equipment. In addition, pile drivers and pavement breakers are sometimes categorized as stationary equipment. Mobile equipment includes machinery that performs cyclic processes such as: bulldozers, scrapers, loaders, and haul trucks.

## Equipment Noise

Construction equipment is a major noise generator on nearly all nighttime construction projects. The equipment type, specific model, equipment condition and the operation performed influence equipment noise. Equipment manufacturers began attacking machine noise problems in the late '60s and today because of design improvements and technological advances new machines have been quieted to an acceptable level for almost every situation. *Newer equipment is noticeably quieter than older models* due primarily to better engine mufflers, refinements in fan design and improved hydraulic systems. Noise levels as generated by typical equipment are shown in Table 2.

## 8.4 Equipment Predicated Noise Emissions

How equipment noise will be perceived is also a function of use duration. On a monitored project in New Jersey the highest noise levels resulted from pile driving; but, because the driving was completed in a short period of time, the activity did not draw any complaints.

One of the conclusions from the U.S. Department of Transportation's 1979 construction equipment noise study was that 88 dBA is a reasonable noise level to expect for *used* equipment with an engine horsepower of 400 or less. It should be noted that the USDOT tests were made in the field under actual operating conditions at road construction sites, mines and quarries.

In 1994 and 1995 Harris Miller Miller & Hanson Inc. performed noise studies for the Central Artery/Tunnel project in Boston. The first study sought to quantify an *average* noise level while the second defined a *typical* noise level. It would seem that a typical value is better to use in developing specifications or project restrictions. That data delineates the most commonly occurring level.

Table 2. Construction Equipment Noise Emission Levels

<b>Equipment</b>	<b>Typical Noise Level (dBA) 50 ft., U. S. Dept. of Trans. study 1979</b>	<b>Average Noise Level (dBA) 50 ft., CA/T Project study 1994</b>	<b>Typical Noise Level (dBA) 50 ft., U. S. Dept. of Trans. study 1995</b>	<b>Lmax Noise (dBA) 50 ft., CA/T Project Spec. 721.560</b>
Air Compressor		85	81	80
Backhoe	84	83	80	80
Chain Saw				85
Compactor	82		82	80
Compressor	90	85		80
Concrete Truck		81		85
Concrete Mixer			85	85
Concrete Pump			82	82
Concrete Vibrator			76	80
Crane, Derrick	86	87	88	85
Crane, Mobile		87	83	85
Dozer	88	84	85	85
Drill Rig		88		85
Dump Truck		84		84
Excavator				85
Generator	84	78	81	82
Gradall		86		85
Grader	83		85	85
Hoe Ram		85		90
Impact Wrench			85	85
Jackhammer*		89	88	85
Loader	87	86	85	80
Paver	80		89	85
Pile Driver, Impact		101	101	95
Pile Driver, Sonic			96	95
Pump	80		85	77

## 8.4 Equipment Predicated Noise Emissions

Rock Drill			98	85
Roller			74	80
Scraper	89		89	85
Slurry Machine		91		82
Slurry Plant				78
Truck	89	85	88	84
Vacuum Excavator				85

\* There are 82 dBA @ 7 meter rated jackhammers (90 lb. class) available. This would be equivalent to 74 dBA @ 50 ft. These are silenced with molded intricate muffler tools.

#### Equipment Noise Control Options

Listed in Table 3 are the major sources of equipment noise that cause complaints. The Table also lists specific methods for controlling the identified noise problem.

Table 3. Construction Equipment Noise Control Options

Noise Source	Control
Backup alarms	<p>Use manually-adjustable alarms</p> <p>Use self adjusting alarms</p> <p>Use an observer</p> <p>Configure traffic pattern to minimize backing movement</p>
Slamming tailgates	<p>Establish truck cleanout staging areas</p> <p>Use rubber gaskets</p> <p>Decrease speed of closure</p> <p>Use bottom dump trucks</p>
Pavement breakers (jackhammers)	<p>Fit with manufacturer approved exhaust muffler</p> <p>Prohibit within 200 ft. of a noise sensitive location during nighttime hours</p> <p>Enclose with a noise tent</p>
Prolonged idling of equipment	<p>Reduce idling</p> <p>Locate equipment away from noise sensitive areas</p>

**Ambient-sensitive self-adjusting backup alarms** increase or decrease their volume based on background noise levels. These alarms work best on smaller equipment such as backhoes and trucks. The alarm self-adjusts to produce a tone that is readily noticeable over ambient noise levels (a minimum increment of 5 decibels is typically considered readily noticeable), but not so loud as to be a constant annoyance to neighbors. The typical alarm adjustment is 82 or 107 dBA. Close attention must be give to the alarm's mounting location on the machine in order to minimize engine noise interference, which can be sensed by the alarm as the ambient noise level. These alarms should be mounted as far to the rear of the machine as possible. An alarm mounted directly behind a machine's radiator will sense the cooling fan's noise and adjust accordingly, Figure 2. Such a mounting will **negate the purpose of the device.**

## 8.4 Equipment Predicated Noise Emissions



**Manually**-adjustable alarms are effective in reducing backup alarm noise nuisance but their use requires that each alarm be set at the beginning of each day and night shift. The manual setting feature eliminates the machine mounting location problem of the ambient-sensitive self-adjusting backup alarms. The manually adjustable alarms typically have an 87 and 107 dBA setting range, with the 87 dBA setting used for nighttime operations.

## Noise Mitigation

Of interest in terms of community noise impact is the overall noise resulting from a construction site. The noise of each individual piece of equipment and sometimes the highest noise source is not always the number one priority. Noise control is directed toward modification of a perceived sound field. It strives to change the impact at the receiver so that the sounds conform to a desired level. Mitigation of undesired sounds should consider source control, path control, and receptor control Figure 3.

Figure 2. A Self-Adjusting Backup Alarm Mounted in the Wrong Position

Figure 3. Noise Transfer Situation

*The Noise Transfer Situation shows the relation between sources, such as a pile driver, loader and truck, and their paths, groundborne vibration and direct sound (which includes a reverberant field) to the receiver. The relation is detailed below.*

*The Pile Driver creates a groundborne vibration path to the receiver. The loader and truck create a direct sound (reverberant field) path to the receiver.*

### Source Controls

Source control is the most effective method of eliminating noise problems. It is a cardinal rule that, where possible, noises control should occur at the source. Source controls, which limit noise emissions, are the easiest to oversee on a construction project. Source mitigation reduces the noise problem everywhere not just along a single path or for one receiver. Consequently, a project's noise mitigation strategy should emphasize noise control at the source.

### Require Construction Operations Planning

Restrict the movement of equipment into and through the construction site. Long-term impacts are generated along haul routes when there are large quantities of materials to be moved. Reroute truck traffic away from residential streets. Impose seasonal limitations on construction noise, the spring or fall are critical times in residential areas because windows are usually open at night.

### Example Specifications

*Where practical and feasible, construction sites shall be configured to minimize back-up alarm noise. For example, construction site access should be designed such that delivery trucks move through the site in a circular manner without the need to back up.*

### Require Modern Equipment

Unions recognize construction noise as a hazard to workers and the first of five things suggested to workers to address the problem is that they "Ask contractors to buy quieter equipment when they buy new equipment." DOT specification of equipment noise emission limits forces the use of modern equipment having better engine insulation and mufflers. The emission levels specified should reflect levels that can reasonably be achieved with well-maintained equipment, see Table 3.

### Equipment Restrictions

Restrict the type of equipment used.

### Example Specifications

## 8.4 Equipment Predicated Noise Emissions

*The use of impact pile drivers shall be prohibited during evening and nighttime hours.*

*All jackhammers and pavement breakers used on the construction site shall be fitted with manufacturer's approved exhaust mufflers.*

*The use of pneumatic impact equipment (i.e. pavement breakers, jackhammers) shall be prohibited within 200 feet of a noise-sensitive location during nighttime hours.*

*The local power grid shall be used wherever feasible to limit generator noise. No generators larger than 25 KVA shall be used and, where a generator is necessary, it shall have a maximum noise muffling capacity.*

Call the contractor's attention to the back-up alarm noise problem and require measures to address the issue.

By specification direct the use of only power grid connected or solar powered traffic control devices, Figure 4.

#### Example Specifications

*All variable message/sign boards shall be solar powered or connected to the local power grid.*

Figure 4. Solar Powered Traffic Control Devices

#### Operate at Minimum Power

Noise emission levels tend to increase with equipment operating power. This is a critical issue with older street sweepers, demolition work using a hoe-ram, and equipment such as vac-trucks, Figure 5. Require that such equipment operate at the lowest possible power levels.

Figure 5. vac-truck working at night

#### Use Quieter Alternate Equipment

Electric or hydraulic powered equipment is usually quieter than a diesel-powered machine. Encourage contractors to use alternate equipment. Use electric tower cranes, Fig. 6, instead of diesel power mobile cranes

Figure 6. Electric Tower Cranes for Bridge Construction

## Path Controls

Alone, source noise controls are frequently inadequate at adequately minimizing noise impacts on abutting sensitive receptors because of the close proximity to residences and businesses in urban areas and because of the very nature of the construction work. Thus, having exhausted all possible mitigation methods of controlling noise at the source, the second line of attack is controlling noise radiation along its transmission path. Noise path barriers should provide a substantial reduction in noise levels, should be cost effective, and should be implementable in a practical manner without limiting accessibility. Barriers can increase a project's visual impact. This visual change can have either a positive or negative impact. Therefore, aesthetic effects must be considered when designing barrier systems.

#### Path Mitigation Techniques

Once established, only reflection, diffraction insulation or dissipation can modify an airborne sound field. In other words, it is necessary to increase the distance from the source or to use some form of solid object to either destroy part of the sound energy by absorption, or to redirect part of the energy by wave deflection. The three techniques for path mitigation are therefore:

Distance

## 8.4 Equipment Predicated Noise Emissions

Reflection

Absorption

Enclose especially Noisy Activities or Stationary Equipment

Enclosures can provide a 10 to 20 dBA sound reduction. Additionally the visual impact of roadwork activities has an affect on how construction sounds are perceived. An important noise mitigation issue, therefore, is the audio-visual sensing factor. Enclosures address both the absolute audio and the visual perception issue, Figure 7.

Example Specifications

*All jackhammers and pavement breakers used at the construction site shall be enclosed with shields, acoustical barrier enclosures, or noise barriers.*

Figure 7. Slurry Plant Enclosure for Audio-Visual and Dust Control

## Conclusions

A significant number of future construction projects will involve urban work. Therefore, it is important that before contracts are advertised and bid that there be an objective assessment as to the magnitude of noise nuisances. Noise problems are normally caused by the operation of heavy equipment. The identification of methods and techniques for mitigating such nuisances is a critical planning requirement for both owners and contractors.

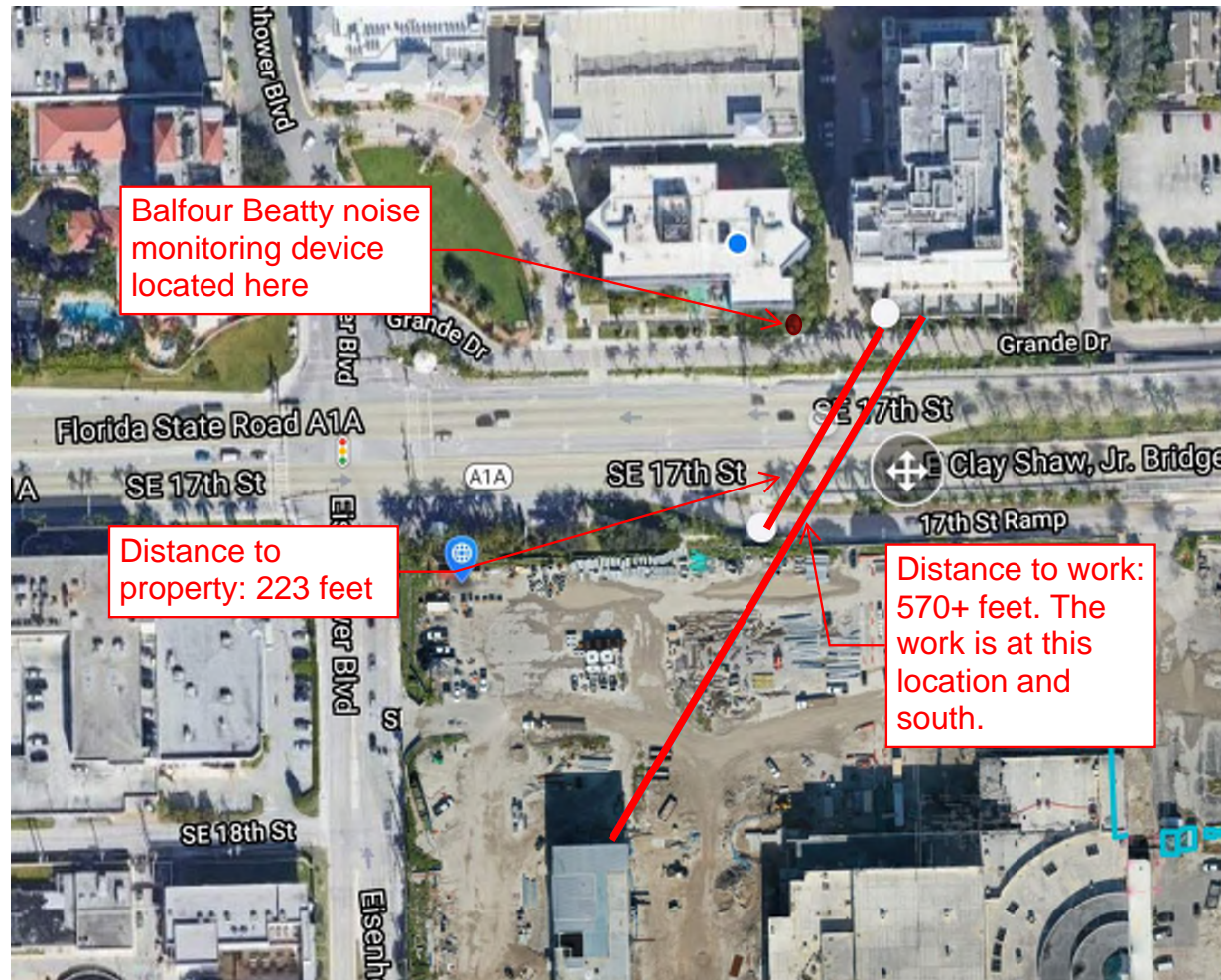
**Source control** is the most effective method of controlling construction noise. Source controls, which limit noise, are the easiest to oversee on a construction project. Mitigation at the source reduces the problem everywhere not just along one single path or for one receiver. The specification of equipment *noise emission limits* forces the use of modern equipment having better engine insulation and mufflers.

**Path Controls** are the second line of attack in controlling noise. Barriers can provide a substantial reduction in the nuisance effect in some cases. The use of barriers should be examined against other possible measures to prove that they are cost effective. Further, aesthetic effects must be considered when designing barrier systems. Path control measures include:

- Move equipment farther away from the receiver
- Enclose especially noisy activities or stationary equipment
- Erect noise barriers or curtains
- Use landscaping as a shield and dissipater

## 8.4 Equipment Predicated Noise Emissions

# BCCCH - Distance to Condo



**Balfour Beatty**

## 8.5 Distance to Condo Map

Start

12/05/2020



12:00 AM



End

12/09/2020



11:59 PM

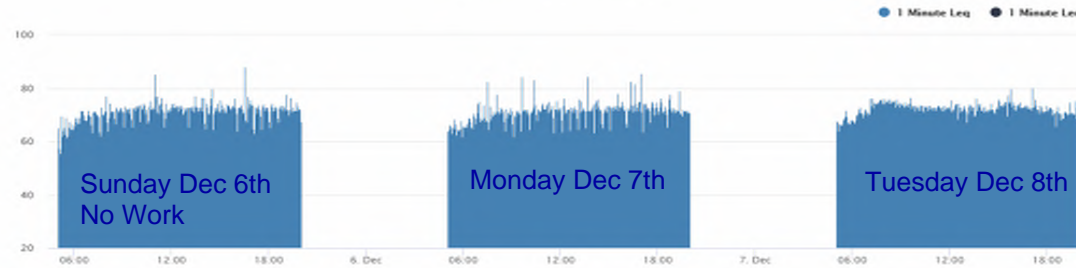


SEARCH

EXPORT

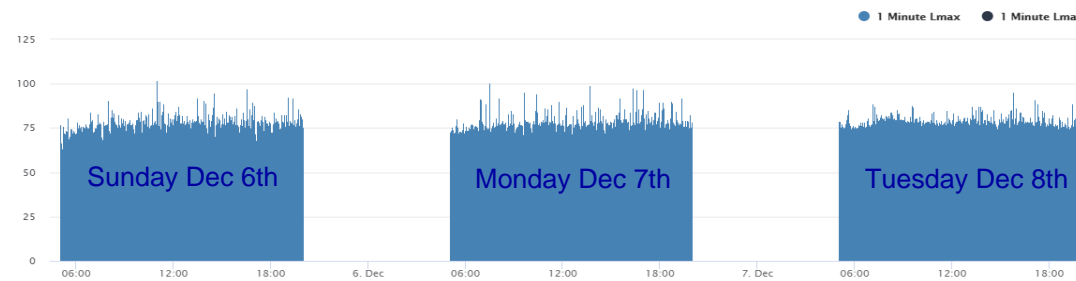
SHOW DATA

Noise Meter - 1 Minute Leq

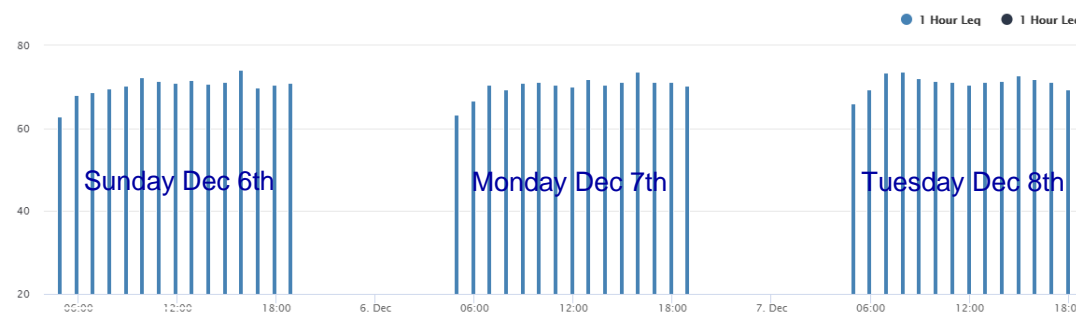


SHOW DATA

Noise Meter - 1 Minute Lmax












































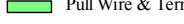
































Noise Meter - 1 Hour Leq



## 8.5 Noise Monitoring Report

# BCCCH - Civil Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:28

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<div> <b>Broward County Convention Center - West Expansion</b></div>																	
<div> <b>West Expansion</b></div>																	
<div> <b>GMP No. 1 - Warehouse Demo &amp; Utility Re-Alignment</b></div>																	
<div> <b>Lift Station</b></div>																	
 WE1-695	Install Lift Station Pumps / Components	28-Dec-20	04-Jan-21	5	5	 Install Lift Station Pumps / Components											
 WE1-785	Install New Conduit from Existing Power Pole to New Lift Station Transformer Pad	29-Dec-20	09-Jan-21	10	10	 Install New Conduit from Existing Power Pole to New Lift Station Transformer Pad											
 WE1-1085	Install Lift Station Pumps / Components	05-Jan-21	12-Jan-21	7	7	 Install Lift Station Pumps / Components											
 WE1-1360	Lift Station As-Built	06-Jan-21	12-Jan-21	5	5	 Lift Station As-Built											
 WE1-875	Set Transformer Pad	11-Jan-21	11-Jan-21	1	1	 Set Transformer Pad											
 WE1-1380	Survey Conduits / Develop Easment Paperwork	11-Jan-21	12-Jan-21	2	2	 Survey Conduits / Develop Easment Paperwork											
 WE1-895	Inspect New Conduit / Transformer & Pad	12-Jan-21	12-Jan-21	1	1	 Inspect New Conduit / Transformer & Pad											
 WE1-905	Schedule FPL Installation Crew	13-Jan-21	09-Mar-21	40	40	 Schedule FPL Installation Crew											
 WE1-1350	Terminate Temp Power to Lift Pump	13-Jan-21	13-Jan-21	1	1	 Terminate Temp Power to Lift Pump											
 WE1-1390	FPL Submit Easement Paperwork to County	13-Jan-21	13-Jan-21	1	1	 FPL Submit Easement Paperwork to County											
 WE1-1110	County / Port / Engineer Witness Start-up	14-Jan-21	14-Jan-21	1	1	 County / Port / Engineer Witness Start-up											
 WE1-1120	Start-up Existing Lift Station	14-Jan-21		0	0	 Start-up Existing Lift Station											
 WE1-1400	County Review / Approve Easement	14-Jan-21	25-Jan-21	10	10	 County Review / Approve Easement											
 WE1-1090	Submit Certification / Approval Letter to DEP	15-Jan-21	20-Jan-21	4	4	 Submit Certification / Approval Letter to DEP											
 WE1-1100	DEP Approval	21-Jan-21	03-Feb-21	10	10	 DEP Approval											
 WE1-935	New Lift Station In Service		03-Feb-21	0	0	 New Lift Station In Service											
 WE1-640	Remove / Backfill Existing Lift Station	04-Feb-21	09-Feb-21	5	5	 Remove / Backfill Existing Lift Station											
 WE1-730	Set new Transformer	10-Mar-21	10-Mar-21	1	1	 Set new Transformer											
 WE1-915	Pull Wire & Terminate Transformer (By FPL)	11-Mar-21	24-Mar-21	10	10	 Pull Wire & Terminate Transformer (By FPL)											
 WE1-955	Site Temporary Power	18-Mar-21	29-Mar-21	10	10	 Site Temporary Power											
 WE1-945	Terminate Permanent Power to Lift Pump	25-Mar-21	25-Mar-21	1	1	 Terminate Permanent Power to Lift Pump											
 WE1-705	Start Up Existing Sewer to New Lift Station	26-Mar-21	31-Mar-21	5	5	 Start Up Existing Sewer to New Lift Station											
<div> <b>Sewer</b></div>																	
 WE2-8770	Set Underground Fuel Tanks	19-Mar-21	29-Apr-21	30	30	 Set Underground Fuel Tanks											
 WE1-1130	Engineer Approval	01-Apr-21	07-Apr-21	5	5	 Engineer Approval											
 WE1-1140	DEP Approval	08-Apr-21	21-Apr-21	10	10	 DEP Approval											
 WE1-1150	County Approval	22-Apr-21	05-May-21	10	10	 County Approval											
 WE2-8810	Backfill	30-Apr-21	06-May-21	5	5	 Backfill											
<div> <b>Storm</b></div>																	
 WE1-835	Install Storm Structures & Pipe E to D	30-Dec-20	06-Jan-21	5	5	 Install Storm Structures & Pipe E to D											
 WE1-1420	Install Storm Structures & Pipe 10 to 11	30-Dec-20	06-Jan-21	5	5	 Install Storm Structures & Pipe 10 to 11											
 WE1-845	Install Storm Structures & Pipe D to C	07-Jan-21	13-Jan-21	5	5	 Install Storm Structures & Pipe D to C											
 WE1-970	Install Storm Structures & Pipe 11 to 12	07-Jan-21	13-Jan-21	5	5	 Install Storm Structures & Pipe 11 to 12											
 WE1-940	Install Storm Structures & Pipe 15	14-Jan-21	20-Jan-21	5	5	 Install Storm Structures & Pipe 15											
 WE1-920	Install Storm Structures & Pipe 0-1 to 0-2	21-Jan-21	27-Jan-21	5	5	 Install Storm Structures & Pipe 0-1 to 0-2											
 WE1-930	Install Storm Structures & Pipe 16 to 4	21-Jan-21	27-Jan-21	5	5	 Install Storm Structures & Pipe 16 to 4											

Balfour Beatty



Remaining Level of Effort  
Actual Level of Effort  
Actual Work  
Remaining Work  
Critical Remaining Work  
Milestone



BCCCH - Civil Remaining Work in 2021

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021																		
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
WE1-950	Install Storm Structures & Pipe 14 to 13	28-Jan-21	03-Feb-21	5	5				Install Storm Structures & Pipe 14 to 13															
WE1-765	Install Storm Structures & Pipe W-1 to I	25-Feb-21	03-Mar-21	5	5					Install Storm Structures & Pipe W-1 to I														
WE1-1060	Install Trench Drains and R-Tanks Outside Area B	04-Mar-21	24-Mar-21	15	15					Install Trench Drains and R-Tanks Outside Area B														
WE1-1070	Install Trench Drains and R-Tanks Outside Area C	25-Mar-21	14-Apr-21	15	15						Install Trench Drains and R-Tanks Outside Area C													
WE1-1080	Install Trench Drains and R-Tanks Outside Area D	15-Apr-21	05-May-21	15	15							Install Trench Drains and R-Tanks Outside Area D												
WE1-1160	Engineering Approval / Drainage	06-May-21	03-Jun-21	20	20							Engineering Approval / Drainage												
WE1-1170	County Inspections / Approval / Drainage	04-Jun-21	01-Jul-21	20	20								County Inspections / Approval / Drainage											
Domestic Water																								
WE1-830	Install 10" Water Main @ South End in to Lift Station	18-Jan-21	22-Jan-21	5	5				Install 10" Water Main @ South End in to Lift Station															
WE1-700	Flush / Chlorinate / Bac Testing	19-Jan-21	25-Jan-21	5	5				Flush / Chlorinate / Bac Testing															
WE1-840	Engineer Approval for Lift Station Water	26-Jan-21	01-Feb-21	5	5				Engineer Approval for Lift Station Water															
WE1-850	DEP Approval for Lift Station Water	02-Feb-21	01-Mar-21	20	20				DEP Approval for Lift Station Water															
WE1-860	County Approval for lift Station Water	02-Mar-21	15-Mar-21	10	10					County Approval for lift Station Water														
WE1-1190	Install 10" Water Main Lift Station to 1st Fire Hydrant	16-Mar-21	29-Mar-21	10	10					Install 10" Water Main Lift Station to 1st Fire Hydrant														
WE1-1200	Install 10" Water Main 1st to 2nd Fire Hydrant	30-Mar-21	12-Apr-21	10	10						Install 10" Water Main 1st to 2nd Fire Hydrant													
WE1-1210	Install 10" Water Main 2nd to 3rd Fire Hydrant	13-Apr-21	26-Apr-21	10	10							Install 10" Water Main 2nd to 3rd Fire Hydrant												
WE1-1220	Install 10" Water Main 3rd Fire Hydrant to Hotel Meter Vaults	27-Apr-21	10-May-21	10	10							Install 10" Water Main 3rd Fire Hydrant to Hotel Meter Vaults												
WE1-1230	Install Water / Fire Stubs for Hotel	11-May-21	24-May-21	10	10							Install Water / Fire Stubs for Hotel												
WE1-1240	Flush / Chlorinate / Bac Testing	25-May-21	08-Jun-21	10	10							Flush / Chlorinate / Bac Testing												
WE1-1250	Engineering Approval - Domestic Water	09-Jun-21	15-Jun-21	5	5								Engineering Approval - Domestic Water											
WE1-1260	DEP Approval - Domestic Water	16-Jun-21	14-Jul-21	20	20								DEP Approval - Domestic Water											
WE1-1270	County Approval - Domestic Water	15-Jul-21	28-Jul-21	10	10									County Approval - Domestic Water										
20th Street																								
Sewer																								
WE1-1095	Backfill Force Main	31-Dec-20	02-Jan-21	2	2				Backfill Force Main															
WE1-1105	Pressure Test Force Main	31-Dec-20	02-Jan-21	2	2				Pressure Test Force Main															
Storm																								
WE1-900	Install Storm Structures & Pipe 0-4 to 0-3 (20th Street)	30-Dec-20	13-Jan-21	10	10				Install Storm Structures & Pipe 0-4 to 0-3 (20th Street)															
WE1-910	Install Storm Structures & Pipe 0-3 to 0-2 (20th Street)	14-Jan-21	20-Jan-21	5	5				Install Storm Structures & Pipe 0-3 to 0-2 (20th Street)															
WE1-885	Install Storm Structures & Pipe W-3 to W-4 (20th Street)	21-Jan-21	03-Feb-21	10	10				Install Storm Structures & Pipe W-3 to W-4 (20th Street)															
WE1-650	Install Storm Structures & Pipe W-3 to W-2 (20th Street)	04-Feb-21	17-Feb-21	10	10				Install Storm Structures & Pipe W-3 to W-2 (20th Street)															
WE1-660	Install Storm Structures & Pipe W-2 to W-1 (20th Street)	18-Feb-21	24-Feb-21	5	5				Install Storm Structures & Pipe W-2 to W-1 (20th Street)															
Domestic Water																								
WE1-680	Cut in Ex. 10" @ South End (20th street)	04-Jan-21	08-Jan-21	5	5				Cut in Ex. 10" @ South End (20th street)															
WE1-670	Install Water/Fire supply/ Meter Vaults West Convention (20th Street)	04-Jan-21	09-Jan-21	6	6				Install Water/Fire supply/ Meter Vaults West Convention (20th Street)															
WE1-690	Install 10" Water Main @ South End in Street (20th Street)	11-Jan-21	15-Jan-21	5	5				Install 10" Water Main @ South End in Street (20th Street)															
Gas																								
WE1-800	New Gas Line	26-Jan-21	22-Feb-21	20	20				New Gas Line															
GMP No. 2 - West Expansion																								
Construction																								
Civil / Site																								
Plaza Area - Northeast																								



■ Remaining Level of Effort

■ Actual Level of Effort

■ Actual Work

■ Remaining Work

■ Critical Remaining Work

◆ Milestone

# BCCCH - Civil Remaining Work in 2021

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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Balfour Beatty



Remaining Level of Effort  
Actual Level of Effort  
Actual Work  
Remaining Work  
Critical Remaining Work  
Milestone



BCCCH - Concrete Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:19

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Broward County Convention Center - West Expansion																			
West Expansion																			
West Expansion Construction Milestones																			
PM-080	CEP Slab Placed		05-Jan-21	0	0			◆ CEP Slab Placed											
PM-010	Start SOG Activities	03-Feb-21		0	0			◆ Start SOG Activities											
GMP No. 2 - West Expansion																			
Construction - West West																			
Structure																			
Area A - Grid Lines WK, WJ, WI																			
W19 - W15																			
Ground Level																			
WE2-7173	Form SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]	10-Feb-21	16-Feb-21	5	5			Form SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]											
WE2-7175	Place Rebar for SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]	17-Feb-21	23-Feb-21	5	5			Place Rebar for SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]											
WE2-7177	Pour SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]	24-Feb-21	24-Feb-21	1	1			Pour SOG - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]											
W15 - W11																			
Ground Level																			
WE2-7185	Form SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]	10-Feb-21	16-Feb-21	5	5					Form SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]									
WE2-7187	Place Rebar for SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]	17-Feb-21	23-Feb-21	5	5			Place Rebar for SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]											
WE2-7189	Pour SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]	24-Feb-21	24-Feb-21	1	1			Pour SOG - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]											
Area B - Grid Lines WK, WJ, WI																			
W11 - W10																			
Ground Level																			
WE2-7207	Form SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]	15-Feb-21	17-Feb-21	3	3			Form SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]											
WE2-7209	Place Rebar for SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]	18-Feb-21	22-Feb-21	3	3			Place Rebar for SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]											
WE2-7211	Pour SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]	24-Feb-21	24-Feb-21	1	1			Pour SOG - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]											
W10 - W9																			
Ground Level																			
WE2-7223	Form SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]	15-Feb-21	17-Feb-21	3	3					Form SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]									
WE2-7225	Place Rebar for SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]	18-Feb-21	22-Feb-21	3	3			Place Rebar for SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]											
WE2-7227	Pour SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]	25-Feb-21	25-Feb-21	1	1			Pour SOG - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]											
W9 - W8.6																			
Ground Level																			
WE2-7239	Form SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]	15-Feb-21	17-Feb-21	3	3					Form SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]									
WE2-7241	Place Rebar for SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]	18-Feb-21	22-Feb-21	3	3			Place Rebar for SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]											



Remaining Level of Effort

Actual Level of Effort

Actual Work












































Remaining Work

Critical Remaining Work

Milestone

BCCCH - Concrete Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:19

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
 WE2-7243	Pour SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]	25-Feb-21	25-Feb-21	1	1					Pour SOG - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]									
 <b>Area C - Grid Lines WK, WJ, WI</b>																			
 <b>W8.6 - W8</b>																			
 <b>Ground Level</b>																			
 WE2-7255	Form SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]	22-Feb-21	24-Feb-21	3	3						 Form SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]								
 WE2-7257	Place Rebar for SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]	25-Feb-21	01-Mar-21	3	3						 Place Rebar for SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]								
 WE2-7259	Pour SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]	02-Mar-21	02-Mar-21	1	1							Pour SOG - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]							
 <b>W8 - W6</b>																			
 <b>Ground Level</b>																			
 WE2-7271	Form SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]	22-Feb-21	24-Feb-21	3	3							 Form SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]							
 WE2-7273	Place Rebar for SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]	25-Feb-21	01-Mar-21	3	3							 Place Rebar for SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]							
 WE2-7275	Pour SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]	02-Mar-21	02-Mar-21	1	1							Pour SOG - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]							
 <b>W6 - W5</b>																			
 <b>Ground Level</b>																			
 WE2-7287	Form SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]	22-Feb-21	24-Feb-21	3	3							 Form SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]							
 WE2-7289	Place Rebar for SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]	25-Feb-21	01-Mar-21	3	3							 Place Rebar for SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]							
 WE2-7291	Pour SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]	02-Mar-21	02-Mar-21	1	1							Pour SOG - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]							
 <b>Area D - Grid Lines WK, WJ, WI</b>																			
 <b>W5 - W4</b>																			
 <b>Ground Level</b>																			
 WE2-7303	Form SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]	01-Mar-21	03-Mar-21	3	3							 Form SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]							
 WE2-7305	Place Rebar for SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]	04-Mar-21	08-Mar-21	3	3							 Place Rebar for SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]							
 WE2-7307	Pour SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]	09-Mar-21	09-Mar-21	1	1								Pour SOG - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]						
 <b>W4.2 - W4 (Low Roof)</b>																			
 WE2-3236	Form Deck - Area D Grid Line W2 - W4 [Roof]	19-Feb-21	19-Feb-21	1	1								Form Deck - Area D Grid Line W2 - W4 [Roof]						
 WE2-3239	Lightweight - Area D Grid Line W2 - W4 [Roof]	22-Feb-21	22-Feb-21	1	1								Lightweight - Area D Grid Line W2 - W4 [Roof]						
 WE2-3249	Fireproofing - Area D Grid Line W2 - W4 [Roof]	23-Feb-21	01-Mar-21	5	5							 Fireproofing - Area D Grid Line W2 - W4 [Roof]							
 <b>W4 - W2.8</b>																			
 <b>Ground Level</b>																			
 WE2-7319	Form SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]	01-Mar-21	03-Mar-21	3	3							 Form SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]							
 WE2-7321	Place Rebar for SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]	04-Mar-21	08-Mar-21	3	3							 Place Rebar for SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]							
 WE2-7323	Pour SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]	09-Mar-21	09-Mar-21	1	1								Pour SOG - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]						



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

# BCCCH - Concrete Remaining Work in 2021

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021															
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
<div><div></div><div>Low Roof</div></div>								Lightweight - Area D Grid Line W4 - W2.8 [Roof]													
<div><div></div></div> WE2-14162	Lightweight - Area D Grid Line W4 - W2.8 [Roof]	24-Feb-21	24-Feb-21	1	1			<div><div></div> Fireproofing - Area D Grid Line W4 - W2.8 [Roof]</div>													
<div><div></div></div> WE2-14172	Fireproofing - Area D Grid Line W4 - W2.8 [Roof]	25-Feb-21	03-Mar-21	5	5																
<div><div></div><div>Construction</div></div>																					
<div><div></div><div>Foundation</div></div>																					
<div><div></div><div>Existing Area (E+F+G+H) - Grid Lines WG - WF</div></div>																					
<div><div></div><div>Area H - WG - WF</div></div>																					
<div><div></div></div> WE2-43171	FRP Shear Wall 6th Lift - Area H	05-Jan-21	09-Jan-21	5	5			<div><div></div> FRP Shear Wall 6th Lift - Area H</div>													
<div><div></div><div>Structure</div></div>																					
<div><div></div><div>Existing Area (E+F+G+H) - Grid Lines WG - WF</div></div>																					
<div><div></div><div>Area F - WG - WF</div></div>																					
<div><div></div><div>W11 - W10</div></div>																					
<div><div></div><div>Level 3</div></div>																					
<div><div></div></div> WE2-48921	Place Rebar on Deck - Area F Grid Line W11 - W10 [Level 3]	06-Jan-21	12-Jan-21	5	5					<div><div></div> Place Rebar on Deck - Area F Grid Line W11 - W10 [Level 3]</div>											
<div><div></div></div> WE2-48311	Pour Deck - Area F Grid Line W11 - W10 [Level 3]	22-Jan-21	22-Jan-21	1	1			Pour Deck - Area F Grid Line W11 - W10 [Level 3]													
<div><div></div><div>W10 - W9</div></div>																					
<div><div></div><div>Level 3</div></div>																					
<div><div></div></div> WE2-48941	Frame Deck - Area F Grid Line W10 - W9 [Level 3]	12-Jan-21	18-Jan-21	5	5					<div><div></div> Frame Deck - Area F Grid Line W10 - W9 [Level 3]</div>											
<div><div></div></div> WE2-48951	Place Rebar on Deck - Area F Grid Line W10 - W9 [Level 3]	15-Jan-21	21-Jan-21	5	5	<div><div></div> Place Rebar on Deck - Area F Grid Line W10 - W9 [Level 3]</div>															
<div><div></div></div> WE2-48351	Pour Deck - Area F Grid Line W10 - W9 [Level 3]	22-Jan-21	22-Jan-21	1	1	Pour Deck - Area F Grid Line W10 - W9 [Level 3]															
<div><div></div><div>Area G - WG - WF</div></div>																					
<div><div></div><div>W9 - W8</div></div>																					
<div><div></div><div>Level 3</div></div>																					
<div><div></div></div> WE2-49121	Frame Deck - Area G Grid Line W8.6 - W8 [Level 3]	21-Jan-21	27-Jan-21	5	5	<div><div></div> Frame Deck - Area G Grid Line W8.6 - W8 [Level 3]</div>															
<div><div></div></div> WE2-49131	Place Rebar on Deck - Area G Grid Line W8.6 - W8 [Level 3]	26-Jan-21	01-Feb-21	5	5	<div><div></div> Place Rebar on Deck - Area G Grid Line W8.6 - W8 [Level 3]</div>															
<div><div></div></div> WE2-48531	Pour Deck - Area G Grid Line W8.6 - W8 [Level 3]	15-Feb-21	15-Feb-21	1	1	Pour Deck - Area G Grid Line W8.6 - W8 [Level 3]															
<div><div></div><div>W8 - W6</div></div>																					
<div><div></div><div>Level 3</div></div>																					
<div><div></div></div> WE2-49151	Frame Deck - Area G Grid Line W8 - W6 [Level 3]	02-Feb-21	08-Feb-21	5	5					<div><div></div> Frame Deck - Area G Grid Line W8 - W6 [Level 3]</div>											
<div><div></div></div> WE2-49161	Place Rebar on Deck - Area G Grid Line W8 - W6 [Level 3]	08-Feb-21	12-Feb-21	5	5	<div><div></div> Place Rebar on Deck - Area G Grid Line W8 - W6 [Level 3]</div>															
<div><div></div></div> WE2-48571	Pour Deck - Area G Grid Line W8 - W6 [Level 3]	15-Feb-21	15-Feb-21	1	1	Pour Deck - Area G Grid Line W8 - W6 [Level 3]															
<div><div></div><div>W6 - W5</div></div>																					
<div><div></div><div>Level 3</div></div>																					
<div><div></div></div> WE2-49181	Frame Deck - Area G Grid Line W6 - W5 [Level 3]	17-Feb-21	23-Feb-21	5	5					<div><div></div> Frame Deck - Area G Grid Line W6 - W5 [Level 3]</div>											
<div><div></div></div> WE2-49191	Place Rebar on Deck - Area G Grid Line W6 - W5 [Level 3]	22-Feb-21	26-Feb-21	5	5	<div><div></div> Place Rebar on Deck - Area G Grid Line W6 - W5 [Level 3]</div>															



Remaining Level of Effort  
Actual Level of Effort  
Actual Work  
Remaining Work  
Critical Remaining Work  
Milestone

BCCCH - Concrete Remaining Work in 2021

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WE2-48611	Pour Deck - Area G Grid Line W6 - W5 [Level 3]	25-Mar-21	25-Mar-21	1	1	Pour Deck - Area G Grid Line W6 - W5 [Level 3]												
Area H - WG - WF																		
W5 - W4																		
Level 3																		
WE2-49211	Frame Deck - Area H Grid Line W5 - W4 [Level 3]	04-Mar-21	10-Mar-21	5	5		Frame Deck - Area H Grid Line W5 - W4 [Level 3]											
WE2-49221	Place Rebar on Deck - Area H Grid Line W5 - W4 [Level 3]	09-Mar-21	15-Mar-21	5	5		Place Rebar on Deck - Area H Grid Line W5 - W4 [Level 3]											
WE2-48651	Pour Deck - Area H Grid Line W5 - W4 [Level 3]	25-Mar-21	25-Mar-21	1	1		Pour Deck - Area H Grid Line W5 - W4 [Level 3]											
W4 - W2.8																		
Level 3																		
WE2-49241	Frame Deck - Area H Grid Line W4 - W2.8 [Level 3]	15-Mar-21	19-Mar-21	5	5		Frame Deck - Area H Grid Line W4 - W2.8 [Level 3]											
WE2-49251	Place Rebar on Deck - Area H Grid Line W4 - W2.8 [Level 3]	18-Mar-21	24-Mar-21	5	5	Place Rebar on Deck - Area H Grid Line W4 - W2.8 [Level 3]												
WE2-48691	Pour Deck - Area H Grid Line W4 - W2.8 [Level 3]	25-Mar-21	25-Mar-21	1	1	Pour Deck - Area H Grid Line W4 - W2.8 [Level 3]												
Exhibition Hall - Long Span																		
Area A - WI - WH																		
W17 - W15																		
Level 3																		
WE2-47123	Place Rebar Deck - Long Span Area A Grid Lines W17 - W15 [Level 3]	04-Jan-21	06-Jan-21	3	3	Place Rebar Deck - Long Span Area A Grid Lines W17 - W15 [Level 3]												
WE2-47127	Pour Deck - Long Span Area A Grid Lines W17 - W15 [Level 3]	07-Jan-21	07-Jan-21	1	1	Pour Deck - Long Span Area A Grid Lines W17 - W15 [Level 3]												
W15 - W11																		
Level 3																		
WE2-4520	Pour Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]	05-Jan-21	05-Jan-21	1	1	Pour Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]												
WE2-4525	Form / Pour Floating Slab - Long Span Area A Grid Lines W16.5 - W14 [Level 3]	07-Jan-21	12-Jan-21	5	5	Form / Pour Floating Slab - Long Span Area A Grid Lines W16.5 - W14 [Level 3]												
WE2-4530	Cure Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]	13-Jan-21	18-Jan-21	6	6	Cure Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]												
WE2-4531	Seal Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]	19-Jan-21	19-Jan-21	1	1	Seal Deck - Long Span Area A Grid Lines W15 - W11 [Level 3]												
Area B - WI - WH																		
W11 - W10																		
Level 3 (Roof)																		
WE2-48861	Place Rebar Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	28-Jan-21	03-Feb-21	5	5	Place Rebar Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]												
WE2-48851	Frame Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	29-Jan-21	02-Feb-21	3	3	Frame Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]												
WE2-4600	Pour Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	04-Feb-21	04-Feb-21	1	1	Pour Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]												
W10 - W9																		
Level 3 (Roof)																		
WE2-48891	Place Rebar Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]	18-Jan-21	22-Jan-21	5	5	Place Rebar Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]												
WE2-48881	Frame Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]	20-Jan-21	22-Jan-21	3	3	Frame Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]												



Remaining Level of Effort

Actual Level of Effort

Actual Work






































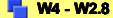















Remaining Work

Critical Remaining Work

Milestone

BCCCH - Concrete Remaining Work in 2021

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
 WE2-42881	Pour Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]	25-Jan-21	25-Jan-21	1	1		 Pour Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]											
																		
																		
																		
 WE2-49041	Place Rebar Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	29-Jan-21	04-Feb-21	5	5		 Place Rebar Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]											
 WE2-49031	Frame Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	02-Feb-21	08-Feb-21	5	5		 Frame Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]											
 WE2-4680	Pour Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	09-Feb-21	09-Feb-21	1	1		 Pour Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]											
																		
																		
 WE2-49071	Place Rebar Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	17-Feb-21	23-Feb-21	5	5		 Place Rebar Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]											
 WE2-49061	Frame Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	19-Feb-21	25-Feb-21	5	5		 Frame Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]											
 WE2-42941	Pour Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	11-Mar-21	11-Mar-21	1	1		 Pour Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]											
																		
																		
 WE2-49101	Place Rebar Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	02-Mar-21	08-Mar-21	5	5		 Place Rebar Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]											
 WE2-49091	Frame Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	04-Mar-21	10-Mar-21	5	5		 Frame Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]											
 WE2-42971	Pour Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	11-Mar-21	11-Mar-21	1	1		 Pour Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]											
																		
																		
																		
 WE2-49271	Frame Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	12-Mar-21	18-Mar-21	5	5		 Frame Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
 WE2-49281	Place Rebar Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	17-Mar-21	23-Mar-21	5	5		 Place Rebar Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
 WE2-4780	Pour Deck D - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	24-Mar-21	24-Mar-21	1	1		 Pour Deck D - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
																		
																		
 WE2-49301	Frame Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]	29-Apr-21	05-May-21	5	5	 Frame Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]												
 WE2-49311	Place Rebar Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]	04-May-21	10-May-21	5	5	 Place Rebar Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]												
 WE2-4840	Pour Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]	11-May-21	11-May-21	1	1	 Pour Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]												
																		
																		
 WE2-46791	FRP SOG - Area A New Loading Dock	19-Jan-21	21-Jan-21	3	3	 FRP SOG - Area A New Loading Dock												
																		
 WE2-47311	FRP SOG - Area B New Loading Dock	22-Jan-21	26-Jan-21	3	3	 FRP SOG - Area B New Loading Dock												
																		



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

BCCCH - Concrete Remaining Work in 2021

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<div><div></div> WE2-47471</div>	FRP SOG - Area C New Loading Dock	27-Jan-21	29-Jan-21	3	3			<div><div></div> FRP SOG - Area C New Loading Dock</div>											
<div><div></div> Area D</div>																			
<div><div></div> WE2-47631</div>	FRP SOG - Area D New Loading Dock	01-Feb-21	03-Feb-21	3	3			<div><div></div> FRP SOG - Area D New Loading Dock</div>											
<div><div></div> Interiors &amp; Systems</div>																			
<div><div></div> Exhibit Halls (A+B+C)</div>																			
<div><div></div> Existing Convention / Exhibit Spaces</div>																			
<div><div></div> Concessions 1.I.01</div>																			
<div><div></div> WE2-45281</div>	FRP-1 Walls - Concessions 1.I.01	08-Jan-21	13-Jan-21	4	4			<div><div></div> FRP-1 Walls - Concessions 1.I.01</div>											
<div><div></div> Concessions 1.K.02</div>																			
<div><div></div> WE2-45901</div>	FRP-1 - Concessions 1.K.01	08-Apr-21	13-Apr-21	4	4			<div><div></div> FRP-1 - Concessions 1.K.01</div>											
<div><div></div> Exhibit Hall C</div>																			
<div><div></div> Exhibit Hall C - Underground &amp; SOG</div>																			
<div><div></div> WE2-43341</div>	FRP SOG - Exhibit Hall C	06-May-21	26-May-21	15	15			<div><div></div> FRP SOG - Exhibit Hall C</div>											
<div><div></div> Exhibit Hall C - Interior Build-out</div>																			
<div><div></div> Fire Pump Room 1A08</div>																			
<div><div></div> WE2-4811</div>	FRP Housekeeping Pads - Fire Pump Room [Level 1]	15-Feb-21	19-Feb-21	5	5			<div><div></div> FRP Housekeeping Pads - Fire Pump Room [Level 1]</div>											
<div><div></div> FPL Vault 1A06</div>																			
<div><div></div> WE2-7627</div>	Pour Ramp - FPL Vault Ramp	06-Jan-21	06-Jan-21	1	1			<div><div></div> Pour Ramp - FPL Vault Ramp</div>											
<div><div></div> WE2-7359</div>	Form Slab - FPL Vault	07-Jan-21	08-Jan-21	2	2			<div><div></div> Form Slab - FPL Vault</div>											
<div><div></div> WE2-7361</div>	Place Rebar - FPL Vault	09-Jan-21	14-Jan-21	5	5			<div><div></div> Place Rebar - FPL Vault</div>											
<div><div></div> WE2-7363</div>	Pour Slab - FPL Vault	15-Jan-21	15-Jan-21	1	1			<div><div></div> Pour Slab - FPL Vault</div>											
<div><div></div> Exhibit Hall B</div>																			
<div><div></div> Exhibit Hall B - Underground &amp; SOG</div>																			
<div><div></div> WE2-7385</div>	FRP SOG - Exhibit Hall B	27-May-21	17-Jun-21	15	15			<div><div></div> FRP SOG - Exhibit Hall B</div>											
<div><div></div> Exhibit Hall A</div>																			
<div><div></div> Exhibit Hall A - Underground &amp; SOG</div>																			
<div><div></div> WE2-7407</div>	FRP SOG - Exhibit Hall A	18-Jun-21	09-Jul-21	15	15			<div><div></div> FRP SOG - Exhibit Hall A</div>											
<div><div></div> CEP</div>																			
<div><div></div> Generator Room (3.A.10)</div>																			
<div><div></div> WE2-5255</div>	FRP Housekeeping Pads - Generator Room	04-Jan-21	05-Jan-21	2	2			<div><div></div> FRP Housekeeping Pads - Generator Room</div>											
<div><div></div> Switchgear Room (3.A.06) (3.A.01) (3.A.11)</div>																			
<div><div></div> WE2-5425</div>	Layout Housekeeping Pads - Switchgear Room	12-Jan-21	18-Jan-21	5	5			<div><div></div> Layout Housekeeping Pads - Switchgear Room</div>											
<div><div></div> WE2-5445</div>	FRP Housekeeping Pads - Switchgear Room	26-Jan-21	01-Feb-21	5	5			<div><div></div> FRP Housekeeping Pads - Switchgear Room</div>											
<div><div></div> Chiller Room</div>																			
<div><div></div> WE2-5135</div>	Layout / FRP Housekeeping Pads - Chiller Room	04-Feb-21	09-Feb-21	5	5			<div><div></div> Layout / FRP Housekeeping Pads - Chiller Room</div>											



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone



BCCCH - Mechanical 2021 Work

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												2022
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Broward County Convention Center - West Expansion																		
West Expansion																		
West Expansion Construction Milestones																		
PM-150	Chilled Water Complete		01-Jun-21	0	0	◆ Chilled Water Complete												
PM-170	Conditioned Air		02-Jun-21	0	0	◆ Conditioned Air												
GMP No. 2 - West Expansion																		
Construction																		
Building Envelope																		
Roof																		
Area A - Low Roof																		
WE2-5580	Mechanical Supports - Area A [Low Roof]	22-Dec-20	16-Jan-21	20	20	Mechanical Supports - Area A [Low Roof]												
WE2-5540	Mechanical Equipment / RTU'S / Other Sections - Area A [Low Roof]	18-Jan-21	12-Feb-21	20	20	Mechanical Equipment / RTU'S / Other Sections - Area A [Low Roof]												
WE2-5585	Set Cooling Tower - Area A [Low Roof]	18-Jan-21	22-Jan-21	5	5	Set Cooling Tower - Area A [Low Roof]												
Area D																		
WE2-6020	Mechanical Supports - Area D [Roof]	24-Mar-21	06-Apr-21	10	10	Mechanical Supports - Area D [Roof]												
Interiors & Systems																		
Exhibit Halls (A+B+C)																		
Existing Convention / Exhibit Spaces																		
Concessions 1.I.01																		
WE2-45131	Install Fan Coils - Concessions 1.I.01	31-Dec-20	05-Jan-21	3	3	Install Fan Coils - Concessions 1.I.01												
Concessions 1.K.02																		
WE2-45741	Install Fan Coil Units - Concessions 1.K.01	19-Mar-21	23-Mar-21	3	3	Install Fan Coil Units - Concessions 1.K.01												
Exhibit Hall C																		
Exhibit Hall C - Interior Build-out																		
WE2-6420	Overhead Mechanical - Exhibit Hall C	11-Feb-21	03-Mar-21	15	15	Overhead Mechanical - Exhibit Hall C												
WE2-6600	Overhead Mechanical Trim - Exhibit Hall C	04-Jun-21	17-Jun-21	10	10	Overhead Mechanical Trim - Exhibit Hall C												
WE2-6780	MEPF Wall Trim - Exhibit Hall C	12-Jul-21	23-Jul-21	10	10	MEPF Wall Trim - Exhibit Hall C												
WE2-6861	Prep / Seal Concrete - Exhibit Hall C	19-Jul-21	30-Jul-21	10	10	Prep / Seal Concrete - Exhibit Hall C												
WE2-6863	Pre-Punch / Final Clean - Exhibit Hall C	02-Aug-21	06-Aug-21	5	5	Pre-Punch / Final Clean - Exhibit Hall C												
WE2-6865	Sub-Contractor Punch - Exhibit Hall C	09-Aug-21	13-Aug-21	5	5	Sub-Contractor Punch - Exhibit Hall C												
WE2-6867	Owner Punch - Exhibit Hall C	16-Aug-21	19-Aug-21	4	4	Owner Punch - Exhibit Hall C												
WE2-6869	FFE Ready - Exhibit Hall C		19-Aug-21	0	0	◆ FFE Ready - Exhibit Hall C												
Men's Restroom 1A07																		
WE2-13370	Mechanical / HVAC Rough-Ins - Men's Restroom 1A07 [Level 1]	11-Mar-21	24-Mar-21	10	10	Mechanical / HVAC Rough-Ins - Men's Restroom 1A07 [Level 1]												
WE2-13450	Set & Connect FCU's - Men's Restroom 1A07 [Level 1]	13-May-21	19-May-21	5	5	Set & Connect FCU's - Men's Restroom 1A07 [Level 1]												
Fire Pump Room 1A08																		
WE2-4901	Outside Air Supply Ductwork - Fire Pump Room [Level 1]	22-Mar-21	26-Mar-21	5	5	Outside Air Supply Ductwork - Fire Pump Room [Level 1]												
WE2-4931	FCU's - Fire Pump Room [Level 1]	19-Apr-21	23-Apr-21	5	5	FCU's - Fire Pump Room [Level 1]												
FPL Vault 1A06																		
WE2-7155	Install Louvers Level 1 - FPL Vault	16-Jan-21	19-Jan-21	3	3	Install Louvers Level 1 - FPL Vault												
Exhibit Hall B																		
Exhibit Hall B - Interior Build-out																		
WE2-6960	Overhead Mechanical - Exhibit Hall B	04-Mar-21	24-Mar-21	15	15	Overhead Mechanical - Exhibit Hall B												
WE2-7070	Overhead Mechanical Trim - Exhibit Hall B	25-Jun-21	09-Jul-21	10	10	Overhead Mechanical Trim - Exhibit Hall B												
WE2-7100	MEPF Wall Trim - Exhibit Hall B	02-Aug-21	20-Aug-21	15	15	MEPF Wall Trim - Exhibit Hall B												



- Remaining Level of Effort
- Actual Level of Effort
- Actual Work

 Remaining Work Critical Remaining Work

◆

 Milestone

BCCCH - Mechanical 2021 Work

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												22 Jan
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
WE2-7120	Prep / Seal Concrete - Exhibit Hall B	23-Aug-21	03-Sep-21	10	10													
Women' Restroom 1B01																		
WE2-12120	Mechanical / HVAC Rough-Ins - Women Restroom 1B01 [Level 1]	01-Apr-21	14-Apr-21	10	10													
WE2-12210	Set & Connect FCU's - Women Restroom 1B01 [Level 1]	04-Jun-21	10-Jun-21	5	5													
Mens Restroom 1B07																		
WE2-12470	Mechanical / HVAC Rough-Ins - Mens Restroom 1B07 [Level 1]	13-Apr-21	26-Apr-21	10	10													
WE2-12550	Set & Connect FCU's - Mens Restroom 1B07 [Level 1]	16-Jun-21	22-Jun-21	5	5													
Womens Restroom 1B08																		
WE2-12770	Mechanical / HVAC Rough-Ins - Womens Restroom 1B08 [Level 1]	20-Apr-21	03-May-21	10	10													
WE2-12850	Set & Connect FCU's - Womens Restroom 1B08 [Level 1]	23-Jun-21	29-Jun-21	5	5													
Exhibit Hall A																		
Exhibit Hall A - Interior Build-out																		
WE2-7437	Overhead Mechanical - Exhibit Hall A	27-Apr-21	17-May-21	15	15													
WE2-7429	Overhead Mechanical Trim - Exhibit Hall A	19-Jul-21	30-Jul-21	10	10													
WE2-7417	MEPF Wall Trim - Exhibit Hall A	23-Aug-21	13-Sep-21	15	15													
WE2-7461	Prep / Seal Concrete - Exhibit Hall A	07-Sep-21	20-Sep-21	10	10													
Womens Restroom 1C09																		
WE2-13070	Mechanical / HVAC Rough-Ins - Womens Restroom 1C09 [Level 1]	14-May-21	27-May-21	10	10													
WE2-13150	Set & Connect FCU's - Womens Restroom 1C09 [Level 1]	15-Jul-21	21-Jul-21	5	5													
Mens Restroom 1D01																		
WE2-13670	Mechanical / HVAC Rough-Ins - Mens Restroom 1D01 [Level 1]	19-May-21	02-Jun-21	10	10													
WE2-13750	Set & Connect FCU's - Mens Restroom 1D01 [Level 1]	23-Jul-21	29-Jul-21	5	5													
Interiors																		
Level 2																		
Area A																		
WE2-10910	Mechanical / HVAC Rough-Ins - Area A [Level 2]	08-Mar-21	19-Mar-21	10	10													
WE2-11210	HVAC Trims - Area A [Level 2]	17-May-21	21-May-21	5	5													
Area B																		
WE2-11280	Mechanical / HVAC Rough-Ins - Area B [Level 2]	22-Mar-21	02-Apr-21	10	10													
WE2-11360	HVAC Trims - Area B [Level 2]	17-May-21	21-May-21	5	5													
Area C																		
WE2-11560	Mechanical / HVAC Rough-Ins - Area C [Level 2]	19-Apr-21	30-Apr-21	10	10													
WE2-11640	HVAC Trims - Area C [Level 2]	15-Jun-21	21-Jun-21	5	5													
Area D																		
WE2-11840	Mechanical / HVAC Rough-Ins - Area D [Level 2]	17-May-21	28-May-21	10	10													
WE2-11920	HVAC Trims - Area D [Level 2]	14-Jul-21	20-Jul-21	5	5													
Level 3																		
Area E - Kitchen																		
WE2-47931	Mechanical / HVAC Rough-Ins - Area E Kitchen [Leve13]	16-Feb-21	01-Mar-21	10	10													
Area H - Kitchen																		
WE2-49961	Mechanical / HVAC Rough-Ins - Area H Kitchen [Leve13]	04-May-21	17-May-21	10	10													
CEP																		
WE2-8480	Move Conditioned Air - CEP	02-Jun-21	02-Jun-21	1	1													
Generator Room (3.A.10)																		
WE2-5365	Storm Drain Piping - Generator Room	16-Mar-21	22-Mar-21	5	5													



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work
















Critical Remaining Work

Milestone



BCCCH - Mechanical 2021 Work

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 17:21

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												2022
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
	 WE2-5355	Outside Air Supply Ductwork - Generator Room	18-Mar-21	24-Mar-21	5	5												
	 WE2-5415	Chilled Water Lines & FCU's - Generator Room	30-Apr-21	06-May-21	5	5												
	 <b>Chiller Room</b>																	
	 WE2-5045	Hang CW / CHW Headers - Chiller Room	04-Feb-21	26-Feb-21	20	20												
	 WE2-5155	Set Chillers - Pumps / Expansion Tank - Chiller Room	27-Feb-21	04-Mar-21	5	5												
	 WE2-5165	Tree UP Chillers & Pumps, CHW, & CW - Chiller Room	05-Mar-21	22-Mar-21	15	15												
	 WE2-5145	Install Chem Treatment Open & Closed Loop - Chiller Room	05-Mar-21	10-Mar-21	5	5												
	 WE2-5625	Set Condensate Collection System - Chiller Room	23-Mar-21	02-Apr-21	10	10												
	 WE2-5075	Rough-in Domestic Water / Rain Water - Chiller Room	03-Apr-21	14-Apr-21	10	10												
	 WE2-5115	Install Ductwork - Chiller Room	03-Apr-21	14-Apr-21	10	10												
	 WE2-5175	Test CHW & CW - Chiller Room	03-Apr-21	08-Apr-21	5	5												
	 WE2-5185	Insulate Overhead Pipe - Chiller Room	09-Apr-21	26-Apr-21	15	15												
	 WE2-5195	Mount & Pipe VFD's Pipe Chiller Drive - Chiller Room	09-Apr-21	26-Apr-21	15	15												
	 WE2-7465	Insulate Ductwork - Chiller Room	15-Apr-21	26-Apr-21	10	10												
	 WE2-5205	Insulate Pump Volutes Chiller Heads Drops to Chillers & Pump - Chiller Room	27-Apr-21	13-May-21	15	15												



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

BCCCH - Fire Protection Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:33

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
📁 Broward County Convention Center - West Expansion																	
📁 West Expansion																	
📁 GMP No. 2 - West Expansion																	
📁 Construction																	
📁 Interiors & Systems																	
📁 Exhibit Halls (A+B+C)																	
📁 Exhibit Hall C																	
📁 Exhibit Hall C - Interior Build-out																	
WE2-6440	Overhead Fire Sprinkler - Exhibit Hall C	11-Mar-21	24-Mar-21	10	10	Overhead Fire Sprinkler - Exhibit Hall C											
📁 Men's Restroom 1A07																	
WE2-13350	Fire Sprinkler Rough-Ins - Men's Restroom 1A07 [Level 1]	25-Feb-21	10-Mar-21	10	10	Fire Sprinkler Rough-Ins - Men's Restroom 1A07 [Level 1]											
WE2-13580	Fire Sprinkler Trim - Men's Restroom 1A07 [Level 1]	11-Jun-21	17-Jun-21	5	5	Fire Sprinkler Trim - Men's Restroom 1A07 [Level 1]											
📁 Fire Pump Room 1A08																	
WE2-4841	Set Fire Pump - Fire Pump Room [Level 1]	22-Feb-21	26-Feb-21	5	5	Set Fire Pump - Fire Pump Room [Level 1]											
WE2-4802	Set Jockey Pump - Fire Pump Room [Level 1]	01-Mar-21	05-Mar-21	5	5	Set Jockey Pump - Fire Pump Room [Level 1]											
WE2-4921	Install 8" Fire Pump Exhaust - Level 1 & 2 - Fire Pump Room [Level 1]	06-Apr-21	12-Apr-21	5	5	Install 8" Fire Pump Exhaust - Level 1 & 2 - Fire Pump Room [Level 1]											
📁 Exhibit Hall B																	
📁 Exhibit Hall B - Interior Build-out																	
WE2-6990	Overhead Fire Sprinkler - Exhibit Hall B	01-Apr-21	14-Apr-21	10	10	Overhead Fire Sprinkler - Exhibit Hall B											
📁 Women's Restroom 1B01																	
WE2-12100	Fire Sprinkler Rough-Ins - Women Restroom 1B01 [Level 1]	18-Mar-21	31-Mar-21	10	10	Fire Sprinkler Rough-Ins - Women Restroom 1B01 [Level 1]											
WE2-12290	Fire Sprinkler Trim - Women Restroom 1B01 [Level 1]	02-Jul-21	09-Jul-21	5	5	Fire Sprinkler Trim - Women Restroom 1B01 [Level 1]											
📁 Mens Restroom 1B07																	
WE2-12450	Fire Sprinkler Rough-Ins - Mens Restroom 1B07 [Level 1]	30-Mar-21	12-Apr-21	10	10	Fire Sprinkler Rough-Ins - Mens Restroom 1B07 [Level 1]											
WE2-12630	Fire Sprinkler Trim - Mens Restroom 1B07 [Level 1]	15-Jul-21	21-Jul-21	5	5	Fire Sprinkler Trim - Mens Restroom 1B07 [Level 1]											
📁 Womens Restroom 1B08																	
WE2-12750	Fire Sprinkler Rough-Ins - Womens Restroom 1B08 [Level 1]	06-Apr-21	19-Apr-21	10	10	Fire Sprinkler Rough-Ins - Womens Restroom 1B08 [Level 1]											
WE2-12930	Fire Sprinkler Trim - Womens Restroom 1B08 [Level 1]	22-Jul-21	28-Jul-21	5	5	Fire Sprinkler Trim - Womens Restroom 1B08 [Level 1]											
📁 Exhibit Hall A																	
📁 Exhibit Hall A - Interior Build-out																	
WE2-7439	Overhead Fire Sprinkler - Exhibit Hall A	25-May-21	08-Jun-21	10	10	Overhead Fire Sprinkler - Exhibit Hall A											
📁 Womens Restroom 1C09																	
WE2-13050	Fire Sprinkler Rough-Ins - Womens Restroom 1C09 [Level 1]	30-Apr-21	13-May-21	10	10	Fire Sprinkler Rough-Ins - Womens Restroom 1C09 [Level 1]											
WE2-13280	Fire Sprinkler Trim - Womens Restroom 1C09 [Level 1]	12-Aug-21	18-Aug-21	5	5	Fire Sprinkler Trim - Womens Restroom 1C09 [Level 1]											
📁 Mens Restroom 1D01																	
WE2-13650	Fire Sprinkler Rough-Ins - Mens Restroom 1D01 [Level 1]	05-May-21	18-May-21	10	10	Fire Sprinkler Rough-Ins - Mens Restroom 1D01 [Level 1]											
WE2-13880	Fire Sprinkler Trim - Mens Restroom 1D01 [Level 1]	20-Aug-21	26-Aug-21	5	5	Fire Sprinkler Trim - Mens Restroom 1D01 [Level 1]											
📁 Interiors																	
📁 Level 2																	
📁 Area A																	
WE2-10890	Fire Sprinkler Rough-Ins - Area A [Level 2]	22-Feb-21	05-Mar-21	10	10	Fire Sprinkler Rough-Ins - Area A [Level 2]											
WE2-11080	Fire Sprinkler Trim - Area A [Level 2]	24-May-21	28-May-21	5	5	Fire Sprinkler Trim - Area A [Level 2]											
📁 Area B																	
WE2-11260	Fire Sprinkler Rough-Ins - Area B [Level 2]	08-Mar-21	19-Mar-21	10	10	Fire Sprinkler Rough-Ins - Area B [Level 2]											
WE2-11380	Fire Sprinkler Trim - Area B [Level 2]	24-May-21	28-May-21	5	5	Fire Sprinkler Trim - Area B [Level 2]											
📁 Area C																	
WE2-11540	Fire Sprinkler Rough-Ins - Area C [Level 2]	05-Apr-21	16-Apr-21	10	10	Fire Sprinkler Rough-Ins - Area C [Level 2]											



- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆◆

 Milestone

BCCCH - Fire Protection Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:33

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

BCCCH - Electrical 2021 Work

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 17:22

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Broward County Convention Center - West Expansion																			
West Expansion																			
GMP No. 1 - Warehouse Demo & Utility Re-Alignment																			
Lift Station																			
WE1-785	Install New Conduit from Existing Power Pole to New Lift Station Transformer	29-Dec-20	09-Jan-21	10	10														
WE1-875	Set Transformer Pad	11-Jan-21	11-Jan-21	1	1														
WE1-1380	Survey Conduits / Develop Easment Paperwork	11-Jan-21	12-Jan-21	2	2														
WE1-1390	FPL Submit Easement Paperwork to County	13-Jan-21	13-Jan-21	1	1														
WE1-1400	County Review / Approve Easement	14-Jan-21	25-Jan-21	10	10														
WE1-955	Site Temporary Power	18-Mar-21	29-Mar-21	10	10														
GMP No. 2 - West Expansion																			
Construction																			
Structure																			
Existing Area (E+F+G+H) - Grid Lines WG - WF																			
Area F - WG - WF																			
W10 - W9																			
Level 3																			
WE2-48931	Layout Metal Deck - Area F Grid Line W10 - W9 [Level 3]	31-Dec-20	04-Jan-21	2	2														
WE2-48331	Metal Deck Electrical Rough-in - Area F Grid Line W10 - W9 [Level 3]	04-Jan-21	11-Jan-21	6	6														
Area G - WG - WF																			
W9 - W8																			
Level 3																			
WE2-49111	Layout MEP Metal Deck - Area G Grid Line W8.6 - W8 [Level 3]	12-Jan-21	13-Jan-21	2	2														
WE2-48511	Metal Deck Electrical Rough-in - Area G Grid Line W8.6 - W8 [Level 3]	13-Jan-21	20-Jan-21	6	6														
W8 - W6																			
Level 3																			
WE2-49141	Layout MEP Metal Deck - Area G Grid Line W8 - W6 [Level 3]	25-Jan-21	26-Jan-21	2	2														
WE2-48551	Metal Deck Electrical Rough-in - Area G Grid Line W8 - W6 [Level 3]	26-Jan-21	01-Feb-21	6	6														
W6 - W5																			
Level 3																			
WE2-49171	Layout MEP Metal Deck - Area G Grid Line W6 - W5 [Level 3]	08-Feb-21	09-Feb-21	2	2														
WE2-48591	Metal Deck Electrical Rough-in - Area G Grid Line W6 - W5 [Level 3]	09-Feb-21	16-Feb-21	6	6														
Area H - WG - WF																			
W5 - W4																			
Level 3																			
WE2-49201	Layout MEP's - Area H Grid Line W5 - W4 [Level 3]	23-Feb-21	24-Feb-21	2	2														
WE2-48631	Metal Deck Electrical Rough-in - Area H Grid Line W5 - W4 [Level 3]	24-Feb-21	03-Mar-21	6	6														
W4 - W2.8																			
Level 3																			
WE2-49231	Layout MEP's - Area H Grid Line W4 - W2.8 [Level 3]	04-Mar-21	05-Mar-21	2	2														
WE2-48671	Metal Deck Electrical Rough-in - Area H Grid Line W4 - W2.8 [Level 3]	05-Mar-21	12-Mar-21	6	6														
Exhibition Hall - Long Span																			
Area A - W1 - WH																			
W15 - W11																			
Level 3																			
WE2-4500	Metal Deck Electrical Rough-in - Long Span Area A Grid Lines W15 - W11 [Le	30-Dec-20	02-Jan-21	3	3														
Area B - W1 - WH																			
W11 - W10																			
Level 3 (Roof)																			

















































Balfour Beatty



Remaining Level of Effort  
Actual Level of Effort  
Actual Work  
Remaining Work  
Critical Remaining Work  
Milestone

BCCCH - Electrical 2021 Work

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
 WE2-48841	Layout MEP Metal Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / R	26-Jan-21	26-Jan-21	1	1													
 WE2-44441	Metal Deck Electrical Rough-in - Long Span Area B Grid Line W11 - W10 [Lev	27-Jan-21	02-Feb-21	5	5													
 <b>W10 - W9</b>																		
 <b>Level 3 (Roof)</b>																		
 WE2-48871	Layout Metal Deck MEP - Long Span Area B Grid Line W10 - W9 [Level 3 / Rc	13-Jan-21	13-Jan-21	1	1													
 WE2-44471	Metal Deck Electrical Rough-in - Long Span Area B Grid Line W10 - W9 [Leve	14-Jan-21	20-Jan-21	5	5													
 <b>Area C - W1 - WH</b>																		
 <b>W9 - W8</b>																		
 <b>Level 3 (Roof)</b>																		
 WE2-49021	Layout MEP Metal Deck - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / F	26-Jan-21	26-Jan-21	1	1													
 WE2-44531	Metal Deck Electrical Rough-in - Long Span Area C Grid Lines W8.6 - W8 [Lev	27-Jan-21	02-Feb-21	5	5													
 <b>W8 - W6</b>																		
 <b>Level 3 (Roof)</b>																		
 WE2-49051	Layout MEP Metal Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Ro	11-Feb-21	11-Feb-21	1	1													
 WE2-44561	Metal Deck Electrical Rough-in - Long Span Area C Grid Lines W8 - W6 [Leve	12-Feb-21	19-Feb-21	6	6													
 <b>W6 - W5</b>																		
 <b>Level 3 (Roof)</b>																		
 WE2-49081	Layout MEP Metal Deck - Long Span Area C Grid Lines W6 - W5 [Level 3 / Ro	24-Feb-21	24-Feb-21	1	1													
 WE2-44591	Metal Deck Electrical Rough-in - Long Span Area C Grid Lines W6 - W5 [Leve	25-Feb-21	04-Mar-21	6	6													
 <b>Area D - W1 - WH</b>																		
 <b>W5 - W4</b>																		
 <b>Level 3 (Roof)</b>																		
 WE2-49261	Layout MEP's - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	03-Mar-21	04-Mar-21	2	2													
 WE2-44621	Metal Deck Electrical Rough-in - Long Span Area D Grid Line W5 - W4 [Level	04-Mar-21	11-Mar-21	6	6													
 <b>W4 - W2.8</b>																		
 <b>Level 3</b>																		
 WE2-49291	Layout MEP's - Long Span Area D Grid Line W4 - W2.8 [Level 3]	20-Apr-21	21-Apr-21	2	2													
 WE2-44651	Metal Deck Electrical Rough-in - Long Span Area D Grid Line W4 - W2.8 [Lev	21-Apr-21	28-Apr-21	6	6													
 <b>Building Envelope</b>																		
 <b>Roof</b>																		
 <b>Area A - Low Roof</b>																		
 WE2-5680	Electrical To Equipment - Area A [Low Roof]	15-Feb-21	12-Mar-21	20	20													
 WE2-5700	Lightning Protection - Area A [Low Roof]	25-Feb-21	24-Mar-21	20	20													
 <b>Area B</b>																		
 WE2-5820	Electrical To Equipment - Area B [Roof]	21-Apr-21	11-May-21	15	15													
 WE2-5840	Lightning Protection - Area B [Roof]	21-Apr-21	11-May-21	15	15													
 <b>Area C</b>																		
 WE2-6200	Electrical To Equipment - Area C [Roof]	12-May-21	02-Jun-21	15	15													
 WE2-6220	Lightning Protection - Area C [Roof]	12-May-21	02-Jun-21	15	15													
 <b>Area D</b>																		
 WE2-6240	Electrical To Equipment - Area D [Roof]	03-Jun-21	23-Jun-21	15	15													
 WE2-6260	Lightning Protection - Area D [Roof]	03-Jun-21	23-Jun-21	15	15													
 <b>Interiors &amp; Systems</b>																		
 <b>Exhibit Halls (A+B+C)</b>																		
 <b>Existing Convention / Exhibit Spaces</b>																		
 <b>Concessions 1.I.01</b>																		
 WE2-45391	Test Fire Alarm - Concessions 1.I.01	30-Apr-21	06-May-21	5	5													
 <b>Concessions 1.K.02</b>																		










































































- Remaining Level of Effort
- Actual Level of Effort
- Actual Work

 Remaining Work Critical Remaining Work Milestone Milestone

BCCCH - Electrical 2021 Work

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
 WE2-46001	Test Fire Alarm - Concessions I.K.01	09-Jun-21	15-Jun-21	5	5								Test Fire Alarm - Concessions I.K.01					
 <b>Exhibit Hall C</b>																		
<b>Exhibit Hall C - Underground &amp; SOG</b>																		
 WE2-43311	Underground Electrical Rough-in - Exhibit Hall C	15-Apr-21	28-Apr-21	10	10								Underground Electrical Rough-in - Exhibit Hall C					
 <b>Exhibit Hall C - Interior Build-out</b>																		
 WE2-6280	Hangers - Exhibit Hall C	30-Dec-20	06-Jan-21	5	5			Hangers - Exhibit Hall C										
 WE2-6500	Overhead Electrical - Exhibit Hall C	25-Feb-21	17-Mar-21	15	15				Overhead Electrical - Exhibit Hall C									
 WE2-6540	Overhead Fire Alarm Trim / Devices - Exhibit Hall C	04-Jun-21	01-Jul-21	20	20								Overhead Fire Alarm Trim / Devices - Exhibit Hall C					
 WE2-6560	Overhead Electrical Trim / Lighting - Exhibit Hall C	04-Jun-21	01-Jul-21	20	20								Overhead Electrical Trim / Lighting - Exhibit Hall C					
 <b>Men's Restroom 1A07</b>																		
 WE2-13380	Fire Alarm Rough-Ins - Men's Restroom 1A07 [Level 1]	18-Mar-21	31-Mar-21	10	10								Fire Alarm Rough-Ins - Men's Restroom 1A07 [Level 1]					
 WE2-13590	Electrical Fixtures / Devices / Trims - Men's Restroom 1A07 [Level 1]	15-Jun-21	21-Jun-21	5	5								Electrical Fixtures / Devices / Trims - Men's Restroom 1A07 [Level 1]					
 WE2-13600	Fire Alarm Trims - Men's Restroom 1A07 [Level 1]	18-Jun-21	24-Jun-21	5	5								Fire Alarm Trims - Men's Restroom 1A07 [Level 1]					
 <b>Fire Pump Room 1A08</b>																		
 WE2-4821	Install Overhead Supports / Hangers (MEP) - Fire Pump Room [Level 1]	30-Dec-20	06-Jan-21	5	5			Install Overhead Supports / Hangers (MEP) - Fire Pump Room [Level 1]										
 WE2-4831	Electrical Rough / Equipment Tie-in - Fire Pump Room [Level 1]	15-Feb-21	05-Mar-21	15	15				Electrical Rough / Equipment Tie-in - Fire Pump Room [Level 1]									
 WE2-4851	Pull / Terminate Cable - Fire Pump Room [Level 1]	08-Mar-21	19-Mar-21	10	10				Pull / Terminate Cable - Fire Pump Room [Level 1]									
 WE2-4871	Overhead Fire Alarm Trim / Devices - Fire Pump Room [Level 1]	22-Mar-21	26-Mar-21	5	5				Overhead Fire Alarm Trim / Devices - Fire Pump Room [Level 1]									
 WE2-4891	Lighting / Electrical Trims - Fire Pump Room [Level 1]	24-Mar-21	30-Mar-21	5	5				Lighting / Electrical Trims - Fire Pump Room [Level 1]									
 <b>FPL Vault 1A06</b>																		
 WE2-8381	Install Primary Power Ductbank	21-Dec-20	21-Jan-21	25	25			Install Primary Power Ductbank										
 <b>Exhibit Hall B</b>																		
<b>Exhibit Hall B - Underground &amp; SOG</b>																		
 WE2-7379	Underground Electrical Rough-in - Exhibit Hall B	06-May-21	19-May-21	10	10								Underground Electrical Rough-in - Exhibit Hall B					
 <b>Exhibit Hall B - Interior Build-out</b>																		
 WE2-6890	Hangers - Exhibit Hall B	07-Jan-21	13-Jan-21	5	5			Hangers - Exhibit Hall B										
 WE2-6970	Overhead Electrical - Exhibit Hall B	18-Mar-21	07-Apr-21	15	15				Overhead Electrical - Exhibit Hall B									
 WE2-7030	Electrical @ Floor Boxes / Covers - Exhibit Hall B	18-Jun-21	01-Jul-21	10	10								Electrical @ Floor Boxes / Covers - Exhibit Hall B					
 WE2-7050	Overhead Fire Alarm Trim / Devices - Exhibit Hall B	25-Jun-21	23-Jul-21	20	20								Overhead Fire Alarm Trim / Devices - Exhibit Hall B					
 WE2-7060	Overhead Electrical Trim / Lighting - Exhibit Hall B	25-Jun-21	23-Jul-21	20	20								Overhead Electrical Trim / Lighting - Exhibit Hall B					
 <b>Women's Restroom 1B01</b>																		
 WE2-12130	Fire Alarm Rough-Ins - Women Restroom 1B01 [Level 1]	08-Apr-21	21-Apr-21	10	10								Fire Alarm Rough-Ins - Women Restroom 1B01 [Level 1]					
 WE2-12300	Electrical Fixtures / Devices / Trims - Women Restroom 1B01 [Level 1]	07-Jul-21	13-Jul-21	5	5								Electrical Fixtures / Devices / Trims - Women Restroom 1B01 [Level 1]					
 WE2-12310	Fire Alarm Trims - Women Restroom 1B01 [Level 1]	12-Jul-21	16-Jul-21	5	5								Fire Alarm Trims - Women Restroom 1B01 [Level 1]					
 <b>Mens Restroom 1B07</b>																		
 WE2-12480	Fire Alarm Rough-Ins - Mens Restroom 1B07 [Level 1]	20-Apr-21	03-May-21	10	10								Fire Alarm Rough-Ins - Mens Restroom 1B07 [Level 1]					
 WE2-12640	Electrical Fixtures / Devices / Trims - Mens Restroom 1B07 [Level 1]	19-Jul-21	23-Jul-21	5	5								Electrical Fixtures / Devices / Trims - Mens Restroom 1B07 [Level 1]					
 WE2-12660	Fire Alarm Trims - Mens Restroom 1B07 [Level 1]	22-Jul-21	28-Jul-21	5	5								Fire Alarm Trims - Mens Restroom 1B07 [Level 1]					
 <b>Womens Restroom 1B08</b>																		
 WE2-12780	Fire Alarm Rough-Ins - Womens Restroom 1B08 [Level 1]	27-Apr-21	10-May-21	10	10								Fire Alarm Rough-Ins - Womens Restroom 1B08 [Level 1]					
 WE2-12940	Electrical Fixtures / Devices / Trims - Womens Restroom 1B08 [Level 1]	26-Jul-21	30-Jul-21	5	5								Electrical Fixtures / Devices / Trims - Womens Restroom 1B08 [Level 1]					
 WE2-12960	Fire Alarm Trims - Womens Restroom 1B08 [Level 1]	29-Jul-21	04-Aug-21	5	5								Fire Alarm Trims - Womens Restroom 1B08 [Level 1]					
 <b>Exhibit Hall A</b>																		
<b>Exhibit Hall A - Underground &amp; SOG</b>																		













































































- Remaining Level of Effort
- Actual Level of Effort
- Actual Work

 Remaining Work Critical Remaining Work Milestone Milestone



BCCCH - Electrical 2021 Work

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
 WE2-7401	Underground Electrical Rough-in - Exhibit Hall A	27-May-21	10-Jun-21	10	10								Underground Electrical Rough-in - Exhibit Hall A						
 <b>Exhibit Hall A - Interior Build-out</b>																			
 WE2-7449	Hangers - Exhibit Hall A	16-Mar-21	22-Mar-21	5	5								Hangers - Exhibit Hall A						
 WE2-7435	Overhead Electrical - Exhibit Hall A	11-May-21	01-Jun-21	15	15								Overhead Electrical - Exhibit Hall A						
 WE2-7457	Electrical @ Floor Boxes / Covers - Exhibit Hall A	12-Jul-21	23-Jul-21	10	10									Electrical @ Floor Boxes / Covers - Exhibit Hall A					
 WE2-7425	Overhead Fire Alarm Trim / Devices - Exhibit Hall A	19-Jul-21	13-Aug-21	20	20									Overhead Fire Alarm Trim / Devices - Exhibit Hall A					
 WE2-7427	Overhead Electrical Trim / Lighting - Exhibit Hall A	19-Jul-21	13-Aug-21	20	20									Overhead Electrical Trim / Lighting - Exhibit Hall A					
 <b>Womens Restroom 1C09</b>																			
 WE2-13080	Fire Alarm Rough-Ins - Womens Restroom 1C09 [Level 1]	21-May-21	04-Jun-21	10	10								Fire Alarm Rough-Ins - Womens Restroom 1C09 [Level 1]						
 WE2-13290	Electrical Fixtures / Devices / Trims - Womens Restroom 1C09 [Level 1]	16-Aug-21	20-Aug-21	5	5									Electrical Fixtures / Devices / Trims - Womens Restroom 1C09 [Level 1]					
 WE2-13300	Fire Alarm Trims - Womens Restroom 1C09 [Level 1]	19-Aug-21	25-Aug-21	5	5									Fire Alarm Trims - Womens Restroom 1C09 [Level 1]					
 <b>Mens Restroom 1D01</b>																			
 WE2-13680	Fire Alarm Rough-Ins - Mens Restroom 1D01 [Level 1]	26-May-21	09-Jun-21	10	10								Fire Alarm Rough-Ins - Mens Restroom 1D01 [Level 1]						
 WE2-13890	Electrical Fixtures / Devices / Trims - Mens Restroom 1D01 [Level 1]	24-Aug-21	30-Aug-21	5	5									Electrical Fixtures / Devices / Trims - Mens Restroom 1D01 [Level 1]					
 WE2-13900	Fire Alarm Trims - Mens Restroom 1D01 [Level 1]	27-Aug-21	02-Sep-21	5	5									Fire Alarm Trims - Mens Restroom 1D01 [Level 1]					
 <b>Interiors</b>																			
 <b>Level 2</b>																			
 <b>Area A</b>																			
 WE2-10920	Fire Alarm Rough-Ins - Area A [Level 2]	01-Mar-21	12-Mar-21	10	10								Fire Alarm Rough-Ins - Area A [Level 2]						
 WE2-11090	Electrical Fixtures / Devices / Trims - Area A [Level 2]	26-May-21	02-Jun-21	5	5								Electrical Fixtures / Devices / Trims - Area A [Level 2]						
 WE2-11100	Fire Alarm Trims - Area A [Level 2]	01-Jun-21	07-Jun-21	5	5								Fire Alarm Trims - Area A [Level 2]						
 <b>Area B</b>																			
 WE2-11270	Fire Alarm Rough-Ins - Area B [Level 2]	15-Mar-21	26-Mar-21	10	10								Fire Alarm Rough-Ins - Area B [Level 2]						
 WE2-11390	Electrical Fixtures / Devices / Trims - Area B [Level 2]	26-May-21	02-Jun-21	5	5								Electrical Fixtures / Devices / Trims - Area B [Level 2]						
 WE2-11400	Fire Alarm Trims - Area B [Level 2]	01-Jun-21	07-Jun-21	5	5								Fire Alarm Trims - Area B [Level 2]						
 <b>Area C</b>																			
 WE2-11550	Fire Alarm Rough-Ins - Area C [Level 2]	12-Apr-21	23-Apr-21	10	10								Fire Alarm Rough-Ins - Area C [Level 2]						
 WE2-11670	Electrical Fixtures / Devices / Trims - Area C [Level 2]	24-Jun-21	30-Jun-21	5	5								Electrical Fixtures / Devices / Trims - Area C [Level 2]						
 WE2-11680	Fire Alarm Trims - Area C [Level 2]	29-Jun-21	06-Jul-21	5	5								Fire Alarm Trims - Area C [Level 2]						
 <b>Area D</b>																			
 WE2-11830	Fire Alarm Rough-Ins - Area D [Level 2]	10-May-21	21-May-21	10	10								Fire Alarm Rough-Ins - Area D [Level 2]						
 WE2-11950	Electrical Fixtures / Devices / Trims - Area D [Level 2]	23-Jul-21	29-Jul-21	5	5								Electrical Fixtures / Devices / Trims - Area D [Level 2]						
 WE2-11960	Fire Alarm Trims - Area D [Level 2]	28-Jul-21	03-Aug-21	5	5								Fire Alarm Trims - Area D [Level 2]						
 <b>Level 3</b>																			
 <b>Area E - Kitchen</b>																			
 WE2-47941	Fire Alarm Rough-Ins - Area E Kitchen [Level 3]	23-Feb-21	08-Mar-21	10	10								Fire Alarm Rough-Ins - Area E Kitchen [Level 3]						
 WE2-48151	Electrical Fixtures / Devices / Trims - Area E Kitchen [Level 3]	11-Jun-21	17-Jun-21	5	5								Electrical Fixtures / Devices / Trims - Area E Kitchen [Level 3]						
 WE2-48161	Fire Alarm Trims - Area E Kitchen [Level 3]	11-Jun-21	17-Jun-21	5	5								Fire Alarm Trims - Area E Kitchen [Level 3]						
 <b>Area H - Kitchen</b>																			
 WE2-49971	Fire Alarm Rough-Ins - Area H Kitchen [Level 3]	11-May-21	24-May-21	10	10								Fire Alarm Rough-Ins - Area H Kitchen [Level 3]						
 WE2-7131	Electrical Fixtures / Devices / Trims - Area H Kitchen [Level 3]	30-Aug-21	03-Sep-21	5	5									Electrical Fixtures / Devices / Trims - Area H Kitchen [Level 3]					
 WE2-7133	Fire Alarm Trims - Area H Kitchen [Level 3]	30-Aug-21	03-Sep-21	5	5									Fire Alarm Trims - Area H Kitchen [Level 3]					
 <b>CEP</b>																			
 <b>Generator Room (3.A.10)</b>																			



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

# BCCCH - Electrical 2021 Work

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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
WE2-5266 WE2-5265 WE2-5245 WE2-5235 WE2-5315 WE2-5295 WE2-5325 WE2-5335 WE2-5345 WE2-8800 WE2-5375 WE2-5305 WE2-5385 WE2-5395 <b>Switchgear Room (3.A.06) (3.A.01) (3.A.11)</b> WE2-5435 WE2-5455 WE2-5465 WE2-5475 WE2-5485 WE2-5495 WE2-5505 WE2-5515 WE2-5525 WE2-5535 WE2-5555 WE2-8790 WE2-5545 WE2-5565 WE2-7477 WE2-7479 <b>Chiller Room</b> WE2-7159 WE2-5125 WE2-5215 WE2-8440 <b>Test / Commissioning</b> WE2-7495 WE2-7499 WE2-7481	Set Emergency Generator	06-Jan-21	07-Jan-21	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															







































































































































■ Remaining Level of Effort  
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■ Actual Level of Effort  
■ Critical Remaining Work  
■ Actual Work  
◆ Milestone



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Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021																																																																																																																																		
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec																																																																																																																						
 WE2-7483	Load Bank Testing	07-May-21	20-May-21	10	10																																																																																																																																			



 Remaining Level of Effort

 Actual Level of Effort

 Actual Work

 Remaining Work

 Critical Remaining Work

 Milestone

BCCCH - Masonry Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:20

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Broward County Convention Center - West Expansion																			
West Expansion																			
GMP No. 2 - West Expansion																			
Construction																			
Interiors & Systems																			
Exhibit Halls (A+B+C)																			
Exhibit Hall C																			
Exhibit Hall C - Interior Build-out																			
WE2-6481	Masonry - Exhibit Hall C	28-Jan-21	10-Feb-21	10	10	Masonry - Exhibit Hall C													
Exhibit Hall B																			
Exhibit Hall B - Interior Build-out																			
WE2-6950	Masonry - Exhibit Hall B	18-Feb-21	03-Mar-21	10	10	Masonry - Exhibit Hall B													
Exhibit Hall A																			
Exhibit Hall A - Interior Build-out																			
WE2-7451	Masonry - Exhibit Hall A	13-Apr-21	26-Apr-21	10	10	Masonry - Exhibit Hall A													
CEP																			
WE2-8120	Masonry - Interior Walls - CEP	04-Feb-21	03-Mar-21	20	20	Masonry - Interior Walls - CEP													

BCCCH - Plumbing Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:32

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Broward County Convention Center - West Expansion																			
West Expansion																			
GMP No. 2 - West Expansion																			
Construction - West West																			
Structure																			
Area A - Grid Lines WK, WJ, WI																			
W19 - W15																			
Ground Level																			
WE2-7513	Shallow Underground Plumbing - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]	27-Jan-21	02-Feb-21	5	5														Shallow Underground Plumbing - Area A Grid Lines W19 - W15 / WK - WJ [Ground Level]
W15 - W11																			
Ground Level																			
WE2-7181	Deep Underground Plumbing - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]	11-Jan-21	19-Jan-21	7	7														Deep Underground Plumbing - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]
WE2-7201	Shallow Underground Plumbing - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]	27-Jan-21	02-Feb-21	5	5														Shallow Underground Plumbing - Area A Grid Lines W14 - W11 / WK - WJ [Ground Level]
Area B - Grid Lines WK, WJ, WI																			
W11 - W10																			
Ground Level																			
WE2-7217	Shallow Underground Plumbing - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]	03-Feb-21	09-Feb-21	5	5														Shallow Underground Plumbing - Area B Grid Lines W11 - W10 / WK - WJ [Ground Level]
W10 - W9																			
Ground Level																			
WE2-7233	Shallow Underground Plumbing - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]	03-Feb-21	09-Feb-21	5	5														Shallow Underground Plumbing - Area B Grid Lines W10 - W9 / WK - WJ [Ground Level]
W9 - W8.6																			
Ground Level																			
WE2-7235	Deep Underground Plumbing - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]	07-Jan-21	13-Jan-21	5	5														Deep Underground Plumbing - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]
WE2-7249	Shallow Underground Plumbing - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]	03-Feb-21	09-Feb-21	5	5														Shallow Underground Plumbing - Area B Grid Lines W9 - W8.6 / WK - WJ [Ground Level]
Area C - Grid Lines WK, WJ, WI																			
W8.6 - W8																			
Ground Level																			
WE2-7265	Shallow Underground Plumbing - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]	10-Feb-21	16-Feb-21	5	5														Shallow Underground Plumbing - Area C Grid Lines W8.6 - W8 / WK - WJ [Ground Level]
W8 - W6																			
Ground Level																			
WE2-7281	Shallow Underground Plumbing - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]	10-Feb-21	16-Feb-21	5	5														Shallow Underground Plumbing - Area C Grid Lines W8 - W6 / WK - WJ [Ground Level]
W6 - W5																			
Ground Level																			
WE2-7297	Shallow Underground Plumbing - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]	10-Feb-21	16-Feb-21	5	5														Shallow Underground Plumbing - Area C Grid Lines W6 - W5 / WK - WJ [Ground Level]
Area D - Grid Lines WK, WJ, WI																			
W5 - W4																			
Ground Level																			
WE2-7313	Shallow Underground Plumbing - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]	17-Feb-21	23-Feb-21	5	5														Shallow Underground Plumbing - Area D Grid Lines W5 - W4 / WK - WJ [Ground Level]
W4 - W2.8																			
Ground Level																			
WE2-7329	Shallow Underground Plumbing - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]	17-Feb-21	23-Feb-21	5	5														Shallow Underground Plumbing - Area D Grid Lines W4 - W2.8 / WK - WJ [Ground Level]
Low Roof																			
WE2-14159	Form Deck - Area D Grid Line W4 - W2.8 [Roof]	23-Feb-21	23-Feb-21	1	1														Form Deck - Area D Grid Line W4 - W2.8 [Roof]
Construction																			
Structure																			
Existing Area (E+F+G+H) - Grid Lines WG - WF																			
Area F - WG - WF																			
W10 - W9																			
Level 3																			
WE2-48341	Metal Deck Plumbing Rough-in - Area F Grid Line W10 - W9 [Level 3]	07-Jan-21	14-Jan-21	6	6														Metal Deck Plumbing Rough-in - Area F Grid Line W10 - W9 [Level 3]
Area G - WG - WF																			
W9 - W8																			



- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ ◆

 Milestone

# BCCCH - Plumbing Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:32

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<div><div></div>Level 3</div> <div><div></div>WE2-48521Metal Deck Plumbing Rough-in - Area G Grid Line W8.6 - W8 [Level 3]</div> <div>18-Jan-2125-Jan-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Area G Grid Line W8.6 - W8 [Level 3]</div>													
<div><div></div>W8 - W6</div> <div><div></div>Level 3</div> <div><div></div>WE2-48561Metal Deck Plumbing Rough-in - Area G Grid Line W8 - W6 [Level 3]</div> <div>29-Jan-2105-Feb-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Area G Grid Line W8 - W6 [Level 3]</div>													
<div><div></div>W6 - W5</div> <div><div></div>Level 3</div> <div><div></div>WE2-48601Metal Deck Plumbing Rough-in - Area G Grid Line W6 - W5 [Level 3]</div> <div>12-Feb-2119-Feb-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Area G Grid Line W6 - W5 [Level 3]</div>													
<div><div></div>Area H - WG - WF</div> <div><div></div>W5 - W4</div> <div><div></div>Level 3</div> <div><div></div>WE2-48641Metal Deck Plumbing Rough-in - Area H Grid Line W5 - W4 [Level 3]</div> <div>01-Mar-2108-Mar-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Area H Grid Line W5 - W4 [Level 3]</div>													
<div><div></div>W4 - W2.8</div> <div><div></div>Level 3</div> <div><div></div>WE2-48681Metal Deck Plumbing Rough-in - Area H Grid Line W4 - W2.8 [Level 3]</div> <div>10-Mar-2117-Mar-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Area H Grid Line W4 - W2.8 [Level 3]</div>													
<div><div></div>Exhibition Hall - Long Span</div> <div><div></div>Area D - W1 - WH</div> <div><div></div>W5 - W4</div> <div><div></div>Level 3 (Roof)</div> <div><div></div>WE2-44631Metal Deck Plumbing Rough-in - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]</div> <div>09-Mar-2116-Mar-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]</div>													
<div><div></div>W4 - W2.8</div> <div><div></div>Level 3</div> <div><div></div>WE2-44661Metal Deck Plumbing Rough-in - Long Span Area D Grid Line W4 - W2.8 [Level 3]</div> <div>26-Apr-2103-May-2166</div>						<div><div></div>Metal Deck Plumbing Rough-in - Long Span Area D Grid Line W4 - W2.8 [Level 3]</div>													
<div><div></div>Interiors &amp; Systems</div> <div><div></div>Exhibit Halls (A+B+C)</div> <div><div></div>Exhibit Hall C</div> <div><div></div>Exhibit Hall C - Underground &amp; SOG</div> <div><div></div>WE2-43321Underground Plumbing Rough-in - Exhibit Hall C</div> <div>22-Apr-2128-Apr-2155</div>						<div><div></div>Underground Plumbing Rough-in - Exhibit Hall C</div>													
<div><div></div>Exhibit Hall C - Interior Build-out</div> <div><div></div>WE2-6480Overhead Plumbing - Exhibit Hall C</div> <div>28-Jan-2103-Mar-212525</div> <div><div></div>WE2-6385MEPF Insulation - Exhibit Hall C</div> <div>27-May-2117-Jun-211515</div>						<div><div></div>Overhead Plumbing - Exhibit Hall C</div> <div><div></div>MEPF Insulation - Exhibit Hall C</div>													
<div><div></div>Men's Restroom 1A07</div> <div><div></div>WE2-13360Plumbing Rough-Ins - Men's Restroom 1A07 [Level 1]</div> <div>04-Mar-2117-Mar-211010</div> <div><div></div>WE2-13490Plumbing Fixtures - Men's Restroom 1A07 [Level 1]</div> <div>27-May-2103-Jun-2155</div>						<div><div></div>Plumbing Rough-Ins - Men's Restroom 1A07 [Level 1]</div> <div><div></div>Plumbing Fixtures - Men's Restroom 1A07 [Level 1]</div>													
<div><div></div>Exhibit Hall B</div> <div><div></div>Exhibit Hall B - Underground &amp; SOG</div> <div><div></div>WE2-7381Underground Plumbing Rough-in - Exhibit Hall B</div> <div>13-May-2119-May-2155</div>						<div><div></div>Underground Plumbing Rough-in - Exhibit Hall B</div>													
<div><div></div>Exhibit Hall B - Interior Build-out</div> <div><div></div>WE2-6910Overhead Plumbing - Exhibit Hall B</div> <div>18-Feb-2124-Mar-212525</div> <div><div></div>WE2-7020Plumbing @ Floor Boxes - Exhibit Hall B</div> <div>18-Jun-2101-Jul-211010</div> <div><div></div>WE2-7040MEPF Insulation - Exhibit Hall B</div> <div>18-Jun-2109-Jul-211515</div>						<div><div></div>Overhead Plumbing - Exhibit Hall B</div> <div><div></div>Plumbing @ Floor Boxes - Exhibit Hall B</div> <div><div></div>MEPF Insulation - Exhibit Hall B</div>													
<div><div></div>Women's Restroom 1B01</div> <div><div></div>WE2-12110Plumbing Rough-Ins - Women Restroom 1B01 [Level 1]</div> <div>25-Mar-2107-Apr-211010</div> <div><div></div>WE2-12250Plumbing Fixtures - Women Restroom 1B01 [Level 1]</div> <div>18-Jun-2124-Jun-2155</div>						<div><div></div>Plumbing Rough-Ins - Women Restroom 1B01 [Level 1]</div> <div><div></div>Plumbing Fixtures - Women Restroom 1B01 [Level 1]</div>													
<div><div></div>Mens Restroom 1B07</div> <div><div></div>WE2-12460Plumbing Rough-Ins - Mens Restroom 1B07 [Level 1]</div> <div>06-Apr-2119-Apr-211010</div> <div><div></div>WE2-12590Plumbing Fixtures - Mens Restroom 1B07 [Level 1]</div> <div>30-Jun-2107-Jul-2155</div>						<div><div></div>Plumbing Rough-Ins - Mens Restroom 1B07 [Level 1]</div> <div><div></div>Plumbing Fixtures - Mens Restroom 1B07 [Level 1]</div>													
<div><div></div>Womens Restroom 1B08</div> <div><div></div>WE2-12760Plumbing Rough-Ins - Womens Restroom 1B08 [Level 1]</div> <div>13-Apr-2126-Apr-211010</div>						<div><div></div>Plumbing Rough-Ins - Womens Restroom 1B08 [Level 1]</div>													



- Remaining Level of Effort
- Actual Level of Effort
- Actual Work





















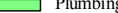













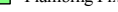




 Remaining Work Critical Remaining Work

◆◆

 Milestone

BCCCH - Plumbing Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:32

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021											
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
 WE2-12890	Plumbing Fixtures - Womens Restroom 1B08 [Level 1]	08-Jul-21	14-Jul-21	5	5	 Plumbing Fixtures - Womens Restroom 1B08 [Level 1]											
 <b>Exhibit Hall A</b>																	
 <b>Exhibit Hall A - Underground &amp; SOG</b>																	
 WE2-7403	Underground Plumbing Rough-in - Exhibit Hall A	04-Jun-21	10-Jun-21	5	5	 Underground Plumbing Rough-in - Exhibit Hall A											
 <b>Exhibit Hall A - Interior Build-out</b>																	
 WE2-7433	Overhead Plumbing - Exhibit Hall A	13-Apr-21	17-May-21	25	25	 Overhead Plumbing - Exhibit Hall A											
 WE2-7455	Plumbing @ Floor Boxes - Exhibit Hall A	12-Jul-21	23-Jul-21	10	10	 Plumbing @ Floor Boxes - Exhibit Hall A											
 WE2-7459	MEPF Insulation - Exhibit Hall A	12-Jul-21	30-Jul-21	15	15	 MEPF Insulation - Exhibit Hall A											
 <b>Womens Restroom 1C09</b>																	
 WE2-13060	Plumbing Rough-Ins - Womens Restroom 1C09 [Level 1]	07-May-21	20-May-21	10	10	 Plumbing Rough-Ins - Womens Restroom 1C09 [Level 1]											
 WE2-13190	Plumbing Fixtures - Womens Restroom 1C09 [Level 1]	29-Jul-21	04-Aug-21	5	5	 Plumbing Fixtures - Womens Restroom 1C09 [Level 1]											
 <b>Mens Restroom 1D01</b>																	
 WE2-13660	Plumbing Rough-Ins - Mens Restroom 1D01 [Level 1]	12-May-21	25-May-21	10	10	 Plumbing Rough-Ins - Mens Restroom 1D01 [Level 1]											
 WE2-13790	Plumbing Fixtures - Mens Restroom 1D01 [Level 1]	06-Aug-21	12-Aug-21	5	5	 Plumbing Fixtures - Mens Restroom 1D01 [Level 1]											
 <b>Interiors</b>																	
 <b>Level 3</b>																	
 <b>Area E - Kitchen</b>																	
 WE2-47921	Plumbing Rough-Ins - Area E Kitchen [Level 3]	09-Feb-21	22-Feb-21	10	10	 Plumbing Rough-Ins - Area E Kitchen [Level 3]											
 WE2-48051	Plumbing Fixtures - Area E Kitchen [Level 3]	20-May-21	26-May-21	5	5	 Plumbing Fixtures - Area E Kitchen [Level 3]											
 <b>Area H - Kitchen</b>																	
 WE2-49951	Plumbing Rough-Ins - Area H Kitchen [Level 3]	27-Apr-21	10-May-21	10	10	 Plumbing Rough-Ins - Area H Kitchen [Level 3]											
 WE2-7111	Plumbing Fixtures - Area H Kitchen [Level 3]	09-Aug-21	13-Aug-21	5	5	 Plumbing Fixtures - Area H Kitchen [Level 3]											
 <b>CEP</b>																	
 <b>Chiller Room</b>																	
 WE2-5615	Set / Pipe Air Compressor System - Chiller Room	05-Mar-21	22-Mar-21	15	15	 Set / Pipe Air Compressor System - Chiller Room											

BCCCH - Structural Steel Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:17

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<div><div></div><div>Broward County Convention Center - West Expansion</div></div>																			
<div><div></div><div>West Expansion</div></div>																			
<div><div></div><div>West Expansion Construction Milestones</div></div>																			
<div><div></div><div>PM-090</div></div>	Structural Steel Complete		26-Mar-21	0	0			<div>◆ Structural Steel Complete</div>											
<div><div></div><div>GMP No. 2 - West Expansion</div></div>																			
<div><div></div><div>Construction - West West</div></div>																			
<div><div></div><div>Structure</div></div>																			
<div><div></div><div>Area D - Grid Lines WK, WJ, WI</div></div>																			
<div><div></div><div>W5 - W4</div></div>																			
<div><div></div><div>W4.2 - W4 (Low Roof)</div></div>																			
<div><div></div><div>WE2-3233</div></div>	Metal Deck - Area D Grid Line W2 - W4 [Roof]	17-Feb-21	18-Feb-21	2	2			<div>▮ Metal Deck - Area D Grid Line W2 - W4 [Roof]</div>											
<div><div></div><div>W4 - W2.8</div></div>																			
<div><div></div><div>Low Roof</div></div>																			
<div><div></div><div>WE2-14156</div></div>	Metal Deck - Area D Grid Line W4 - W2.8 [Roof]	19-Feb-21	22-Feb-21	2	2			<div>▮ Metal Deck - Area D Grid Line W4 - W2.8 [Roof]</div>											
<div><div></div><div>Construction</div></div>																			
<div><div></div><div>Structure</div></div>																			
<div><div></div><div>Existing Area (E+F+G+H) - Grid Lines WG - WF</div></div>																			
<div><div></div><div>Area G - WG - WF</div></div>																			
<div><div></div><div>W9 - W8</div></div>																			
<div><div></div><div>Level 3</div></div>																			
<div><div></div><div>WE2-14847</div></div>	New Structural Steel Truss 129 / 128 Assembly - Area G Grid Line W8.6 - W8 [Level 3]	04-Jan-21	04-Jan-21	1	1			<div>▮ New Structural Steel Truss 129 / 128 Assembly - Area G Grid Line W8.6 - W8 [Level 3]</div>											
<div><div></div><div>WE2-14849</div></div>	New Structural Steel Truss 129 / 128 Erection - Area G Grid Line W8.6 - W8 [Level 3]	05-Jan-21	05-Jan-21	1	1			<div>▮ New Structural Steel Truss 129 / 128 Erection - Area G Grid Line W8.6 - W8 [Level 3]</div>											
<div><div></div><div>WE2-14850</div></div>	New Structural Steel Seq. #26 Framing / Detailing - Area G Grid Line W8.6 - W8 [Level 3]	06-Jan-21	07-Jan-21	2	2			<div>▮ New Structural Steel Seq. #26 Framing / Detailing - Area G Grid Line W8.6 - W8 [Level 3]</div>											
<div><div></div><div>WE2-48501</div></div>	Metal Deck Level 3 - Area G Grid Line W8.6 - W8 [Level 3]	08-Jan-21	11-Jan-21	3	3			<div>▮ Metal Deck Level 3 - Area G Grid Line W8.6 - W8 [Level 3]</div>											
<div><div></div><div>W8 - W6</div></div>																			
<div><div></div><div>Level 3</div></div>																			
<div><div></div><div>WE2-14867</div></div>	New Structural Steel Truss 130 / 131 Assembly - Area G Grid Line W8 - W6 [Level 3]	16-Jan-21	16-Jan-21	1	1			<div>▮ New Structural Steel Truss 130 / 131 Assembly - Area G Grid Line W8 - W6 [Level 3]</div>											
<div><div></div><div>WE2-14869</div></div>	New Structural Steel Truss 130 / 131 Erection - Area G Grid Line W8 - W6 [Level 3]	18-Jan-21	18-Jan-21	1	1			<div>▮ New Structural Steel Truss 130 / 131 Erection - Area G Grid Line W8 - W6 [Level 3]</div>											
<div><div></div><div>WE2-14870</div></div>	New Structural Steel Seq. #27 Framing / Detailing - Area G Grid Line W8 - W6 [Level 3]	19-Jan-21	20-Jan-21	2	2			<div>▮ New Structural Steel Seq. #27 Framing / Detailing - Area G Grid Line W8 - W6 [Level 3]</div>											
<div><div></div><div>WE2-48541</div></div>	Metal Deck - Area G Grid Line W8 - W6 [Level 3]	21-Jan-21	23-Jan-21	3	3			<div>▮ Metal Deck - Area G Grid Line W8 - W6 [Level 3]</div>											
<div><div></div><div>W6 - W5</div></div>																			
<div><div></div><div>Level 3</div></div>																			
<div><div></div><div>WE2-14887</div></div>	New Structural Steel Truss 132 / 133 Assembly - Area G Grid Line W6 - W5 [Level 3]	26-Jan-21	26-Jan-21	1	1			<div>▮ New Structural Steel Truss 132 / 133 Assembly - Area G Grid Line W6 - W5 [Level 3]</div>											
<div><div></div><div>WE2-14889</div></div>	New Structural Steel Truss 132 / 133 Erection - Area G Grid Line W6 - W5 [Level 3]	27-Jan-21	27-Jan-21	1	1			<div>▮ New Structural Steel Truss 132 / 133 Erection - Area G Grid Line W6 - W5 [Level 3]</div>											
<div><div></div><div>WE2-14890</div></div>	New Structural Steel Seq. #28 Framing / Detailing - Area G Grid Line W6 - W5 [Level 3]	28-Jan-21	29-Jan-21	2	2			<div>▮ New Structural Steel Seq. #28 Framing / Detailing - Area G Grid Line W6 - W5 [Level 3]</div>											
<div><div></div><div>WE2-48581</div></div>	Metal Deck - Area G Grid Line W6 - W5 [Level 3]	30-Jan-21	02-Feb-21	3	3			<div>▮ Metal Deck - Area G Grid Line W6 - W5 [Level 3]</div>											
<div><div></div><div>Roof</div></div>																			



▬ Remaining Level of Effort

▬ Actual Level of Effort

▬ Actual Work

▬ Remaining Work




















































▬ Critical Remaining Work

◆ Milestone



BCCCH - Structural Steel Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:17

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
 WE2-14900	New Structural Steel Seq. #29 Framing / Detailing - Area G Grid Line W6 - W5 [Roof]	30-Jan-21	01-Feb-21	2	2			 New Structural Steel Seq. #29 Framing / Detailing - Area G Grid Line W6 - W5 [Roof]											
 WE2-48471	Metal Deck - Area G Grid Line W6 - W5 [Roof]	03-Feb-21	05-Feb-21	3	3			 Metal Deck - Area G Grid Line W6 - W5 [Roof]											
 Area H - WG - WF																			
 W5 - W4																			
 Level 3																			
 WE2-14670	New Structural Steel Truss 134 / 135 Assembly - Area H Grid Line W5 - W4 [Level 3]	11-Feb-21	11-Feb-21	1	1			 New Structural Steel Truss 134 / 135 Assembly - Area H Grid Line W5 - W4 [Level 3]											
 WE2-14671	New Structural Steel Truss 134 / 135 Erection - Area H Grid Line W5 - W4 [Level 3]	12-Feb-21	12-Feb-21	1	1			 New Structural Steel Truss 134 / 135 Erection - Area H Grid Line W5 - W4 [Level 3]											
 WE2-14680	New Structural Steel Seq. #30 Framing / Detailing - Area H Grid Line W5 - W4 [Level 3]	13-Feb-21	15-Feb-21	2	2			 New Structural Steel Seq. #30 Framing / Detailing - Area H Grid Line W5 - W4 [Level 3]											
 WE2-48621	Metal Deck - Area H Grid Line W5 - W4 [Level 3]	16-Feb-21	18-Feb-21	3	3			 Metal Deck - Area H Grid Line W5 - W4 [Level 3]											
 Roof																			
 WE2-14690	New Structural Steel Seq. #31 Framing / Detailing - Area H Grid Line W5 - W4 [Roof]	16-Feb-21	17-Feb-21	2	2			 New Structural Steel Seq. #31 Framing / Detailing - Area H Grid Line W5 - W4 [Roof]											
 WE2-48481	Metal Deck Roof - Area H Grid Line W5 - W4 [Roof]	19-Feb-21	22-Feb-21	3	3			 Metal Deck Roof - Area H Grid Line W5 - W4 [Roof]											
 W4 - W2.8																			
 Level 3																			
 WE2-14700	New Structural Steel Truss 136 / 137 Assembly - Area H Grid Line W4 - W2.8 [Level 3]	20-Feb-21	20-Feb-21	1	1			 New Structural Steel Truss 136 / 137 Assembly - Area H Grid Line W4 - W2.8 [Level 3]											
 WE2-14701	New Structural Steel Truss 136 / 137 Erection - Area H Grid Line W4 - W2.8 [Level 3]	22-Feb-21	22-Feb-21	1	1			 New Structural Steel Truss 136 / 137 Erection - Area H Grid Line W4 - W2.8 [Level 3]											
 WE2-14710	New Structural Steel Seq. #32 Framing / Detailing - Area H Grid Line W4 - W2.8 [Level 3]	23-Feb-21	24-Feb-21	2	2			 New Structural Steel Seq. #32 Framing / Detailing - Area H Grid Line W4 - W2.8 [Level 3]											
 WE2-48661	Metal Deck - Area H Grid Line W4 - W2.8 [Level 3]	25-Feb-21	27-Feb-21	3	3			 Metal Deck - Area H Grid Line W4 - W2.8 [Level 3]											
 Roof																			
 WE2-14720	New Structural Steel Seq. #33 Framing / Detailing - Area H Grid Line W4 - W2.8 [Roof]	25-Feb-21	26-Feb-21	2	2			 New Structural Steel Seq. #33 Framing / Detailing - Area H Grid Line W4 - W2.8 [Roof]											
 WE2-48491	Metal Deck - Area H Grid Line W4 - W2.8 [Roof]	01-Mar-21	03-Mar-21	3	3			 Metal Deck - Area H Grid Line W4 - W2.8 [Roof]											
 Exhibition Hall - Long Span																			
 Area B - W1 - WH																			
 W11 - W10																			
 Level 3 (Roof)																			
 WE2-4452	Encase Col WH WH15 - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	05-Jan-21	11-Jan-21	5	5			 Encase Col WH WH15 - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]											
 WE2-47121	Encase Col WH WH12 - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	12-Jan-21	18-Jan-21	5	5			 Encase Col WH WH12 - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]											
 WE2-4560	Metal Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]	19-Jan-21	25-Jan-21	5	5			 Metal Deck - Long Span Area B Grid Line W11 - W10 [Level 3 / Roof]											
 W10 - W9																			
 Level 3 (Roof)																			
 WE2-47781	New Structural Steel Seq. #51 Framing / Detailing - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]	04-Jan-21	06-Jan-21	3	3			 New Structural Steel Seq. #51 Framing / Detailing - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]											
 WE2-42861	Metal Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]	07-Jan-21	12-Jan-21	5	5			 Metal Deck - Long Span Area B Grid Line W10 - W9 [Level 3 / Roof]											



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

BCCCH - Structural Steel Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:17

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021															
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
<div>Area C - WI - WH</div> <div>W9 - W8</div> <div>Level 3 (Roof)</div>						<div></div>	<div></div>	<div></div> New Structural Steel Truss 108-2/108-3/158 - 161 Assembly - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4611	New Structural Steel Truss 108-2/108-3/158 - 161 Assembly - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	04-Jan-21	08-Jan-21	5	5			<div></div> New Structural Steel Truss 108-2/108-3/161 Erection - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4613	New Structural Steel Truss 108-2/108-3/161 Erection - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	09-Jan-21	09-Jan-21	1	1			<div></div> New Structural Steel Truss 158 - 160 Erection - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4615	New Structural Steel Truss 158 - 160 Erection - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	11-Jan-21	11-Jan-21	1	1			<div></div> New Structural Steel Seq. #52 Framing - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4620	New Structural Steel Seq. #52 Framing - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	12-Jan-21	14-Jan-21	3	3			<div></div> New Structural Steel Seq. #53 Framing - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4782	New Structural Steel Seq. #53 Framing - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	15-Jan-21	19-Jan-21	3	3			<div></div> Encase Col WH W18 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-47151	Encase Col WH W18 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	19-Jan-21	25-Jan-21	5	5			<div></div> Metal Deck Roof - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-4640	Metal Deck Roof - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	20-Jan-21	25-Jan-21	5	5			<div></div> Encase Col WH W15 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-47161	Encase Col WH W15 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	26-Jan-21	01-Feb-21	5	5			<div></div> Encase Col WH W12 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]													
<div></div> WE2-47171	Encase Col WH W12 - Long Span Area C Grid Lines W8.6 - W8 [Level 3 / Roof]	02-Feb-21	08-Feb-21	5	5	<div></div> New Structural Steel Truss 110-2/110-3/162 - 165 Assembly - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]															
<div>W8 - W6</div> <div>Level 3 (Roof)</div>						<div></div>	<div></div>	<div></div> New Structural Steel Truss 110-2/110-3/162 - 165 Assembly - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-14467	New Structural Steel Truss 110-2/110-3/162 - 165 Assembly - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	15-Jan-21	20-Jan-21	5	5			<div></div> New Structural Steel Truss 110-2/-110-3/165 Erection - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-14469	New Structural Steel Truss 110-2/-110-3/165 Erection - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	21-Jan-21	21-Jan-21	1	1			<div></div> Structural Steel Seq. 48 thru 54 & 24 thru 27 Visual Inspection													
<div></div> WE2-4189	Structural Steel Seq. 48 thru 54 & 24 thru 27 Visual Inspection	22-Jan-21	22-Jan-21	1	1			<div></div> New Structural Steel Truss 162 - 164 Erection - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-14471	New Structural Steel Truss 162 - 164 Erection - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	22-Jan-21	22-Jan-21	1	1			<div></div> New Structural Steel Seq. #54 - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-14590	New Structural Steel Seq. #54 - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	23-Jan-21	26-Jan-21	3	3			<div></div> New Structural Steel Seq. #55- Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-4781	New Structural Steel Seq. #55- Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	27-Jan-21	29-Jan-21	3	3			<div></div> Metal Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]													
<div></div> WE2-42921	Metal Deck - Long Span Area C Grid Lines W8 - W6 [Level 3 / Roof]	30-Jan-21	10-Feb-21	10	10	<div></div> New Structural Steel Truss 112-2/3, 113-2/3, 166 - 169 Assembly- Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]															
<div>W6 - W5</div> <div>Level 3 (Roof)</div>						<div></div>	<div></div>	<div></div> New Structural Steel Truss 112-2/3, 113-2/3, 166 - 169 Assembly- Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]													
<div></div> WE2-14565	New Structural Steel Truss 112-2/3, 113-2/3, 166 - 169 Assembly- Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	27-Jan-21	01-Feb-21	5	5			<div></div> New Structural Steel Truss 112-2 / 112-3 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]													
<div></div> WE2-14567	New Structural Steel Truss 112-2 / 112-3 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	02-Feb-21	02-Feb-21	1	1			<div></div> New Structural Steel Truss 113-1 / 113-2 / 169 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]													
<div></div> WE2-14569	New Structural Steel Truss 113-1 / 113-2 / 169 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	03-Feb-21	03-Feb-21	1	1			<div></div> New Structural Steel Truss 166 - 168 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]													
<div></div> WE2-14571	New Structural Steel Truss 166 - 168 Erection - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	04-Feb-21	04-Feb-21	1	1			<div></div> New Structural Steel Seq. #56 Framing / Detailing - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]													
<div></div> WE2-14610	New Structural Steel Seq. #56 Framing / Detailing - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	05-Feb-21	08-Feb-21	3	3																



■ Remaining Level of Effort

■ Actual Level of Effort

■ Actual Work

■ Remaining Work

■ Critical Remaining Work

◆ Milestone

BCCCH - Structural Steel Remaining Work in 2021

Data Date: 20-Dec-20  
Print Date: 09-Dec-20 14:17

Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021													
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<div></div> WE2-47801	New Structural Steel Seq. #57 Framing / Detailing - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	09-Feb-21	11-Feb-21	3	3			<div></div> New Structural Steel Seq. #57 Framing / Detailing - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]											
<div></div> WE2-42951	Metal Deck Roof C - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]	12-Feb-21	23-Feb-21	10	10			<div></div> Metal Deck Roof C - Long Span Area C Grid Lines W6 - W5 [Level 3 / Roof]											
<div></div> Area D - WI - WH																			
<div></div> W5 - W4																			
<div></div> Level 3 (Roof)																			
<div></div> WE2-47201	Encase Col WH W18 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	09-Feb-21	15-Feb-21	5	5			<div></div> Encase Col WH W18 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
<div></div> WE2-17202	New Structural Steel Truss 115-2/3, 170 - 173 Assembly - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	10-Feb-21	15-Feb-21	5	5	<div></div> New Structural Steel Truss 115-2/3, 170 - 173 Assembly - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> WE2-47211	Encase Col WH W15 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	16-Feb-21	22-Feb-21	5	5	<div></div> Encase Col WH W15 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> WE2-47212	New Structural Steel Truss 115-2 / 115-3 / 173 Erection - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	16-Feb-21	16-Feb-21	1	1			<div></div> New Structural Steel Truss 115-2 / 115-3 / 173 Erection - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
<div></div> WE2-47213	New Structural Steel Truss 170 - 173 Erection - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	17-Feb-21	17-Feb-21	1	1			<div></div> New Structural Steel Truss 170 - 173 Erection - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
<div></div> WE2-4700	New Structural Steel Seq. #58 Framing / Detailing - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	18-Feb-21	20-Feb-21	3	3	<div></div> New Structural Steel Seq. #58 Framing / Detailing - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> WE2-4783	New Structural Steel Seq. #59 Framing / Detailing - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	22-Feb-21	24-Feb-21	3	3	<div></div> New Structural Steel Seq. #59 Framing / Detailing - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> WE2-47221	Encase Col WH W12 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	23-Feb-21	01-Mar-21	5	5	<div></div> Encase Col WH W12 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> WE2-4740	Metal Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	25-Feb-21	02-Mar-21	5	5			<div></div> Metal Deck - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
<div></div> WE2-47231	Encase Col WI W15 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	02-Mar-21	08-Mar-21	5	5			<div></div> Encase Col WI W15 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]											
<div></div> WE2-47241	Encase Col WI W12 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]	09-Mar-21	15-Mar-21	5	5	<div></div> Encase Col WI W12 - Long Span Area D Grid Line W5 - W4 [Level 3 / Roof]													
<div></div> W4 - W2.8																			
<div></div> Level 3																			
<div></div> WE2-53341	New Structural Steel Truss 174 - 177 Assembly - Long Span Area D Grid Line W4 - W2.8 [Level 3]	23-Feb-21	26-Feb-21	4	4			<div></div> New Structural Steel Truss 174 - 177 Assembly - Long Span Area D Grid Line W4 - W2.8 [Level 3]											
<div></div> WE2-53351	New Structural Steel Truss 174 - 177 Erection - Long Span Area D Grid Line W4 - W2.8 [Level 3]	01-Mar-21	01-Mar-21	1	1			<div></div> New Structural Steel Truss 174 - 177 Erection - Long Span Area D Grid Line W4 - W2.8 [Level 3]											
<div></div> WE2-4786	New Structural Steel Seq. #60 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Level 3]	02-Mar-21	08-Mar-21	5	5	<div></div> New Structural Steel Seq. #60 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Level 3]													
<div></div> WE2-4787	New Structural Steel Seq. #61 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Level 3]	09-Mar-21	15-Mar-21	5	5	<div></div> New Structural Steel Seq. #61 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Level 3]													
<div></div> WE2-44041	Metal Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]	27-Mar-21	07-Apr-21	10	10	<div></div> Metal Deck - Long Span Area D Grid Line W4 - W2.8 [Level 3]													
<div></div> Roof																			
<div></div> WE2-14650	New Structural Steel Seq. #62 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Low Roof]	16-Mar-21	20-Mar-21	5	5			<div></div> New Structural Steel Seq. #62 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Low Roof]											
<div></div> WE2-4720	New Structural Steel Seq. #63 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Low Roof]	22-Mar-21	26-Mar-21	5	5	<div></div> New Structural Steel Seq. #63 Framing / Detailing - Long Span Area D Grid Line W4 - W2.8 [Low Roof]													
<div></div> WE2-7143	Structural Steel Seq. 56 thru 63 & 28 thru 33 Visual Inspection	26-Mar-21	26-Mar-21	1	1	<div></div> Structural Steel Seq. 56 thru 63 & 28 thru 33 Visual Inspection													
<div></div> WE2-4800	Metal Deck - Long Span Area D Grid Line W4 - W2.8 [Low Roof]	08-Apr-21	19-Apr-21	10	10	<div></div> Metal Deck - Long Span Area D Grid Line W4 - W2.8 [Low Roof]													



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

BCCCH - Structural Steel Remaining Work in 2021

Data Date: 20-Dec-20  
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Activity ID	Activity Name	Start	Finish	Orig. Dur.	Rem. Dur.	2021												
						Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<div><div>New Loading Dock</div><div>Area A</div><div>WE2-46821</div><div>Capital Improvement</div><div>Existing Building NE Corner Stair Tower</div><div>Buyout and Procurement</div><div>Procurement</div><div>Structural Steel</div><div>WE2-9145</div><div>WE2-9148</div><div>Construction</div><div>Foundations and Structure</div><div>WE2-9238</div></div>	Install Steel Columns - Area A New Loading Dock	12-Feb-21	15-Feb-21	2	2	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div> Install Steel Columns - Area A New Loading Dock</div>											
	Structural Steel (Beams, Columns, & Steel Plates) - A/E Approval	13-Jan-21	26-Jan-21	10	10		<div><div></div> Structural Steel (Beams, Columns, &amp; Steel Plates) - A/E Approval</div>											
	Structural Steel (Beams, Columns, & Steel Plates) - Fab & Deliver	27-Jan-21	23-Mar-21	40	40		<div><div></div> Structural Steel (Beams, Columns, &amp; Steel Plates) - Fab &amp; Deliver</div>											
	Steel, Decking and Columns	24-Mar-21	20-Apr-21	20	20		<div><div></div> Steel, Decking and Columns</div>											

# UPDATED COVID-19 PLAN FOR BCCCH OFFICE AND FIELD

Date Modified: 12/10/2020

COVID Plan Captain: Lisa Falso

## GUIDELINES FOR OFFICE

This plan is effective immediately for all Balfour Beatty employees working at the BCCCH project office located at 1799 SE 17<sup>th</sup> Street. Any employees with constraints such as childcare, family members with underlying conditions, etc. that are being affected by COVID-19 must contact John Parker to discuss any potential concerns.

The following is the guide moving forward for the foreseeable future:

### Office Hygiene

Due to Covid-19 there will be a continued effort to improve the overall hygiene of the BCCCH office and the project site.

Balfour Beatty will perform office cleanings consistent, to the greatest degree possible, with the CDC guidelines: <https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/cleaning-disinfection.html>

1. In addition to the CDC guidelines Balfour Beatty has employed a full-time cleaning person (Sharonda Neil) to sanitize all door handles, surfaces, desk, etc. Please accommodate Sharonda and thank her daily!
2. Wash your hands with soap and water or use hand sanitizer, especially after touching used items or surfaces. This must be done when you enter the building.
3. Avoid touching your face
4. Sneeze or cough into a tissue, or the inside of your elbow
5. Disinfect frequently used items and surfaces as much as possible
6. Continue using face coverings while in public, and particularly when using mass transit
7. Restrooms
  - a. Personnel are required to wear face covering when entering restrooms
  - b. All Employees and Guests must wash their hands when leaving the restroom
  - c. Waste cans will be no touch and will be located in and out of restrooms
  - d. Waste to be removed throughout the day
8. Restrict **COMMON AREAS** (Breakroom 2-person limit) to be used for heating up food, putting food in the fridge, and/or getting coffee/water/soda. There will be no consumption of food in the kitchen.

### **People Who Feel Sick Must Stay at Home**

1. DO NOT GO TO WORK – contact your manager
2. If you go to the doctor please self-quarantine in accordance with the doctor's and/or CDC recommendations

12/10/20

## 8.8 COVID 19 Project Protocols

**COVID-19 PLAN** | Version 1

## Office Personnel - Social Distancing Requirements

- You must follow Social Distancing guidelines as outlined in the CDC.
- In order to Social Distance in the office please:
  - Do not enter another employee's office.
  - Stand outside door.
  - No more than 1 person in the hallway outside an office at a time.
- All employees will wear **PROTECTIVE** cloth face coverings/face mask when work requires less than 6 feet of separation and when walking through the office. This includes all public spaces.
- Personal accountability for cleaning and disinfecting high touch surfaces
  - Each employee will be provided a bottle of hand sanitizer at desk
  - Hand sanitizer will be located on each side of all doors
  - We will have trash cans on either side of all doors
  - Disinfectants will be available in each area of the office for your use
- We will be spacing all workstations in open areas to ensure 6' or more of separation
- For the foreseeable future we will be utilizing **TELEWORK**, Microsoft Team site, GoToMeetings for all project team meetings and for any meetings with 10 or more individuals (when meeting outside of the TELEWORK mask must be worn)
- Minimize **NON-ESSENTIAL** Travel. If you do have to travel, please advise your supervisor prior to travel.
- When transporting between the office and field make sure that you sanitize the vehicle and face coverings must be worn in accordance with CDC.
- **VISITORS should be discouraged from entering office, if required, individuals** must sign in and follow the same guidelines as written in this plan. All Visitors must schedule an appointment. No walk-ins allowed.
- Everyone is encouraged to bring their food and eat at their desk.

### Logistics:

Reference attached plan. There is a dedicated access point exclusively for ingress/egress to/from the office to support social distancing as recommended by the CDC.

Please note that all doors are to remain locked and you must always carry your key card access with you at all times. We are installing an AI Phone at the reception desk glass door. This will allow Lisa to communicate with and control access at the glass door.

No guests are allowed in the building without prior communication with Lisa Falso.

**NOTE ALL EMPLOYEES AND GUEST MUST BE SCANNED BY THE THERMAL IMAGING CAMERA LOCATED AT THE OFFICE LOBBY EVERY TIME THEY ENTER THE OFFICE. IF ANYONE IS SCANNED AND IDENTIFIED AS HAVING AN ABNORMAL TEMPERATURE (AS NOTED BY THE THERMAL IMAGING CAMERA) WILL BE ASKED TO LEAVE THE OFFICE AND NOT RETURN UNTIL THEY HAVE RECEIVED A RELEASE FROM A DOCTOR.**

- We have taken into consideration corridors for one-way travel to minimize interaction with others. Foot traffic in the office shall be one way. See map below for routes and direction of travel. We will post signs to indicate direction of travel through the office.
- Stairwells are one-way, signage will be posted

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## 8.8 COVID 19 Project Protocols

**COVID-19 PLAN** | Version 1



- We are encouraging everyone to utilize the stairs if possible. If not, only one person per elevator

**AS A BACKUP PLAN ALL EMPLOYEES NEED TO HAVE A WORKSTATION AT THE OFFICE AND THEIR HOME. BBC WILL PROVIDE MONITORS FOR YOUR OFFICE AT HOME IF NEEDED. ALL MONITORS MUST BE RETURNED TO BBC AFTER THE COVID 19 IS OVER.**



#### **GUIDELINES FOR FIELD**

1. All team members must communicate the plan daily
2. Checks are completed at the gate, entrance to the work, during morning safety huddles and periodic checks through the work day.
3. Plan must be updated based on the progress of the work/change conditions.
4. Constant recommunication of the plan / plan updates

#### **Items to check daily in the field:**

1. Signage at the gates, fence and within the project limits showing social distancing
2. We have a person at each entrance that stops every person to visually inspect to ensure they are not showing any of the main signs of the COVID-19 (fatigue, cough, breathlessness, etc..) and to educate them in English and Spanish what social distancing is. If someone shows any signs of COVID-19 per the CDC they are not allowed to enter the site.
3. Ensure team members walk around all day making sure that everyone is staying 6' away. There are some instances where the individuals do to safety reason do have to be within 6' but limited to actual need. Subs are to identify who on the teams are working near each other to track should one of them become symptoms

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## **8.8 COVID 19 Project Protocols**

**COVID-19 PLAN** | Version 1

4. Cleaning team members must clean all surfaces non-stop all day (toilets, tables, handles, gates, etc)
5. All morning meeting are to be handled separately to ensure there are no large groups of people in one area. The individual groups stay at least 6 feet away from each other.
6. Document daily with pictures to show the separation
7. The helicopter flies over once a day to take pictures of the site to verify social distancing is happening. Ensure we are reviewing the pictures for social distancing
8. All AHJ's have assigned parking to ensure there is separation around them and they have clear access to the site without interacting with the workers
9. If someone is identified to be sick/potentially sick we will immediately stop work in the area and disinfect the tools, equipment and area the worker was working. Anyone working near the worker will be asked to leave and self-quarantine and must provide a note from a doctor before they return.
10. Every subcontractor must have a COVID-19 plan and monitor their plan
11. Leadership must walk once a week with the prime subs to ensure we are working together to address any concerns
12. We have added a safety person to the site for another set of eyes and to ensure we are working safely
13. We have increased the servicing schedule of the port-o-lets and hand wash stations to daily
14. Lunch and break areas are set-up to adhere to the 6ft separation
15. Self-serve from lunch truck has been eliminated. Designated person distributes contents.

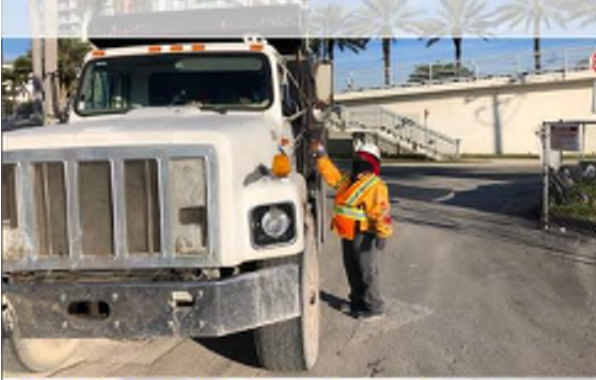


12/10/20

**COVID-19 PLAN** | Version 1

## 8.8 COVID 19 Project Protocols

All Delivery Drivers Must Be Temperature Checked and Advised Of COVID-19 Protocols



All Workers Must Be Temperature Checked and Advised Of COVID-19 Protocols at the Site Gate and Building Entrance.



All Workers Must Be Temperature Checked Utilizing the Thermal Imaging Camera and Advised Of COVID-19 Protocols at the Building Entrance.



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## 8.8 COVID 19 Project Protocols

**COVID-19 PLAN** | Version 1



## Rain Fall Information for 2020

2020 Actual Rainfall

5 Year Actual Rainfall

	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total Rainfall	5 YR Average			
May-2015	0	0	0	0	0.73	0.13	0.03	0.35	0	0	0	0.03	0.32	0	0	0	0.12	0	0	0	0	0	0.03	0	0.15	0.01	0.04	0	0.03	0	0	1.97	5.712			
May-2016	0	0	0	1.86	0	0	0	0	0	0	0	0	0	0.13	0	0	0.12	0.62	0.06	0	0.11	0	0	0.51	0	0.04	0	1.18	0	0	0.02	4.65				
May-2017	0	0.2	0	0.16	0.18	0	0	0	0	0	0	0	0	0.36	0	0	0.08	0.25	0.23	0	0	0	0	0.86	0.5	0	0	0	0	0	0	2.82				
May-2018	0	0	0.18	0.18	0.1	0.72	0	0	0	0	0	0	1.67	0.54	1.2	0	0.44	0.01	0.87	5.27	0.25	0	0.14	0.17	0.67	0.71	1.29	0.03	0.49	0	0.22	15.15				
May-2019	0.1	2.12	0.23	0	0.15	0.35	0	0	0	0.04	0	0.37	0	0.18	0.15	0	0	0	0.28	0	0	0	0	0	0	0	0	0	0	0	3.97					
Daily Average	0.02	0.46	0.08	0.44	0.23	0.04	0.01	0.07	0.00	0.00	0.01	0.01	0.47	0.21	0.28	0.03	0.15	0.18	0.23	1.11	0.07	0.00	0.03	0.31	0.26	0.15	0.27	0.24	0.10	0.00	0.05	16.07				
May-2020	0	0	0	0	0	0	0	0	0	0.23	0.01	0	0	0.01	3.04	1.32	0.1	3.31	0.29	0.06	0.15	0.2	0.05	2.05	4.03	1.2	0.02	0	0	0	0	0				
	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total Rainfall	5 YR Average	
Jul-2015	0	0	0	0	0	0.18	0.03	0	0	0	0	0	0	0	0.19	0.01	0.04	0.21	0.01	0.65	0	0.02	0	0	1.05	0	0.01	0	0	0	0	0.33	3.03			
Jul-2016	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0.22	0.06	0	0.48	0	0	0	0.13	0	0	0.04	0	0.54	0	0	0.33	0	0.04	2.41			
Jul-2017	0	0.53	0	0	0.08	0	0	0.15	0	0.48	0.16	0.37	0.5	0.01	0	0.24	0.11	0	0.15	0.23	0.97	0	0	0	0	0	0	0	0	0.15	1.51	0.16	5.8			
Jul-2018	0.11	0	0.59	0.01	0	0	0	0	0.59	0	0	0	0	0	0.01	0	0	0.9	0	0.2	0	0.69	0.02	0.01	0.19	0	0.23	0.13	0.04	0.78	0.08	4.58				
Jul-2019	0	0	0	0.22	0.07	0.23	0.72	0	0	0.13	0.03	0	0	0	0	0.04	0.06	0	0.28	0.02	0	0.08	0.19	0.5	0.15	0.07	0	0	0	0.45	0.3	3.54				
Daily Average	0.08	0.11	0.12	0.00	0.06	0.05	0.05	0.17	0.00	0.21	0.06	0.08	0.19	0.05	0.02	0.09	0.13	0.32	0.03	0.15	0.22	0.20	0.02	0.05	0.35	0.14	0.06	0.03	0.10	0.55	0.18	0	0			
Jul-2020	0.01	0.09	0	0.14	1.32	0.16	0	0.19	0	0.01	0.37	0	0	0.37	0.22	0	0	0.96	0.85	0	0.18	0.56	1.63	0.68	0.47	0.01	0.01	0	0	0	0	0	8.23			
	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Rainfall	5 YR Average			
Aug-2015	0	0.69	0	0	0	0	0	0.06	0.16	0.01	0.05	0	0.2	0.07	0.93	0.88	0	0	0	0	0	0	0	0.12	1.71	0.03	0	0.12	0.72	0	0	5.75				
Aug-2016	0.55	1.17	0.08	0	0	0.78	0.17	0.31	0.01	0	0	0.55	0.04	0.11	0.05	0.34	0.12	0.04	0	0	0	0	0	0.39	0.12	0.06	0.19	0.09	0.19	1.37	0.44	7.17				
Aug-2017	0.15	0	0	0	0	0.32	0	0.02	0	3.43	0.68	0	0	0	0	0	0	0	0.18	0.04	0.14	0.01	2.81	2.56	1.05	0.82	2.33	0	0	0	0	14.54				
Aug-2018	0.02	0.01	0	0.48	0.13	0.01	0	0	0.31	0.02	0	0	0.76	0	0.01	0	0	0.2	0.19	0	0	0.02	0.73	0	1.14	0.03	0	0.27	0.29	0.51	0.14	5.27				
Aug-2019	1.02	0.86	0.18	2.36	0.2	0.08	0.1	0.34	0.05	0	0.43	0.03	0.51	0.29	0.49	0	0.27	0	0	0.1	0	0.11	0.69	0.47	0.05	0	1.95	0.01	0.12	0.77	0.5	11.98				
Daily Average	0.35	0.55	0.05	0.57	0.07	0.24	0.05	0.15	0.04	0.75	0.24	0.12	0.30	0.09	0.30	0.24	0.08	0.05	0.04	0.06	0.01	0.05	0.29	0.73	0.80	0.57	0.60	0.54	0.14	0.67	0.22	0				
Aug-2020	2.23	0.31	1.16	2.92	0.71	0.84	0	0	0	0	0	0	0	0	1.09	0	0.58	1.27	0	0	0.13	0.04	0.41	0	0.01	0	0	0.05	0.58	1.39	13.72	0				
	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total Rainfall	5 YR Average
Sep-2015	0.1	0.1	0	1.24	0.39	0.01	0.17	0.08	0	0	0.01	1.2	0.75	0	0.31	1.46	1.27	0.83	0.22	0.01	0.1	1.44	0	0.07	0	0.01	0	0	0.33	0	0	0	10.1			
Sep-2016	0	0	0	0	0.18	0	0.12	0.96	0	0	0.02	0.11	0.29	0	0	0	0	0	0.75	0.45	0	0.01	0	0.03	0	0	1.46	0.2	0.04	0.15	0	0	4.77			
Sep-2017	0	0.02	0	0.08	0	0.52	0	0.01	2.68	4.3	0	0	0	0	0	0.07	0	0	0.05	0	0.22	0.61	0	2.31	0	0.49	0.01	0.05	0.53	0	0	0	11.95			
Sep-2018	0.09	2.08	1.71	0.21	0.15	0.04	0.28	0	0.22	0	0	0	0	0.05	0.03	0	0.09	0	0.02	0	0	0	0	0	0	0	0	0	0.03	0.53	0	5.54				
Sep-2019	0.05	0.75	0.1	0	0	0	0	0	0	0	0.07	0.22	0.02	0	0	0	0	0	0	0.02	0.05	0	0	0	0	0	0	0	0	0.03	0	1.33				
Daily Average	0.05	0.59	0.36	0.31	0.14	0.11	0.21	0.58	0.86	0.01	0.28	0.25	0.01	0.07	0.31	0.27	0.17	0.21	0.10	0.07	0.41	0.00	0.48	0.00	0.10	0.29	0.05	0.19	0.14	0	0	0	22.66			
Sep-2020	0	0	0	0	0	0.4	0	0.01	0.1	0.21	0.06	0.23	0	0.07	0	0	0	0	0	0	0	0	0.03	4.12	9.05	0	0	0.1	3.88	0	0	0	0			
	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Rainfall	5 YR Average	
Oct-2015	0	0	0	0	0.13	0.03	0.03	0	0	0.01	0	0	0.09	0	0	0.18	0	0	0	0	0	0.09	0.38	0.74	0	0.02	0.14	0.87	0	0	0	0	2.71			
Oct-2016	0.26	0.06	0.63	0	0	1.19	0	0	0	0	0.03	0.12	0	0.54	0.24	0	0	0.14	0	0	0	0	0	0	0.01	0.01	0	0.03	0.06	0	0	0	3.32			
Oct-2017	0	0.2	0.72	0.28	0.46	0	0.01	0	0.09	0.08	0.05	0.5	0.11	0	0	0.04	0	0.32	0.21	0	0.28	0	0	0.49	0.2	0	0	2.18	0.79	0	0	7				
Oct-2018	0.43	0.13	0	0.01	0	0.14	0.06	0.09	0.03	0.05	1.18	0	0	0	0.03	0	0	0.02	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	2.23			
Oct-2019	0.04	0.03	0.02	0	0.03	0.13	1.1	0.1	0.04	0	0.87	0	0	0	0	0	0	0.16	0	0	0	0	0	0	0	0.06	0.39	0	0	0	0.04	0	3.01			
Daily Average	0.15	0.08	0.27	0.06	0.12	0.30	0.24	0.04	0.03	0.03	0.42	0.11	0.06	0.00	0.11	0.06	0.00	0.10	0.08	0.03	0.06	0.01	0.02	0.17	0.20	0.08	0.01	0.46	0.34	0.02	0.00	0	0			
Oct-2020	9.21	0.69	1.95	0	0	0.25	0	0	0	0	0.82	0.13	0.31	0	0	0	0.17	0	0	0.16	0.01	0.32	1.36	0	0.05	4.61	0	0	0	0.04	0	0.34	20.42	0		
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Total Rainfall	5 YR Average				
Nov-2015	0	0	0	0.07	0.01	0.52	0	0.03	0	0	0	0	0	0.56	0.38	0.19	0.78	0.06	0	0	0.04	0.87	0.55	0	0	0.09	0	0	0	0	0	4.88				
Nov-2016	0	0	0	0.09	0.34	0.01	0	0	0	0	0	0	0	0	0	0.42	0	0	0	0	0	0	0	0.02	0.02	0.01	0	0.07	0	0.73	0	1.04				
Nov-2017	0	0	0.12	0.14	0	0.01	0	0.02	0	0.4	0.15	0.07	0.01	0.04	0.54	0.09	0	0	0	0	1.85	0.02	0.46	0	0	0	0.06	0.53	1.25	0	5.76					
Nov-2018	0	0.01	0.01	0.26	0	0	0.02	0	0.01	0.05	1.42	0.48	0.12	0.04	0.07	0	0	0	0.07	0	0	0.04	0	0	0	0	0	0	0	0	0	2.6				
Nov-2019	0	0	0.67	0.07	0.04	0	0	0	0.02	0.28	0.07	0	0	1.76	2.25	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.93				
Daily Average	0.00	0.00	0.16	0.13	0.08	0.11	0.00	0.01	0.06	0.10	0.31	0.11	0.49	0.54	0.36	0.17	0.01	0.00	0.00	0.02	0.54	0.12	0.10	0.04	0.02	0.00	0.01	0.12	0.25	0.16	0	0				
Nov-2020	0.05	0	0	0	0.66	0.19	1.88	5.93	0.07	0	0.14	0.88	0	0.39																						



December 17, 2020

Mr. Thomas Stedem  
Senior Project Manager  
Balfour Beatty  
1799 SE 17th Street  
Fort Lauderdale, Florida 33316

Re: Report of Noise Level Estimation – Additional Hours  
Broward County Convention Center  
1950 Eisenhower Boulevard  
Fort Lauderdale, Florida  
Project 16698  
Proposal 20-0911

Dear Mr. Stedem:

NV5 Inc. submits this letter in fulfillment of the requested scope of service. NV5 has been providing Noise Monitoring Summary reports. This report provides a summary of the information collected since the previous report.

The project site is located at 1950 Eisenhower Boulevard. In October 2020, a monitoring unit was placed at the southeast corner of the building at 1799 SE 17<sup>th</sup> Street, Fort Lauderdale, FL.

Noise Monitoring starting in October, 2020 and is currently ongoing. This report addresses the information recorded from October 31, 2020 to December 15, 2020.

#### **PURPOSE**

The purpose of our services on this project were to: provide a review of noise levels that could be expected at adjacent condominium property line north of the convention center for construction at hours outside of those outlined within the City of Fort Lauderdale noise regulations.

#### **NOISE MONITORING EQUIPMENT**

NV5, in conjunction with Geosonics, provided noise monitoring equipment to the project. For this project a Re:mote Noise Level Meter operated at the southeast corner of the building at 1799 SE 17<sup>th</sup> Street, Fort Lauderdale, FL. Normally a noise limit is provided. We understand that a specific limit for noise was not provided for this project.

#### **Remote Equipment**

NV5 provided Re:mote Noise Level Meter monitoring equipment to the project. The monitoring units run daily providing the summary records that are transmitted and reported daily to an online site. The unit

14486 Commerce Way | Miami Lakes, FL 33016 | [www.NV5.com](http://www.NV5.com) | Office 305.666.3563 | Fax 305.666.3069

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL

## 8.10 NV5 Signed and Sealed Engineered Calculation

transmits the data to us daily and we review the day's noise levels and cite the maximum value recorded each day.

The reports online summarize the noise levels a day at a time from the instrument location. They are histogram format or vertical bars of the vibration levels recorded during the day.

#### REVIEW OF NOISE MONITORING DATA

Based on the attached report, noise limits of the City of Ft. Lauderdale that are represented by 60 dBA during day time hours and 50 dBA during night time hours, can't be met due to the fact that the noise from the adjacent street and associated community produce levels in the range of 60-70 dBA. These levels were recorded during the above mentioned period consistently and we highly recommends these levels to be considered as acceptable ambient levels of noise for this project only.

Attached to this letter is the summary of the Re:mote noise data collected for the time period of October 31, 2020 through December 15, 2020 and estimates that the noise levels during extended hours projected to the north properties would not be in excess of the noise regulations of the City.

Complete copies of the data for each day have been available online.

#### CLOSURE

We appreciate the opportunity to be of service. In the event you have questions about information in this report, please contact the undersigned.

Sincerely,  
NV5 Inc.

Glenn Massinger  
Project Manager



Attachments: Re:mote Unit Noise Summary Report (11 pages)  
2 Copies to Addressee via U.S. Mail  
Copy to NV5 File

NV5

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL

## 8.10 NV5 Signed and Sealed Engineered Calculation





December 18, 2020

[GeoSonics.com](http://GeoSonics.com)

Glenn Massinger, Project Manager  
NV5  
14486 Commerce Way  
Miami Lakes FL 33016

Suite 4  
6900 S. W. 21<sup>st</sup> Court  
Davie, FL 33317

**Phone** 954.424.2101  
**Fax** 954.424.2104

Re: Broward Convention Center – Noise Level Estimation – Additional Hours

Dear Mr. Massinger:

Per your request I am providing a review of noise levels that could be expected at the adjacent condominium property line to the north of the convention center for construction at hours outside of those outlined within the City of Fort Lauderdale noise regulations. Construction is currently operating at hours of 8:00 am to 7:00 pm. Due to time requirements on the project the proposed working hours will be 7:00 am to 10:00 pm the following day. As noise level monitoring has been completed with a Re:mote™ Noise Level Meter operated at the southeast corner of the building at 1799 SE 17<sup>th</sup> Street, Fort Lauderdale, FL this letter covers our opinion on the noise levels expected.

Noise is measured at ground level at the “receiving land use” property line according to the Fort Lauderdale Noise Code. With the unit in its existing location it is on the ground level with a microphone approximately 4 – 5’ off the ground consistent with how noise is to be measured. The noise is measured in a line consistent with the property line / building area of the structures north of SW 17<sup>th</sup> Street. The levels measured at this point would be consistent with those for comparison to the City code. The noise levels measured from the installation on October 31 through December 15 have been considered.

The extended hours that would be used in the upcoming work would be primarily for steel erection located at the northwest corner of the site extending south and parallel with the existing convention center. The closest area to the condominium to the north is approximately 570 feet. Associated with this work would be the use of a forklift that generates 85 dBA at a distance of 50 feet. This level is the estimated maximum and calculated at the closest point of the operation. As this is mobile equipment the peak level only occurs when the forklift would be in that closest area. At other times since the project would work south to north the levels would be consistently lower.

In order to determine compliance with the City regulations a calculation of noise at the adjacent properties is necessary. Noise reduces with distance and using a standard calculation noise may be predicted based upon an initial level and

## 8.10 NV5 Signed and Sealed Engineered Calculation

distance. The use of the inverse square law allows predication in that a sound level (intensity) will drop off as distance increases. This law which has been demonstrated by evidence and actual measurement calculates a six (6) decibel drop with a doubling of the distance in feet. Considering the 85 decibel level for the forklift at 570 feet noise would reduce to 64 dBA.

The predicted level is presuming no uninterrupted path for the sound and that no existing levels are considered. In this case the elevated section of the SE 17<sup>th</sup> Street Bridge over the Intracoastal Waterway would provide shielding and reduced noise at the property line. However, the largest reduction of noise would be the shadowing of any noise at the Convention Center by existing noise from the community and traffic on SE 17<sup>th</sup> Street.

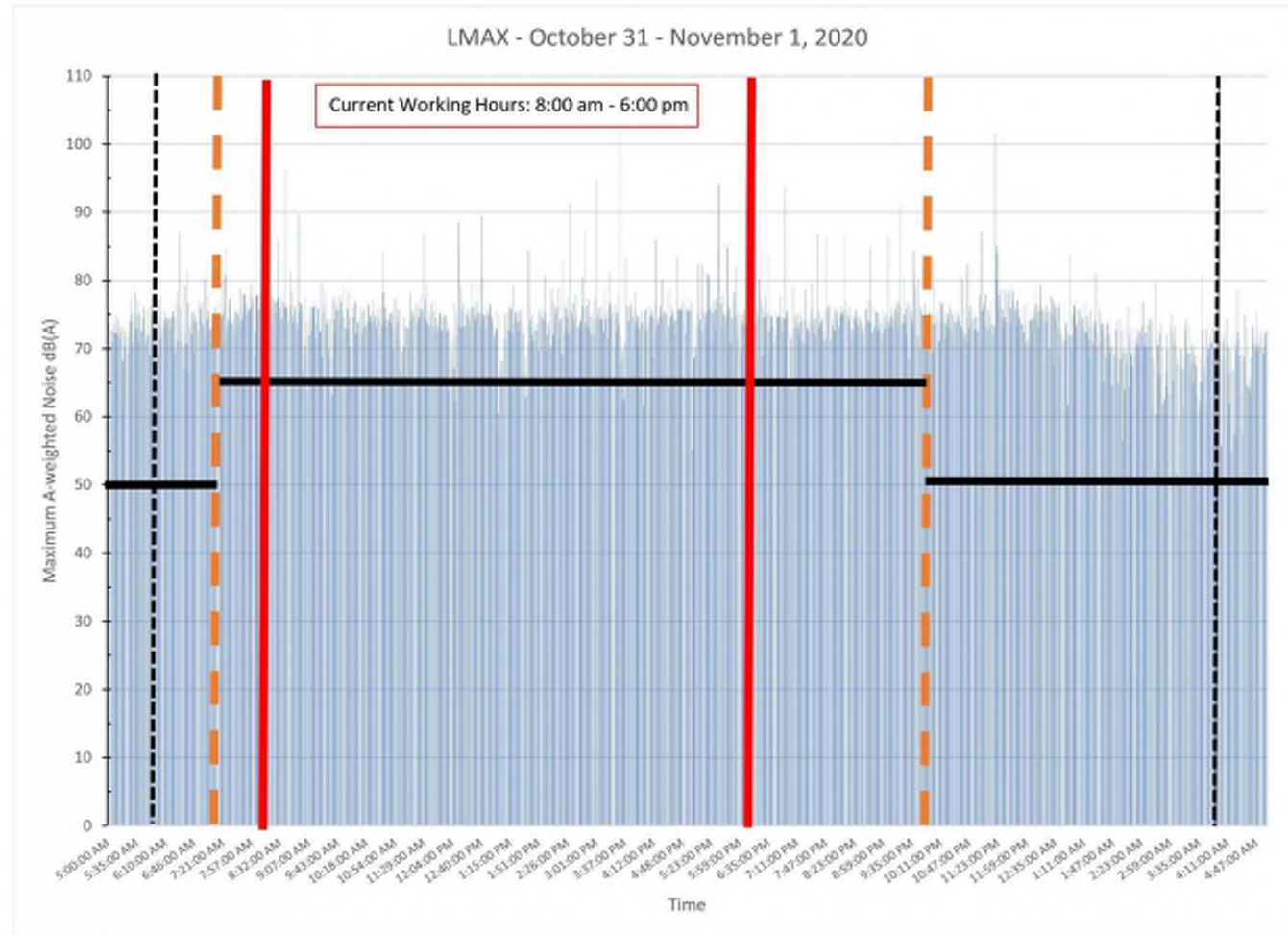
Measured levels from October 31, 2020 through December 16, 2020 show that noise from the adjacent street area and associated community produce levels that do not regularly go below 60-65 decibels up to 70 decibels. This data shows a solid noise level that exists over this period consistently. This may be considered as the "ambient" level of noise. Graphs are attached following the conclusion of this letter that show data from the noise meter for a series of dates which also identify City time frames and working shifts. Also shown are two graphs showing overall noise levels as the one minute maximum levels from October 28 through December 16, 2020. As the noise levels are 60 – 65 decibels at the minimum the 64 dBA generated by the forklift would be obscured by community ambient levels. Also, considering the noise levels occur 24-hours over this range of noise, the 60 dBA daytime and 50 dBA nighttime noise limits of the City cannot be met due to ambient conditions. In our opinion the noise levels projected to the north properties would not be in excess of the noise regulations of the City.

If you have any questions please feel free to contact me.

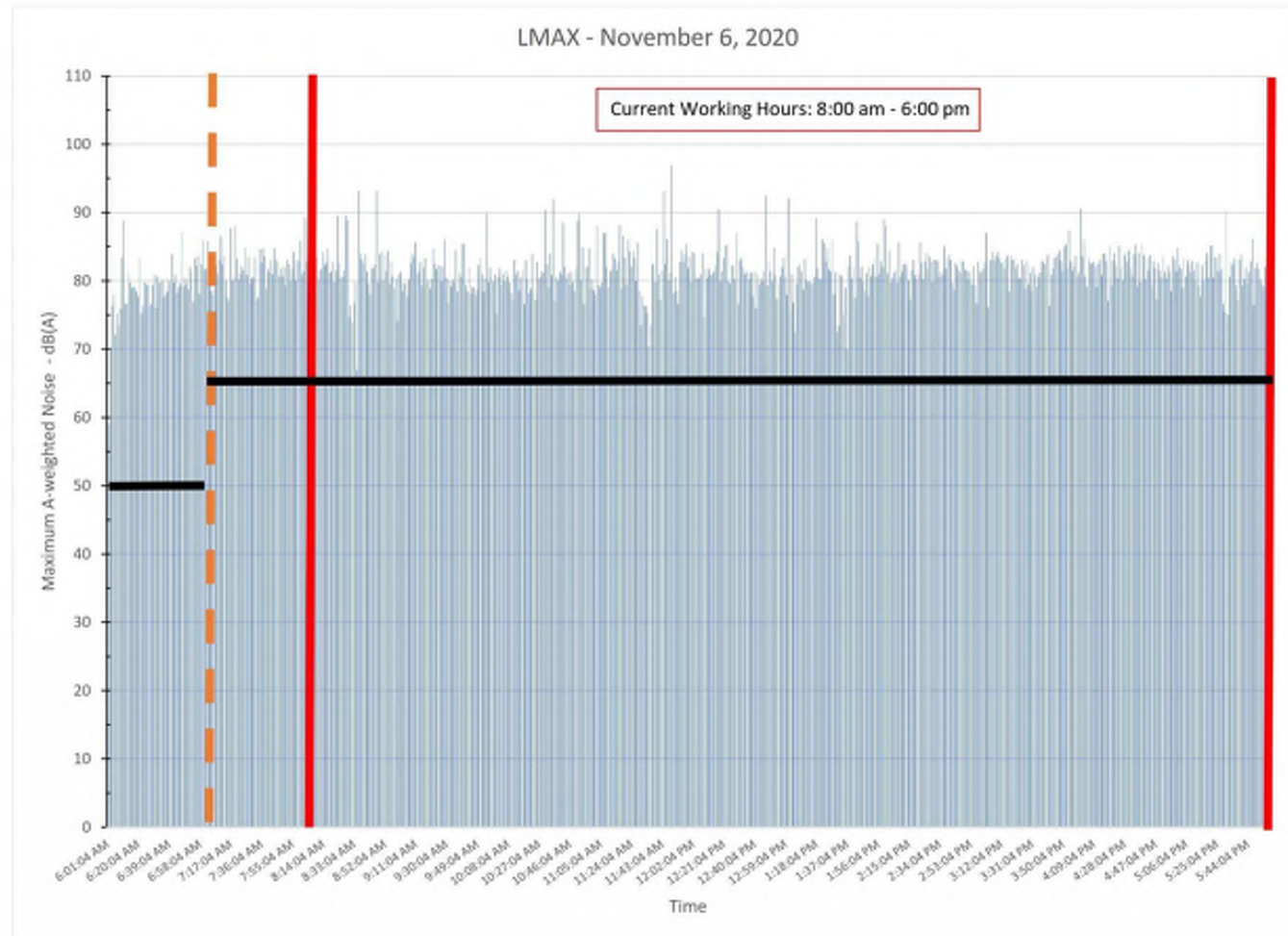
Sincerely,

Jeffrey A. Straw  
Vice President and Area Manager

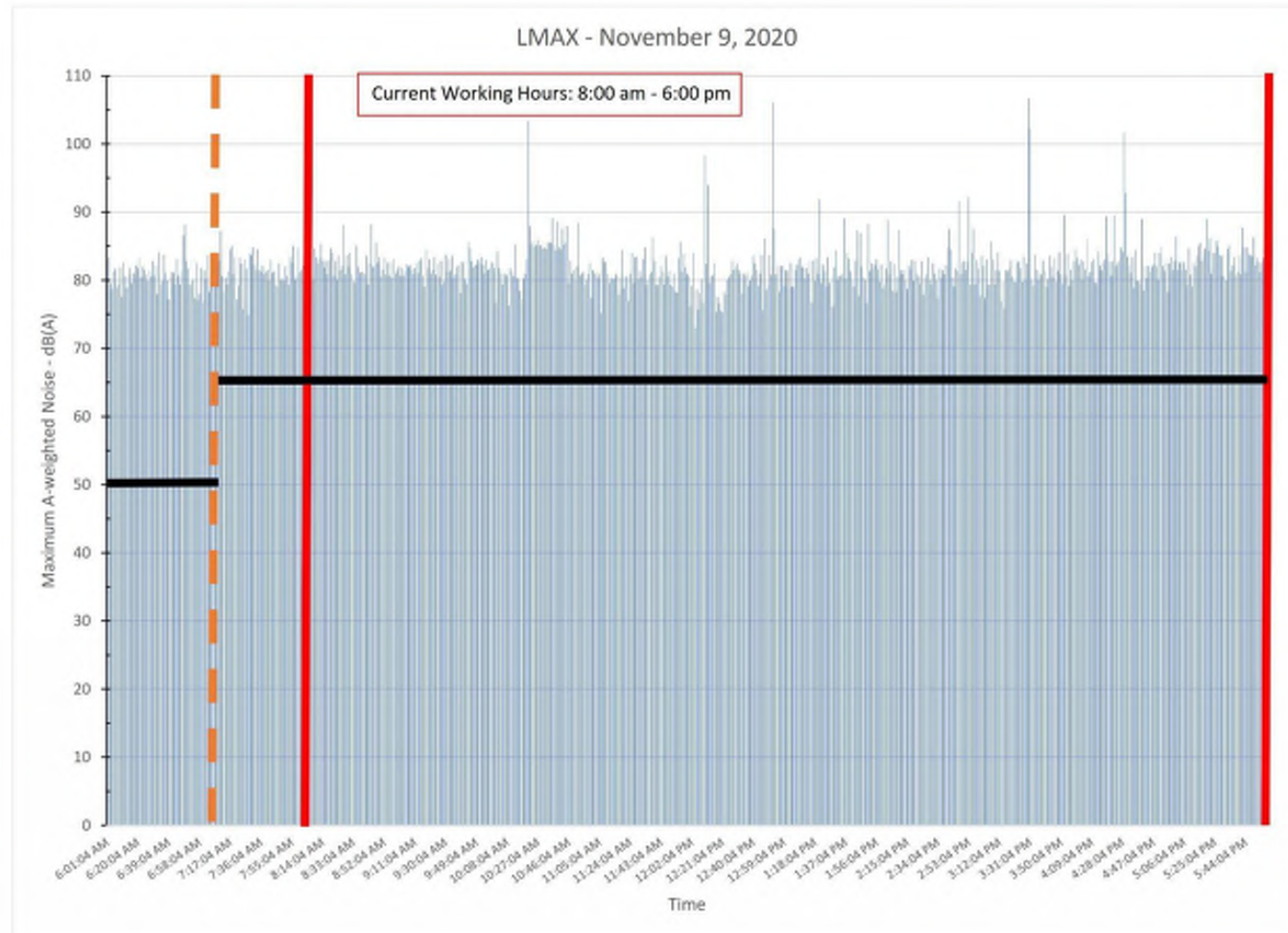
## 8.10 NV5 Signed and Sealed Engineered Calculation



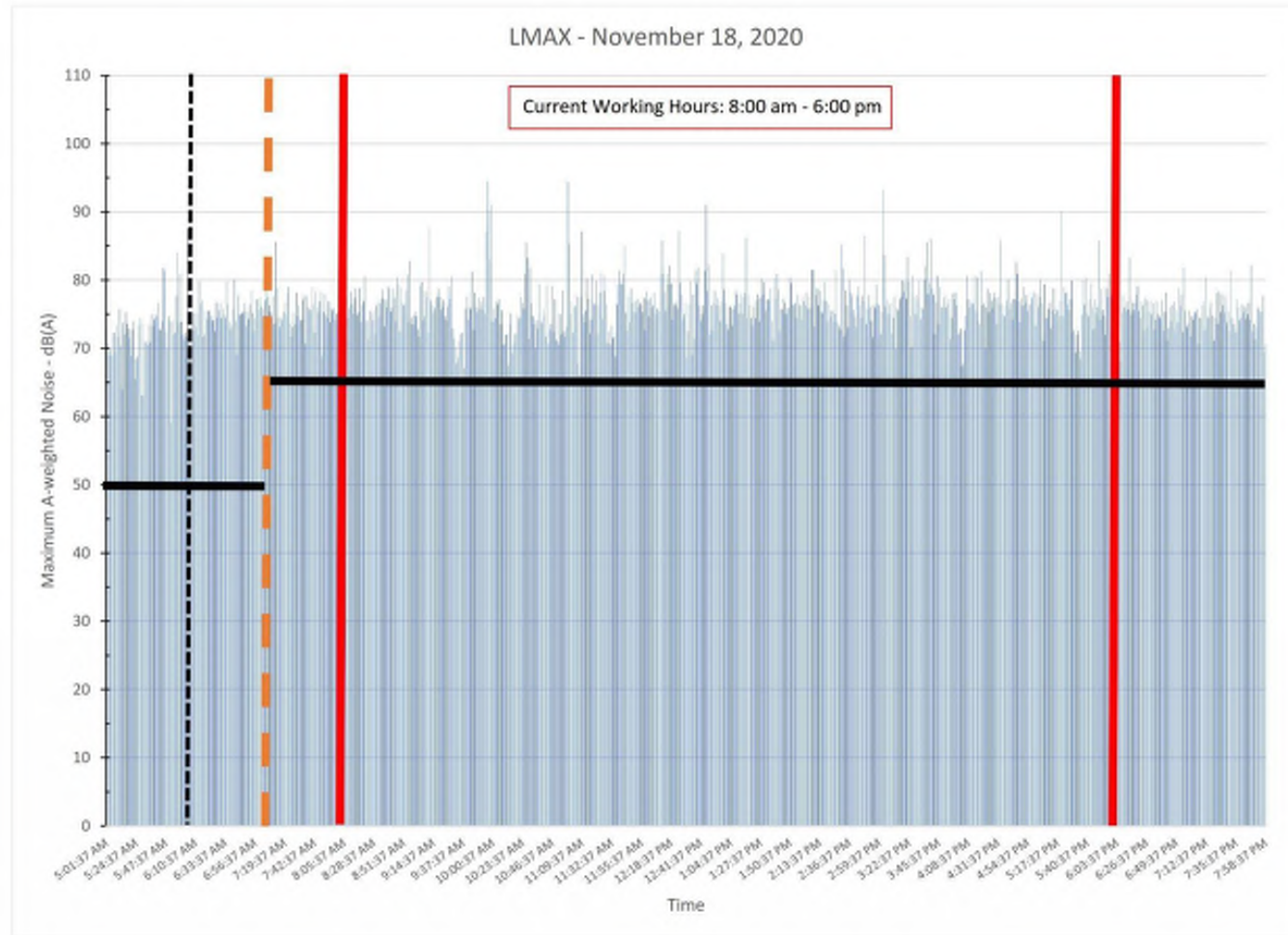
## 8.10 NV5 Signed and Sealed Engineered Calculation



## 8.10 NV5 Signed and Sealed Engineered Calculation

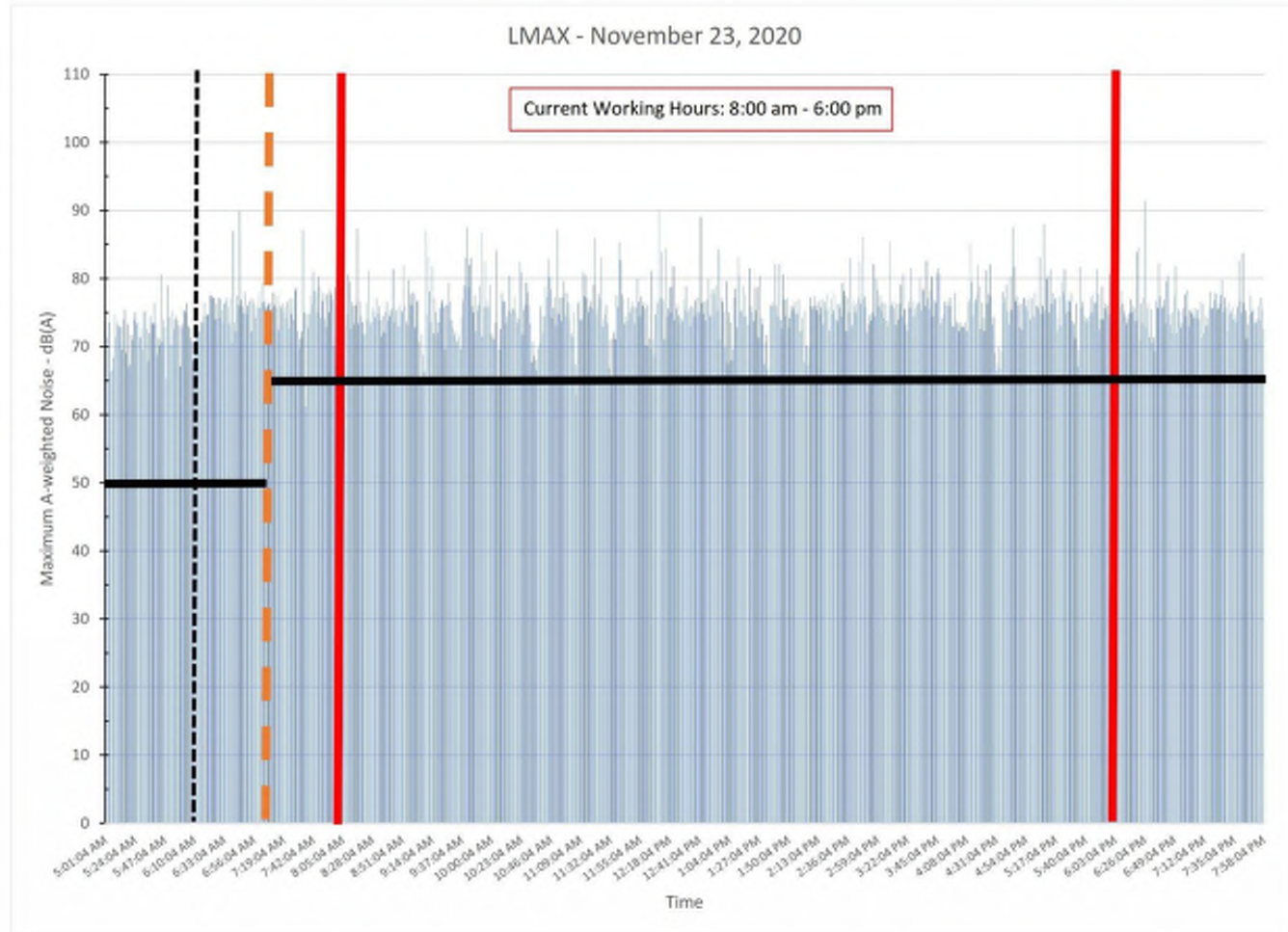


## 8.10 NV5 Signed and Sealed Engineered Calculation

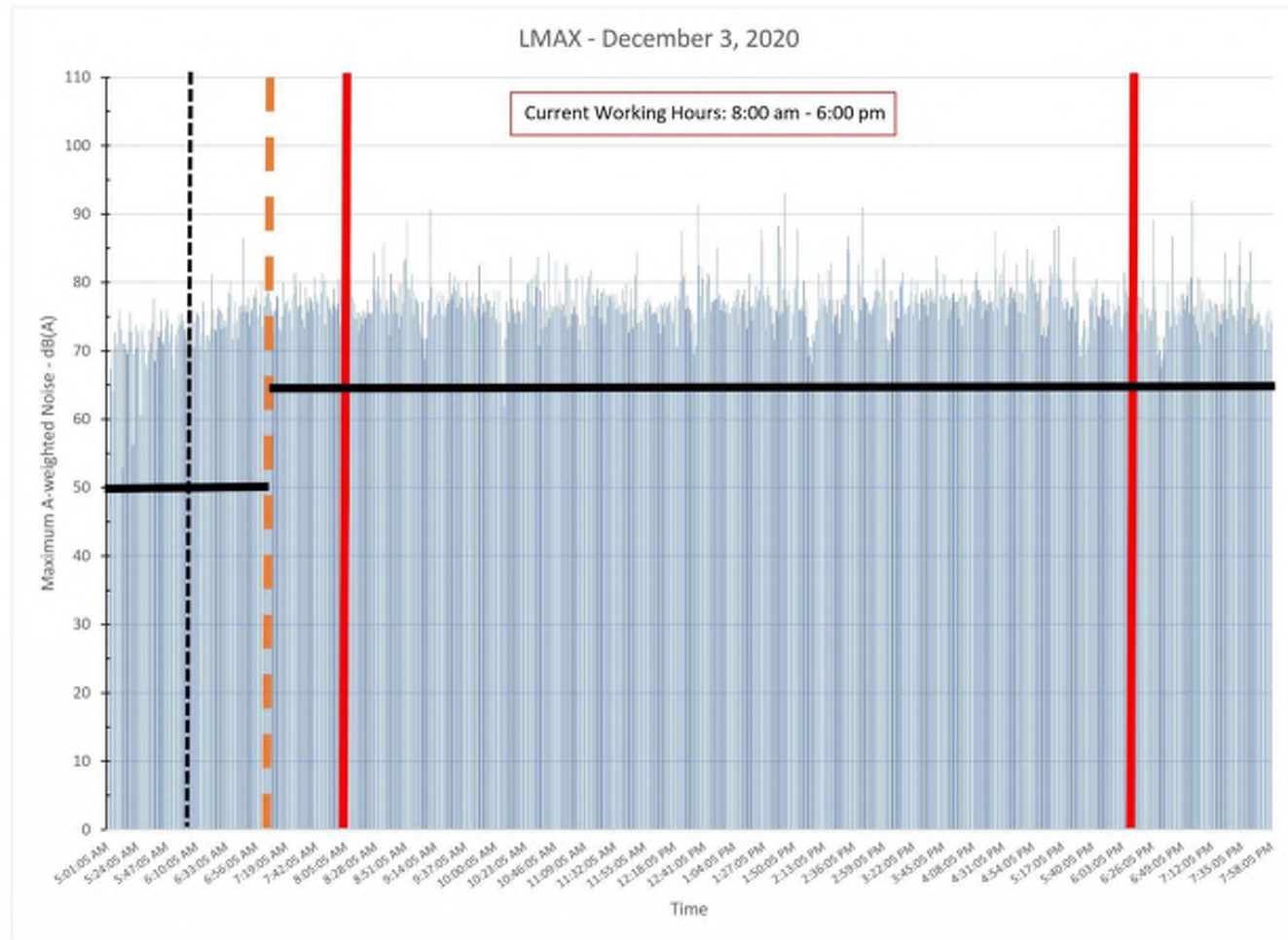


## 8.10 NV5 Signed and Sealed Engineered Calculation

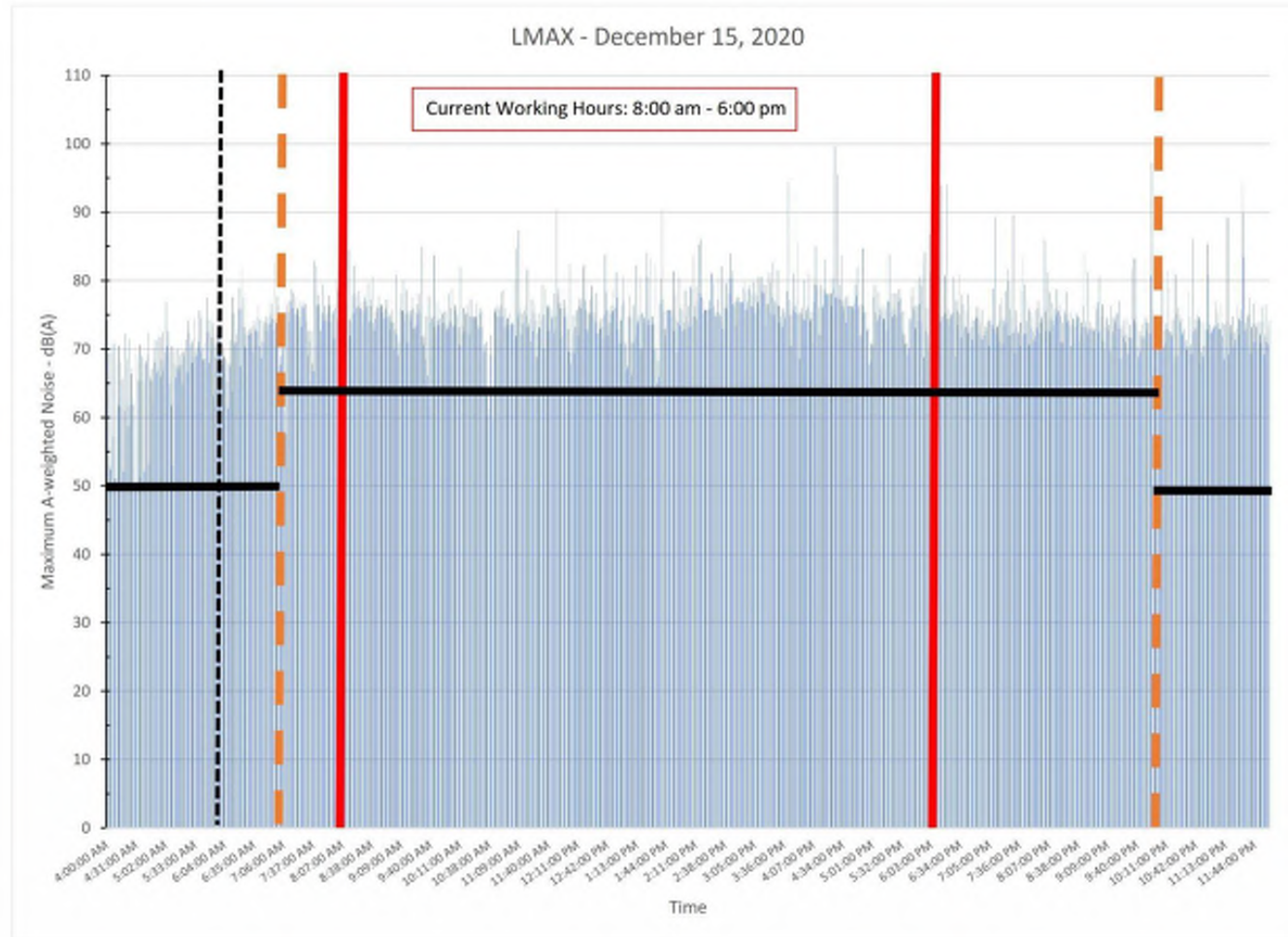




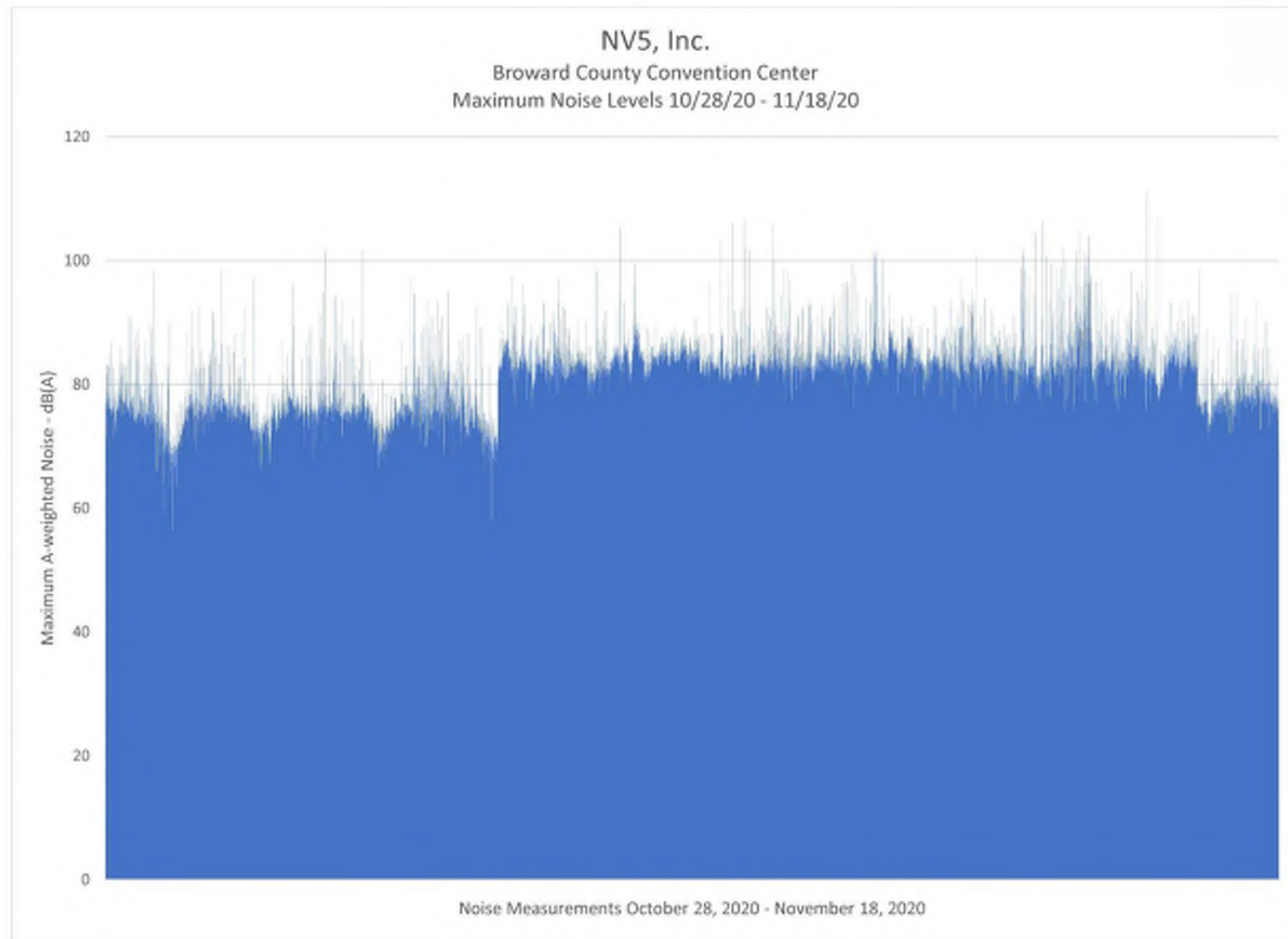
## 8.10 NV5 Signed and Sealed Engineered Calculation



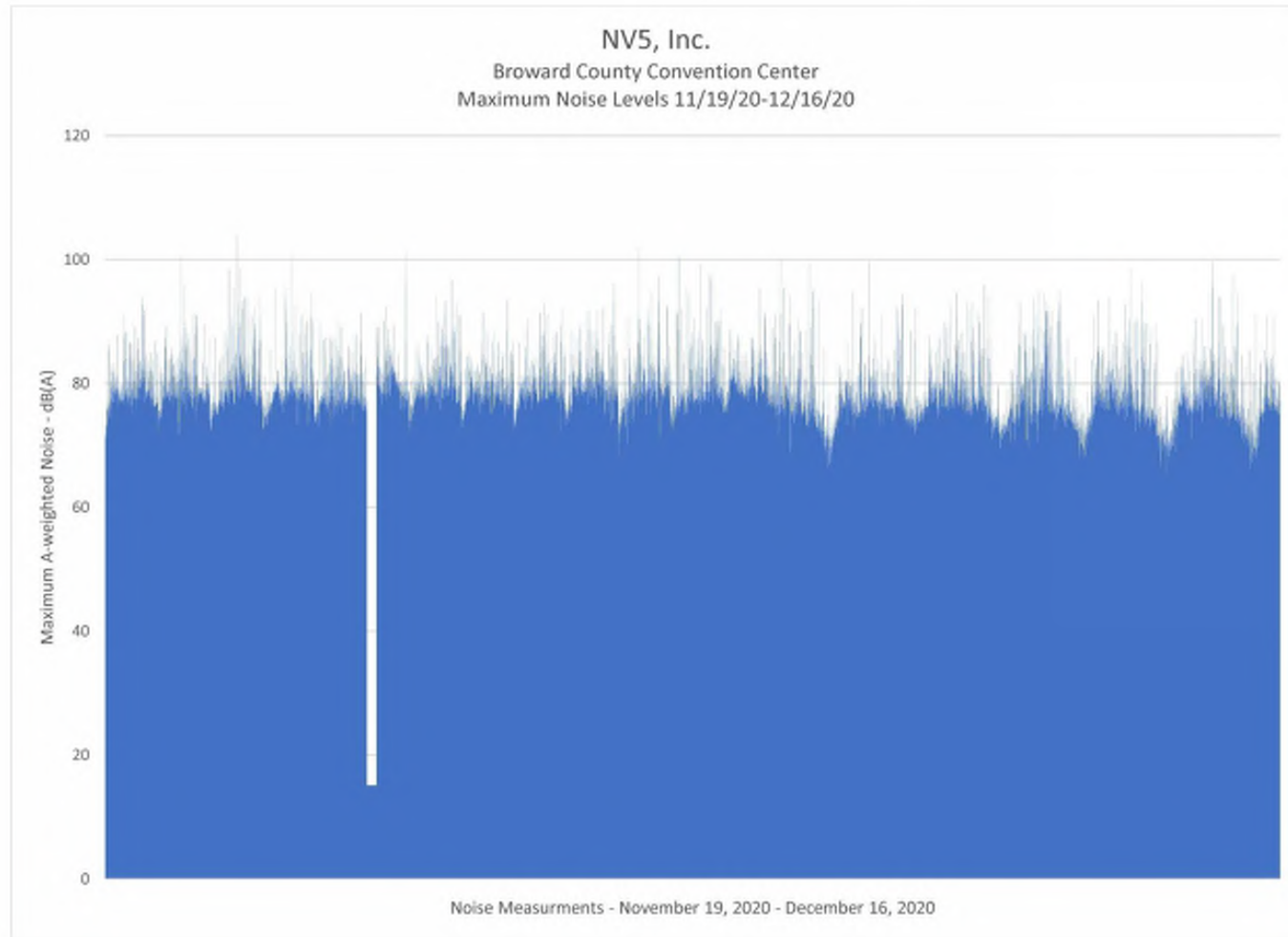
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## 8.10 NV5 Signed and Sealed Engineered Calculation



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