

CONTRACT CHANGE ORDER AUTHORIZATION NO. 3

DATED 8/6/2015

FILED WITH CONTRACT # 33536

(POWELL CONSTRUCTORS INC.)



Date: August 6, 2015
To: Tom Modica, Assistant City Manager
From: Eric Lopez, Tidelands CIP Officer

Subject: **CONTRACT CHANGE ORDER TRASMITTAL MEMO**

PROJECT: R-6914 Beach Pedestrian
CONTRATOR: Powell Constructors, Inc.
CCO#: No. 3
ORIGINATED FROM: Project Development
SOURCE OF FUNDING: CIP/Tidelands

TIDELANDS CAPITAL IMPROVEMENT PROJECTS
Certification of Materials and Services

Vendor # V061190 01
BP CM15-1
Project PW8300 **Detail** 0430
Index CMCIPJT **Subsubject** 210009
Grant **Detail**
Authorized by Ramiro J. Ramiro
8-20-15

PROPOSED CHANGES AND REASONS: See attached Exhibit A for details.

I. SUMMARY OF COST

A. Amount of this CO:

\$	202,740.83
----	------------

B. Contract Sums

1. Original contract amount:
2. Sum of previous CO including credits:
3. New contract amount including this CO:

\$	5,519,700.00
\$	489,554.81
\$	6,211,995.64

C. Contingency Sums

1. Project contingency approved by Council:
2. Total amount of CCO's to date (including proposed CCO's)
3. Remaining contingency after this CO:

\$	827,955.00
\$	692,295.64
\$	135,659.36

D. ORIGINAL CONTRACT + CONTINGENCY (NOT TO EXCEED)

\$	6,347,655.00
----	--------------

E. PERCENT (%) OF CONTINGENCY USED IN CHANGE ORDERS TO DATE (INCLUDING PROPOSED)

\$	12.54%
----	--------

Office of the City Manager

City of Long Beach

Long Beach, CA. 90802

Contract Change Order Authorization No. 3

To: Powell Constructors, Inc.
8555 Banana Avenue
Fontana, Ca. 92335

Date: August 6, 2015
R: 6914
Contract No. : 33536
Program No. : PW8300 0430

Project: Beach Pedestrian Path

In accordance with Procedures for changes in the work as established in the specifications, you are authorized to provide all labor, material and equipment to do the following:

PCO No.	Description of Change Ordered	Type of Change	Reason for Change	Cost
PCO# 4	Delete the installation of approx. 1880 LF. of temporary fence between 54th Place and Granada. (1880L.F x \$2.72)	Value Engineering	Credit: Because this area only included removal of concrete, Powell requested that they install temporary fence in the construction area where the new pathways will be constructed.	\$ (5,113.60)
PCO# 13	1) Construct approx. 200 sf of 4" concrete slab to transition between the new pedestrian path and the existing stamped concrete in front of the concession stand at Shoreline. 2) Construct variable height curb (16") between stations 2+00 and 3+00 (150lf @ 43.85) 3) Construct additional isolation Curb between station 0+52 and station 2+02. 4) Slurry backfill behind containment curb from station 2+00 to Station 3+60 5) Install expansion board between stamped concrete and new concrete and place joint sealer. 6) Provide new survey for the revised alignment. 7) Relocate irrigation control wires that were under the new pedestrian path near Alfredo's.	Unforeseen Conditions	1) After the initial survey and grading of the new pedestrian path, the contractor discovered a conflict between the pedestrian path and the existing improvements (street light foundation and tree roots). Therefore, the pedestrian path had to be moved 5' south which eliminated the sand separation and an isolation curb had to be added to maintain a separation between the pathways. 2) The area between the pedestrian path and the stamped concrete is a narrow strip of sand that is difficult to maintain and needs to be paved to allow for a safe and maintainable transition between the two surfaces. 3) The curb height had to be increased by 6" because of the difference in elevation between the pedestrian & the bike path, which required hand digging and forming this section of the containment curb.	\$ 18,028.93
PCO# 21	1. Remove two exiting bioswales and construct new infiltration pits per modified design detail. 2. Relocate temporary fence toward the south to allow for the Pedestrian Path to be shifted away from the toe of the Bixby Park slope	Unforeseen Conditions	1. Existing bioswale at the westerly end of the park is in conflict with the alignment of the new pedestrian path. However, the easterly bioswale is approx. 4' deep and can't remain near an area where toddlers and small kids may be playing. The bioswales will be redesigned and reconstructed to eliminate the conflict with the pathway alignment and to improve safety by eliminating deep bioswales near recreational areas. This work also required capping an existing irrigation line and relocating the temporary parameter fence that was installed around the construction.	\$ 15,266.27
PCO# 23A	Additional costs to select and install larger and healthier Coral trees	Added Scope	The original cost of the trees was approved as part of PCO #23. The original trees were selected by the landscape architect. The City hired an arborist to inspect the trees prior to installation and it was determined that the size of the trees are not adequate for this location. Therefore larger trees were purchased from a different nursery; and this change is to pay the cost differential.	\$ 3,159.71
PCO# 25	1) Construct 14 foot wide concrete driveway (1125 sf) access from Junipero parking lot to the pump house at the south west corner of Bixby Park. The work shall include the removal of existing sidewalk, grading, removal of access soil material and compaction. 2) Furnish and install 12"x12" area drain at the beginning of the easterly pier ramp by the stair landing.	Added Scope	1) The Water Department requested an access for the ongoing maintenance of the pump house. This PCO also includes the cost of the area drain and pipes that were added at a low spot at the Pier ramp. 2) During surveying, it was discovered that there is a low spot at the top flat area of the easterly Pier ramp near the stair landing which required the installation of an area drain.	\$ 11,897.39
PCO# 26	1) Remove buried concrete obstruction (16" deep, 8-foot wide and 15 feet long) to allow for the construction of the new containment curb and the pedestrian path. 2) Chip existing retaining wall concrete to lower an existing 2" water service lateral and relocate shallow irrigation line. 3) Relocate/lower shallow electrical service line	Unforeseen Conditions	Existing water, irrigation and electrical services at the Coronado restroom were shallow and in conflict with the alignment and the grades of the containment curb for the pedestrian path and had to be relocated and lowered. These services were not shown on the plans.	\$ 4,590.54

Office of the City Manager

City of Long Beach

Long Beach, CA. 90802

Contract Change Order Authorization No. 3

To: Powell Constructors, Inc.
8555 Banana Avenue
Fontana, Ca. 92335

Date: August 6, 2015

R: 6914

Contract No. : 33536

Program No. : PW8300 0430

Project: Beach Pedestrian Path

In accordance with Procedures for changes in the work as established in the specifications, you are authorized to provide all labor, material and equipment to do the following:

PCO No.	Description of Change Ordered	Type of Change	Reason for Change	Cost
PCO# 27	Backfill, Irrigation and landscaping at Shoreline from station 0+00 to approximately station 2+00. The work shall include the following: 1) Install new irrigation system in a 7-foot by 200-foot strip. 2) Remove existing weeds, import and backfill an average of 14" of soil material and compaction. 3) Install topsoil and seed the area with Bermuda grass seeds.	Added Scope	Dues to an existing street light foundation obstruction and conflict with existing grades and trees, the pedestrian path had to be shifted 6 feet to the south between station 0+00 and station 2+00. This excavated area is adjacent to Marina Green Park. Therefore, It will be backfilled, graded, compacted, irrigated and seeded to match the existing surrounding.	\$ 11,905.13
PCO# 30	1) Remove existing palm tree at Shoreline. 2) Remove existing base material and construct 6" concrete pavement 17'x45' near the concession stand at Shoreline. 3) Remove two existing bollards east of the concession stand. 4) Remove existing base material within the pedestrian path containment curb and construct 6" concrete 10'x37' in front of the pump house at Cherry Beach in lieu of resin paving and remove 17' of isolation curb.	Design Change	1) The City's events manager requested that the access across the resin pedestrian path near the concession stand be changed to concrete, a diseased tree to be removed and two existing bollards to be removed in order to provide the needed traffic circulation for the Grand Prix Event parking. 2) The concrete access across the pedestrian path was installed per the Water Department's request to allow for maintenance equipment to cross the path without causing damage to the resin pavement.	\$ 12,670.89
PCO# 31	1) Sawcut and remove concrete at Molino stairs, remove concrete at Stations 66+59 to 67+25, Station 67+25 to 67+35, Sta. 68+03 to 68+12, and remove 1'x18" curb at Sta. 68+70 to 68+89, and 69+17 to 69+13. 2) Pour back tie in area at Coronado stairs, Orizaba stairs, Station 68+10, and Station 66+50 to 67+25, including sawcutting and removing of concrete, installation of dowels, expansion board and placement of concrete.	Unforeseen Conditions	The plans shows the pedestrian path containment curb to join the concrete pads at these locations. However, several locations conflicted with the alignment of the new pedestrian path and had to be removed. In addition, in order to maintain the required cross slope on the pedestrian path, the grades of path had to be maintained per plans which required the removal and reconstruction of sections of the adjacent pads to meet the grades of the pedestrian path.	\$ 5,062.08
PCO# 32	Furnish and install 64 new No-No signs and truck crossing signs at the truck crossing pads.	Added Scope	The plans call for the reuse of existing signs. However, existing signs are old and fading and the posts don't meet current code requirements. The City decided to install new signs.	\$ 11,613.20
PCO# 34	Furnish Material and Install Vanguard Truncated Domes for a 20-foot wide curb ramp at the north west corner of Junipero Street and the parking lot and a 20-foot wide ADA ramp at the north east corner of Junipero Avenue and the parking lot.	Added Scope	The plan shows the truncated domes to be installed per Long Beach Standard Plan 122 Case C, which shows one 3x4 truncated dome to be installed. If we were to use the standard square truncated domes, many more section would be required to cover the whole width and they would have to be cut to fit in the field. Based on the curvature of the ADA ramp, a poured in place vanguard material will be installed.	\$ 6,737.20

Office of the City Manager

City of Long Beach

Long Beach, CA. 90802

Contract Change Order Authorization No. 3

To: Powell Constructors, Inc.
8555 Banana Avenue
Fontana, Ca. 92335

Date: August 6, 2015

R: 6914

Contract No. : 33536

Program No. : PW8300 0430

Project: Beach Pedestrian Path

In accordance with Procedures for changes in the work as established in the specifications, you are authorized to provide all labor, material and equipment to do the following:

PCO No.	Description of Change Ordered	Type of Change	Reason for Change	Cost
PCO# 35	1) Furnish and install irrigation line and heads in the planting area at the toe of the Bixby Park slope between the westerly stairs (Sta. 48+55) and the ramp (Sta. 50+10), north of the pedestrian path. 2) Install 1 1/2" remote control valve and 1 1/2" diameter PVC lines to provide a point of connect for the irrigation of the Junipero Parking lot landscaped islands. 3) Remove existing plants from the planter at the north east corner of Junipero Blvd. and the Parking lot, remove access dirt, and install new irrigation lines and heads. 4) Furnish and install an irrigation system for the strip of land located between Junipero Parking lot and the bike path, from station 51+20 to station 58+15. 5) Repair leaks in existing galvanized pipes	Added Scope	1) Irrigation lines were within the alignment of the pedestrian path and had to be removed and replaced to the north. 2) The new improvements at the Junipero Parking lot requires an irrigation source for the planters. The City requested the installation of 1 1/2" dia PVC line and valve to be installed to this connection at the back of the sidewalk of the parking lot. 3) After the installation of the new ramp the soil in the planter area was much higher than adjacent ground and needed to be removed. The work included the removal of existing plants and installation on new irrigation lines. This work was not part of the original contract. 4) This strip of land was not irrigated and needed a new system to be installed in order to restore the turf within this area. 5) During the compaction of the top soil within the new turf area, and the demolition of the Junipero concrete sidewalks (by All America), existing old galvanized lines were corroded and started to leak. Powell's irrigation workers were directed to repair these leaks.	\$ 40,683.48
PCO# 36	Remove existing resin pavement within the containment curb and replace with 6" concrete pavement	Design Change	During the Grand Prix, steel plates were placed to allow event traffic to drive over the pedestrian path. The plates shifted and damaged the resin pavements. Since this event will be repeated every year, the City decided to replace this section of the resin pavement with concrete.	\$ 5,881.65
PCO #37A	Belmont Pier Parking Lot Credit - Reduce the cost of item 6 of change order #2 by \$25,480.00	Value Engineering	<u>Credit:</u> After the initial proposal, the City negotiated with the contractor a lower cost per revised proposal submitted 4/2/2015.	\$ (25,480.00)
PCO# 37B, PCO# 40 and PCO #47	1) Install three Bollards at the entrance of the Belmont Pier parking lot which were not part of the original bid 2) Cleanup of the pedestrian path prior to the Tour of Long Beach on May 9th, 2015. 3) Repair spalled concrete where the pier deck joins the pedestrian path at the westerly ramp. Grind down 3/4" to 1" uplifted existing concrete slab located 50 feet south of Coronado restroom. Remove two 4" existing asphalt patches and repair with concrete at the existing bike path east of Junipero Avenue north-easterly access ramp.	Added Scope	1) There were 4 existing bollards that were damaged. The City's beach maintenance staff (Don Easterby) requested that these bollards be replaced with new lockable bollards. Only three new bollards were needed. 2) Several areas along the beach pedestrian path had sand piles which accumulated over the last couple of months. The City requested that these areas be cleaned in preparation for the Tour of Long Beach on May 9th. The contractor was directed to clean these areas on a time and material basis on 3) Few concrete areas on the existing bike path were identified as potential trip hazard and needed to be repaired.	\$ 9,996.94
PCO# 37C	Remove section of the existing wall at the southwesterly corner of the Belmont Pier parking lot in order to maintain access to the sand, similar to the conditions existed prior to the construction of the retaining wall in this corner of the lot.	Unforeseen Conditions	This section of the wall had a 5-foot open access to the beach prior to construction which was reduced to 1.5' due to the ramp widening. A section of the parking lot concrete wall had to be removed to restore the full access.	\$ 625.33
PCO# 37D	Add numbers to the new Parking Stall (1 though 265).	Added Scope	The plans did call for numbers to be added to the new stalls. These numbers are needed because they are part of the existing park and pay system for the Belmont Pier parking lot.	\$ 2,086.70
PCO# 38	Cleanup behind the temporary fences, remove trash and weed from areas near Molino and Junipero stairs prior to the Grand Prix event	Added Scope	Trash has been accumulating near the project area and weed has been growing around the stairs and near by areas. These areas are outside the contractor construction sites. The contractor was directed to clean -up these areas on a time and material basis prior the Grand Prix event on April 18, 2015.	\$ 1,472.91

Office of the City Manager

City of Long Beach

Long Beach, CA. 90802

Contract Change Order Authorization No. 3

To: Powell Constructors, Inc.
8555 Banana Avenue
Fontana, Ca. 92335

Date: August 6, 2015
R: 6914
Contract No. : 33536
Program No. : PW8300 0430

Project: Beach Pedestrian Path

In accordance with Procedures for changes in the work as established in the specifications, you are authorized to provide all labor, material and equipment to do the following:

PCO No.	Description of Change Ordered	Type of Change	Reason for Change	Cost
PCO# 39	Furnish and install joint sealer with backer rod Between the bike bath and the sidewalk at the north easterly corner of Junipero parking lot.	Unforeseen Conditions	A longitudinal joint in the bike lane between the bike path concrete and Junipero northeasterly sidewalk separated by more than 1/2" and needed to be repaired prior to the Tour of Long Beach.	\$ 2,851.46
PCO# 41	Close-out of an access to an enclosed area under the Pier; between the Pier drain outfall structure and the Pier structure.	Unforeseen Conditions	The construction of the Pier drain outfall structure created an approx. 4 foot wide access to an enclosed area under the Pier. The City requested that this access be immediately blocked and a permanent solution to be installed. The contractor was directed to install wood blocking to temporarily block the access. Subsequently, the contractor was directed to use the old steel gate and fabricated metal structure to block the access. In addition, a 2-foot deep concrete curb was poured in the ground to prevent transients from digging an access under the gate.	\$ 2,570.04
PCO #42	Repair damaged unforeseen irrigation main line located under the existing ramp.	Unforeseen Conditions	During the removal of the existing concrete at the north easterly corner of Junipero Ave. and the parking lot, an exiting shallow irrigation main (3/4" PVC) located under the concrete was damaged and had to be repaired.	\$ 799.99
PCO# 43	Saw cut 1/4" wide openings at low spots in the pedestrian path containment curb.	Added Scope	The new pedestrian path containment curb is designed with a 1/2" reveal which could prevent water from completely draining off the surface of the resin. A 1/4" wide openings, 1/2" deep, were saw cut at low spots in the containment curb to allow water to seep through and not pond on top of the resin. This will reduce any potential for water damage to the resin.	\$ 727.79
PCO# 45	Delete irrigation work including labor and material in the retrofit area east of the new sod which was required per Planting and Irrigation plan sheet 102.	Value Engineering	<u>Credit:</u> The new bike path was shifted 11 feet into the existing sod area which required the relocation of irrigation heads along the along the alignment of the new bike path from approximately station 51+50 to approx. station 58+00. But, there were no irrigation heads found in this area.	\$ (1,955.00)
PCO# 46	Delete irrigation work including labor and material in the planter area east of Junipero which was required per Planting and Irrigation plan sheet 103.	Value Engineering	<u>Credit</u> Sheet 103 requires the contractor to relocate irrigation heads impacted by the new Pedestrian path realignment and tree relocation. It also requires the installation of 8 additional Rain Bird irrigation nozzles. This scope could not be implemented because the planter grades were lowered and the irrigation could not be salvaged.	\$ (769.00)
PCO# 48	1) Modify and reinstall existing handrail material to close the gaps between the new handrail and the old existing Handrail. 2) Install yellow reflective tape at the ends of the rails.	Unforeseen Conditions	The widening of the existing Pier ramps required the removal of portions of the existing handrails. This removal resulted in unfinished and open rail ends. The City directed Powell to use existing handrail material and install rail end closures to match existing handrail design.	\$ 3,531.16
PCO# 49	Repair various spalled concrete locations on the existing bike path concrete.	Added Scope	There are 5 locations on the existing concrete bike path that were severely damaged/spalled and could be considered a trip hazard. Powell was directed to repair these locations on a time and material basis. (3'-6" x 9" spall at 300' east of Redondo drain, 3'-6" x 10" spall at 300' east of Coronado restroom, 7' x 4" crack/spall at station 92+75, 12" x 12" missing concrete/spall repair at 300' east of Alfredo's, station 6+00	\$ 1,740.00
PCO# 50	Furnish and install approx. 20 feet long and 58" high galvanized steel guardrail per detail B on sheet 70 of the project plans.	Added Scope	Existing guardrail on the north side of Redondo drain is not shown to be replaced. After review of the site condition, it was determined that this guardrail does not meet code and is creating an unsafe condition and needs to be replaced.	\$ 9,578.00

Office of the City Manager

City of Long Beach

Long Beach, CA. 90802

Contract Change Order Authorization No. 3

To: Powell Constructors, Inc.
8555 Banana Avenue
Fontana, Ca. 92335

Date: August 6, 2015
R: 6914
Contract No. : 33536
Program No. : PW8300 0430

Project: Beach Pedestrian Path

In accordance with Procedures for changes in the work as established in the specifications, you are authorized to provide all labor, material and equipment to do the following:

PCO No.	Description of Change Ordered	Type of Change	Reason for Change	Cost
PCO# 51	1) Install irrigation system in the slope east of Bixby Park and north of the pedestrian path. 2) Add new irrigation system at the bottom of Bixby park/eastside. 3) remove old irrigation sprinklers within the slope. 4) Clear the dead plants from the slope. 5) Spread one inch of top soil and apply seed the area between the Junipero parking lot and the bike path and install orange fence during the plant establishment period. 6. Adjust sprinklers at the toe of the slope.	Added Scope	1)The irrigation in this slope is old and has been abandoned for years. The ground cover/shrubbery is dead for lack of irrigation and the slope is eroded. In order to restore the vegetation and protect the slope, a new irrigation system is required. 2) Two narrow strips of land between Bixby park toe of slope and the pedestrian path are dirt sites and need to be landscaped to match the surrounding improvements. 3) The turf area between the Junipero parking lot and the bike path near this slope is mostly dirt or patchy turf, the contractor will seed it and establish a healthy turf. 4) These improvement are essential for this area because they will clean these various sites and help make them easier to maintain in the future.	\$ 46,603.80
PCO# 52	1) Delete the installation of the new irrigation Controller. 2) Delete the relocation of the an existing entry gate at Shoreline.	Value Engineering	<u>Credit:</u> 1) The plans require a new controller to be installed. There was no electrical service to install the new controller. Therefore, this work was deleted and irrigation remote control valves will be connected to the controller at Bixby Park. Credit is \$4,000 per item 13 of the schedule of values. 2) The City decided not to install the gate and directed to remove the gate and delivered to the beach maintenance yard. Cost of removal and delivery to the yard is \$480. Schedule of value #21 for this work is \$1,480. Total Credit =1480-480=\$1,000.	\$ (5,000.00)
PCO# 53	Delete Slurry seal and striping of the staging area	Value Engineering	<u>Credit</u> After demobilization of construction from the staging area, the contractor was required to slurry seal and strip the staging area. However, due to the reconstruction of the Junipero parking lot by another contractor, this work will be deleted from the contract.	\$ (9,830.92)
PCO# 54	Furnish labor and material to paint the galvanized steel railing at the westerly and easterly pier ramps including the aluminum rail on the north side of the westerly ramp	Added Scope	The City requested that the new railing to be painted to match the pier hand rail and to protect it from the marine environment.	\$ 13,884.78
PCO# 55	1) Increase the contract time by 26 working days for the construction of Belmont Pier parking lot, Item 6 on CCO#2. 2) Increase the contract time by 15 working days for the completion of the irrigation strip north of Junipero parking lot. PCO#35 3) Mutually agreed to suspend the contract time by 45 calendar days. 4) Increase the contract time by 40 working day for the completion of PCO#s 50, 51 & 54.	Added Scope	1) These additional contract work days are need to complete change order work added to the Contract. 2) Based the added days and suspended contract time, the projected contract completion time is August 31, 2015.	\$ -


Total Estimated Increase to Contract Cost..... \$202,740.83

By signing this change order the Contractor acknowledges that it is familiar with California Civil Code Section 1542, which reads: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release, which if known by him must have materially affected his settlement with the debtor;" and Contractor hereby releases the City from any unknown claims and waives its right under Section 1542.

The prices set forth herein above shall be considered full compensation for all obligations of the contractor associated with this change order, and the City will not be liable for any claim of the contractor for delays or extra compensation resulting from performance of the requirements of this change order.

TIME FOR COMPLETION OF ALL WORK UNDER THE CONTRACT WILL BE EXTENDED PER PCO # 55

Recommended By:


Project Manager

8/6/2015
Date

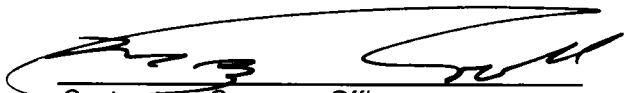

Chief Construction Inspector

8/6/2015
Date


Tidelands CIP Officer

8/6/15
Date


Approved By:


Contractor - Company Officer

8/11/15
Date


Assistant City Manager

8/17/15
Date


Financial Management

8-24-15
Date