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CITY ENGINEER

1149 S. BROADWAY, SUITE 700  
LOS ANGELES, CA 90015-2213

<http://eng.lacity.org>

November 20, 2020

Mr. Tim Lindholm  
Senior Executive Officer, Project Management  
Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza  
Los Angeles, CA 90012

**SUBJECT: TALYOR YARD BIKEWAY / PEDESTRIAN BRIDGE OVER LOS ANGELES RIVER- REQUEST FOR ADDITIONAL FUNDING BEYOND AUTHORITY OF MOU**

Hello Tim:

I hope all is well.

**BACKGROUND**

The City of Los Angeles, Public Works, Engineering (BOE) is currently in construction for the Taylor Yard Bikeway/Pedestrian over the Los Angeles (LA) River (**Attachment 1**), and the Contractor has completed the bridge portion of the scope as well as the South bike ramp. The remaining portion of the work includes installing the bridge railing, lighting, painting, and the North bike ramp. The project is scheduled to be completed in June of 2021. To date, there are a total of \$1,330,627.07 executed change orders, which is 7% of the contract amount, and approximately \$350,000 of additional forecasted/potential change orders.

The change orders negotiated to date consist of the following:

- 1) Differing Site Conditions: When drilling for the pile foundation, the Contractor encountered a non-standard hard rock layer which was unanticipated and, hence, not accounted for in the boring logs. Additional labor and equipment were needed in order to drill through these. Additionally, there were unforeseen manmade buried objects discovered in the North side when constructing a smaller retaining wall structure, adjacent to the bridge.
- 2) Additional excavation and re-compaction of foundation of the south bike path due to Geotechnical concern for integrity of the stability of soil in the area.
- 3) Acceleration for steel fabrication and installation due to construction delays as a result of the pandemic, as well as other construction delays. The need to move the project faster was needed to satisfy the environmental agency requirements of vacating the river by the end of the dry season.
- 4) Additional cost for concrete of the South bike ramp



- 5) Additional stainless-steel rods needed for the bridge outlook structures
- 6) North Bike Ramp: Soil Nail Wall: There was a need to change the shoring method for the North Bike Ramp from a cantilevered shoring system to a soil nail system for safety, constructability as well as compliance with Metrolink requirements
- 7) Miscellaneous items

The forecasted/pending change order include the following:

- 1) Installation of the guardrail and safety fencing on South side bike path for added pedestrian safety
- 2) Rapid Flashing Beacons and crosswalk on Kerr Road at the exit of the bridge ramp, for allowance of safe transit for bicyclists and pedestrians
- 3) Miscellaneous items for additional rebar for the bridge and other electrical items

At this time, we do not forecast any additional large change orders, however, this project has not been completed, and the main item remaining is the construction of the large 160-foot-long, 12-ft-high north bike ramp. This site is an area of concern, due to having made buried objects, and potential contamination, which would require intricate soil handling. For this reason, we would like to increase the contingency allocation for the change order to 12%, which yields a total quantity of \$2,200,000. This funding can pay for any unforeseen conditions or claims for the project.

Due to these items, the new projected hard construction cost is anticipated to be approximately **\$20,925,375**.

To date, the only cost which has been spent or will be spent on scope outside of the MOU are the following: 1) compliance with the legal requirement of the City of Los Angeles Administrative Code, 1% Arts Fee by the Department of Cultural Affairs, which was \$187,254. 2) Installing a flashing beacon, and crosswalk on Kerr Road for allowance of safe transit for bicyclists and pedestrians, when they are leaving the bridge.

## **FUNDING SHORTFALL**

This project is funded through Metro through an executed MOU for Construction, dated March 7, 2018, for a total amount of **\$21,700,000**, to fund hard costs (Contractor), direct costs (permit costs, etc.) and soft costs (Consultant and BOE staff costs)

Additionally, Metro released a "Letter of Commitment" (**Attachment 2**) indicating that Metro can will commit to pay, up to **\$3,750,800** more in additional funds as necessary, to bring the total Metro funds to **\$25,450,800**, due to the bids coming in higher than anticipated. The total amount of encumbered construction engineering /administration for non-city staff and direct costs, is approximately **\$1,875,000**, and the total amount of staff costs (Project Management, Construction Management, and inspection) is approximately **\$1,400,000**, which leaves a total anticipated project budget of approximately **\$24,200,000** [**\$20,925,375 + \$1,875,000 + \$1,400,000**], which would yield a total shortfall of approximately **\$2,500,000** [**\$24,200,000- \$21,700,000**], when considering the budget of \$21,700,000 in the original MOU. Table 1 below summarizes the project budget for the project.

**Table 1**

<b>CONTRACTOR</b>	<b>Ortiz Enterprises</b>
<b>ORIGINAL CONTRACT AMOUNT</b>	<b>\$18,725,375</b>
<b>CHANGE ORDERS</b>	
Total Change Orders to Date (Executed)	\$1,330,627
Additional Request for Pending and Potential Change Orders	\$869,373
<b>TOTAL AMOUNT REQUESTED TO BE ALLOCATED TO CHANGE ORDERS</b>	<b>\$2,200,000</b>
<b>NEW CONTRACTOR CONSTRUCTION BUDGET</b>	
	<b>\$20,925,375</b>
<b>TOTAL CONSTRUCTION ENG/ADMIN (STAFF COSTS-PM/CM/INPECTION)</b>	<b>\$1,500,000</b>
<b>TOTAL CONSTRUCTION ENG/ADMIN (DIRECT COSTS /NON-CITY STAFF)</b>	<b>\$1,865,000</b>
<b>NEW TOTAL CONSTRUCTION BUDGET</b>	<b>\$24,390,375</b>
<b>ORIGINAL MOU</b>	<b>\$21,700,000</b>
<b>SHORTFALL</b>	<b>(\$2,690,375)</b>
<b>REQUEST OF ADDITIONAL FUNDS FOR THIS PROJECT</b>	<b>\$2,690,375</b>
<b>REQUEST OF ADDITIONAL FUNDING TO BE AVAILABLE FOR THS MOU AMENDMENT</b>	<b>\$3,750,800</b>

**FUNDING REQUEST**

BOE requests the following:

1. Requests that Metro and City formally amend the MOU
2. Although the projected funding shortfall is \$2,690,375, BOE requests that the committed amount of \$3,750,850, be available (earmarked) as part of this MOU amendment, in the event that additional unforeseen costs arise, and for the purpose of not needing a second (2<sup>nd</sup>) amendment.

At this time, there have been four disbursement requests, as seen in Table 2.

**Table 2**

New Total Construction Budget	\$24,390,375.00
Amount Deducted for Retention (5%)	(\$1,219,518.75)
New Total Construction Budget (Including Retention)	<b>\$23,170,856.25</b>
Total Disbursement Checks (includes 5% retention)	<b>\$23,170,856.25</b>
Check No. 01-Received	\$3,507,495.00
Check No. 02-Received	\$8,413,389.43
Check No. 03-Received	\$3,620,078.55
Check No. 04-Received	\$4,882,840.38
<b>Check No. 05- Funding Disbursement Request No.05</b>	<b>\$2,747,052.89</b>

The attachments below contain a Construction Funding Projection Table as well as Disbursement Request summary (**Attachment 3**)

If you need further information or clarification, please contact me by email at [Nur.Malhis@lacity.org](mailto:Nur.Malhis@lacity.org) or Shirley Lau, at [Shirley.Lau@lacity.org](mailto:Shirley.Lau@lacity.org).

Sincerely,



Nur Malhis, PE  
Senior Engineer/Project Manager  
Municipal Facilities Program

Attachments:

1. Bridge Rendering
2. Copy of the "Letter of Commitment" to provide additional funding up to \$3,750,850, as needed, for Taylor Yard Bridge, executed on August 2, 2018
3. Disbursement Request/Construction Funding Projection Package, dated November 19, 2020

Cc Steven Fierce, Engineering  
Shirley Lau, Engineering

:

# TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE OVER LOS ANGELES RIVER PROPOSED PROJECT

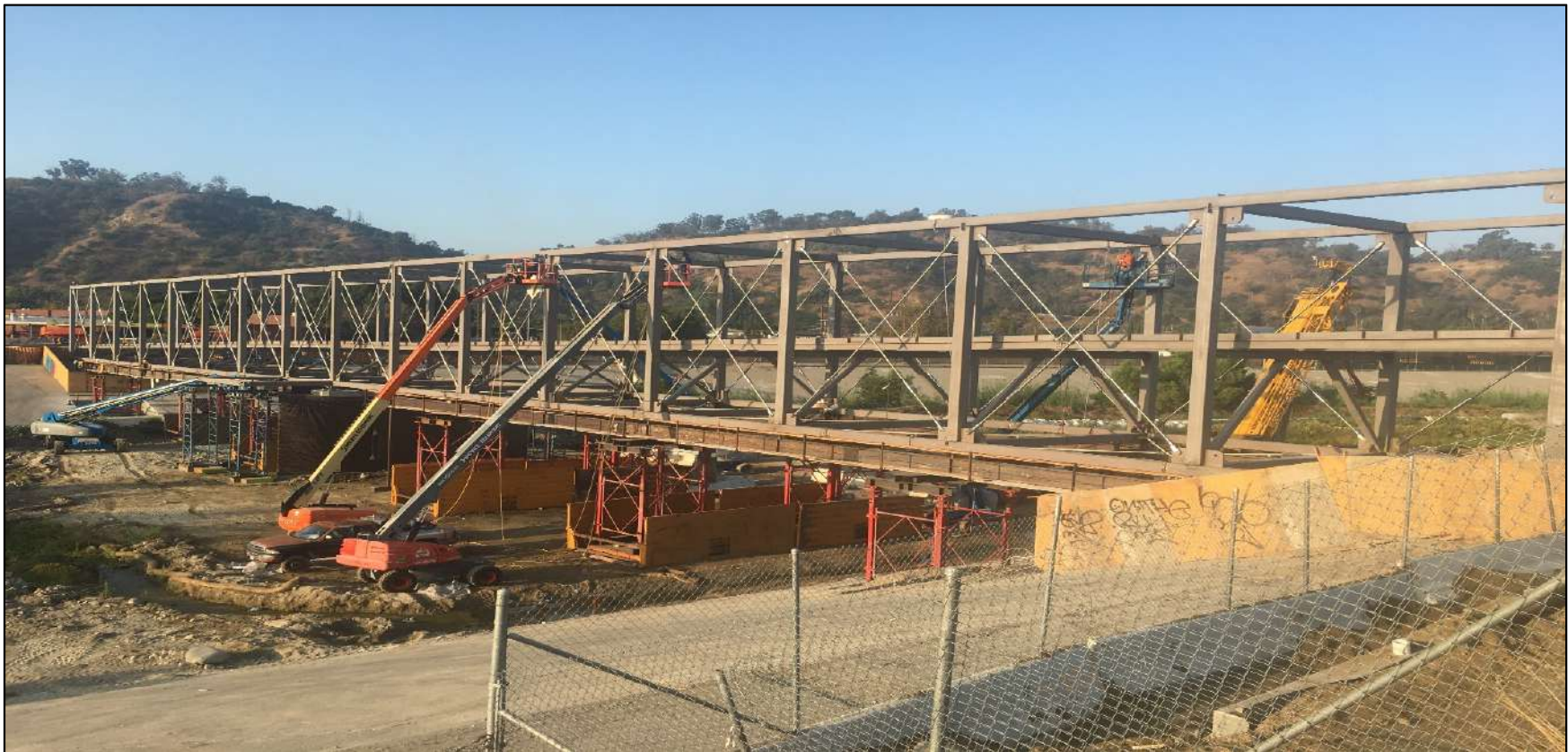


# TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE OVER LOS ANGELES RIVER PROPOSED PROJECT



# Taylor Yard Bikeway/Pedestrian Bridge over LA River

## Progress Photos: Bridge Construction-Profile Looking North



# Taylor Yard Bikeway/Pedestrian Bridge over LA River

## Progress Photos: Bridge Construction-Main Line View







**Metro**

Los Angeles County  
Metropolitan Transportation Authority

One Gateway Plaza  
Los Angeles, CA 90012-2952

213.922.2000 Tel  
metro.net

August 2, 2018

City of Los Angeles  
Bureau of Engineering  
1149 S. Broadway, Suite 700  
Los Angeles, CA 90015

Attn: Deborah Weintraub, Chief Deputy City Engineer

Subject: Taylor Yard Bridge

Dear Ms. Weintraub:

This letter is to confirm we have received your June 7, 2018 letter and subsequent July 20, 2018 e-mail correspondence in regards to the revised construction budget for the Taylor Yard Bridge (attached).

We have reviewed the correspondence, as well as the terms of the Memorandum of Understanding (MOU) between Metro and the City of Los Angeles (City) that was approved by the Metro Board in July 2017, and agree with your assessment that the overall construction budget requires revision. Based on the results of construction bidding, it is anticipated that the construction budget will need to be revised by \$3,750,850.

Per the terms of the agreement, Metro committed to funding a project total of \$21,700,000; however, the agreement also indicates that if bids were to come in higher than expected, Metro would fund the difference. As such, Metro fully intends to abide by our agreements and provide the additional funding by the time required.

Given that the Taylor Yard Bridge project has not yet started construction, and that Metro and the City have already agreed to a yearly project cash flow, it is anticipated that the additional funding will not be required until approximately Summer 2020. Given this, Metro recommends that we bring this forward to the Board as part of the yearly budget process, which for FY20 will conclude in approximately May 2019.

If you have any questions, please do not hesitate to contact Tim Lindholm, Executive Officer for Capital Projects, at 213.922.7297.

Regards,

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

Richard Clarke  
Chief Program Management Officer

cc: Daniel Rodman – Mayor's Office  
Mahmood Karimzadeh – BOE  
Tim Lindholm – Metro  
Quintin Sumabat - Metro  
Gerardo Alvarez - Metro  
Marie Sullivan (Metro)

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CITY ENGINEER

1149 S. BROADWAY, SUITE 700  
LOS ANGELES, CA 90015-2213

<http://eng.lacity.org>

June 7, 2018

Mr. Gerardo Alvarez  
Senior Director, Project Control, Program Management  
Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza  
Los Angeles, CA 90012

**TALYOR YARD BIKEWAY / PEDESTRIAN BRIDGE- REVISED MOU ATTACHMENT B-  
CONSTRUCTION BUDGET**

Dear Gerardo:

The City of Los Angeles, Bureau of Engineering (Engineering), has updated the total construction budget, which includes a more detailed construction administration and engineering budget, per your email, dated May 25, 2018.

Enclosed are the following documents:

1. Updated Attachment B for the MOU
2. Detailed Preliminary Projected Cost Loaded Schedule for the entire project broken down by six (6) month increments

At this time, it is important to note that the projected cost loaded schedule is preliminary and assumed. This cost loaded schedule will be superseded when the Contractor submits his cost loaded schedule at the start of construction.

This project is anticipated to be awarded by June 30, 2018, and a Notice to Proceed to the Contractor is anticipated to be released by August 1, 2018.

If you have any questions, or need further information, please contact Nur Malhis by email at [Nur.Malhis@lacity.org](mailto:Nur.Malhis@lacity.org), or by phone at 213-485-4737.

Sincerely,

A handwritten signature in blue ink that reads "Mahmood Karimzadeh for".

Mahmood Karimzadeh, AIA  
Principal Architect  
Architectural Division, Engineering



**TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE OVER LA RIVER  
PROJECT CONSTRUCTION BUDGET  
ATTACHMENT B-VERSION 1**

Construction Cost						
Category	Title/Firm	Scope of Work			Total	Comments
Construction	Ortiz Enterprises, Inc.	Allowances, Mobilization, SWPPP, Removals and Access, Bridge Structure, Pedestrian Approach and Bike Path, Landscaping, Drainage, Electrical and Lighting, Signage and Striping			\$ 18,585,375.00	
Construction Contingency			20% of Construction Costs			\$ 3,717,075.00
<b>Total Construction Costs</b>					<b>\$ 22,302,450.00</b>	
Construction Administration Costs						
Category	Title/Firm	Duties	Rate/Month	Months	Total	Comments
<b>Project Management</b>						
	BOE Project Mgr-Civil Engineer (Class 7237)	Manager the project through Construction phase	\$ 8,660.00	32	\$ 277,120.00	Billing rate of \$100/hr-Half Time
	Design Reviews	Review Design			\$ 20,000.00	Charge per work
<b>Construction Management</b>						
	BOE Construction Mgr -Civil Engineer (Class 7237)	Answering RFIs, responding to submittals, processing change orders, monitoring construction activity, negotiation of claims, cost estimating, assisting inspector in field work	\$ 17,330.00	32	\$ 554,560.00	Billing rate of \$100/hr -Full Time
	BOE Construction Mgr Civil Engineering Associate (Class 7246-3)		\$ 3,900.00	32	\$ 124,800.00	Billing rate of \$90/hr- Quarter Time
<b>Inspection and Material Testing</b>						
	BCA Inspector -Sr Inspector (Class 7294)	Inspecting all project activities for contract compliance, material evaluation and testing, and composing of daily field reports	\$ 14,700.00	32	\$ 470,400.00	Billing rate of \$85/hr -Full Time
	BCA Inspector - Inspector (Class 7291)		\$ 6,900.00	32	\$ 220,800.00	Billing rate of \$80/hr-Half Time
	BCA Inspector -Inspector (Class 7291)		\$ 3,460.00	32	\$ 110,720.00	Billing rate of \$80/hr-Quarter Time
<b>Consultant Work</b>						
Prime Consultant	SPF:a Architects	Providing technical expertise on shop drawings, submittals, RFIs, Performing field inspections, structural observations, interpreting construction related documents, attending construction meetings,			\$ 570,000.00	Actual Cost from Submitted Proposal + Contingency
Geotechnical Consultant	To Be Determined	Providing monitoring of geotechnical work during excavation and pile installation			\$ 150,000.00	Anticipated Costs. Final Cost will be negotiated with Consultant
Environmental Consultant	To Be Determined	Provide monitoring for biological impacts, water quality surveys for plants, bats, nesting birds, cultural materials, sensitive plants, implementation of soil management and noise control plan			\$ 150,000.00	Anticipated Costs. Final Cost will be negotiated with Consultant
<b>Total Construction Engineering Administration Costs</b>			<b>~ 14% of Total Construction Costs</b>		<b>\$ 3,148,400.00</b>	
<b>Total Construction Budget</b>					<b>\$ 25,450,850.00</b>	
<b>MOU Agreement</b>					<b>\$ 21,700,000.00</b>	
<b>SHORTFALL</b>					<b>\$ (3,750,850.00)</b>	

**TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE OVER LA RIVER  
CONSTRUCTION FUNDING DISBURSEMENT REQUEST NO. 05 (JANUARY 2021-JUNE 2021)**

Construction Costs																
Category	Title/Firm	A Total Construction Budget Per MOU, executed (3/07/2018)	B Total Construction Budget Reallocation and Revision (11/19/20)	C Additional Increases/ Deductions from Original Budget (B-A)	D Total Expenditure (July 2018- June 30, 2020 (Up to Quarterly Report No. 9)	E	F	G	H	I	J	K	L	M	N	O
						Quarter 1 7/1/2018-9/30/2018	Quarter 2 10/01/2018-12/31/2018	Quarters 3 01/01/2019-03/31/2019	Quarter 4 04/01/2019-06/30/2019	Quarter 5 07/01/2019-09/30/2019	Quarter 6 10/01/2019-12/30/2019	Quarter 7 01/01/2020-03/30/2020	Quarter 8 04/01/2020-06/30/2020	Quarter 9 07/01/2020-09/30/2020	Quarters 8 and 9 01/01/2021-06/30/2021	TOTAL 7/1/2018-6/30/2021
1a	Construction Costs	\$ 16,000,000.00	\$ 18,725,375.00	\$ 2,725,375.00	\$ 8,598,467.56	\$ -	\$ 110,845.60	\$ 111,111.50	\$ 614,192.45	\$ 1,277,654.45	\$ 443,076.70	\$ 2,787,098.48	\$ 875,293.68	\$ 3,258,732.59	\$ 10,126,907.44	\$ 18,725,375.00
1b	Contingency (Change Orders)	\$ 3,200,000.00	\$ 2,200,000.00	\$ (1,000,000.00)	\$ 879,537.89										\$ 1,320,462.11	\$ 2,200,000.00
<b>Total Construction Costs</b>		<b>\$ 19,200,000.00</b>	<b>\$ 20,925,375.00</b>	<b>\$ 1,725,375.00</b>	<b>\$ 9,478,005.45</b>	<b>\$ -</b>	<b>\$ 110,845.60</b>	<b>\$ 111,111.50</b>	<b>\$ 614,192.45</b>	<b>\$ 1,277,654.45</b>	<b>\$ 443,076.70</b>	<b>\$ 2,787,098.48</b>	<b>\$ 875,293.68</b>	<b>\$ 3,258,732.59</b>	<b>\$ 11,447,369.55</b>	<b>\$ 20,925,375.00</b>

Construction Engineering/Administration Costs Bureau of Engineering/Bureau of Contract Administration																	
2a	Project Management	BOE Project Mgr-Civil Engineer (Class 7237)															
	Construction Management	BOE Construction Mgr -Civil Engineer (Class 7237)															
2b		BOE Construction Mgr Civil Engineering Associate (Class 7246-3)															
	Construction Management Support Technical Review	BSL-Lighting Design Staff	\$ 1,397,340.00	\$ 1,600,000.00	\$ 202,660.00	\$ 1,511,379.75	\$ 69,581.94	\$ 56,827.16	\$ 83,839.76	\$ 142,329.82	\$ 269,930.52	\$ 178,530.40	\$ 169,378.38	\$ 235,048.49	\$ 305,913.28	\$ 298,497.23	\$ 1,600,000.00
		BOE -Environmental Staff Review															
		BOE -Environmental Staff															
		BOE- Geotechnical Staff															
2c		BOE-Structural Staff Review															
	Inspection and Material Testing	BCA Inspector -Sr Inspector (Class 7294)															
2d		BCA Inspector - Inspector (Class 7291)															

Consultants																	
3a	Architect	SPF:a Architects	\$ 320,550.00	\$ 650,000.00	\$ 329,450.00	\$ 351,502.77	\$ -	\$ -	\$ -	\$ 120,491.46	\$ -	\$ 60,019.00	\$ 170,992.31	\$ -	\$ -	\$ 298,497.23	\$ 650,000.00
3b	Geotechnical	Fugro	\$ 140,777.00	\$ 265,000.00	\$ 124,223.00	\$ 147,824.41	\$ -	\$ -	\$ -	\$ 1,013.00	\$ 31,737.00	\$ 75,720.46	\$ 5,360.25	\$ 21,837.65	\$ 12,156.05	\$ 117,175.59	\$ 265,000.00
3c	Environmental	Parsons	\$ 141,333.00	\$ 200,000.00	\$ 58,667.00	\$ 157,508.04	\$ -	\$ -	\$ -	\$ 59,754.73	\$ 29,477.91	\$ 25,430.32	\$ -	\$ 7,997.73	\$ 34,847.35	\$ 42,491.96	\$ 200,000.00

Direct Costs																				
4a	C&M Agreement	SCRRRA					\$ -	\$ -	\$ 175,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
4b	Mitigation Fees	Department of Fish and Wildlife-Land Veritas	\$ 500,000.00	\$ 750,000.00	\$ 250,000.00	\$ 663,054.00	\$ 250,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
4c	Department of Cultural Affairs Approval	Department of Cultural Affairs					\$ -	\$ -	\$ -	\$ -	\$ 187,254.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4d	Mountain Recreation Conservation Agency Fees	Mountain Recreation Conservation Agency					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Construction Engineering / Administration Costs</b>			<b>\$ 2,500,000.00</b>	<b>\$ 3,465,000.00</b>	<b>\$ 965,000.00</b>	<b>\$ 2,831,268.97</b>	<b>\$ 319,581.94</b>	<b>\$ 56,827.16</b>	<b>\$ 259,639.76</b>	<b>\$ 323,589.01</b>	<b>\$ 518,399.43</b>	<b>\$ 389,700.18</b>	<b>\$ 345,730.94</b>	<b>\$ 264,883.87</b>	<b>\$ 352,916.68</b>	<b>\$ 843,608.01</b>	<b>\$ 3,465,000.00</b>			
<b>TOTAL CONSTRUCTION EXPENDITURE AND DISBURSEMENT REQUEST (JUNE 2021)</b>			<b>\$ 21,700,000.00</b>	<b>\$ 24,390,375.00</b>	<b>\$ 2,690,375.00</b>	<b>\$ 12,309,274.42</b>	<b>\$ 319,581.94</b>	<b>\$ 167,672.76</b>	<b>\$ 370,751.26</b>	<b>\$ 937,781.46</b>	<b>\$ 1,796,053.88</b>	<b>\$ 832,776.88</b>	<b>\$ 3,132,829.42</b>	<b>\$ 1,140,177.55</b>	<b>\$ 3,611,649.27</b>	<b>\$ 12,290,977.56</b>	<b>\$ 24,390,375.00</b>			

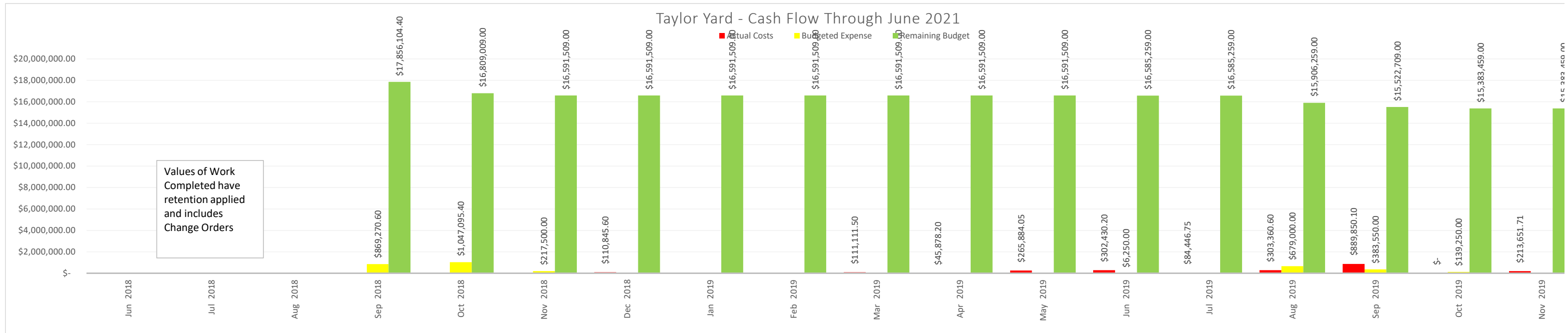
FUNDING DISBURSEMENT REQUESTS SUBMITTED TO METRO	DISBURSEMENT PAYMENT RECEIVED (5% Deduction for Retention)		DISBURSEMENT PAYMENT REQUESTED (No Retention)	
1. DISBURSEMENT NO.01	\$	(3,507,495.00)	\$	(3,692,100.00)
2. DISBURSEMENT NO.02	\$	(8,413,389.43)	\$	(8,856,199.40)
3. DISBURSEMENT NO.03	\$	(3,620,078.55)	\$	(3,810,609.00)
4. DISBURSEMENT NO.04	\$	(4,882,840.38)	\$	(5,139,832.41)
<b>TOTAL DISBURSEMENTS TO DATE</b>	\$	<b>(20,423,803.36)</b>	\$	<b>(21,498,740.81)</b>
<b>FUNDING DISBURSEMENT REQUEST NO. 05 (JANUARY 2021-JUNE 2021)</b>	\$	<b>24,390,375.00</b>	+	\$ <b>(21,498,740.81)</b>
<b>FUNDING DISBURSEMENT REQUEST NO. 05 (JANUARY 2021-JUNE 2021) -5% RETENTION AMOUNT</b>		<b>5% of \$</b>	<b>2,891,634.19</b>	\$ <b>(144,581.71)</b>
<b>FUNDING DISBURSEMENT REQUEST NO. 05 (JANUARY 2021-JUNE 2021)</b>			<b>\$</b>	<b>2,747,052.48</b>
<b>FUNDING BALANCE REMAINING FROM MOU BUDGET OF \$21.7 M</b>	\$	<b>21,700,000.00</b>	+	\$ <b>(24,390,375.00)</b>

Notes:  
1. Staff Charges for Quarters 7 (\$169K) and 8 (\$235 K), in the amount of \$404K was not requested in Disbursement Request No. 03 Projection, and it is not requested in full in this Disbursement Request  
2. Costs in this table are cumulative and costs herein have been incorporated in Disbursement Request No. 1, 2, and 3 and 4. Actual disbursement receipts, Nos 1, 2, 3 and 4 are shown herein.

**TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE O/LA RIVER  
ORTIZ ENTERPRISES- CASH FLOW DIAGRAM**

WO E1907487

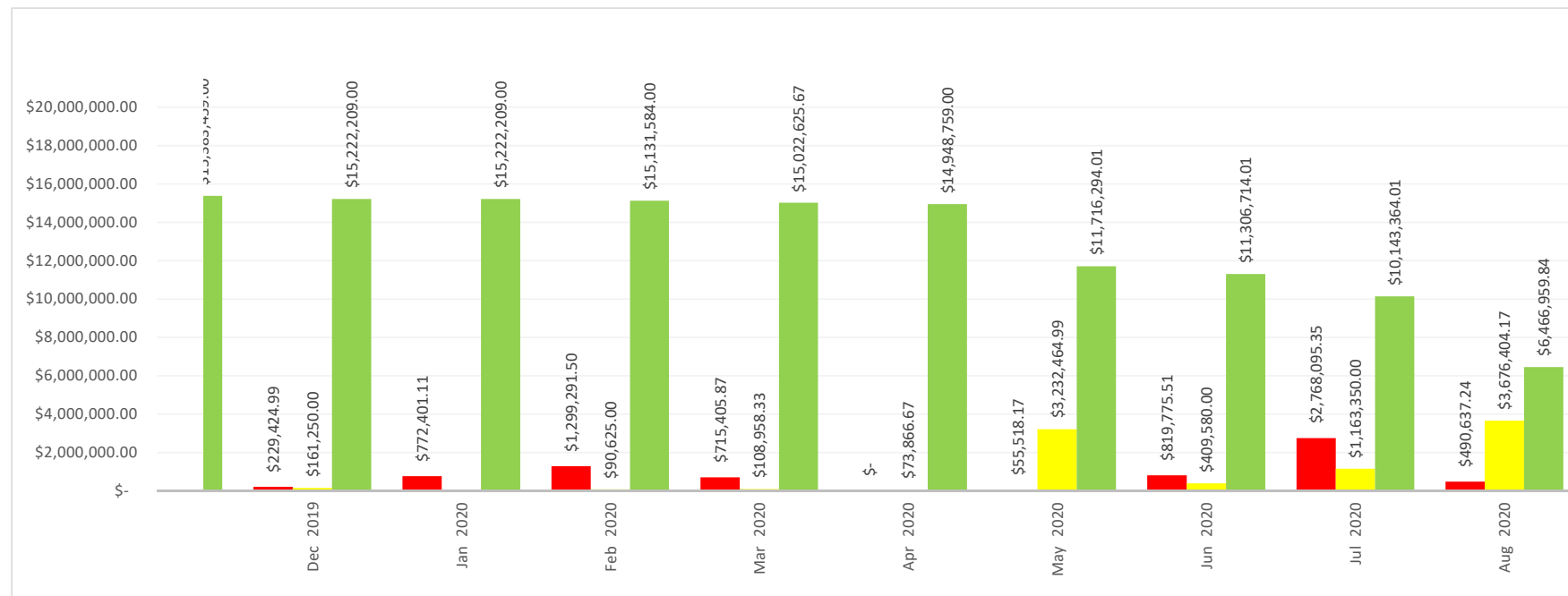
Date	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019
Value of Work Completed this Period (Not including Retention)							\$ 110,845.60			\$ 111,111.50	\$ 45,878.20	\$ 265,884.05	\$ 302,430.20	\$ 84,446.75	\$ 303,360.60	\$ 889,850.10	\$ -	\$ 213,651.71
Budgeted Monthly Expense				\$869,270.60	\$1,047,095.40	\$217,500.00							\$6,250.00	\$679,000.00	\$383,550.00	\$139,250.00		
Total Remaining Balance				\$17,856,104.40	\$16,809,009.00	\$16,591,509.00	\$16,591,509.00	\$16,591,509.00	\$16,591,509.00	\$16,591,509.00	\$16,591,509.00	\$16,591,509.00	\$16,585,259.00	\$16,585,259.00	\$15,906,259.00	\$15,522,709.00	\$15,383,459.00	\$15,383,459.00



**TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE O/LA RIVER  
ORTIZ ENTERPRISES- CASH FLOW DIAGRAM**

WO E1907487

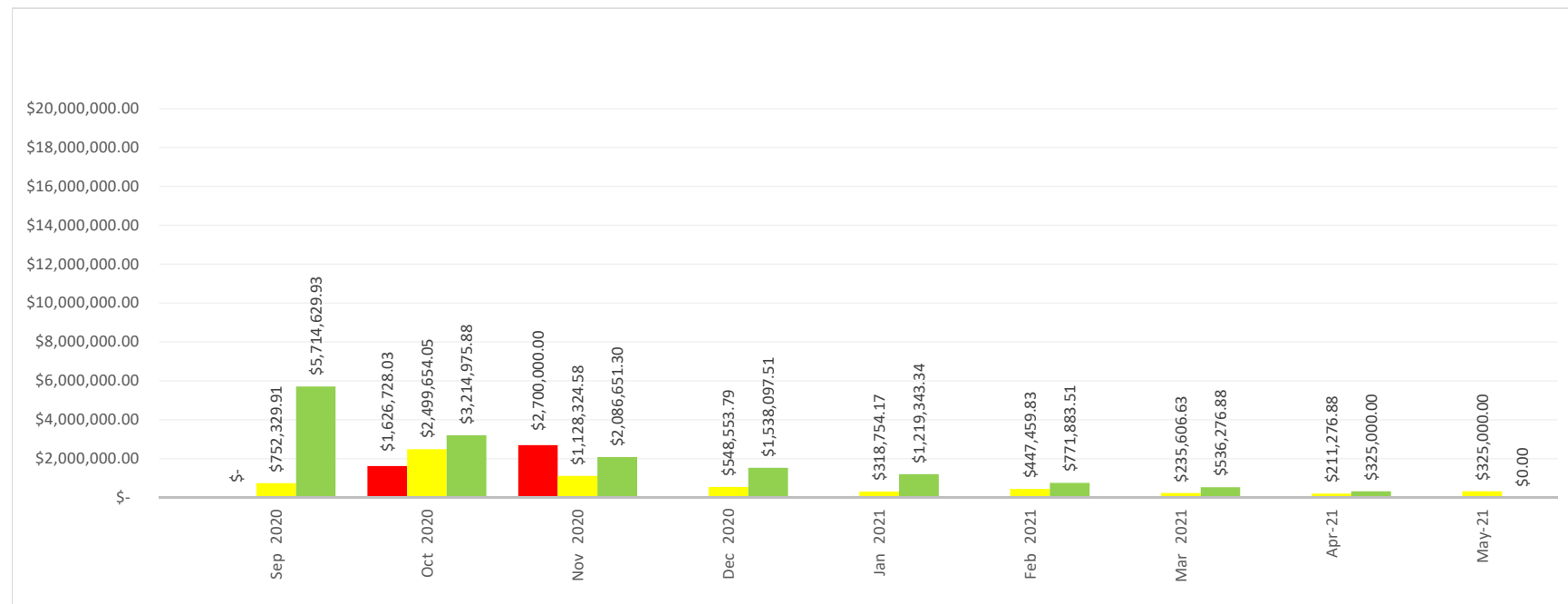
Date	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020
Value of Work Completed this Period (Not including Retention)	\$ 229,424.99	\$ 772,401.11	\$ 1,299,291.50	\$ 715,405.87	\$ -	\$ 55,518.17	\$ 819,775.51	\$ 2,768,095.35	\$ 490,637.24
Budgeted Monthly Expense	\$161,250.00		\$90,625.00	\$108,958.33	\$73,866.67	\$3,232,464.99	\$409,580.00	\$1,163,350.00	\$3,676,404.17
Total Remaining Balance	\$15,222,209.00	\$15,222,209.00	\$15,131,584.00	\$15,022,625.67	\$14,948,759.00	\$11,716,294.01	\$11,306,714.01	\$10,143,364.01	\$6,466,959.84



**TAYLOR YARD BIKEWAY/PEDESTRIAN BRIDGE O/LA RIVER  
ORTIZ ENTERPRISES- CASH FLOW DIAGRAM**

WO E1907487

Date	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr-21	May-21	Period Total	Revised Contract (including Change Orders)
Value of Work Completed this Period (Not including Retention)	\$ -	\$ 1,626,728.03	\$ 2,700,000.00							\$ 13,804,736.48	\$ 13,804,736.48
Budgeted Monthly Expense	\$752,329.91	\$2,499,654.05	\$1,128,324.58	\$548,553.79	\$318,754.17	\$447,459.83	\$235,606.63	\$211,276.88	\$325,000.00	\$18,725,375.00	\$20,056,002.07
Total Remaining Balance	\$5,714,629.93	\$3,214,975.88	\$2,086,651.30	\$1,538,097.51	\$1,219,343.34	\$771,883.51	\$536,276.88	\$325,000.00	\$0.00	\$4,920,638.52	\$6,251,265.59



**CONTRACTOR- COST LOADED SCHEDULE PROJECTION VS ACTUAL EXPENDITURE**

		A	B	C	D	E	F
		Contractor- P6 Budgeted Expenditure (Per Month)	Contractor- P6 Budgeted Expenditure (Cumulative)	Contractor- P6 Budgeted Expenditure per Quarter (Cumulative)	Contractor- Actual Expenditure per Quarter (Payment Requests)	Contractor- Actual Expenditure per Quarter (Payment Requests (Cumulative))	Cost Difference (C-E)
Quarter 1	Jul-18	\$ -	\$ -				
	Aug-18	\$ -	\$ -				
	Sep-18	\$ 869,270.60	\$ 869,270.60	\$ 869,270.60	\$ -	\$ -	\$ 869,270.60
Quarter 2	Oct-18	\$ 1,047,095.40	\$ 1,916,366.00				
	Nov-18	\$ 217,500.00	\$ 2,133,866.00				
	Dec-18	\$ -	\$ 2,133,866.00	\$ 2,133,866.00	\$ 110,845.60	\$ 110,845.60	\$ 2,023,020.40
Quarter 3	Jan-19	\$ -	\$ 2,133,866.00				
	Feb-19	\$ -	\$ 2,133,866.00				
	Mar-19	\$ -	\$ 2,133,866.00	\$ 2,133,866.00	\$ 111,111.50	\$ 221,957.10	\$ 1,911,908.90
Quarter 4	Apr-19	\$ -	\$ 2,133,866.00				
	May-19	\$ -	\$ 2,133,866.00				
	Jun-19	\$ 6,250.00	\$ 2,140,116.00	\$ 2,140,116.00	\$ 614,192.45	\$ 836,149.55	\$ 1,303,966.45
Quarter 5	Jul-19	\$ -	\$ 2,140,116.00				
	Aug-19	\$ 679,000.00	\$ 2,819,116.00				
	Sep-19	\$ 383,550.00	\$ 3,202,666.00	\$ 3,202,666.00	\$ 1,277,654.45	\$ 2,113,804.00	\$ 1,088,862.00
Quarter 6	Oct-19	\$ 139,250.00	\$ 3,341,916.00				
	Nov-19	\$ -	\$ 3,341,916.00				
	Dec-19	\$ 161,250.00	\$ 3,503,166.00	\$ 3,503,166.00	\$ 443,076.70	\$ 2,556,880.70	\$ 946,285.30
Quarter 7	Jan-20	\$ -	\$ 3,503,166.00				
	Feb-20	\$ 90,625.00	\$ 3,593,791.00				
	Mar-20	\$ 108,958.33	\$ 3,702,749.33	\$ 3,702,749.33	\$ 2,787,098.48	\$ 5,343,979.18	\$ (1,641,229.85)
Quarter 8	Apr-20	\$ 73,866.67	\$ 3,776,616.00				
	May-20	\$ 3,232,464.99	\$ 7,009,080.99				
	Jun-20	\$ 409,580.00	\$ 7,418,660.99	\$ 7,418,660.99	\$ 875,293.68	\$ 6,219,272.86	\$ 1,199,388.13
Quarter 9	Jul-20	\$ 1,163,350.00	\$ 8,582,010.99				
	Aug-20	\$ 3,676,404.17	\$ 12,258,415.16				
	Sep-20	\$ 752,329.91	\$ 13,010,745.07	\$ 13,010,745.07	\$ 3,258,732.59	\$ 9,478,005.45	\$ 3,532,739.62
Quarter 10 (Current Quarter)*	Oct-20	\$ 2,499,654.05	\$ 15,510,399.12				
	Nov-20	\$ 1,128,324.58	\$ 16,638,723.70				
	Dec-20	\$ 548,553.79	\$ 17,187,277.49	\$ 17,187,277.49	\$ 4,326,728.03	\$ 13,804,733.48	\$ 3,382,544.01
Quarter 11	Jan-21	\$ 318,754.17	\$ 17,506,031.66				
	Feb-21	\$ 447,459.83	\$ 17,953,491.49				
	Mar-21	\$ 235,606.83	\$ 18,189,098.32	\$ 18,189,098.32	FUTURE	FUTURE	FUTURE
Quarter 12	Apr-21	\$ 211,276.88	\$ 18,400,375.00				
	May-21	\$ 325,000.00	\$ 18,725,375.00				
	Jun-21	\$ -	\$ 18,725,375.00	\$ 18,725,375.00	FUTURE	FUTURE	FUTURE
<b>Total</b>			<b>\$ 18,725,375.00</b>				
<b>Current Executed Change Orders as of 11/19/20</b>			<b>\$ 1,330,627.07</b>				
<b>Current Contract Amount</b>			<b>\$ 20,056,002.07</b>				
<b>Notes:</b>							
1) The cost differences between the cost loaded anticipated expenditures and the actual expenditures ( Column F) are due to payment requests being delayed							
2) This expenditure for quarter 10 has not completed the month of December 2020, which is expected to be another \$2 M payment request							
3) Contractor Payment Request include change order costs							





**THIS SCHEDULE IS FROM JULY  
(NEED TO PROVIDE UPDATED SCHEDULE)**

Activity ID	Activity Name	Original Duration	Start	Finish	Expense Cost % Complete	Budgeted Expense Cost	Actual Expense Cost	Remaining Expense Cost	2018												2019												2020												2021											
									May	Jun	Jul	Aug	Sep	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar	Apr	May	Jun										
<b>Project: City of LA - Taylor Yard Bikeway Ped Bridge</b>																																																								
<b>WBS: Taylor Yard Bikeway/Ped Bridge</b>																																																								
<b>WBS: Review and Approve</b>																																																								
Rev-0015	Rev & App Falsework	30	03-Mar-20A	08-May-20A	7%	\$50,000.00	\$3,500.00	\$46,500.00																																																
<b>WBS: Long Lead Items</b>																																																								
A1008	Furnish Structural Steel - Stinger	0	18-Dec-19A	04-Aug-20	50.73%	\$3,026,664.99	\$1,535,355.99	\$1,491,309.00																																																
<b>WBS: Stage 1</b>																																																								
<b>WBS: Admin</b>																																																								
S1-0019	Utility - Coordination	40	21-Sep-18A	10-Oct-18A	64.33%	\$1,225,451.00	\$788,330.39	\$437,120.61																																																
S1-0020	Mobilization	5	21-Sep-18A	10-Oct-18A	94.07%	\$600,000.00	\$564,445.60	\$35,554.40																																																
S1-0021	Field Office	5	21-Sep-18A	27-Sep-18A	100%	\$45,451.00	\$45,451.00	\$0.00																																																
<b>WBS: Construction</b>																																																								
<b>WBS: Traffic Control</b>																																																								
49-1001	Temp Stripe / Delineators / Crash Cushions	1	07-Jul-20	07-Jul-20	52%	\$75,000.00	\$38,997.60	\$36,002.40																																																
50-1005	Misc - Access Roads	2	20-May-19A	21-May-19A	66.87%	\$187,000.00	\$125,050.00	\$61,950.00																																																
64-1004	Remove Bike Path - PCC, Trees, planting Clear and Gru	3	22-Apr-19A	24-Apr-19A	79.68%	\$157,915.00	\$125,826.43	\$32,088.57																																																
<b>WBS: Water Diversion/SWPPP/BMPs</b>																																																								
5-1001	Setup Netting Up Stream - Bio Work relocations	1	15-Apr-19A	15-Apr-19A	68.82%	\$50,000.00	\$34,410.00	\$15,590.00																																																
5-1002	Install Diversion	3	30-Apr-19A	03-May-19A	81.69%	\$375,000.00	\$306,345.00	\$68,655.00																																																
<b>WBS: Structures</b>																																																								
<b>WBS: Bridge</b>																																																								
<b>WBS: Bridge</b>																																																								
B1000	Remove Existing Structures	2	07-Jun-19A	11-Jun-19A	63.54%	\$138,500.00	\$88,000.00	\$50,500.00																																																
<b>WBS: Abut 1</b>																																																								
Abut1-1000	South Abut - Struct Ex Footings	3	10-Jun-19A	11-Jun-19A	92.44%	\$6,250.00	\$5,777.50	\$472.50																																																
Abut1-1001	South Abut - CIDH Piles and Testing	15	10-Aug-19A	14-Aug-19A	100%	\$188,650.00	\$188,650.00	\$0.00																																																
Abut1-1008	South Abut 1 - Pour Pile Cap	1	07-Jul-20	07-Jul-20	0%	\$74,000.00	\$0.00	\$74,000.00																																																
<b>WBS: Pier 2</b>																																																								
Pier2-1000	Pier 2 - Struct Ex open cuts	3	01-Aug-19A	07-Aug-19A	92.83%	\$120,000.00	\$186,400.00	\$14,400.00																																																
Pier2-1001	Pier 2 - CIDH Piles and Testing	15	21-Aug-19A	10-Sep-19A	100%	\$559,000.00	\$558,987.00	\$13.00																																																
Pier2-1004	Pier 2 Footing Pour	1	25-Jun-20A	25-Jun-20A	12.71%	\$362,000.00	\$46,000.00	\$316,000.00																																																
Pier2-1008	Pier 2 - Pour Pier Wall	1	24-Jul-20	24-Jul-20	0%	\$590,000.00	\$0.00	\$590,000.00																																																
Pier2-1009	Pier 2 - Strip/Cure Pier Wall / Backfill	3	25-Jul-20	27-Jul-20	31.49%	\$202,150.00	\$63,650.00	\$138,500.00																																																
<b>WBS: Abut 3</b>																																																								
Abut3-1001	North Abut 3 - Structure Ex / Drill Piles	12	13-Sep-19A	18-Sep-19A	99.76%	\$194,900.00	\$194,427.50	\$472.50																																																
Abut3-1008	North Abut 3 - Pour Abut Pile Cap	1	07-Jul-20	07-Jul-20	0%	\$74,000.00	\$0.00	\$74,000.00																																																
<b>WBS: Bridge Deck</b>																																																								
<b>WBS: Steel Structure Stage 1</b>																																																								
Stage 1-20000	Assemble Steel Work	10	04-Aug-20*	17-Aug-20	0%	\$640,011.67	\$0.00	\$640,011.67																																																
Stage 1-20001	Install Stay in place formwork and railing	5	18-Aug-20*	24-Aug-20	0%	\$535,575.00	\$0.00	\$535,575.00																																																
Stage 1-20003	stress horizontal bracing rods per S103	2	03-Sep-20	04-Sep-20	0%	\$597,611.66	\$0.00	\$597,611.66																																																
<b>WBS: Steel Structure Stage 3</b>																																																								
Stage 3 - 1	Install & Stress hor. bracing rods w/in splice bays	7	09-Oct-20	19-Oct-20	52.59%	\$526,500.00	\$276,874.63	\$249,625.37																																																
Stage 3 - 2	Stress Stage 1 vertical Bracing rods	3	20-Oct-20	22-Oct-20	24.19%	\$1,802,611.67	\$436,001.88	\$1,366,609.79																																																
<b>WBS: Steel Structure stage 4</b>																																																								
Stage 4 - 2	Cast Slab deck	2	13-Nov-20	16-Nov-20	0%	\$802,700.00	\$0.00	\$802,700.00																																																
<b>WBS: Steel Structure Stage 5</b>																																																								
Stage 5-2	Complete all Finishes	5	29-Jan-21	04-Feb-21	0%	\$297,000.00	\$0.00	\$297,000.00																																																
<b>WBS: NS Bike Path RW 1</b>																																																								
64-RW1-S1-1000	Ex - RW 1 Sta 2+00 to Sta 1+45	1	05-Feb-20A	07-Jul-20	11.62%	\$200,000.00	\$23,250.00	\$176,750.03																																																
64-RW1-S2-1000	Ex - RW 1 Sta 1+00 to 3+00	1	04-Aug-20	04-Aug-20	0%	\$1,870,300.00	\$0.00	\$1,870,299.96																																																
RW1-S1-1004	Sta 2+00 to Sta 1+45- Ftg - Pour	2	18-Aug-20	20-Aug-20	97.07%	\$80,625.00	\$103,500.00	\$3,125.00																																																
RW1-S1-1008	Sta 2+00 to Sta 1+45- Walls - Pour	2	06-Oct-20	08-Oct-20	97.07%	\$80,625.00	\$103,500.00	\$3,125.00																																																
RW1-S2-1004	1+09 to 3+0 - Ftg - Pour	1	17-Sep-20	18-Sep-20	97.07%	\$80,625.00	\$103,500.00	\$3,125.00																																																
RW1-S2-1008	1+09 to 3+0 - Walls - Pour	2	24-Nov-20	30-Nov-20	88.75%	\$90,625.00	\$103,500.00	\$13,125.00																																																
<b>WBS: SS Bike Path RW 2</b>																																																								
RW2-SS-S1-1004	Sta 8+45 to Sta 7+24- Ftg - Pour	2	02-Jan-20A	02-Jan-20A	97.07%	\$80,625.00	\$103,500.00	\$3,125.00																																																
RW2-SS-S1-1008	Sta 8+45 to Sta 7+24 - Wall - Pour	2	26-Mar-20A	08-May-20A	97.07%	\$80,625.00	\$103,500.00	\$3,125.00																																																

█ Actual Level of Effort   
 █ Actual Work   
 █ Critical Remaining Work  
█ Primary Baseline   
 █ Remaining Work   
 ◆ Milestone

