

Meeting Date: June 9, 2015

Agenda Item 17

REQUESTED COMMISSION ACTION:

Consent Ordinance Resolution Consideration Workshop Initiative

SHORT TITLE OR MOTION: An Ordinance of the City Commission of the City of Pompano Beach, Florida, approving and authorizing the proper city officials to execute Change Order No.1 in the amount of \$1,848,600.00 pursuant to the contract between the City of Pompano Beach and OHL Building, Inc. for the Library, Cultural Center, and Civic Campus Project; providing for severability; providing an effective date.

Summary of Purpose and Why: On June 14, 2014 City Commission approved the Construction Manager-At-Risk with a GMP Contract with OHL Building, Inc. for the Library, Cultural Center and Civic Campus Project in the amount of \$17,099,743.00. This approved GMP did not include several items that were listed as add alternates as shown in Exhibit C (VE) of the contract, attached herein. A copy of the full contract can be downloaded from the following link: <https://file.ac/hzpvLnJIL9Y/> At this time city staff is recommending these add alternates be included which will increase the GMP and add significant value, and enhance the project. Additionally, there were recommendations by the DRC, AAC, & P&Z committee members that required architectural and site design changes which also increased the GMP. Lastly, there were changes to the structural steel design of the building due to code requirements and permitting comments after the initial GMP was established that resulted in additional scope, further increasing GMP. The additional funding for these items is \$1,848,600.00 (Exhibit B attached), increasing the GMP to the total amount of \$18,948,343.00. These items which increase the GMP are a result of scope changes and therefore warrant a change order (Exhibit A).

QUESTIONS TO BE ANSWERED BY ORIGINATING DEPARTMENT:

- (1) Origin of request for this action: Staff
- (2) Primary staff contact: Robert McCaughan/Tammy Good Ext 4097/5512
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: \$1,848,600.00 Account #302-7417-539.65-12
From FY 2016 Budgeted Working Capital Reserve (302-0000-599-9920)

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE
Public Works	<u>5/28/15</u>	APPROVE	<u>[Signature]</u>
Budget	<u>6-1-15</u>	APPROVE	<u>[Signature]</u>
General Services	<u>5/29/15</u>	APPROVE	<u>[Signature]</u>
Finance	<u>6/1/15</u>	APPROVE	<u>[Signature]</u>
City Attorney	<u>5/26/15</u>	APPROVE	CA Communication #2015-1008 <u>[Signature]</u>

Advisory Board
 Development Services Director
 City Manager [Signature]

[Signature]

ACTION TAKEN BY COMMISSION:

Ordinance	Resolution	Consideration	Workshop
1st Reading	1st Reading	Results:	Results:
_____	_____	_____	_____
_____	_____	_____	_____
2nd Reading	_____	_____	_____
_____	_____	_____	_____



City Attorney's Communication #2015-1008
May 26, 2015

TO: Tammy Good, P.M.P., Civil Engineer II
FROM: Gordon B. Linn, City Attorney
RE: Ordinance – Change Order / OHL Building, Inc.

As requested in your memorandum dated May 21, 2015, I have prepared and attached the following form of Ordinance:

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE CHANGE ORDER NO. 1 IN THE AMOUNT OF \$1,848,600.00 PURSUANT TO THE CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND OHL BUILDING, INC. FOR THE LIBRARY, CULTURAL CENTER AND CIVIC CAMPUS PROJECT; PROVIDING FOR SEVERABILITY; PROVIDING AN EFFECTIVE DATE.

Details of the modifications should be referenced in the contract modification and attached.


GORDON B. LINN

GBL/jrm
l:cor/engr/2015-1008

Attachment

CITY OF POMPANO BEACH
Broward County, Florida

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE CHANGE ORDER NO. 1 IN THE AMOUNT OF \$1,848,600.00 PURSUANT TO THE CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND OHL BUILDING, INC. FOR THE LIBRARY, CULTURAL CENTER AND CIVIC CAMPUS PROJECT; PROVIDING FOR SEVERABILITY; PROVIDING AN EFFECTIVE DATE.

WHEREAS, pursuant to law, ten (10) days' notice has been given by publication in a paper of general circulation in the City, notifying the public of this proposed ordinance and of a public hearing in the City Commission Chambers of the City of Pompano Beach; and

WHEREAS, a public hearing before the City Commission was held pursuant to the published notice described above, at which hearing the parties in interest and all other citizens so desiring had an opportunity to be and were, in fact, heard; now, therefore,

BE IT ENACTED BY THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1. That a Change Order between the City of Pompano Beach and OHL Building, Inc., for the Library, Cultural Center and Civic Campus, a copy of which Change Order is attached hereto and incorporated herein by reference as if set forth in full, is hereby approved.

SECTION 2. That the proper City officials are hereby authorized to execute said Change Order.

SECTION 3. If any provision of this Ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of

this Ordinance that can be given effect without the invalid provision or application, and to this end the provisions of this Ordinance are declared to be severable.

SECTION 4. This Ordinance shall become effective upon passage.

PASSED FIRST READING this _____ day of _____, 2015.

PASSED SECOND READING this _____ day of _____, 2015.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND, CITY CLERK

/jrm
5/26/15
L:ord/2015-344

EXHIBIT A



CONTRACT MODIFICATION (CHANGE ORDER)
 CITY OF POMPANO BEACH
 P.O. Drawer 1300
 Pompano Beach, FL 33061

Project Name: Library, Cultural Center, Civic Campus	Bid #: H-43-13
Project Number: 11-139	Date: May 27, 2015
Owner: City of Pompano Beach	Change Order #: 1
Contractor: OHL Building, Inc.	

All items terms and conditions of the original contract H-43-13 dated 5/27/14 remain unchanged and in full force and effect. To access the original GMP contract, copy and paste link into browser: <https://file.ac/hzpvLnJIL9Y/>

The following modifications (see Exhibit B for details) to the CONTRACT are hereby ordered:

<u>CONTRACT AMOUNT</u>		<u>CONTRACT TIME (Calendar Days)</u>	
Original	\$ <u>17,099,743.00</u>	Original Contract Time	<u>TBD</u> Days
Previous Changes (+/-)	\$ <u>N/A</u>	Previous Changes (+/-)	<u> </u> Days
This Change Order (+/-)	\$ <u>1,848,600.00</u>	This Change Order (+/-)	<u> </u> Days
Revised Contract Amount	\$ <u>18,948,343.00</u>	Revised Contract Time	<u> </u> Days
% change from Original (this CO)	<u>11%</u>	Revised Contract Completion Date	<u> </u>
Original Contract Completion Date Is	<u>TBD</u>		

OWNER	PROJECT MANAGER	CONTRACTOR
City of Pompano Beach	Tammy Good, PMP	OHL Building, Inc.
P.O. Box 1300	P.O. Box 1300	7051 SW 12 th Street
Pompano Beach, FL 33061	Pompano Beach, FL 33061	Miami, FL 33144

By: _____ By: Tammy Good By: [Signature]
 City Manager Date: 5-28-15 Date: 5/28/2015

CITY ENGINEER	PUBLIC WORKS ADMINISTRATOR	ARCHITECT
City of Pompano Beach	City of Pompano Beach	Silva Architects
1201 NE 5 th Avenue	1201 NE 5 th Avenue	135 San Lorenzo Ave
Pompano Beach, FL 33060	Pompano Beach, FL 33060	Coral Gables, FL 33146

By: Alexander Duf By: Robert McCaughy By: [Signature]
 City Engineer Public Works Administrator
 Date: 5-28-15 Date: 5/28/15 Date: 5-27-15

Change Order Category	Sub Category
<input checked="" type="checkbox"/> Owners Request <input type="checkbox"/> Unforeseen <input type="checkbox"/> Consultant Error <input checked="" type="checkbox"/> Consultant Omission	<input checked="" type="checkbox"/> Regulatory Compliance <input type="checkbox"/> Safety/ Emergency

"CONTRACTOR"

OHL Building Inc.
(Print name of company)

Witnesses:

[Signature]

Veronica Fuenzalida.

No. CGC 1521229

By [Signature]

Print Name: Arthur HOYNACK

Title: VIC PRESIDENT

Business

License

STATE OF FLORIDA

COUNTY OF Miami-Dade.

The foregoing instrument was acknowledged before me this 28 day of May, 2015, by Arthur Hoynack as Vice President of OHL Building Inc., A Florida Corporation on behalf of the corporation. He/she is personally known to me or who has produced Self.

(type of identification) as identification.

NOTARY'S SEAL:

[Signature]
NOTARY PUBLIC, STATE OF FLORIDA

Brandis Perez
(Name of Acknowledger Typed, Printed or Stamped)

FF 103741
Commission Number

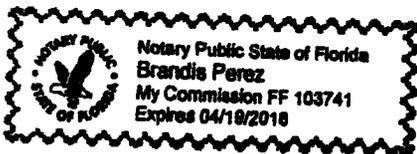


EXHIBIT B



OHL
Building

ADDITIONS/CHANGES IN SCOPE AFFECTING GMP

Date: April 24, 2015

Documents: 100% Construction Documents Permit Re-Submittal Dated October 31, 2014 with Addendums 1 - 6

	In Original \$17,099,743 GMP	Change in Scope	Reason for Change	Unit Cost	Subtotal
	Original GMP Ordinance No. 2014-43 Dated June 10, 2014 Contract Amount with all deductive VE and Alternates as detailed in referenced Ordinance			\$ 17,099,743.00	
					\$ 17,099,743.00
1	The original design did not have paver walkways at South parking lot. Reference 100%CD plan dated 2/27/2014.	Concrete Pavers walkway was added to south lot.	The former reviewer for City's Planning and Zoning Department requested additional concrete pavers in the south parking area after the GMP agreement was finalized.	\$ 10,940.00	
2	The original design did not have parallel parking or new sidewalk in this area. Reference 100%CD plan dated 2/27/2014.	New parallel parking was added along SW 2nd Street and new concrete sidewalks were added along SW 2nd Street and SW 1st Terrace.	The former reviewer for City's Planning and Zoning Department requested additional parallel parking constructed of asphalt paving in the south parking area after the GMP agreement was finalized.	\$ 24,614.00	
3	The original design did not have pervious pavers or parallel parking in this area. Reference 100%CD plan dated 2/27/2014.	Pervious concrete pavers and new parallel parking was added at south parking lot along SW 1st Terrace.	The former reviewer for City's Planning and Zoning Department requested requested additional parallel parking constructed of pervious paving in the south parking area after the GMP agreement was finalized.	\$ 15,296.00	
4	The original design did not have window openings on East Elevation. Reference 100%CD plan dated 2/27/2014.	Windows type W7 and additional recessed stucco accent areas were added .	The Architectural Appearance Committee (AAC) requested additional glazing on the building's east elevation after the GMP agreement was finalized.	\$ 30,900.00	
5	Bond was removed as part of the VE to reach the budget and excluded in Ordinance, exhibit A, page 56, item # GC77 Performance and Payment Bonds - Chapter 558- Opt Out.	Bond was subsequently required and submitted to City.	The bond was removed from the project at the request of the City due in part, to issues the City has had completing a bonded project. This requirement was added back in at the request of the City's Legal Counsel.	\$ 132,250.00	
6	Wage rates were included only for the County funded work. Reference RFI #21 dated 4/9/14	Wage Rates were required for entire project.	Wage Rates were originally included on the County Funded portion of the project as agreed to by all parties. After approval of the GMP the County's Counsel determined the wage rates applied to the entire project.	\$ 169,565.00	
7	Net Difference after adjusting for structural steel changes, VE reconciliation and overall document coordination with regulatory agencies.	Changes in design based on plan review, rejected VE and delays in receiving NTP have impacted cost of work.	Design changes, review comments and Owner Acceptance/Rejection of VE as offered	\$ 111,770.00	
8	Subtotal of Revised Scope				\$ 495,335.00
9	Revised Estimate Submitted February 04, 2015				\$ 17,595,078.00

Items that are not included in the \$17,595,078.00 but may be added to Enhance The Project (Add Alternates)					
	In Current GMP	Description of Enhancement	Reason for Change	Unit Cost	Subtotal
10	Multi Vista was agreed to be purchased directly by Owner	Multi Vista was requested to be purchased by CM	The City has requested the inclusion of Multi Vista to enhance the project documentation during construction and record keeping throughout the life of the building. This item was eventually removed. Please see item 43 below.	\$ 13,128.00	
11	Air cooled chillers are currently included as HVAC system.	Use water cooled chillers in lieu of air cooled	The City and County has requested the inclusion of water cooled chillers to increase cooling efficiency and improve the Life Cycle Cost throughout the life of the building.	\$ 98,475.00	
12	Current price includes earth berm at elevation difference	Concrete knee walls in lieu of earth berm at lawn area	The City requested the concrete retaining walls remain in the project to enhance the look of the landscape area after the GMP agreement was finalized.	\$ 206,290.00	
13	Priced includes empty raceways and pull strings for future installation of Theatrical Performance Systems	Upgrade to a full Theatrical Performance System to include sound, video and communication system	The City has requested the full SVC System be installed at this time in lieu of just the Infrastructure to enable performances to occur immediately after construction is complete	\$ 439,863.00	
14	Provide kitchen equipment at a future date. All rough-in connection points for future kitchen equipment installation are included.	Provided full Kitchen Equipment Package, as designed, including walk in cooler/freezer and cooking/hood/UDS system	The City has requested the installation of a full kitchen at this time to allow for full food service capabilities during events	\$ 158,856.00	

EXHIBIT B



ADDITIONS/CHANGES IN SCOPE AFFECTING GMP

Date: April 24, 2015

Documents: 100% Construction Documents Permit Re-Submittal Dated October 31, 2014 with Addendums 1 - 6

	In Original \$17,099,743 GMP	Change in Scope	Reason for Change	Unit Cost	Subtotal
15	Mid-back chair and plastic armrests are currently included.	Theater Seating Upgrade to include wood armrests and high back chairs	The City has requested wood armrests and high back seating for the theatrical seats in lieu of plastic armrests and low back seating	\$ 23,505.00	
16	Elevator priced with flat laminate walls, standard aluminum frame ceiling with prismatic lens. Freight elevator to have 2 in-line openings	Passenger elevator cab upgrades to include raised panels w/stainless steel, Stainless steel ceiling with downlights. Freight elevator to have 3 openings, 2 in-line and one rear at ground floor.	The City has requested upgraded elevator finishes to consist of raised wall panels with stainless steel reveals and stainless steel ceiling with downlights. Freight elevator re-design will not work with Owner requirements.	\$ 24,614.00	
17	Schedule 40 and Schedule 80 CPVC for domestic supply. Lay in grilles for air distribution. Redesign ductwork to reduce VAVs by 10.	General Mechanical Upgrades: Use copper in lieu of CPVC, Provide linear diffusers in lieu of lay in grilles and provide ductwork and VAVs as designed.	The City has requested various mechanical upgrades to enhance the Life Cycle Cost, aesthetics and air volume control	\$ 12,034.00	
18	Pricing did not include lightning protection	Install lightning protection	The City has requested additional electrical requirements to increase safety and provide a better Life Cycle Cost	\$ 21,168.00	
19	Base price included non-LED fixtures in the lighting package	Provide LED fixtures for project	The City has requested additional electrical requirements to increase safety and provide a better Life Cycle Cost	\$ 13,128.00	
20	Acoustical wall panels were deferred to later purchase to coincide with future sound system installation.	Acoustical Enhancement in Multi Purpose Room to provide acoustical wall panels.	The City would like to install the acoustical panels on the drywall partitions to enhance the sound during performances	\$ 74,280.00	
21	Acoustical wall panels were deferred to later purchase and wood floors were Value Engineered to luxury vinyl plank flooring. Pricing based on USF Contract, Stratatum Luxury Vinyl Tile	Flooring Finish Enhancement in Multi Purpose Room - to provide Duracushion II maple flooring	The City would like to upgrade the flooring from a \$5.00/sf material to resilient wood performance floor.	\$ 21,880.00	
22	No specialty engineering was included	Additional requirements for specialty engineer design of connections and various structural steel elements	New requirement, typically provided by engineer of record	\$ 37,792.00	
23	Total Cost of Enhancements				\$ 1,145,013.00
24	Total Project Cost with Desired Enhancements				\$ 18,740,091.00

Items Required During Plan Review and VE Acceptance/Rejection					
25	Original pricing included cost of work as designed.	Additional rain tank, storm drainage system piping, earthwork and asphaltic pavement modifications.	Design Changes as issued with Addendums 4 - 6 that were required by plan review comments.	\$ 189,653.00	
26	Original pricing included cost of work as designed.	Additional concrete shear walls and changing masonry to cast-in-place structure to accommodate structural steel changes.	Design Changes as issued with Addendums 4 - 6 that were required to accommodate structural steel changes.	\$ 91,624.00	
27	Original pricing included cost of work as designed.	Savings obtained by coordinating with the structural steel and glazing systems to simplify the glazing support framing.	To provide the structural steel required to support the curtain wall system	\$ (121,157.00)	
28	Original pricing included cost of work as designed.	Additional sealants and caulking required due to re-design of structure	Provide sealants required for revised structural system	\$ 18,379.00	
29	Original pricing included cost of work as designed.	Addendum 4 - 6 Glass and glazing modifications	Design Changes as issued with Addendums 4 - 6 that were required by plan review comments.	\$ (44,145.00)	
30	Original pricing included cost of work as designed.	Addendum 4 - 6 Exterior wall framing modifications	Design Changes as issued with Addendums 4 - 6 that were required by plan review comments.	\$ (18,597.00)	
31	Original pricing included cost of work as designed.	VE item: Use crushed concrete in lieu of #57 rock for exfiltration trenches and rain tank	Rejected VE that was offered as an alternate drainage material. This material is acceptable under DOT Specifications but not allowed by Broward County	\$ 18,597.00	
32		VE item: S105- Revise high roof framing back to original design using W Shape members in lieu of the 12" x 8" x 1/2" tube steel currently shown	VE not fully realized.	\$ 72,530.00	
33		VE item: Reduce 6" x 6" x 1/2" angles in CWF areas to 4" X 4" X 1/4"	VE not fully realized.	\$ 30,128.00	
34		VE item: If the angles as described in 108 can be eliminated an additional deduction can be obtained	VE not fully realized.	\$ 73,646.00	

EXHIBIT B



ADDITIONS/CHANGES IN SCOPE AFFECTING GMP

Date: April 24, 2015

Documents: 100% Construction Documents Permit Re-Submittal Dated October 31, 2014 with Addendums 1 - 6

	In Original \$17,099,743 GMP	Change in Scope	Reason for Change	Unit Cost	Subtotal
35		VE item: Reduce CWF frames in accordance with isometric provided for the CWF-1 reduction. This savings is a projection based on all frames being able to be reduced by at least the same amount as the CWF-1 frame.	VE not fully realized.	\$ 245,487.00	
36		VE item: Change glazing from 1 5/16" insulated laminated to 9/16" laminated	VE rejected at this time. See item 41 below.	\$ 63,231.00	
37		VE item: Standard sump pump in lieu of Park sump pump specified	VE rejected at this time. See item 42 below.	\$ 10,940.00	
38	Cost of Above Changes				\$ 630,316.00
39	New Project Total				\$ 19,370,407.00

Items to be Accepted after further Consideration (VE)					
40		Cost of Contingency in GMP of \$17,099,743.00 is \$412,036.00	Cost of Contingency in Revised Amount of \$18,740,091.00 is \$428,295.00	\$ (16,259.00)	
41		Change glazing from 1 5/16" insulated laminated to 9/16" laminated	Energy model proved the 9/16" laminated glazing is more efficient in the Florida climate than the 1 5/16" glass	\$ (63,231.00)	
42		Standard sump pump in lieu of Park sump pump specified	Alternate pump system as submitted should be accepted	\$ (10,940.00)	
43		Multi Vista was requested to be purchased by CM	Multi Vista to be purchased by the City	\$ (13,128.00)	
44		Full Kitchen as designed	Kitchen Design-To Allowance providing required equipment to function as the Owner desires	\$ (58,856.00)	
45		Acoustical Enhancement in Multi Purpose Room to provide acoustical wall panels.	Provide at a later date if funds become available	\$ (74,280.00)	
46		Allowance Included for relocateable lighting in the performance system	Do not provide relocateable lights - These can be purchased at a later date	\$ (56,886.00)	
47		Review comments required concrete pavers to be installed as walkways in the south parking area	Remove concrete pavers and provide asphalt in the parking area and concrete in islands	\$ (6,564.00)	
48			Remove requirement of Subcontractor bonds	\$ (121,920.00)	
49	Cost of Above Changes				\$ (422,064.00)
50	New Project Total if Changes are Accepted				\$ 18,948,343.00

SUMMARY OF TOTALS

Original GMP (Ordinance No. 2014-43 June 10, 2014)		\$17,099,343.00
Design Changes (AAC, City Planning Staff), Bond, Wage Rates		\$495,335.00
Project Enhancements (Add Alternates), e.g. knee walls, performance system, elevator enhancements, water cooled A/C		\$1,145,013.00
Structural Design Changes, Storm Drain & Permit Revisions		\$630,316.00
Value Engineering Acceptance		-\$422,064.00
Total Increased Costs to GMP (Change Order)		\$1,848,600.00
Grand Total GMP		\$18,948,343.00

Owner Exhibit C (VE)



City of Pompano Beach Public Library and Cultural Arts Center
100% CD GMP

Date of Estimate: May 09, 2014

Basis for Estimate: 100% CDs Plans Dated 2/27/2014

RECAP

Division	Description	100% CD- GMP
1	General Requirements	\$ 250,950
1	Reimbursable General Conditions	\$ -
2	Site Work	\$ 2,070,504
3	Concrete	\$ 1,625,000
4	Masonry	\$ -
5	Metals	\$ 2,193,812
6	Woods & Plastics	\$ 146,293
7	Thermal Moisture	\$ 792,416
8	Doors & Windows	\$ 1,299,249
9	Finishes	\$ 2,884,159
10	Specialties	\$ 83,221
11	Equipment	\$ 827,580
12	Furnishings	\$ 271,756
13	Special Construction	\$ -
14	Conveying Systems	\$ 469,600
15	Mechanical	\$ 2,299,540
16	Electrical	\$ 1,467,950
	Subtotal	\$ 16,682,030
	General Conditions	\$ 1,156,232
	Contingency	\$ 445,957
	Insurance	\$ 182,842
	Fee	\$ 923,353
	Bond	\$ 193,904
	Total	\$ 19,584,318
	Subtotal Alternates/Value Engineering	\$ (2,484,575)
	Revised Estimate With Cost Savings (see attached for breakdowns)	\$ 17,099,743

City of Pompano Beach Public Library and Cultural Arts Center
Adjustments to Meet Project Budget

5/9/2014

	Description	Savings
	Selected Value Engineering with Mark Ups (see Value Engineering Summary)	\$ (1,489,656)
	Tax Savings on \$17,100,000 (3%) (Allowance)	\$ (513,000)
Alt #1	Delete from scope of work the cast in place planter walls at Civic Plaza and instead provide earth berms at 45 degrees to maintain existing slopes as shown on drawings.	\$ (181,000)
Alt #2	Provide alternative metal roofing complying with Florida Product Approval and wind pressures at Contractor's option.	N/A
Alt #3	Delete from scope of work all articulated exterior stucco ceilings at underbelly of Cultural Center Lobby and Library and replace with flat stucco ceilings. Delete articulated stucco, framing, and metal lath for columns at underbellies and replace with straight metal framing, lath, and stucco 30" square completely vertical. As part of this deductive alternate, also replace articulated ceilings at interior of Library waiting area with flat drywall ceilings.	\$ (155,290)
Alt #4	Delete from the scope of work all articulated drywall floating ceilings at Library Reading Room (second floor) and Cultural Center Lobby (second floor). Replace with a floating drywall ceiling simply sloped to follow structure above, hanging 3'-0" below structure.	\$ (28,945)
Alt #5	Delete epoxy flooring throughout project and replace with sealed concrete.	\$ (43,420)
Alt #6	Delete epoxy terrazzo flooring throughout project and replace with polished concrete architectural finish grade.	\$ (59,780)
Alt #7	Provide for alternate manufacturers for fold down audience seating in Cultural Center Multi-Purpose Room. Submit manufacturer data from alternate manufacturers and models for approval by A/E.	in base bid
Alt #8	Delete flat floor mounted movable seating at Cultural Center Multi-Purpose Room from scope of work. Do NOT include as part of this deductive alternate the remaining fold down audience seating, which shall remain in scope.	\$ (13,484)
	Subtotal Cost Reduction Savings	\$ (2,484,575)

City of Pompano Beach Public Library and Cultural Arts Center

100% CD GMP

VALUE ENGINEERING SUMMARY

Date of Estimate: May 09, 2014

Basis for Estimate: 100% CDs Plans Dated 2/27/2014

	Description	Savings
Div 2		
1	Replace Concrete Pavers with Concrete Sidewalks	not accepted
1a	Replace Concrete Pavers with a Local Supplier in lieu of Specified	included in pricing
2	Eliminate Estate Fencing	included in pricing
3	Use prefabricated bench seats in lieu of Sand Blast Finish Cast-In-Place Concrete Benches (\$100.00/LF Design-To Allowance)	included in pricing
4	Delete Retaining Walls and Slope Sides of Retention Areas	SEE ALTERNATE #1
5	Landscape design to allowance: Alternate palms in lieu of Medjool, reduce height of trees to by 2-4', reduce groundcover/shrub quantity	\$ (90,000)
6	Irrigation VE target	\$ (15,000)
7	Delete concrete benches	\$ (22,000)
Div 3		
8	Use Framing, lath and plaster in lieu of Precast Concrete Wall Panels	included in pricing
Div 5 and 8 Curtain Wall		
9	Simplify Curtain Wall Support Framing	included in pricing
10	Simplify Curtain Wall for Marks W26, W27 and W32	included in pricing
Div 7		
11	Use SV-Crimp Roof in lieu of Standing seam (No 20 yr. NDL)	SEE ALTERNATE #2
Div 8		
12	Remove Metal Wall Panels at Curtain Wall Returns	included in pricing
13	Remove 5" Projections from Curtain Wall Mullions and use Standard 5/16"	included in pricing
Div 9		
14	Simplify Drywall Ceilings and reduce Elevation Variations	SEE ALTERNATE #4
15	Simplify Stucco design at columns and exterior ceilings	SEE ALTERNATE #3
16	Delete Epoxy Flooring and use a concrete sealer	SEE ALTERNATE #5
17	VE Carpet tiles	\$ (10,000)
18	VE wood flooring at multipurpose- use Duracushion II, 3rd grade maple	\$ (10,805)
19	Delete terrazzo at stairs and use alternate stair design w/open risers	\$ (47,000)
Div 11		
20	"Design to Allowance" for Performance Systems	\$ (402,080)
21	Kitchen Equipment - Defer to Future Date	\$ (125,500)
Div 12		
22	Jezet Galant Chairs with Wooden Rear Panel	n/a
22a	Irwin Telescoping Marquee Chair	included in pricing

VALUE ENGINEERING SUMMARY

Date of Estimate: May 09, 2014

Basis for Estimate: 100% CDs Plans Dated 2/27/2014

Description		Savings	
Div 14			
23	Use Mowrey Elevator in Lieu of Schindler		\$ (160,475)
Div 15 MECHANICAL			
24	Standard sump pump in lieu of Park sump pump specified		\$ (10,000)
25	Change copper water piping to schedule 40 and 80 CPVC		\$ (6,000)
26	Air cooled Chillers in lieu of CW		\$ (100,000)
27	Grooved pipe in lieu of welded		not priced
28	Butterfly valves in lieu of gate valves		included in pricing
29	Lay-in grilles in lieu of Linear Diffusers		not priced
30	Delete 10 VAV's		full design included
31	PVC Condenser Water pipe in lieu of Steel		not priced
32	304 S/S Cooling towers in lieu of 316 S/S		not priced
Div 16 Electrical			
33	Delete the Lightning Protection system		\$ (19,900)
34	Lighting Package Alternate keeping the LED fixtures		\$ (27,200)
35	Additional deduct Removing the LED fixtures		\$ (12,000)
36	Aluminum Feeders Note: The aluminum VE is minimal due to the fact that FPL is providing the secondary wiring to the CT cabinets and change bus from copper to aluminum		\$ (5,790)
37	Remove the requirement for a fire alarm true site station		\$ (13,200)
38	Change to series breakers		\$ (4,200)
39	Change breakers 400 amp and above to Therna-Mag trip type		\$ (1,790)
General Scope Reductions			
40	Reduce Overall Height of the building by 5'-0"		included in pricing
41	Delete BIM		\$ (80,000)
42	Remove Bond Requirement		\$ (193,904)
43			
44			
45			
Sub-Total			\$ (1,356,844)
		Contingency 2.50%	\$ (33,921)
		Insurance 1.00%	\$ (13,908)
		Fee 5.00%	\$ (70,234)
		Bond 1.00%	\$ (14,749)
Total			\$ (1,489,656)

Date of Estimate: May 09, 2014
Basis for Estimate: 100% CDs Plans Dated 2/27/2014

City of Pompano Beach Public Library and Cultural Arts Center
100% CD GMP

ALTERNATES

BID DEDUCTIVE ALTERNATES

Deductive Alternate No. 1: Delete from scope of work the cast in place planter walls at Civic Plaza and instead provide earth berms at 45 degrees to maintain existing slopes as shown on drawings.	\$	(181,000.00)
Deductive Alternate No. 2: Provide alternative metal roofing complying with Florida Product Approval and wind pressures at Contractor's option.		N/A
Deductive Alternate No. 3: Delete from scope of work all articulated exterior stucco ceilings at underbelly of Cultural Center Lobby and Library and replace with flat stucco ceilings. Delete articulated stucco, framing, and metal lath for columns at underbellies and replace with straight metal framing, lath, and stucco 30" square completely vertical. As part of this deductive alternate, also replace articulated ceilings at interior of Library waiting area with flat drywall ceilings.	\$	(155,290.00)
Deductive Alternate No. 4: Delete from the scope of work all articulated drywall floating ceilings at Library Reading Room (second floor) and Cultural Center Lobby (second floor). Replace with a floating drywall ceiling simply sloped to follow structure above, hanging 3'-0" below structure.	\$	(28,945.00)
Deductive Alternate No. 5: Delete epoxy flooring throughout project and replace with sealed concrete.	\$	(43,420.00)
Deductive Alternate No. 6: Delete epoxy terrazzo flooring throughout project and replace with polished concrete architectural finish grade.	\$	(59,780.00)
Deductive Alternate No. 7: Provide for alternate manufacturers for fold down audience seating in Cultural Center Multi-Purpose Room. Submit manufacturer data from alternate manufacturers and models for approval by A/E.		in base bid
Deductive Alternate No. 8: Delete flat floor mounted movable seating at Cultural Center Multi-Purpose Room from scope of work. Do NOT include as part of this deductive alternate the remaining fold down audience seating, which shall remain in scope.	\$	(13,484.00)
TOTAL	\$	(481,919.00)

BID ADDITIVE ALTERNATE

Additive Alternate No. 1: Provide metal picket fencing and gates in lieu of chain link fencing shown on drawings at Service area.	\$	37,680.00
Additive Alternate No. 2: Provide for articulated drywall ceilings and columns at interior of Library as per sketch attached to this section as EXHIBIT A.	\$	86,219.00
TOTAL	\$	123,899.00

SUPPLEMENTAL ALTERNATES

Add 78 Marquee chairs on moveable bases as shown in TC drawings for thrust stage arrangement	\$	33,327.00
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