# BUILDING ENTERPRISE FUND ADVISORY COMMITTEE

March 23, 2022

# INTRODUCTIONS

# **PUBLIC COMMENT**

# REVIEW AND APPROVAL OF MEETING MINUTES

**DECEMBER 6, 2021** 

# FINANCIAL UPDATE

### LED Lighting Upgrade - \$2,080,968

Benefits of upgrading to LED Lighting fixtures

- Brand new fixtures with a one year correction period including commissioning/light level confirmation by the contractor which in turn would be verified by our design team/RPM D&C
- Fixture capable lighting level reduction or fixture shutdown based on occupancy.
- Fixture and power usage measurement and reporting when combine with lighting panel upgrade.
- Unverifiable yet it is estimated an annual energy cost savings of \$22,004 for the 1st floor (Building & Fire Prevention) at 9¢ per Kwh.
- Supports County mandate to reduce power consumption by 20% by 2023.
- Reduce maintenance cost since all the old fixtures would be replaced with LED which can last from six to twelve years which could also include an extended warranty from the fixture manufacturer above the one year correction period.
- Reduced heat emissions from LED reducing HVAC operating cost, though not verifiable

### **Commission District "A"**

### Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate
Project Name: Russell Campus, Building & Fire Prevention - Lighting Control System & LED Fixture Replacement

WRL 2773.2 / Project Number: RP.A0321107
Date of Initial Estimate: 01/21/2021

Date of Latest Po		Initial Estimate: 01/ 1/2022 (add funding		r I ED roni	lacomont)				
Date of Latest Re	/ISIOII. U3/3	11/2022 (add fulldling	15t Floo	i LED lepi	iacement)				
Project cost estimates that are older	than six (6) mor	nths from the date of the late	st revision s	hown, are inva	lid and must be	updated.			
		ASSUMPTIONS							
Project property is in the ownership of the County; however the proyariance(s). Unless otherwise noted, project does not require off-site design and. Unless otherwise noted, all utilities (water, sewer, electricity, telephed. The project site is fully developable within County standard conditions. The site does not contain hazardous materials, non-structural soils, The Project does not include any complex, sensitive and/or unusual.	/or construction. one, gas and cable) as and cost. The sit caliche or other so	are located within 100 feet of the less is not located within a flood area if and/or geotechnical constraints.	project site; the which requires	refore, no pioneer additional design	ring costs are requ and construction e	ired or estimated.	aiver(s) and	OCMI 60% CD	
PROJECT ELEMENT			SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST	REVISED COST	DELTA
I. Projected Construction Costs: A. Building and/or Site Develop	nent			QUANTITY	UNITCOST		ESTIMATE		
Building Construction: Remove and replace existing Lithonia Syr Includes removal and replacement of lighting relay control panels #1-7 network gateway, enclosures, control stations and power modules inclu- commissioning. Remove and replace all light switches and occupancy with new control panels. Reference OCMI rough order of magnitude et	with new upgraded ding new control so sensors throughou	panels, network master panel, oftware, installation, testing and it the facility for upgraded controls	1	l.s.	\$474,738	l.s.	\$474,738	\$347,290	\$174,922
2. Add funding for LED lighting replacement at entire 1st floor. Refe	erence OCMI 60% (	CD Estimate	1	l.s.	\$0	l.s.	\$0	\$1,359,943	(\$1,359,943)
3. Off-site Construction: Off-site Construction with Signalization			0	lin. ft.	\$0	per lin. ft.	\$0	\$0	\$0
Other: Night shift work premium.			10%	%	\$474,738	l.s.	\$47,474	\$0	\$47,474
I. Projected Construction Costs: B. Specialty and/or Unique Pro	jects Requirement	ts:							
Pioneer/extend Utilities to project site boundaries:		C. Sewer Ser	vice Pioneering	j:		\$0			
A. Electric Service Pioneering:		\$0 <b>D.</b> Gas Service				\$0	\$0	\$0	\$0
B. Water Service Pioneering:				ervice Pioneering:		\$0			
<ol> <li>Computer / Telephone / Alarm System and/or CCTV Cabling; Te parcels and buildings (\$15,000 small facility; \$30,000 medium</li> </ol>			g to the site an	d interior to			\$0	\$0	\$0
3. Accessibility Path of Travel upgrades for alterations							\$0	\$0	\$0
4. Other ( Specify)							\$0	\$0	\$0
				Est	timated Project Co	onstruction Cost	\$522,212	\$1,707,233	(\$1,185,021)
I. Projected Construction Costs: C. Estimated Out of Urban Area	Construction Co	st Differential				0.0000%	\$0	\$0	\$0
			ADJUS	TED PROJECT (	CONSTRUCTION	COST ESTIMATE	\$522,212	\$1,707,233	
II. Professional Service Fees									
A. Professional Service Fees (A/E Contract): Planning / Design Assistance / Basic Services of Contract Administration / Work P					ng	12.0000%	\$62,665		
B. Reports / Studies / Owner Expense / Deliverables (A/E Cont	ract):	Other:	\$0	Cost Estimator	(3rd Party)	\$3,500			
Reimbursement of Consultant Paid Owner Expenses	\$1,075	Traffic Study	\$0	Certified Sched	uler	\$3,500			(004 805)
Topographic / Boundary Survey	\$0	Drainage Study	\$0	CD Bid Plan Se	ts	\$50	\$22,392	\$132,312	(\$31,589)
Engineering Report (Civil, Structural, MPE)	\$7,500	Geotechnical Report	\$0	Construction Pla	an Sets	\$500		I	
Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Utility Engineering	\$0	Design Conting	ency (10%)	\$6,267			
C. Project Management / Construction Management / Construction	ction Inspection /	Pre-planning Costs / Extended 0	CA			3.0000%	\$15,666		
			Е	stimated Profess	sional Service Fee	es (A/E Contract)	\$100,723	\$132,312	(\$31,589)

Page 2 of 2 LED Lighting Upgrade

D. Reports / Studies / 3rd Party Consultants (Owner Items):		Constructability Rev requirement for >\$1		\$0	System Furnitur	e Design:	\$0			
ACM Testing & Report	\$0	Commissioning		\$500	Other: +\$39k own	ner allowance	\$0	\$5,500	\$39,000	(\$33,500)
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Esti	mating	\$5,000			
				Es	stimated Profess	sional Service Fee	s (Owner Items)	\$5,500	\$39,000	(\$33,500)
					Total Est	imated Professio	nal Service Fees	\$106,223	\$171,312	(\$65,089)
II. Professional Service Fees: Estimated Out of Urban Area Cos	t Differential						0.0000%	\$0	\$0	\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$106,223	\$171,312	(\$65,089)
III. Project Construction Contingency (To be used for unforeseen	conditions; Does	not increase Sco	pe of Work)				10.0000%	\$52,221	\$170,723	(\$118,502)
IV. Permits & Fees (Contractor)								\$1,700	\$1,700	\$0
V. Real property Management Fee:			C. \$350,001-	\$1,000,000 Esti	mated project co	st:	\$30,000 Fee			
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	D. \$1,000,00	1-\$3,000,000 Es	stimated project of	cost:	\$100,000 Fee	\$30,000	\$30,000	\$0
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,00	00,000 Estimate	d project cost:		\$150,000 Fee			
VI. Utility Application and Connection Fees: (Water, Sewer, Nevac	da Power meter and	inspection)								
A. Water Application & Connection Fees		\$0	C. Power Ap	oplication & Con	nection Fees		\$0	\$0	\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0			
VII. Building Fixtures and Hardware										
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0	\$0	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0	\$0	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$75,00	0 - up to 96 users );	(48-port \$10,000	; 24-port \$5,800	)				\$0	\$0	\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0	\$0	\$0
E. Server (If required - \$31,500)								\$0	\$0	\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0	\$0	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0	\$0	\$0
H. General & Specialized Relocation: Packing and Moving (Regular to	time \$54.00/hr)			0	Man Hours	\$54	per hour	\$0	\$0	\$0
I. Other (Specify)				0	unit (specify)	<b>\$</b> 0	per(specify)	\$0	\$0	\$0
					SUBTOTAL BU	IILDING FIXTURE	S & HARDWARE	\$0	\$0	\$0
	2	021 / 2022 SUBT	OTAL OF EST	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$712,356	\$2,080,968	(\$1,368,612)
VIII. FF & E (Free-Standing Furniture & Computers)										
A. Facility: (Free-Standing Furnishings and Computer Equipment)				0	s.f.	\$20	per s.f.	<b>\$</b> 0	<b>\$</b> 0	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0	\$0	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0	\$0	\$0
D. Other (specify)				0	unit	\$0	unit	\$0	\$0	\$0
IX. Outreach: Departmental Project Notification and Publicity Req	uirements; Ground	Breaking and P	roject Dedicati	on				\$0	\$0	\$0
	2021 / 2022 SUB	TOTAL OF ESTI	MATED FREE-	STANDING FU	RNITURE, COMF	PUTERS AND OUT	TREACH COSTS	\$0	\$0	\$0
	2021 / 202	2 TOTAL ES	STIMATED	PROJECT	COSTS FO	R BUDGET	PURPOSES	\$712,356	\$2,080,968	(\$1,368,612)
2021/	2022 TOTAL I	REVISED ES	STIMATED	PROJECT	COSTS FO	R BUDGET	PURPOSES	\$2,080,968		
					ADDITIO	NAL FUNDIN	IG NEEDED	\$1,368,612		

Russell Campus Boiler Replacement - \$1,257,138

- Replacement of boilers at Russell Campus with high efficiency boilers.
- Current boilers reaching end of useful service period.

### Boiler Replacement – Cost Estimate

### Commission District "A"

Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - Boiler Replacement

WRL 2861 / Project Number: RP.A000000

Date of Initial Estimate: 02/09/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSLIMPTIONS

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.
- Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- 1. The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- . The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

	CT ELEMENT				SIZE	QUANTITY	PROJECTED UNIT COST	UNIT	COST ESTIMATE	
Pro	ected Construction Costs: A. Building and/or Site Dev	velopment		74		20 1 No. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		20		
1.)	Boiler & Heat Exchanger Replacement: Remove and reg similar sized (574,000 BTU) high efficiency boilers, (1) A similar size HX. (3) boiler pumps and associated hydroni appertunances. Includes for selective removal and repai adjustement to housekeeping pads, electrical and data n	r with new d ipment removal,	1	Ls.	\$625,000	per s.f.	\$625,000			
2.)	Land Construction: (Parking, Site Improvements, Landson	caping):			0	acres	\$500,000	acres	\$0	
3.)	Off-site Construction: Off-site Construction with Signalization	Construction: Off-site Construction with Signalization 0				lin. ft.	\$0	per lin. ft.	\$0	
4.)	Other: Contractors margins & adjustments (use 30-35% if not included in construction line items above) 30% % \$625,000					l.s.	\$187,500			
Pro	ected Construction Costs: B. Specialty and/or Uniqu	e Projects Requi	rements:							
.)	Pioneer/extend Utilities to project site boundaries:			C. Sewer Servi	ce Pioneerin	ng:		\$0		
	A. Electric Service Pioneering: \$0 D. Gas Service Pioneering:					\$0	\$0			
	B. Water Service Pioneering:		\$0	E. Telephone/C	. Telephone/Cable/Fiber Service Pioneering: \$0					
2.)	Computer / Telephone / Alarm System and/or CCTV Cabli parcels and buildings (\$15,000 small facility; \$30,000 me				Cabling to t	he site and interior	to		\$0	
3.)	accessibility Path of Travel upgrades for alterations								\$0	
4.)	Other ( Specify): BMS integration and programming.								\$20,000	
						Est	mated Project Co	onstruction Cost	\$832,500	
Pro	ected Construction Costs: C. Estimated Out of Urban	n Area Construct	ion Cost Differe	ntial				0.0000%	\$0	
					ADJUS	TED PROJECT C	ONSTRUCTION C	OST ESTIMATE	\$832,500	
	essional Service Fees									
Pro	000101101 001 7100 1 000									
A.	Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administr			tion Documents /	Specification	ns / Bid Preparation	n /	15.0000%	\$124,875	
A.	Professional Service Fees (A/E Contract): Planning / D	ation / Work Prod		ction Documents / \$	Specification \$0	ns / Bid Preparation	2001 h	15.0000% \$4,500	\$124,875	
A. B.	Professional Service Fees (A/E Contract): Planning / Disidding Assistance / Basic Services of Contract Administr	ation / Work Prod	uct	tion Documents / \$			(3rd Party)		3.000	
A. B.	Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administrate / Studies / Owner Expense / Deliverables (A/E	ation / Work Prod	Other:		\$0	Cost Estimator	(3rd Party)	\$4,500	\$124,875 \$36,038	
A. B.	Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administrate of Contract Administrate of Poliverables (A/E Reports / Studies / Owner Expense / Deliverables (A/E Reimbursement of Consultant Paid Owner Expenses	ation / Work Prod Contract): \$4,500	Other: Traffic Study	у	\$0 \$0	Cost Estimator Certified Sched	(3rd Party) uler	\$4,500 \$4,500	3.000	
A. B.	Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administrate of Contract Administrate / Deliverables (A/E teimbursement of Consultant Paid Owner Expenses Copographic / Boundary Survey	Station / Work Prod Contract): \$4,500 \$0	Other: Traffic Study Drainage Stud Geotechnical F	у	\$0 \$0 \$0	Cost Estimator Certified Sched	(3rd Party) uler ts an Sets	\$4,500 \$4,500 \$50	3.000	
A. B.	Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administrate of Contract Administrate of Contract Administrate of Consultant Paid Owner Expenses of Congraphic / Boundary Survey Ingineering Report (Civil, Structural, MPE)	\$4,500 \$0 \$9,500 \$0	Other:  Traffic Study  Drainage Stud  Geotechnical F  Subsurface Uti	y Report lility Engineering	\$0 \$0 \$0 \$0 \$0 \$0	Cost Estimator Certified Sched CD Bid Plan Se Construction Pl	(3rd Party) uler ts an Sets	\$4,500 \$4,500 \$50 \$500	\$124,875 \$36,038 \$24,975	

D. Reports / Studies / 3rd Party Consultants (Owner Items	s):	Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$0	****	
ACM Testing & Report	\$2,500	Commissioning		\$25,000	Other (In House	Design)	\$0	\$40,500	
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	nce Agency	\$9,500	Scheduling/Esti	mating	\$3,500		
				Es	stimated Profess	ional Service Fee	s (Owner Items)	\$40,500	
					Total Est	mated Profession	nal Service Fees	\$226,388	
II. Professional Service Fees: Estimated Out of Urban Area	Cost Differentia	ı					0.0000%	\$0	
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$226,388	
III. Project Construction Contingency (To be used for unfore	seen conditions	; Does not increa	se Scope of V	(ork)			10.0000%	\$83,250	
IV. Permits & Fees (Contractor)								\$15,000	
V. Real property Management Fee:			C. \$350,001	\$1,000,000 Es	timated project co	ost:	\$30,000 Fee		
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	\$2,500 Fee D. \$1,000,001-\$3,000,000 Estimated project cost: \$100,000						
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimat	ted project cost:		\$150,000 Fee		
VI. Utility Application and Connection Fees: (Water, Sewer, N	levada Power me	eter and inspection							
A. Water Application & Connection Fees		\$0	C. Power A	oplication & Co	nnection Fees		\$0	\$0	
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0		
VII. Building Fixtures and Hardware									
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0	
B. Telephone System Equipment:				0	units	\$325	per unit	\$0	
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$7	5,000 - up to 96	users ); (48-port \$	\$10,000; 24-por	t \$5,800)	•			\$0	
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0	
E. Server (If required - \$31,500)								\$0	
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0	
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0	
H. General & Specialized Relocation: Packing and Moving (Reg	ular time \$54.00/	/hr)		0	Man Hours	\$54	per hour	\$0	
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0	
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0	
	2	021 / 2022 SUBTO	OTAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$1,257,138	
VIII. FF & E (Free-Standing Furniture & Computers)								7.00	
A. Facility: (Free-Standing Furnishings and Computer Equipme	nt)			0	s.f.	\$20	per s.f.	\$0	
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0	
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0	
D. Other (specify)				0	unit	\$0	unit	\$0	
IX. Outreach: Departmental Project Notification and Publicity	Requirements;	Ground Breaking	and Project D	edication				\$0	
	2021 / 2022 SUB	TOTAL OF ESTIN	MATED FREE-S	TANDING FU	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0	
	2021 / 20	22 TOTAL E	STIMATED	PROJEC	T COSTS FO	R BUDGET	PURPOSES	\$1,257,138	
<u> </u>									

Russell Campus Chiller 3 Replacement - \$858,314

- Replacement of 3<sup>rd</sup> chiller at Russell Campus with high efficiency chiller to be compatible with the other two chillers currently in design for their replacement.
- Current chillers are reaching end of useful service period. There currently a project funded for chiller replacement which did not include the 3<sup>rd</sup> chiller.

### Chiller 3 Replacement – Cost Estimate

### Commission District "A" Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - #3 Chiller Replacement

WRL 2914 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022

Date of Initial Estimate: 02/10/2022

Date of Latest Revision: 00/00/0000

### Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

AREA or PROJECTED

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.
- 3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- 1. The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

'ROJ	ECT ELEMENT				SIZE	QUANTITY	UNIT COST	UNIT	ESTIMATE	
Pro	jected Construction Costs: A. Building and/or Site De	velopment								
1.)	General Requirements: Site supervision, temporary fendetc.	cing, clean up, prote	ct in place existing	g equipment	5%	%	\$430,515	l.s.	\$21,526	
2.)	Chiller Demo & Replacement: Remove and replace (1) & #2, provide temporary cooling and emergency hydron cooled chiller and associated appurtenances (pump excinstallation of (1) new 165-ton water cooled chiller (Varia hydronic piping and appurtenances, installation of emery temporary cooling and power and associated power up commissioning and training. Includes escalation considered	ic piping. Includes of luded; being replace ble Speed Drive; YN gency hydronic pipin grades for new equip	lemolition of (1) ex ed under existing p (C2-S0580AA), ar g and appurtenan ement. Test and b	kisting water project), and associated aces,	1	Ls.	\$430,515	l.s.	\$430,515	
3.)	Off-site Construction: Off-site Construction with Signalization	ation			0	lin. ft.	\$0	per lin. ft.	\$0	
4.)	Other: Contractors margins & adjustments (use 30-35% if no	ot included in construc	tion line items above	ve)	35%	%	\$430,515	l.s.	\$150,680	
. Pr	ojected Construction Costs: B. Specialty and/or Uniqu	ue Projects Require	ements:							
1.)	Pioneer/extend Utilities to project site boundaries:			C. Sewer Sen	vice Pioneering	g:		\$0		
	A. Electric Service Pioneering:		\$0	D. Gas Servic	vice Pioneering: \$0				\$0	
	B. Water Service Pioneering:		**			ervice Pioneering	\$0			
2.)	Computer / Telephone / Alarm System and/or CCTV Cab parcels and buildings (\$15,000 small facility; \$30,000 me			mountboards:	(Cabling to the	e site and interior	to		\$0	
3.)	Accessibility Path of Travel upgrades for alterations								\$0	
4.)	Other ( Specify) BMS automation system control integration	on.							\$15,000	
						Esti	mated Project Co	onstruction Cost	\$617,721	
. Pr	ojected Construction Costs: C. Estimated Out of Urba	n Area Construction	n Cost Differenti	al				0.0000%	\$0	
					ADJUST	ED PROJECT C	ONSTRUCTION C	COST ESTIMATE	\$617,721	
. Pr	ofessional Service Fees									
A.	Professional Service Fees (A/E Contract): Planning / Discourse / Bidding Assistance / Basic Services of Contract Administr			n Documents /	Specifications	/ Bid Preparation	1	12.0000%	\$74,127	
В.	Reports / Studies / Owner Expense / Deliverables (A/E	Contract):	Other:		\$0	Cost Estimator	(3rd Party)	\$4,500		
	Reimbursement of Consultant Paid Owner Expenses	\$3,500	Traffic Study		\$0	Certified Sched	uler	\$4,500	007.000	
	Topographic / Boundary Survey	\$0	Drainage Study		\$0	CD Bid Plan Se	ts	\$50	\$27,963	
	Engineering Report (Civil, Structural, MPE)	\$7,500	Geotechnical Re	port	\$0	Construction Pl	an Sets	\$500		
	Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Utilit	y Engineering	\$0	Design Conting	ency (10%)	\$7,413		
C.	Project Management / Construction Management / Co	nstruction Inspect	ion / Pre-plannin	g Costs / Exter	nded CA			3.0000%	\$18,532	
					Es	timated Profess	ional Service Fee	es (A/E Contract)	\$120,621	
	<u> </u>									

D. Reports / Studies / 3rd Party Consultants (Owner Items	s):	Constructability Revi requirement for >\$10		\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report	\$1,200	Commissioning		\$15,000	Other (In House	e Design)	\$0	\$28,200
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$8,500	Scheduling/Est	imating	\$3,500	
				Es	stimated Profess	ional Service Fee	s (Owner Items)	\$28,200
					Total Est	imated Profession	nal Service Fees	\$148,821
II. Professional Service Fees: Estimated Out of Urban Area	Cost Differential						0.0000%	\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$148,821
III. Project Construction Contingency (To be used for unforce	eseen conditions;	Does not increa	se Scope of W	ork)			10.0000%	\$61,772
IV. Permits & Fees (Contractor)								\$0
V. Real property Management Fee:			C. \$350,001-	\$1,000,000 Es	timated project co	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	1-\$3,000,000 E	Estimated project	cost:	\$100,000 Fee	\$30,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimat	ed project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer, N	Nevada Power met	ter and inspection)						
A. Water Application & Connection Fees		\$0	C. Power A	plication & Co	nnection Fees		<b>\$</b> 0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VII. Building Fixtures and Hardware			<u> </u>					
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users;\$	75,000 - up to 96 u	isers); (48-port\$	10,000; 24-port	\$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (Re	gular time \$54.00/h	nr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0
	20	021 / 2022 SUBTO	OTAL OF ESTI	MATED DESIG	N & CONSTRUC	CTION COSTS MA	NAGED BY RPM	\$858,314
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipme	ent)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
IX. Outreach: Departmental Project Notification and Publicity	y Requirements; C	Ground Breaking	and Project D	edication				\$0
	2021 / 2022 SUBT	TOTAL OF ESTIM	ATED FREE-S	TANDING FUR	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0
	2021 / 202	22 TOTAL ES	STIMATED	PROJECT	COSTS FO	R BUDGET	PURPOSES	\$858,314

```
Covered Parking (non-solar), Phase I - $1,311,310
Phase II - 2,079,012
Phase III - 1,606,722
Total: $4,997,044
```

- Install shade structures to provide covered parking within the secured employee parking area.
- This is similar to a previous request, however, the solar panel component was deleted from the scope. The solar panel version costs were
  - Phase I \$3,085,489
  - Phase II \$4,879,548
  - Phase III \$3,736,722
     Total \$11,701,759
- Cover parking help to reduce heat island impacts and light pollution, all in alignment with the County's sustainability initiative.

### Covered Parking Phase 1

Commission District "A"
Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - Covered Parking Phase 1

WRL 2913-A / Project Number: RP.A000000 Date of Initial Estimate: 02/09/2022 Date of Latest Revision: 00/00/000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ACCUMPTIONS

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- Unless otherwise noted, project does not require off-site design and/or construction.
- 3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- . The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

ROJ	ECT ELEMENT				SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST ESTIMATE
Pro	jected Construction Costs: A. Building and/or Site Dev	elopment							
1.)	Covered Parking Phase I (~30,200sf): Furnish and insta for reflectivity over employee parking spaces. Includes or lighting, relocation of CCTV cameras and light poles in o OCMI rough order estimate dated 1/19/2021 with PV sco	oncrete footings, onflict with new o	repair work to asp	phalt, LED	30200	s.f.	\$23	per s.f.	\$694,600
2.)	Land Construction: (Parking, Site Improvements, Landson	aping):			0	acres	\$500,000	acres	\$0
3.)	Off-site Construction: Off-site Construction with Signalization	tion			0	lin. ft.	\$0	per lin. ft.	\$0
4.)	Other: Contractors margins & adjustments (use 30-35% if no	t included in cons	truction line items a	above)	35%	%	\$694,600	l.s.	\$243,110
. Pro	pjected Construction Costs: B. Specialty and/or Uniqu	e Projects Requ	uirements:						
1.)	Pioneer/extend Utilities to project site boundaries:			C. Sewer Serv	rice Pioneerin	ig:		\$0	
	A. Electric Service Pioneering:		\$0	D. Gas Servic	e Pioneering:			\$0	\$0
	B. Water Service Pioneering:		\$0	E. Telephone/	Cable/Fiber S	Service Pioneering	g:	\$0	
2.)	Computer / Telephone / Alarm System and/or CCTV Cabli parcels and buildings (\$15,000 small facility; \$30,000 me				: (Cabling to	the site and interi	or to		\$0
3.)	Accessibility Path of Travel upgrades for alterations								\$0
4.)	Other ( Specify)								\$0
						Esti	mated Project Co	nstruction Cost	\$937,710
. Pro	ojected Construction Costs: C. Estimated Out of Urbar	Area Construc	tion Cost Differe	ntial				0.0000%	\$0
					ADJUS'	TED PROJECT C	ONSTRUCTION C	OST ESTIMATE	\$937,710
. Pro	ofessional Service Fees								
	Professional Service Fees (A/E Contract): Planning / D Bidding Assistance / Basic Services of Contract Administra			ction Documents	/ Specificatio	ns / Bid Preparation	on /	10.0000%	\$93,771
В.	Reports / Studies / Owner Expense / Deliverables (A/E	Contract):	Other:		\$0	Cost Estimator	(3rd Party)	\$3,500	
	Reimbursement of Consultant Paid Owner Expenses	\$4,500	Traffic Study		\$0	Certified Sched	luler	\$2,500	
	Topographic / Boundary Survey	\$0	Drainage Study	y	\$0	CD Bid Plan Se	ets	\$50	\$39,427
	Engineering Report (Civil, Structural, MPE)	\$6,500	Geotechnical F	Report	\$5,000	Construction Pl	an Sets	\$500	
	Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Uti	ility Engineering	\$7,500	Design Conting	ency (10%)	\$9,377	
C.	Project Management / Construction Management / Co	nstruction Insp	ection / Pre-plann	ning Costs / Exte	ended CA			3.0000%	\$28,131
					Es	timated Profess	ional Service Fee	s (A/E Contract)	\$161.329

D. Reports / Studies / 3rd Party Consultants (Owner	Items):	Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$0		
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$15,000	
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$10,000	Scheduling/Est	imating	\$5,000		
				Es	timated Profess	ional Service Fee	es (Owner Items)	\$15,000	
					Total Esti	mated Professio	nal Service Fees	\$176,329	
I. Professional Service Fees: Estimated Out of Urban	Area Cost Different	ial					0.0000%	\$0	
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$176,329	
I. Project Construction Contingency (To be used for u	nforeseen condition	ns; Does not increa	se Scope of	Work)			10.0000%	\$93,771	
/. Permits & Fees (Contractor)								\$3,500	
. Real property Management Fee:			C. \$350,001	-\$1,000,000 Es	timated project c	ost:	\$30,000 Fee		
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	.500 Fee D. \$1,000,001-\$3,000,000 Estimated project cost:					\$100,000	
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estima	\$150,000 Fee				
I. Utility Application and Connection Fees: (Water, Se	wer, Nevada Power n	neter and inspectior							
A. Water Application & Connection Fees		\$0	\$0 C. Power Application & Connection Fees \$0						
B. Sewer Application & Connection Fees		\$0	D. Other:		\$0				
I. Building Fixtures and Hardware									
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0	
B. Telephone System Equipment:		0 units \$325 per unit						\$0	
C. Router with Switch and racks: (\$20,000 - up to 24 us	ers; \$75,000 - up to 9	6 users ); (48-port	\$10,000; 24-pc	ort \$5,800)				\$0	
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0	
Server (If required - \$31,500)								\$0	
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0	
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0	
H. General & Specialized Relocation: Packing and Movin	g (Regular time \$54.0	00/hr)		0	Man Hours	\$54	per hour	\$0	
. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0	
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0	
		2021 / 2022 SUBTO	TAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$1,311,310	
III. FF & E (Free-Standing Furniture & Computers)									
A. Facility: (Free-Standing Furnishings and Computer Eq	uipment)			0	s.f.	\$20	per s.f.	\$0	
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0	
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0	
D. Other (specify)				0	unit	\$0	unit	\$0	
C. Outreach: Departmental Project Notification and Pu	blicity Requirements	s; Ground Breaking	and Project	Dedication				\$0	
	2021 / 2022 SU	BTOTAL OF ESTIM	ATED FREE-	STANDING FU	RNITURE, COMP	UTERS AND OUT	TREACH COSTS	\$0	
	2021 / 2	022 TOTAL ES	STIMATED	PROJEC <sup>*</sup>	COSTS FO	R BUDGET	PURPOSES	\$1,311,3	

### Covered Parking Phase 2

Commission District "A"

Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - Covered Parking Phase 2

WRL 2913-B / Project Number: RP.A000000

Date of Initial Estimate: 02/09/2022

Date of Latest Revision: 00/00/000

SIZE AREA or PROJECTED UNIT COST

### Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- Unless otherwise noted, project does not require off-site design and/or construction.

PROJECT ELEMENT

- 2. Unless otherwise noted, project onces not require ori-site design and/or construction.

  3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

Proj	ECT ELEMENT				SIZE	QUANTITY	UNIT COST	UNIT	ESTIMATE
	ected Construction Costs: A. Building and/or Site De	velopment							
1.)	Covered Parking Phase I (~49,137sf): Furnish and inst for reflectivity over employee parking spaces. Includes lighting, relocation of CCTV cameras and light poles in OCMI rough order estimate dated 1/19/2021 with PV sc	concrete footings conflict with new	, repair work to aspha carport structures. Re	It, LED eference	49137	s.f.	\$24.96	per s.f.	\$1,226,460
2.)	Land Construction: (Parking, Site Improvements, Lands	caping):			0	acres	\$500,000	acres	\$0
3.)	Off-site Construction: Off-site Construction with Signaliz	ation			0	lin. ft.	\$0	per lin. ft.	\$0
4.)	Other: Contractors margins & adjustments (use 30-35% if n	ot included in con	struction line items above	ve)	33%	%	\$1,226,460	I.s.	\$404,732
Pro	jected Construction Costs: B. Specialty and/or Uniq	ue Projects Req	uirements:						
1.)	Pioneer/extend Utilities to project site boundaries:		0	C. Sewer Serv	rice Pioneerin	ıg:		\$0	
	A. Electric Service Pioneering:		\$0 E	). Gas Servic	e Pioneering:	\$0	\$0		
	B. Water Service Pioneering: \$0 E. Tele					Service Pioneering	<b>j</b> :	\$0	
	Computer / Telephone / Alarm System and/or CCTV Cab parcels and buildings (\$15,000 small facility; \$30,000 m			mountboards	: (Cabling to	the site and interi	or to		\$0
3.)	Accessibility Path of Travel upgrades for alterations								\$0
4.)	Other ( Specify)								\$0
						Esti	mated Project Co	nstruction Cost	\$1,631,19
Pro	jected Construction Costs: C. Estimated Out of Urba	ın Area Constru	ction Cost Differentia	al				0.0000%	\$0
					AD IIIS	TED PROJECT C	ONSTRUCTION		
					70000		CHOIRDCHORC	OST ESTIMATE	\$1,631,19°
Pro	fessional Service Fees				AD300		ONSTRUCTION	COST ESTIMATE	\$1,631,191
A.	fessional Service Fees Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ			n Documents				5.0000%	\$1,631,19 \$81,560
Α.	Professional Service Fees (A/E Contract): Planning /	ration / Work Pro		n Documents			on /		.,,,,,,
A. B.	Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ	ration / Work Pro	oduct	n Documents	/ Specification	ns / Bid Preparation	on / (3rd Party)	5.0000%	\$81,560
A. I	Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ Reports / Studies / Owner Expense / Deliverables (A/	ration / Work Pro	Other:	n Documents	/ Specification	ns / Bid Preparation	on / (3rd Party)	5.0000%	.,,,,,,
A. B.	Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses	E Contract): \$4,500	Other: Traffic Study		/ Specification \$0 \$0	Cost Estimator Certified Sched	(3rd Party)	5.0000% \$3,500 \$2,500	\$81,560
A. I	Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey	E Contract): \$4,500	Other:  Traffic Study  Drainage Study	ort	\$0 \$0 \$0 \$0	Cost Estimator Certified Sched	(3rd Party)  uler  tals sets	5.0000% \$3,500 \$2,500 \$50	\$81,560
A. I	Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey Engineering Report (Civil, Structural, MPE)	\$4,500 \$0 \$6,500 \$0	Other:  Traffic Study  Drainage Study  Geotechnical Rep Subsurface Utility	ort Engineering	\$0 \$0 \$0 \$0 \$1,500 \$7,500	Cost Estimator Certified Sched CD Bid Plan Se Construction Plan	(3rd Party)  uler  tals sets	\$3,500 \$3,500 \$2,500 \$50 \$50	\$81,560

D. Reports / Studies / 3rd Party Consultants (Owner Item	ns):	Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$15,000
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$10,000	Scheduling/Est	imating	\$5,000	
				Es	timated Profess	ional Service Fee	s (Owner Items)	\$15,000
					Total Esti	mated Profession	nal Service Fees	\$180,201
II. Professional Service Fees: Estimated Out of Urban Are	a Cost Differer	ntial					0.0000%	\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$180,201
II. Project Construction Contingency (To be used for unfor	eseen condition	ons; Does not increa	ase Scope of \	Work)			10.0000%	\$163,119
V. Permits & Fees (Contractor)								\$4,500
V. Real property Management Fee:			C. \$350,001	-\$1,000,000 Es	timated project c	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D</b> . \$1,000,00	01-\$3,000,000 E	Estimated project	cost:	\$100,000 Fee	\$100,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimat	ted project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer,	Nevada Power	meter and inspection	1)					
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Co	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	\$0 <b>D.</b> Other: \$0					
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: ( \$20,000 - up to 24 users;	\$75,000 - up to	96 users ); (48-port	\$10,000; 24-pc	ort \$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (Re	egular time \$54	.00/hr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURES	S & HARDWARE	\$0
		2021 / 2022 SUBTO	TAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$2,079,012
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipment	ent)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
X. Outreach: Departmental Project Notification and Publicit	ty Requiremen	ts; Ground Breaking	and Project	Dedication				\$0
	2021 / 2022 St	JBTOTAL OF ESTIM	ATED FREE-S	STANDING FUE	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0
	2024 / 2	0022 TOTAL E	STIMATES	DBO IEC	COSTS FO	D PUDGET	DUDDOSES	60.070.04
	2021 / 2	2022 TOTAL ES	TIMATED	PROJEC	COSTS FC	K BUDGET	PURPUSES	\$2,079,01

### **Covered Parking Phase 3**

Commission District "A"
Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - Covered Parking Phase 3

WRL 2913-C / Project Number: RP.A000000 Date of Initial Estimate: 02/09/2022

Date of Latest Revision: 00/00/000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.
- . Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 3. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

PROJECT ELEMENT SIZE AREA OF PROJECT QUANTITY UNIT CO							UNIT	COST ESTIMATE
Projected Construction Costs: A. Building and/or Site De	velopment							
Covered Parking Phase I (~36,565sf): Furnish and inst for reflectivity over employee parking spaces. Includes of lighting, relocation of CCTV cameras and light poles in OCMI rough order estimate dated 1/19/2021 with PV sc	concrete footings, re conflict with new car	pair work to aspha port structures. R	alt, LED reference	36565	s.f.	\$25.95	per s.f.	\$948,862
2.) Land Construction: (Parking, Site Improvements, Lands	caping):			0	acres	\$500,000	acres	\$0
) Off-site Construction: Off-site Construction with Signalization					lin. ft.	\$0	per lin. ft.	\$0
4.) Other: Contractors margins & adjustments (use 30-35% if r	ove)	30%	%	\$948,862	l.s.	\$284,659		
Projected Construction Costs: B. Specialty and/or Uniq	ue Projects Require	ements:						
1.) Pioneer/extend Utilities to project site boundaries:			C. Sewer Ser	vice Pioneering	ŗ.		\$0	
A. Electric Service Pioneering:	D. Gas Service	e Pioneering:			\$0	\$0		
B. Water Service Pioneering:		\$0	E. Telephone.	/Cable/Fiber Se	ervice Pioneering	r.	\$0	
<ol> <li>Computer / Telephone / Alarm System and/or CCTV Cab parcels and buildings (\$15,000 small facility; \$30,000 m</li> </ol>			r mountboards:	(Cabling to the	site and interior	r to		\$0
3.) Accessibility Path of Travel upgrades for alterations								\$0
4.) Other ( Specify)								\$0
					Est	imated Project Co	enstruction Cost	\$1,233,520
Projected Construction Costs: C. Estimated Out of Urba	an Area Construction	on Cost Different	tial				0.0000%	\$0
				ADJUST	ED PROJECT C	ONSTRUCTION C	OST ESTIMATE	\$1,233,520
Professional Service Fees								
A. Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ			on Documents	/ Specifications	/ Bid Preparatio	n /	5.0000%	\$61,676
B. Reports / Studies / Owner Expense / Deliverables (A/	E Contract):	Other:		\$0	Cost Estimator	(3rd Party)	\$3,500	
Reimbursement of Consultant Paid Owner Expenses	\$4,500	Traffic Study		\$0	Certified Sched	uler	\$2,500	****
Topographic / Boundary Survey	\$0	Drainage Study		\$0	CD Bid Plan Se	ts	\$50	\$32,718
Engineering Report (Civil, Structural, MPE)	\$6,500	Geotechnical Re	port	\$1,500	Construction Pl	an Sets	\$500	
Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Utilit	y Engineering	\$7,500	Design Conting	ency (10%)	\$6,168	
C. Project Management / Construction Management / Co	onstruction Inspect	tion / Pre-plannir	ng Costs / Exte	ended CA			3.0000%	\$37,006
				Est	timated Profess	ional Service Fee	s (A/E Contract)	\$131,399
		T=			_			

D. Reports / Studies / 3rd Party Consultants (Owner Item	ns):	Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$0			
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$15,000		
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$10,000	Scheduling/Esti	mating	\$5,000			
				Es	timated Profess	ional Service Fee	es (Owner Items)	\$15,000		
					Total Est	mated Profession	nal Service Fees	\$146,399		
II. Professional Service Fees: Estimated Out of Urban Area	a Cost Differentia	al					0.0000%	\$0		
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$146,399		
III. Project Construction Contingency (To be used for unfor	eseen conditions	s; Does not increa	se Scope of V	Vork)			10.0000%	\$123,352		
IV. Permits & Fees (Contractor)								\$3,500		
V. Real property Management Fee:			C. \$350,001	-\$1,000,000 Es	timated project co	ost:	\$30,000 Fee			
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	01-\$3,000,000 E	stimated project	cost:	\$100,000 Fee	\$100,000		
B.         \$50,001-\$350,000 Estimated project cost:         \$15,000 Fee         E. Over \$3,000,000 Estimated project cost:							\$150,000 Fee			
VI. Utility Application and Connection Fees: (Water, Sewer, Nevada Power meter and inspection)										
A. Water Application & Connection Fees \$0 C. Power Application & Connection Fees \$0							\$0			
B. Sewer Application & Connection Fees	D. Other:				\$0					
VII. Building Fixtures and Hardware										
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0		
B. Telephone System Equipment:				0	units	\$325	per unit	\$0		
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$	75,000 - up to 96	users ); (48-port \$	10,000; 24-po	rt \$5,800)				\$0		
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0		
E. Server (If required - \$31,500)								\$0		
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0		
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0		
H. General & Specialized Relocation: Packing and Moving (Re	gular time \$54.00	/hr)		0	Man Hours	\$54	per hour	\$0		
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0		
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0		
	2	2021 / 2022 SUBTO	TAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$1,606,772		
VIII. FF & E (Free-Standing Furniture & Computers)										
A. Facility: (Free-Standing Furnishings and Computer Equipm	ent)			0	s.f.	\$20	per s.f.	\$0		
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0		
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0		
D. Other (specify)				0	unit	\$0	unit	\$0		
IX. Outreach: Departmental Project Notification and Publicit	y Requirements;	Ground Breaking	and Project [	Dedication				\$0		
	2021 / 2022 SUE	STOTAL OF ESTIM	ATED FREE-	STANDING FU	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0		
	2021 / 20	22 TOTAL E	STIMATED	PROJEC	T COSTS FO	R BUDGET	PURPOSES	\$1,606,772		

Russell Campus Secure Parking Gate Replacements - \$413,451

- Replacement of the gates and operators at 4 locations providing access to the secure parking area.
- RPM Operation note a significant number of work order to repair these gates and operators.

### Parking Lot Gate & Controller Replacement – Cost Estimate

Commission District "A"

Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus Bldg-Fire - Secured Parking Entry Gate Replacement

WRL 2917 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.
- 3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- i. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

ROJECT ELEMENT				SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST
Projected Construction Costs: A. Building and/or Site Dev	velopment							
<ol> <li>Demo: Remove (4) pair of entry/exit gates and operators be re-used with replacement system.</li> </ol>	,,,			1	l.s.	\$6,500	I.s.	\$6,500
Provide and install (4) fabricated electronic sliding entry/ controllers and integration to existing card access system freestanding gate system.			4	ea	\$55,000	ea	\$220,000	
3.) Off-site Construction: Off-site Construction with Signalization	0	lin. ft.	\$0	per lin. ft.	\$0			
4.) Other: Contractors margins & adjustments (use 30-35% if r	30%	%	\$226,500	l.s.	\$67,950			
Projected Construction Costs: B. Specialty and/or Unique Projects Requirements:								
.) Pioneer/extend Utilities to project site boundaries:		C. \$	Sewer Serv	ice Pioneering	:		\$0	
A. Electric Service Pioneering:		\$0 <b>D</b> . (	Gas Servic	e Pioneering:			\$0	\$0
B. Water Service Pioneering:		\$0 E. 1	Telephone/	Cable/Fiber Se	rvice Pioneering:		\$0	
<ol> <li>Computer / Telephone / Alarm System and/or CCTV Cabl parcels and buildings (\$15,000 small facility; \$30,000 me</li> </ol>			ntboards: (	Cabling to the	site and interior to			\$0
3.) Accessibility Path of Travel upgrades for alterations								
4.) Other ( Specify)								\$0
					Est	timated Project Co	onstruction Cost	
	n Area Constructio	on Cost Differential			Est	timated Project Co	onstruction Cost	
4.) Other ( Specify)	n Area Constructio	on Cost Differential			Est	timated Project Co		\$294,450
4.) Other ( Specify)  Projected Construction Costs: C. Estimated Out of Urban	n Area Constructio	on Cost Differential		ADJUS'		timated Project Co	0.0000%	\$294,450 \$0 \$2,500
4.) Other ( Specify)  Projected Construction Costs: C. Estimated Out of Urban	n Area Constructio	on Cost Differential		ADJUS'			0.0000%	\$294,450 \$0 \$2,500
4.) Other ( Specify)  Projected Construction Costs: C. Estimated Out of Urbai  Permits & Fees (Contractor)	Design / Sub Consul	Itants / Construction Doc	cuments / S		TED PROJECT C	CONSTRUCTION C	0.0000%	\$294,450 \$0 \$2,500
4.) Other (Specify)  Projected Construction Costs: C. Estimated Out of Urbai  Permits & Fees (Contractor)  Professional Service Fees  A. Professional Service Fees (A/E Contract): Planning / E	Design / Sub Consul ation / Work Produc	Itants / Construction Doc	cuments / S		TED PROJECT C	CONSTRUCTION C	0.0000%	\$294,450 \$0 \$2,500 \$296,950
A) Other ( Specify)  Projected Construction Costs: C. Estimated Out of Urbai  Permits & Fees (Contractor)  Professional Service Fees  A. Professional Service Fees (A/E Contract): Planning / E Bidding Assistance / Basic Services of Contract Administr	Design / Sub Consul ation / Work Produc	litants / Construction Doc	cuments / S	specifications /	FED PROJECT C	CONSTRUCTION C	0.0000% COST ESTIMATE	\$294,450 \$0 \$2,500 \$296,950
4.) Other (Specify)  Projected Construction Costs: C. Estimated Out of Urbai  Permits & Fees (Contractor)  Professional Service Fees  A. Professional Service Fees (A/E Contract): Planning / E  Bidding Assistance / Basic Services of Contract Administr  B. Reports / Studies / Owner Expense / Deliverables (A/E	Design / Sub Consulation / Work Product	Itants / Construction Doc	cuments / S	Specifications /	Bid Preparation /	CONSTRUCTION CONST	0.0000% COST ESTIMATE 12.0000% \$0	\$294,450 \$0 \$2,500 \$296,950
A) Other (Specify)  Projected Construction Costs: C. Estimated Out of Urban  Permits & Fees (Contractor)  Professional Service Fees  A. Professional Service Fees (A/E Contract): Planning / Didding Assistance / Basic Services of Contract Administr  B. Reports / Studies / Owner Expense / Deliverables (A/E Reimbursement of Consultant Paid Owner Expenses)	Design / Sub Consul ation / Work Produc Contract): \$500	Itants / Construction Docot Other: Traffic Study	cuments / S	specifications / \$0 \$0	Bid Preparation / Cost Estimator Certified Sched	(3rd Party) uler	0.0000%  COST ESTIMATE  12.0000%  \$0  \$0	\$294,450 \$0 \$2,500 \$296,950 \$35,634
A.) Other (Specify)  Projected Construction Costs: C. Estimated Out of Urbar  Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / Deliding Assistance / Basic Services of Contract Administr B. Reports / Studies / Owner Expense / Deliverables (A/E  Reimbursement of Consultant Paid Owner Expenses  Topographic / Boundary Survey	Design / Sub Consulation / Work Product Contract): \$500 \$0	Itants / Construction Doc ot Other: Traffic Study Drainage Study		specifications / \$0 \$0 \$0 \$0	Bid Preparation / Cost Estimator Certified Sched	(3rd Party) uler ts an Sets	0.0000%  COST ESTIMATE  12.0000%  \$0  \$0  \$0  \$50	\$294,450 \$0 \$2,500 \$296,950 \$35,634
A.) Other (Specify)  Projected Construction Costs: C. Estimated Out of Urbar  Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / Desire (Bidding Assistance / Basic Services of Contract Administr B. Reports / Studies / Owner Expense / Deliverables (A/E  Reimbursement of Consultant Paid Owner Expenses  Topographic / Boundary Survey  Engineering Report (Civil, Structural, MPE)	Design / Sub Consulation / Work Product Contract): \$500 \$0 \$4,500	Other: Traffic Study Drainage Study Geotechnical Report Subsurface Utility Eng	gineering	\$0 \$0 \$0 \$0 \$0 \$0	Bid Preparation / Cost Estimator Certified Sched CD Bid Plan Se Construction Pla	(3rd Party) uler ts an Sets	0.0000%  COST ESTIMATE  12.0000%  \$0  \$0  \$50  \$50  \$150	\$294,450 \$0 \$2,500 \$296,950 \$35,634

D. Reports / Studies / 3rd Party Consultants (Owner Ite	ms):	Constructability Rev requirement for >\$1		\$0	System Furnitur	re Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	Design)	\$0	\$3,500
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Esti	mating	\$3,500	
				Es	stimated Profes	sional Service Fee	es (Owner Items)	\$3,500
					Total Est	imated Professio	nal Service Fees	\$56,806
II. Professional Service Fees: Estimated Out of Urban Ar	ea Cost Differential						0.0000%	\$0
ADJUSTED PROFESSIONAL SERVICE FEES AND CHARGES								
III. Project Construction Contingency (To be used for unforeseen conditions; Does not increase Scope of Work)  10.0000%								\$29,695
IV. Real property Management Fee:			C. \$350,001-	\$1,000,000 Esti	mated project co	st:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	1-\$3,000,000 Es	stimated project of	ost:	\$100,000 Fee	\$30,000
B. \$50,001-\$350,000 Estimated project cost:							\$150,000 Fee	
V. Utility Application and Connection Fees: (Water, Sewer	, Nevada Power mete	r and inspection)						
A. Water Application & Connection Fees		\$0	C. Power A	oplication & Con	nection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VI. Building Fixtures and Hardware			<u> </u>					
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users	\$75,000 - up to 96 u	sers ); (48-port \$1	0,000; 24-port \$	5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (I	Regular time \$54.00/h	ır)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0
	:	2021 / 2022 SUBT	OTAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$413,451
VII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equip	ment)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
VIII. Outreach: Departmental Project Notification and Publicity Requirements; Ground Breaking and Project Dedication								\$0
	2021 / 2022 SUE	STOTAL OF ESTI	MATED FREE-	STANDING FUE	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES								\$413,451

Russell Campus Permit Intake Cubicle Reconfiguration - \$224,954

- Reconfigure the cubicle within the Permit Intake are to provide more cubicles to house current and future staff.
- Current cubicle configuration does not provide adequate space for the staff growth that we anticipate may occur with in the next 5 years.

### **Cubicle Reconfiguration Permit Intake – Cost Estimate**

Commission District "A"

Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus; Bldg-Fire - Permit Intake Modular Reconfiguration

WRL 2953 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

### Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- 1. Project property is in the ownership of the County, however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.
- 3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- 4. The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

OJECT ELEMENT				SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST EST IMAT
Projected Construction Costs: A. Building and/or Site De	velopment							
Demo existing (15) work stations and all other modular to inventory. After hours/weekend pricing	furniture in design	ated areas; return	to County	32	hrs	\$98	per hr.	\$3,136
2.) Demo millwork, haul away and dispose.				1	l.s.	\$950	l.s.	\$950
3.) Allowance for drywall repair, patching and painting.				1	l.s.	\$2,000	ls.	\$2,000
Electrical & Low Voltage: Demo power and data from existing work stations to be removed. Provide and install conduit and cabling needed for power and data to all (21) new modular work stations upon installation 2,200 s.f. \$25 at final location. After hours/weekend pricing							s.f.	\$55,000
5.) Other: Contractors margins & adjustments (use 30-35% if n	ot included in cons	truction line items at	ove)	30%	%	\$6,086	l.s.	\$1,826
Projected Construction Costs: B. Specialty and/or Uniqu	ue Projects Requ	irements:						
.) Pioneer/extend Utilities to project site boundaries:			C. Sewer Sen	vice Pioneerin	g:		<b>\$</b> 0	
A. Electric Service Pioneering:		\$0	D. Gas Servic	e Pioneering:			<b>\$</b> 0	\$0
B. Water Service Pioneering:		\$0	E. Telephone	Cable/Fiber S	ervice Pioneering	J:	\$0	
<ol> <li>Computer / Telephone / Alarm System and/or CCTV Cab parcels and buildings (\$15,000 small facility; \$30,000 ms</li> </ol>			or mountboards:	(Cabling to the	nesite and interio	rto		<b>\$</b> 0
3.) Accessibility Path of Travel upgrades for alterations								\$0
4.) Other (Specify)								\$0
4.) Other ( Specify)					Est	imated Project Co	onstruction Cost	\$0 \$62,912
	an Area Construc	tion Cost Differen	ntial		Est	imated Project Co	onstruction Cost	
Projected Construction Costs: C. Estimated Out of Urba	an Area Construc	tion Cost Differer	ntial		Est	imated Project Co		\$62,912 \$0
	an Area Construc	tion Cost Differen	ntial			•	0.0000%	\$62,912 \$0 \$4,500
Projected Construction Costs: C. Estimated Out of Urba	an Area Construc	tion Cost Differer	ntial	ADJU S		imated Project Co	0.0000%	\$62,912 \$0
Projected Construction Costs: C. Estimated Out of Urba	an Area Construc	tion Cost Differer	ntial	ADJU S		•	0.0000%	\$62,912 \$0 \$4,500
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)	Design / Sub Cons	suitants / Construct			FED PROJECT C	ONSTRUCTION (	0.0000%	\$62,912 \$0 \$4,500
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I	Design / Sub Cons ration / Work Prod	suitants / Construct			FED PROJECT C	ONSTRUCTION (	0.0000%	\$62,912 \$0 \$4,500 \$67,412
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I Bidding Assistance / Basic Services of Contract Administ	Design / Sub Cons ration / Work Prod	suitants / Construct		/ Specification	FED PROJECT C	on STRUCTION ( n / (3rd Party)	0.0000% COST ESTIMATE	\$62,912 \$0 \$4,500 \$67,412
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I Bidding Assistance / Basic Services of Contract Administ B. Reports / Studies / Owner Expense / Deliverables (A/I	Design / Sub Constration / Work Prod	subants / Construct duct Other:	tion Documents /	Specification	FED PROJECT C s / Bid Preparatio  Cost Estimator	onstruction ( n / (3rd Party)	0.0000% COST ESTIMATE 12.0000%	\$62,912 \$0 \$4,500 \$67,412
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I Bidding Assistance / Basic Services of Contract Administ B. Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses	Design / Sub Contraction / Work Prod E Contract): \$500	outents / Construct duct Other: Traffic Study	tion Documents /	Specification	s / Bid Preparatio  Cost Estimator  Certified Sched	on STRUCTION (  in /  (3rd Party)  uler	0.0000%  COST ESTIMATE  12.0000%  S0  S0	\$62,912 \$0 \$4,500 \$67,412 \$8,089
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I Bidding Assistance / Basic Services of Contract Administ B. Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey	Design / Sub Constitution / Work Proc E Contract): \$500 \$0	outants / Construct duct  Other:  Traffic Study  Drainage Study  Geotechnical R	tion Documents /	Specification S0 S0 S0	FED PROJECT C  s / Bid Preparatio  Cost Estimator  Certified Sched  CD Bid Plan Se	ONSTRUCTION ( on / (ord Party) utler ris an Sets	0.0000%  COST ESTIMATE  12.0000%  30  30  \$50	\$62,912 \$0 \$4,500 \$67,412 \$8,089
Projected Construction Costs: C. Estimated Out of Urba Permits & Fees (Contractor)  Professional Service Fees A. Professional Service Fees (A/E Contract): Planning / I Bidding Assistance / Basic Services of Contract Administ B. Reports / Studies / Owner Expense / Deliverables (A/I Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey Engineering Report (Civil, Structural, MPE)	Design / Sub Con ration / Work Proc E Contract): \$500 \$0 \$2,500	outants / Construct duct Other: Traffic Study Drainage Study Geotechnical R Subsurface Util	eport	Specification S0 S0 S0 S0 S0 S0 S0	Cost Estimator Certified Sched CD Bid Plan Se Construction Pl	ONSTRUCTION ( on / (ord Party) utler ris an Sets	0.0000%  COST ESTIMATE  12.0000%  50  50  550  \$150	\$62,912 \$0 \$4,500 \$67,412 \$8,089

1								
D. Reports / Studies / 3rd Party Consultants (Owner Iter	ns):	Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$2,000	
ACM Testing & Report	\$1,500	Commissioning		<b>\$</b> 0	Other (In House	e Design)	\$0	\$8,000
Registered Roofing Consultant (RRC)	<b>\$</b> 0	Quality Assuran	œ Agency	\$0	Scheduling/Est	imating	\$2,500	
				Es	timated Profess	ional Service Fe	es (Owner Items)	\$6,000
					Total Est	imated Professio	nal Service Fees	\$20,121
II. Professional Service Fees: Estimated Out of Urban Are	a Cost Differential	ı					0.0000%	\$0
				ADJUST ED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$20,121
III. Project Construction Contingency (To be used for unfo	reseen conditions;	; Does not increa	se Scope of W	ork)			10.0000%	\$6,741
IV. Real property Management Fee: C. \$350,001-\$1,000,000 Estimated project cost \$30,000 Fee								
A. \$00,001-\$50,000 Estimated project cost: \$2,500 Fee D. \$1,000,001-\$3,000,000 Estimated project cost: \$100,000 Fee								\$15,000
B. \$50,001-\$350,000 Estimated project cost:	00,000 Estimate	ed project cost:		\$150,000 Fee				
V. Utility Application and Connection Fees: (Water, Sewer,								
A. Water Application & Connection Fees		<b>\$</b> 0	C. Power A	oplication & Cor	nection Fees		\$0	\$0
B. Sewer Application & Connection Fees		<b>\$</b> 0	D. Other:				\$0	
VI. Building Fixtures and Hardware		:						
Modular Work Station Unit: Assumes all new product.				21	units	\$5,200	per unit	\$109,200
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users;	\$75,000 - up to 98 i	users); (48-port\$	10,000; 24 por	\$5,800)	•			<b>\$</b> 0
D. UPS System: (Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								<b>\$</b> 0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	<b>\$</b> 0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	68	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (R	egular time \$54.00/	hr)		80	Man Hours	\$81	per hour	\$6,480
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$115,680
	20	021 / 2022 SUBT C	TAL OF EST I	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$224,954
VII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipment of the	ient)			0	s.f.	\$20	per s.f.	<b>\$</b> 0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	<b>\$</b> 0
VIII. Outreach: Departmental Project Notification and Public	VIII. Outreach: Departmental Project Notification and Publicity Requirements; Ground Breaking and Project Dedication							
2021 / 2022 SUBTOTAL OF ESTIMATED FREE-STANDING FURNITURE, COMPUTERS AND OUTREACH COSTS								\$0
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES \$22								
-								

Russell Campus Presentation Room – Sound System Upgrade - \$287,823

### Scope of Work

• Upgrade the sound system, including the microphones, to provide a more consistent sound level without feedback.

### Sound System Upgrade Presentation Room – Cost Estimate

### Commission District "A" Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus, Building & Fire Prevention - Presentation Room Sound System Upgrade

WRL 2918 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### **ASSUMPTIONS**

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- . Unless otherwise noted, project does not require off-site design and/or construction.
- b. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- . The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

	ECT ELEMENT		SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST ESTIMATE		
Pro	ected Construction Costs: A. Building and/or Site Dev	elopment							
1.)	Demo: Remove all existing AV equipment being replaced components that can be utilized in the new system.	; leave in place a	Ill conduit, cabling and	daudio	1	l.s.	\$2,500	l.s.	\$2,500
2.)	Provide, install and commission new wireless AV sytem a utilizing any audio compnents, cabling and conduit from p wireless microphones to be connected. Excludes network	revious system.			1	I.s.	\$155,000	l.s.	\$155,000
3.)	Off-site Construction: Off-site Construction with Signalization	tion			0	lin. ft.	\$0	per lin. ft.	\$0
4.) Other: Contractors margins & adjustments (use 30-35% if not included in construction line items above)						%	\$157,500	l.s.	\$47,250
. Pr	jected Construction Costs: B. Specialty and/or Unique	Projects Requi	rements:						
1.)	Pioneer/extend Utilities to project site boundaries:		C	. Sewer Serv	ice Pioneerir	ng:		\$0	
	A. Electric Service Pioneering:		\$0 D	). Gas Servic	e Pioneering			\$0	\$0
	B. Water Service Pioneering:		\$0 E	. Telephone/	Cable/Fiber \$	Service Pioneering	r.	\$0	
2.)	Computer / Telephone / Alarm System and/or CCTV Cablin parcels and buildings (\$15,000 small facility; \$30,000 med			mountboards:	(Cabling to t	he site and interior	to		\$0
3.)	Accessibility Path of Travel upgrades for alterations								\$0
4.)	Other ( Specify)								\$0
						Est	imated Project Co	nstruction Cost	\$204,750
Pre	jected Construction Costs: C. Estimated Out of Urban	Area Construct	tion Cost Differential	ı				0.0000%	\$0
Per	mits & Fees (Contractor)								\$750
					ADJUS	TED PROJECT C	ONSTRUCTION C	OST ESTIMATE	\$205,500
Pre	fessional Service Fees								
	Professional Service Fees (A/E Contract): Planning / D			Documents /	Specification	s / Bid Preparation	n/	15.0000%	\$30,825
A.	Bidding Assistance / Basic Services of Contract Administra						(0-1 D-+1)	\$0	
	Reports / Studies / Owner Expense / Deliverables (A/E	Contract):	Other:		\$0	Cost Estimator	(3rd Party)	ŞU	
В.		Contract): \$500	Other: Traffic Study		\$0 \$0	Cost Estimator Certified Sched	. ,,	\$0	
В.	Reports / Studies / Owner Expense / Deliverables (A/E	,				-	uler	**	\$3,783
В.	Reports / Studies / Owner Expense / Deliverables (A/E Reimbursement of Consultant Paid Owner Expenses	\$500	Traffic Study	ort	\$0	Certified Sched	luler	\$0	\$3,783
В.	Reports / Studies / Owner Expense / Deliverables (A/E Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey	\$500 \$0	Traffic Study Drainage Study		\$0 \$0	Certified Sched	uler ets an Sets	\$0 \$50	\$3,783
В.	Reports / Studies / Owner Expense / Deliverables (A/E Reimbursement of Consultant Paid Owner Expenses Topographic / Boundary Survey Engineering Report (Civil, Structural, MPE)	\$500 \$0 \$0 \$0	Traffic Study Drainage Study Geotechnical Repo	Engineering	\$0 \$0 \$0 \$0	Certified Sched CD Bid Plan Se Construction Pl	uler ets an Sets	\$0 \$50 \$150	\$3,783 \$6,165

D. Reports / Studies / 3rd Party Consultants (Owner Item	is):	Constructability Revi requirement for >\$10		\$0	System Furnitu	re Design:	<b>\$</b> 0	
ACM Testing & Report	\$0	Commissioning		\$3,500	Other (In House	Design)	\$0	\$6,000
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Est	mating	\$2,500	
				Es	timated Profess	ional Service Fee	s (Owner Items)	\$6,000
					Total Est	mated Profession	nal Service Fees	\$46,773
II. Professional Service Fees: Estimated Out of Urban Area	a Cost Differentia	l					0.0000%	\$0
ADJUSTED PROFESSIONAL SERVICE FEES AND CHARGES								\$46,773
III. Project Construction Contingency (To be used for unforeseen conditions; Does not increase Scope of Work)  10.0000%								\$20,550
IV. Real property Management Fee:			C. \$350,001-	\$1,000,000 Est	imated project co	st:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	1-\$3,000,000 E	stimated project	cost:	\$100,000 Fee	\$15,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimate	ed project cost:		\$150,000 Fee	
V. Utility Application and Connection Fees: (Water, Sewer, N	Nevada Power met	er and inspection)						
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Cor	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VI. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$	75,000 - up to 96 t	users); (48-port \$	10,000; 24-port	\$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (Re	egular time \$54.00/	hr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	LDING FIXTURES	& HARDWARE	\$0
	20	21 / 2022 SUBTO	TAL OF ESTIN	MATED DESIGN	N & CONSTRUC	TION COSTS MAN	NAGED BY RPM	\$287,823
VII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipme	ent)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
VIII. Outreach: Departmental Project Notification and Publicity Requirements; Ground Breaking and Project Dedication								\$0
2021 / 2022 SUBTOTAL OF ESTIMATED FREE-STANDING FURNITURE, COMPUTERS AND OUTREACH COSTS							\$0	
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES \$20							\$287,823	

Russell Campus Room 1116 A/V Upgrade- \$133,458

- Replace the existing A/V system with a 100" smart board, video camera and audio system.
- Currently the department is set-up to hold either video conference meetings or in person meetings, though hybrid meetings (in-person and video) are difficult. This upgrade will help the Department stay current with the needs of our customers as it relates to meeting format.

### Room 1116 Audio/Visual Upgrade – Cost Estimate

COST

Commission District "A"

Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus\_Bldg-Fire\_Rm 1116 AV Upgrades

WRL 2858 / Project Number: RP.A000000

Date of Initial Estimate: 12/15/2021
Date of Latest Revision: 00/00/0000

### Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

AREA or PROJECTED

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), walver(s) and variance(s).
- Unless otherwise noted, project does not require off-site design and/or construction.

PROJECT ELEMENT

- 3. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- 4. The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- . The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

FICOSI	TOT ELEMENT				SIZE	QUANTITY	UNIT COST	UNII	ESTIMATE
I. Proj	ected Construction Costs: A. Building and/or Site Dev	velopment							
1.)	Demo exisitng power to projector screen, existing project	or screen, existing p	rojector and white	board.	1	l.s.	\$2,500	I.s.	\$2,500
2.)	Install backing for mounting 100" monitor. Repair, patch	drywall and paint the	e entire wall to ma	atch existing.	1	l.s.	\$4,500	I.s.	\$4,500
3.)	Move power, data and AV connections down existing wa boxes and cabling required to support microphone(s), sp point.	1	I.s.	\$2,500	l.s.	\$2,500			
4.)	Provide and install 100" smart multi-input touch screen monitor & mount, microphones, speakers, fixed wide  4.) angle lense camera, touch control panel and associated components to support web conference capabilities.  Existing PC to be untilized with new components							I.s.	\$62,000
5.)	Other: Contractors margins & adjustments (use 30-35%	if not included in cor	struction line iten	ns above)	30%	l.s.	\$71,500	I.s.	\$21,450
I. Pro	jected Construction Costs: B. Specialty and/or Uniqu	e Projects Require	ments:						
1.)	Pioneer/extend Utilities to project site boundaries:			C. Sewer Sen	vice Pioneering	j:		\$0	
	A. Electric Service Pioneering:		\$0	D. Gas Service	e Pioneering:			\$0	\$0
	B. Water Service Pioneering:		\$0	E. Telephone/	ne/Cable/Fiber Service Pioneering: \$0				
2.)	Computer / Telephone / Alarm System and/or CCTV Cabl parcels and buildings (\$15,000 small facility; \$30,000 me			mountboards:	(Cabling to the	site and interior	to		\$0
3.)	Accessibility Path of Travel upgrades for alterations								\$0
4.)	Other ( Specify)								\$0
						Est	imated Project Co	nstruction Cost	\$92,950
I. Pro	jected Construction Costs: C. Estimated Out of Urba	n Area Constructio	n Cost Differenti	ial				0.0000%	\$0
					ADJUS'	TED PROJECT C	CONSTRUCTION C	OST ESTIMATE	\$92,950
II. Pro	fessional Service Fees								
	Professional Service Fees (A/E Contract): Planning / Discrete Administration of Contract Administratio			n Documents / S	Specifications /	Bid Preparation	/	10.0000%	\$9,295
В.	Reports / Studies / Owner Expense / Deliverables (A/E	Contract):	Other:		\$0	Cost Estimator	(3rd Party)	\$0	
	Reimbursement of Consultant Paid Owner Expenses	\$0	Traffic Study		\$0	Certified Sched	uler	\$0	
	Topographic / Boundary Survey	\$0	Drainage Study		\$0	CD Bid Plan Se	ts	\$50	\$2,630
-	Engineering Report (Civil, Structural, MPE)	\$1,500	Geotechnical Re	port	\$0	Construction Pl	an Sets	\$150	
(	Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Utilit	ty Engineering	\$0	Design Conting	ency (10%)	\$930	
C.	Project Management / Construction Management / Co	nstruction Inspecti	on / Pre-plannin	g Costs / Exter	nded CA			3.0000%	\$2,789
					Es	timated Profess	ional Service Fee	s (A/E Contract)	\$14,713

D. Reports / Studies / 3rd Party Consultants (Owner Item	s):	Constructability Revi requirement for >\$10		\$0	System Furnitu	e Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	Design)	\$0	\$1,500
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Esti	mating	\$1,500	
				Es	timated Profess	ional Service Fee	s (Owner Items)	\$1,500
					Total Est	imated Profession	nal Service Fees	\$16,213
II. Professional Service Fees: Estimated Out of Urban Area	Cost Differential						0.0000%	\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$16,213
III. Project Construction Contingency (To be used for unforeseen conditions; Does not increase Scope of Work)  10.0000%								\$9,295
IV. Permits & Fees (Contractor)								\$0
V. Real property Management Fee: C. \$350,001-\$1,000,000 Estimated project cost: \$30,000 Fee								
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	D. \$1,000,00	1-\$3,000,000 Es	stimated project	cost:	\$100,000 Fee	\$15,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,00	00,000 Estimate	d project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer, N	Nevada Power met	er and inspection)						
A. Water Application & Connection Fees		\$0	C. Power Ap	oplication & Con	nection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$	75,000 - up to 96 us	sers ); (48-port \$1	0,000; 24-port	\$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)  F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0 \$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea ea	\$5.000	per riodi per each	\$0
H. General & Specialized Relocation: Packing and Moving (Re	gular time \$54.00/h	nr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)	-			0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURES	& HARDWARE	\$0
	2	021 / 2022 SUBT	OTAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$133,458
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipme	ent)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
IX. Outreach: Departmental Project Notification and Publicity	Requirements; G	Fround Breaking	and Project De	edication				\$0
2021 / 2022 SUBTOTAL OF ESTIMATED FREE-STANDING FURNITURE, COMPUTERS AND OUTREACH COSTS						\$0		
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES \$1						\$133,458		

Russell Campus Rms 1116 and 1222 — Floor Video Ports - \$147,976

### Scope of Work

• Install Conduits and conductor to connect data ports in conference room tables to the A/V connection in Rooms 1116 and 1222 at the Russell Campus.

### Room 1116 & 1222 Floor Video Ports – Cost Estimate

**Commission District "A"** Clark County Projects - 2021 / 2022

**Real Property Management Preliminary Cost Estimate** 

Project Name: Russell Campus, Building & Fire Prevention - Room 1116 & 1222 Floor Video Ports

WRL 2859 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- . Unless otherwise noted, project does not require off-site design and/or construction.
- B. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

PROJECT	ELEMENT			SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST ESTIMATE	
. Projecte	d Construction Costs: A. Building and/or Site De	velopment							
	ctrical & Low Voltage: Provide conduit and Data/AV es (3 per table) to existing wall connection point and				950	s.f.	\$30	per s.f.	\$28,500
2.) Allo	wance for drywall repair, patching and painting				1	I.s.	\$1,200	I.s.	\$1,200
3.) room	Integration: Provide, install and commissioning of A m audio, video, display and microphone from confer h rooms, if WRL2858 is funded for room 1116 added	2	ea	\$25,000	ea	\$50,000			
4.) Oth	er: Contractors margins & adjustments (use 30-35% if	30%	%	\$79,700	l.s.	\$23,910			
. Projecte	ed Construction Costs: B. Specialty and/or Uniq	ue Projects Requ	uirements:						
1.) Pior	neer/extend Utilities to project site boundaries:		C.	Sewer Serv	/ice Pioneerin	g:		\$0	
A.	Electric Service Pioneering:		\$0 <b>D</b> .	Gas Servic	e Pioneering:			\$0	\$0
В.	Water Service Pioneering:		\$0 <b>E</b> .	Telephone/	Cable/Fiber S	Service Pioneering	:	\$0	
	puter / Telephone / Alarm System and/or CCTV Cat els and buildings (\$15,000 small facility; \$30,000 m			nountboards:	(Cabling to the	e site and interior	to		\$0
3.) Acce	ssibility Path of Travel upgrades for alterations								\$0
4.) Othe	r ( Specify)								\$0
						Esti	imated Project Co	nstruction Cost	\$103,610
. Projecte	ed Construction Costs: C. Estimated Out of Urba	an Area Construc	ction Cost Differential					0.0000%	\$0
					ADJUST	TED PROJECT C	ONSTRUCTION C	OST ESTIMATE	\$103,610
. Profess	ional Service Fees								
	essional Service Fees (A/E Contract): Planning / ng Assistance / Basic Services of Contract Administ			Documents /	Specification	s / Bid Preparation	n/	10.0000%	\$10,361
	orts / Studies / Owner Expense / Deliverables (A/	E Contract):	Other:		\$0	Cost Estimator	(3rd Party)	\$0	
B. Repo	orta / Ottadica / Owner Expense / Deliverables (A								
•	bursement of Consultant Paid Owner Expenses	\$0	Traffic Study		\$0	Certified Sched	uler	\$0	40.50-
Reim	, ,		Traffic Study  Drainage Study		\$0 \$0	CD Bid Plan Se		\$0 \$0	\$2,536
Reim	bursement of Consultant Paid Owner Expenses	\$0	,	rt			ets		\$2,536
Reim Topo Engir	bursement of Consultant Paid Owner Expenses graphic / Boundary Survey	\$0 \$0	Drainage Study		\$0	CD Bid Plan Se	ets an Sets	\$0	\$2,536
Reim Topo Engir Other	pubursement of Consultant Paid Owner Expenses graphic / Boundary Survey neering Report (Civil, Structural, MPE)	\$0 \$0 \$1,500 \$0	Drainage Study Geotechnical Repor	ngineering	\$0 \$0 \$0	CD Bid Plan Se Construction Plan	ets an Sets	\$0 \$0	\$2,536

D. Reports / Studies / 3rd Party Consultants (Owner Items):		Constructability Rev requirement for >\$1		\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$1,500
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Esti	imating	\$1,500	
				E	stimated Profess	ional Service Fee	es (Owner Items)	\$1,500
					Total Est	imated Profession	nal Service Fees	\$17,505
II. Professional Service Fees: Estimated Out of Urban Area Co	ost Different	ial					0.0000%	\$0
ADJUSTED PROFESSIONAL SERVICE FEES AND CHARGES								
III. Project Construction Contingency (To be used for unforeseen conditions; Does not increase Scope of Work)  10.0000%								
IV. Permits & Fees (Contractor)								\$1,500
V. Real property Management Fee:			C. \$350,001	-\$1,000,000 Es	timated project co	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	1-\$3,000,000 E	Estimated project	cost:	\$100,000 Fee	\$15,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estima	ted project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer, New	ada Power m	neter and inspection)						
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Co	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$75,	000 - up to 96	6 users ); (48-port \$	10,000; 24-port	t \$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving (Regul	ar time \$54.0	00/hr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BUI	ILDING FIXTURES	& HARDWARE	\$0
	:	2021 / 2022 SUBTO	TAL OF ESTIN	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$147,976
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipment)				0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
IX. Outreach: Departmental Project Notification and Publicity R	equirements	s; Ground Breaking	and Project D	Dedication				\$0
202	21 / 2022 SUI	BTOTAL OF ESTIMA	ATED FREE-S	TANDING FUI	RNITURE, COMP	UTERS AND OUT	REACH COSTS	\$0
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES \$								\$147,976

Russell Campus Space Needs Assessment - \$203,555

### Scope of Work

 Hire a consultant to conduct space 5 and 10 year space needs assessment for all current and future occupants of the Russell Campus, include Building, Fire Prevention Comprehensive Planning, CCPro\Animal Control, Automotive and Environment & Sustainability.

### Space Planning Needs – Cost Estimate

ESTIMATE

Commission District "A"
Clark County Projects - 2021 / 2022

Real Property Management Preliminary Cost Estimate

Project Name: Russell Campus - 5-Year & 10-Year Space Utilization Study

WRL 2910 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

### Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

PROJECTED

QUANTITY UNIT COST

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- 2. Unless otherwise noted, project does not require off-site design and/or construction.

PROJECT ELEMENT

- Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- . The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

					QUANTITY	UNIT COST		ESTIMATE
Projected Construction Costs: A. Building and/or Site De	velopment							
5-Year & 10-Year Space Utilization Study: Professional utilization for all Departments. Interview staff and collect space usage and functions for all areas. Collect data or and 10-year period including economic data on future or physical space needed. Create written assessment rep diagrams, conceptual floror plans, conceptual furniture p Assumptions for basis of fee: (7) Departments reviewed 188 hrs; 24 hrs/department to synthesize and organize i ups 70/hrs; 240/hrs to generate initial draft report and final report. 726 total hours @ \$175/hr = \$127,050 bass	t current staff count n all Department grommunity growth ar ort with findings an- ilan, recommendation t; 24 hrs/departmen information = 168 h concepts; review wi	s, space assignme owth projections on dimpacts on staff dispace studies in ons and a cost ana t for initial intervier is; 10 hrs/department the end users; 80hr	ents and current yer a 5-year ing and cluding blocking lysis. ws & surveys = ent for follow	0	hrs	\$0	per hr	\$0
Land Construction: (Parking, Site Improvements, Landscaping): 0 acres \$500,000								\$0
3.) Off-site Construction: Off-site Construction with Signaliz	ation			0	lin. ft.	\$0	per lin. ft.	\$0
4.) Other: Contractors margins & adjustments (use 30-35% if	not included in const	ruction line items al	bove)	0%	%	\$0	l.s.	\$0
Projected Construction Costs: B. Specialty and/or Uniq	ue Projects Requi	rements:						
.) Pioneer/extend Utilities to project site boundaries:			C. Sewer Ser	vice Pioneering	<b>j</b> :		\$0	
A. Electric Service Pioneering:		\$0	D. Gas Service	e Pioneering:			\$0	\$0
B. Water Service Pioneering:		\$0	E. Telephone	/Cable/Fiber S	ervice Pioneering	:	\$0	
<ol> <li>Computer / Telephone / Alarm System and/or CCTV Cab parcels and buildings (\$15,000 small facility; \$30,000 m</li> </ol>			r mountboards:	(Cabling to the	site and interior t	to		\$0
3.) Accessibility Path of Travel upgrades for alterations								\$0
4.) Other ( Specify)								\$0
					Esti	imated Project Co	onstruction Cost	\$0
Projected Construction Costs: C. Estimated Out of Urba	an Area Construct	on Cost Different	tial				0.0000%	\$0
				ADJUS	TED PROJECT C	ONSTRUCTION	COST ESTIMATE	\$0
Professional Service Fees								
A. Professional Service Fees (A/E Contract): Planning / Bidding Assistance / Basic Services of Contract Administ				Specifications	Bid Preparation	I	l.s.	\$127,050
B. Reports / Studies / Owner Expense / Deliverables (A/I	E Contract):	Economic Cons	ultant	\$20,000	Cost Estimator	(3rd Party)	\$5,500	
Reimbursement of Consultant Paid Owner Expenses	\$250	System Furnitur	re Consultant	\$20,000	Certified Sched	uler	\$2,500	804 505
Topographic / Boundary Survey	\$0	Drainage Study		\$0	CD Bid Plan Se	ts	\$50	\$61,505
Engineering Report (Civil, Structural, MPE)	\$0	Geotechnical R	eport	\$0	Printed Reports		\$500	
Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Util	ity Engineering	\$0	Design Conting	ency (10%)	\$12,705	
C. Project Management / Construction Management / Co	onstruction Inspec	tion / Pre-plannir	ng Costs / Exter	nded CA			0.0000%	\$0
Estimated Professional Service Fees (A/E Contract)								
		T						\$188,555

		-						
D. Reports / Studies / 3rd Party Consultants (Owner	Items):	Constructability Rev requirement for >\$10		\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$0
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ce Agency	\$0	Scheduling/Est	imating	\$0	
				E	stimated Profess	sional Service Fee	es (Owner Items)	\$0
					Total Est	imated Profession	nal Service Fees	\$188,555
II. Professional Service Fees: Estimated Out of Urban	Area Cost Differentia	ı					0.0000%	\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$188,555
III. Project Construction Contingency (To be used for u	nforeseen conditions	; Does not increas	se Scope of W	ork)			10.0000%	\$0
IV. Permits & Fees (Contractor)								\$0
V. Real property Management Fee:			C. \$350,001-	\$1,000,000 Est	timated project co	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D</b> . \$1,000,00	1-\$3,000,000 E	stimated project	cost:	\$100,000 Fee	\$15,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimat	ed project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, See	wer, Nevada Power me	eter and inspection)						
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Co	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: ( \$20,000 - up to 24 use	ers; \$75,000 - up to 96 to	users ); (48-port \$1	0,000; 24-port	\$5,800)				\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service				0	Man Hours	\$80	per hour	\$0
G. Wi-Fi System with conduits (One device per 2000 s.f.)				0	ea	\$5,000	per each	\$0
H. General & Specialized Relocation: Packing and Moving	g (Regular time \$54.00)	/hr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0
		2021 / 2022 SUBT	OTAL OF EST	IMATED DESIG	SN & CONSTRUC	CTION COSTS MA	NAGED BY RPM	\$203,555
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equ	uipment)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
IX. Outreach: Departmental Project Notification and Put	olicity Requirements;	Ground Breaking	and Project D	edication				\$0
	2021 / 2022 SU	BTOTAL OF ESTI	MATED FREE-	STANDING FU	RNITURE, COMP	PUTERS AND OUT	TREACH COSTS	\$0
	2021 / 20	22 TOTAL ES	TIMATED	PROJECT	COSTS FO	R BUDGET	PURPOSES	\$203,555
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES								

Russell Campus Air-Water Balance – \$2,681,858

- Perform a building-wide air and water balance, replacement of the water mixing valves, VAVs and fire dampers, as appropriate.
- Work to occur after completion of the boiler and chiller replacement projects.

### Air & Water Balance – Cost Estimate

### Commission District "A"

Clark County Projects - 2021 / 2022

**Real Property Management Preliminary Cost Estimate** 

Project Name: Russell Campus, Building & Fire Prevention - Air & Water Balance

WRL 2860 / Project Number: RP.A000000 Date of Initial Estimate: 02/09/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTIONS

- Project property is in the ownership of the County, however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- . Unless otherwise noted, project does not require off-site design and/or construction.
- b. Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- . The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

PROJECT ELEMENT			SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST ESTIMATE				
Projected Construction Costs: A. Building and/or Site De	evelopment										
Russell TAB: Seal ducts, clean hot/chilled water lines, PM VAV boxes and damper operators, strainers, replace dampers and valves, repipe, new insulation, new air flow sensors, BAC Net upgrades, new flow control valves, new damper control valves, new trap primers, etc. commission system. Final complete scope is to be determined based on full building assessment and TAB report. Cost based on current RJC Air & Water Phase III project broken down to a cost per sf.			124000	s.f.	\$16	per s.f.	\$1,984,000				
2.) Land Construction: (Parking, Site Improvements, Landscaping):				0	acres	\$500,000	acres	\$0			
3.) Off-site Construction: Off-site Construction with Signalize	zation			0	lin. ft.	\$0	per lin. ft.	\$0			
4.) Other: Contractors margins & adjustments (use 30-35% if r	not included in cons	truction line items abo	ove)	0%	%	\$1,984,000	l.s.	\$0			
. Projected Construction Costs: B. Specialty and/or Uniq	ue Projects Requ	irements:									
1.) Pioneer/extend Utilities to project site boundaries:  C. Sewer Service Pioneering:							\$0				
A. Electric Service Pioneering:	A. Electric Service Pioneering: \$0 D. Gas Service					ce Pioneering:					
B. Water Service Pioneering:		\$0	E. Telephone	/Cable/Fiber S	Service Pioneerin	g:	\$0				
2.) Computer / Telephone / Alarm System and/or CCTV Cabling; Terminations / Wall plugs and/or mountboards: (Cabling to the site and interior to parcels and buildings (\$15,000 small facility; \$30,000 medium facility; \$60,000 large facility)								\$0			
3.) Accessibility Path of Travel upgrades for alterations								\$0			
4.) Other (Specify)								\$0			
Estimated Project Construction Cost							\$1,984,000				
Projected Construction Costs: C. Estimated Out of Urban Area Construction Cost Differential 0.0000%							\$0				
ADJUSTED PROJECT CONSTRUCTION COST ESTIMATE							\$1,984,000				
Professional Service Fees							_				
A. Professional Service Fees (A/E Contract): Planning / Design / Sub Consultants / Construction Documents / Specifications / Bid Preparation / Bidding Assistance / Basic Services of Contract Administration / Work Product							\$238,080				
B. Reports / Studies / Owner Expense / Deliverables (A/E Contract): Other: \$0 Cost Estimator (3rd Party) \$3,500											
Reimbursement of Consultant Paid Owner Expenses	\$8,500	Traffic Study		\$0	Certified Sched	luler	\$5,500	\$54.05°			
Topographic / Boundary Survey	\$0	Drainage Study		\$0	CD Bid Plan Se	ets	\$50	\$51,858			
Engineering Report (Civil, Structural, MPE)	\$10,000	Geotechnical Re	port	\$0	Construction P	lan Sets	\$500				
Other - specify (Landscape, Interior Design etc.)	\$0	Subsurface Utility	y Engineering	\$0	Design Conting	gency (10%)	\$23,808				
C. Project Management / Construction Management / C	onstruction Inspe	ction / Pre-planning	ng Costs / Exte	ended CA			3.0000%	\$59,520			
				Es	stimated Profess	ional Service Fee	s (A/E Contract)	\$349,458			

								,
D. Reports / Studies / 3rd Party Consultants (Owner Items):  Constructability Review (NRS requirement for >\$10M) 1-2%				\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report \$0 Commissioning			\$25,000	Other (In House	e Design)	\$0	\$30,000	
Registered Roofing Consultant (RRC) \$0 Quality Assurance Agency			\$0	Scheduling/Est	imating	\$5,000		
Estimated Professional Service Fees (Owner Items)								\$30,000
Total Estimated Professional Service Fees								
II. Professional Service Fees: Estimated Out of Urban Area Cost Differential 0.0000%								\$0
ADJUSTED PROFESSIONAL SERVICE FEES AND CHARGES								\$379,458
III. Project Construction Contingency (To be used for unfo	reseen condition	s; Does not incre	ase Scope of V	Vork)			10.0000%	\$198,400
IV. Permits & Fees (Contractor)								\$20,000
V. Real property Management Fee:			C. \$350,001-	\$1,000,000 Es	timated project c	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee			stimated project		\$100,000 Fee	\$100,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimat	ed project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer	, Nevada Power m	eter and inspection	n)					
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Co	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:		\$0			
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:				0	units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$75,000 - up to 96 users); (48-port \$10,000; 24-port \$5,800)								
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
F. Registered Cabling Design / Engineering Service 0 Man Hours \$80 per hour						per hour	\$0	
G. Wi-Fi System with conduits (One device per 2000 s.f.)			0	ea	\$5,000	per each	\$0	
H. General & Specialized Relocation: Packing and Moving (F	Regular time \$54.0	0/hr)		0	Man Hours	\$54	per hour	\$0
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	S & HARDWARE	\$0
	2	2021 / 2022 SUBTO	OTAL OF ESTIM	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$2,681,858
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipment)			0	s.f.	\$20	per s.f.	\$0	
B. Computer with Printer and Software					units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)					system	\$13,500	per system	\$0
D. Other (specify) 0 unit					\$0	unit	\$0	
IX. Outreach: Departmental Project Notification and Publicity Requirements; Ground Breaking and Project Dedication								\$0
	2021 / 2022 SUE	STOTAL OF ESTIM	IATED FREE-S	TANDING FUR	RNITURE, COMP	PUTERS AND OUT	TREACH COSTS	\$0
	2021 / 20	22 TOTAL ES	STIMATED	PROJECT	COSTS FO	OR BUDGET	PURPOSES	\$2,681,858
								<b>42,001,000</b>

Russell Campus Fire Alarm System Upgrades- \$1,324,698

- Upgrade the fire alarm control panels, detectors and alarm devices to meet the current Code.
- •
- RPM Operations has identified the system as nearing the end of system functional life.

### Fire Alarm Replacement – Cost Estimate

Commission District "A"
Clark County Projects - 2021 / 2022

**Real Property Management Preliminary Cost Estimate** 

Project Name: Russell Campus, Building & Fire Prevention - Fire Alarm Replacement

WRL 2919 / Project Number: RP.A000000 Date of Initial Estimate: 02/10/2022 Date of Latest Revision: 00/00/0000

Project cost estimates that are older than six (6) months from the date of the latest revision shown, are invalid and must be updated.

### ASSUMPTION:

- 1. Project property is in the ownership of the County; however the property requires all land use activities which may include, but is not limited to: zone change, design review(s), use permit(s), waiver(s) and variance(s).
- . Unless otherwise noted, project does not require off-site design and/or construction.
- . Unless otherwise noted, all utilities (water, sewer, electricity, telephone, gas and cable) are located within 100 feet of the project site; therefore, no pioneering costs are required or estimated.
- 4. The project site is fully developable within County standard conditions and cost. The site is not located within a flood area which requires additional design and construction expense.
- 5. The site does not contain hazardous materials, non-structural soils, caliche or other soil and/or geotechnical constraints.
- 6. The Project does not include any complex, sensitive and/or unusual project elements, construction methods and/or requirements that are not specifically itemized below.

PROJECT ELEMENT			SIZE	AREA or QUANTITY	PROJECTED UNIT COST	UNIT	COST	ŀ		
I. Projected Construction Costs: A. Building and/or Site Development									1	
Fire Alarm System Replacement: Replace all fire alarm system components including main fire alarm control panel and power supply with new addressable panel and field charging supply, all strobe and horn devices, smoke det					124000	s.f.	\$6	per s.f.	\$744,000	
2.)	2.) Land Construction: (Parking, Site Improvements, Landscaping): 0 acres \$500,000 acres							acres	\$0	1
3.)	3.) Off-site Construction: Off-site Construction with Signalization 0 lin. ft. \$0 per lin. ft.							per lin. ft.	\$0	1
4.)	Other: Contractors margins & adjustments (use 30-35% if n	ot included in cons	struction line items abov	re)	30%	%	\$744,000	l.s.	\$223,200	1
I. Projected Construction Costs: B. Specialty and/or Unique Projects Requirements:									ŀ	
1.)	Pioneer/extend Utilities to project site boundaries:		c	. Sewer Ser	vice Pioneerin	ıg:		\$0		11
	A. Electric Service Pioneering:		\$0 D	. Gas Servic	e Pioneering:			\$0	\$0	Ш
	B. Water Service Pioneering:		\$0 E	. Telephone	/Cable/Fiber S	Service Pioneering	g:	\$0		l l
2.) Computer / Telephone / Alarm System and/or CCTV Cabling; Terminations / Wall plugs and/or mountboards: (Cabling to the site and interior to parcels and buildings (\$15,000 small facility; \$30,000 medium facility; \$60,000 large facility)							\$0			
3.) Accessibility Path of Travel upgrades for alterations								\$0	1	
4.) Other ( Specify)							\$0	1		
Estimated Project Construction Cost								\$967,200	1	
I. Projected Construction Costs: C. Estimated Out of Urban Area Construction Cost Differential 0.0000%							\$0	1		
ADJUSTED PROJECT CONSTRUCTION COST ESTIMATE							\$967,200			
II. Professional Service Fees								1		
A. Professional Service Fees (A/E Contract): Planning / Design / Sub Consultants / Construction Documents / Specifications / Bid Preparation / Bidding Assistance / Basic Services of Contract Administration / Work Product							\$96,720	1		
B. Reports / Studies / Owner Expense / Deliverables (A/E Contract): Other: \$0 Cost Estimator (3rd Party) \$4,500									1	
	Reimbursement of Consultant Paid Owner Expenses \$2,500 Traffic Study \$0 Certified Scheduler \$4,500								***	l
	Topographic / Boundary Survey \$0 Drainage Study \$0 CD Bid Plan Sets \$50								\$28,222	ı
	Engineering Report (Civil, Structural, MPE) \$6,500 Geotechnical Report \$0 Construction Plan Sets \$500									ı
	Other - specify (Landscape, Interior Design etc.) \$0 Subsurface Utility Engineering \$0 Design Contingency (10%) \$9,672									
C.	Project Management / Construction Management / Co	onstruction Insp	ection / Pre-planning	Costs / Exte	ended CA			3.0000%	\$29,016	1
					Es	timated Profess	ional Service Fee	s (A/E Contract)	\$153,958	1
										4

D. Reports / Studies / 3rd Party Consultants (Owner Item	s):	Constructability Rev requirement for >\$1	iew (NRS 0M) 1-2%	\$0	System Furnitu	re Design:	\$0	
ACM Testing & Report	\$0	Commissioning		\$0	Other (In House	e Design)	\$0	\$2,500
Registered Roofing Consultant (RRC)	\$0	Quality Assuran	ice Agency	\$0	Scheduling/Est	timating	\$2,500	
Estimated Professional Service Fees (Owner Items)								\$2,500
					Total Esti	imated Profession	nal Service Fees	\$156,458
II. Professional Service Fees: Estimated Out of Urban Area Cost Differential 0.0000%								\$0
				ADJUSTED	PROFESSIONA	L SERVICE FEES	AND CHARGES	\$156,458
III. Project Construction Contingency (To be used for unfore	eseen conditions	s; Does not increa	ase Scope of \	Vork)			10.0000%	\$96,720
IV. Permits & Fees (Contractor)								\$0
V. Real property Management Fee:			C. \$350,001	\$1,000,000 Est	imated project c	ost:	\$30,000 Fee	
A. \$00,001-\$50,000 Estimated project cost:		\$2,500 Fee	<b>D.</b> \$1,000,00	1-\$3,000,000 E	stimated project	cost:	\$100,000 Fee	\$100,000
B. \$50,001-\$350,000 Estimated project cost:		\$15,000 Fee	E. Over \$3,0	00,000 Estimate	ed project cost:		\$150,000 Fee	
VI. Utility Application and Connection Fees: (Water, Sewer, N	Nevada Power m	eter and inspectior	1)					
A. Water Application & Connection Fees		\$0	C. Power A	pplication & Co	nnection Fees		\$0	\$0
B. Sewer Application & Connection Fees		\$0	D. Other:				\$0	
VII. Building Fixtures and Hardware								
A. Modular Work Station Unit				0	units	\$5,200	per unit	\$0
B. Telephone System Equipment:					units	\$325	per unit	\$0
C. Router with Switch and racks: (\$20,000 - up to 24 users; \$75,000 - up to 96 users); (48-port \$10,000; 24-port \$5,800)								\$0
D. UPS System: ( Small - \$ 15,000; Large - \$35,000)								\$0
E. Server (If required - \$31,500)								\$0
						per hour	\$0	
G. Wi-Fi System with conduits (One device per 2000 s.f.) 0 ea \$5,000 per ea						per each	\$0	
H. General & Specialized Relocation: Packing and Moving (Regular time \$54.00/hr) 80					Man Hours	\$54	per hour	\$4,320
I. Other (Specify)				0	unit (specify)	\$0	per(specify)	\$0
					SUBTOTAL BU	ILDING FIXTURE	8 & HARDWARE	\$4,320
	2	021 / 2022 SUBTO	TAL OF ESTI	MATED DESIG	N & CONSTRUC	TION COSTS MA	NAGED BY RPM	\$1,324,698
VIII. FF & E (Free-Standing Furniture & Computers)								
A. Facility: (Free-Standing Furnishings and Computer Equipme	ent)			0	s.f.	\$20	per s.f.	\$0
B. Computer with Printer and Software				0	units	\$4,500	per unit	\$0
C. Alarm System Service (First Year)				0	system	\$13,500	per system	\$0
D. Other (specify)				0	unit	\$0	unit	\$0
IX. Outreach: Departmental Project Notification and Publicity Requirements; Ground Breaking and Project Dedication							\$0	
:	2021 / 2022 SUB	TOTAL OF ESTIM	IATED FREE-S	TANDING FUR	NITURE, COMP	PUTERS AND OUT	REACH COSTS	\$0
2021 / 2022 TOTAL ESTIMATED PROJECT COSTS FOR BUDGET PURPOSES						\$1,324,698		

### CAPITAL IMPROVEMENT REQUESTS

The following capital projects were submitted in the Department 5 -Year capital plan and are presented to the BEFAC for discussion and possible action:

i.	Room #1116 and #1222 Floor Video Ports Space Planning Needs-Russell Campus		\$ 147,976 \$ 203,555
i.	Room #1116 and #1222 Floor Video Ports		\$ 147,976
h.	Room #1116 Audio/Visual Upgrade		\$ 133,458
g.	Sound System Upgrade – Presentation Room		\$ 287,823
f.	Cubicle Reconfiguration – Permit Intake		\$ 224,954
e.	Parking Lot Gate & Controller Replacement		\$ 413,451
d.	Covered Parking		\$ 4,997,044
c.	Chiller 3 Replacement		\$ 858,314
b.	Boiler Replacement		\$ 1,257,138
a.	LED Lighting Upgrade	•	\$ 2,080,968

## CAPITAL IMPROVEMENT PROJECT UPDATE

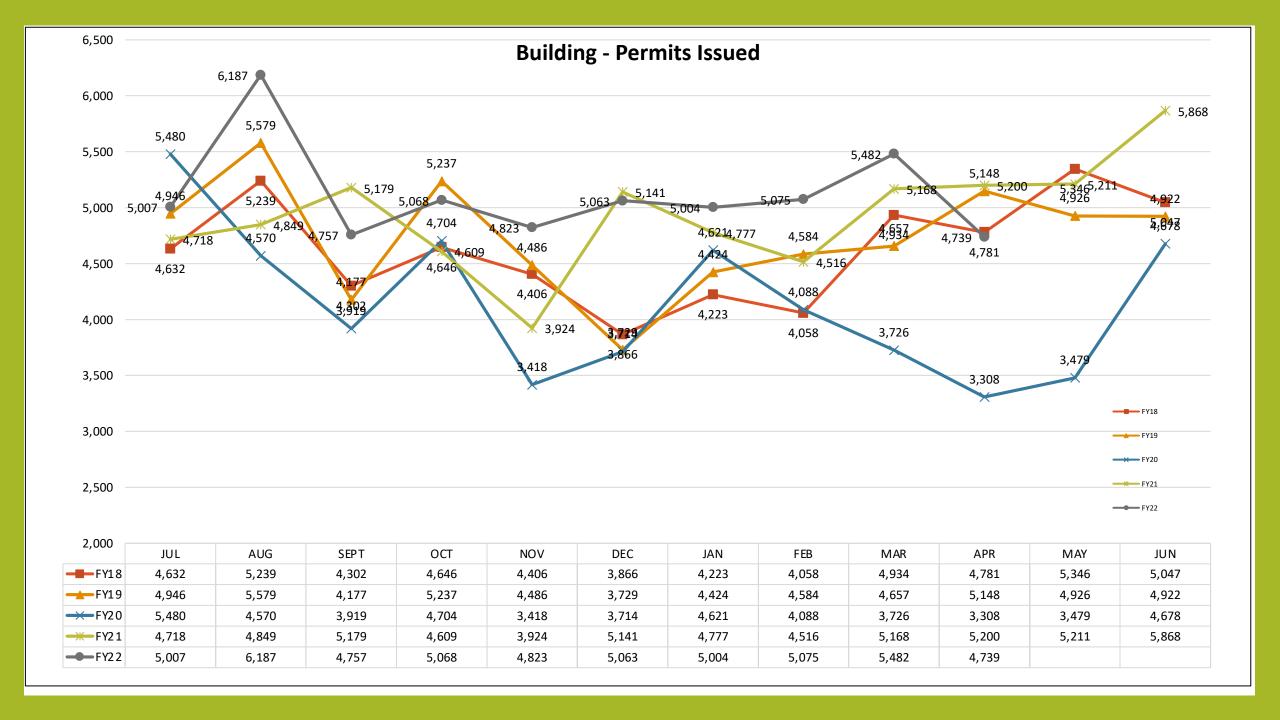
### CAPITAL IMPROVEMENT UPDATES:

Status on previously approved capital improvement projects:

- Plans Exam Restroom
- Covered Parking (Photovoltaic)
- Carpet Replacement
- ADA Code Accessibility
- Public & Employee Parking LED Light Change
- Smart TV Relocation and New Installation
- Parking Lot Assessment
- 2 Chiller Replacements
- Data Room Cooling
- Exterior Joint Sealant Replacement
- Interior Camera VMS Upgrade
- Lighting Control System Replacement

# VALUATION TABLE UPDATE

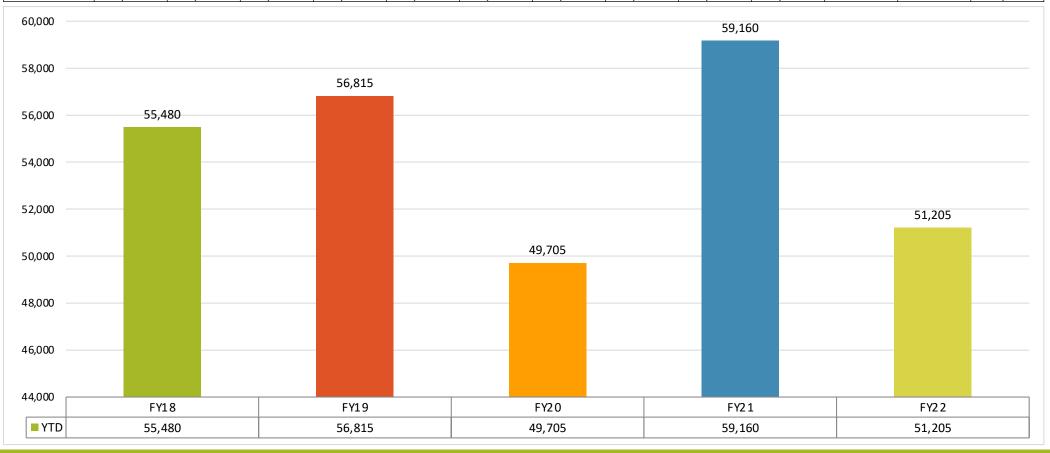
## DEPARTMENTAL PERFORMANCE DATA

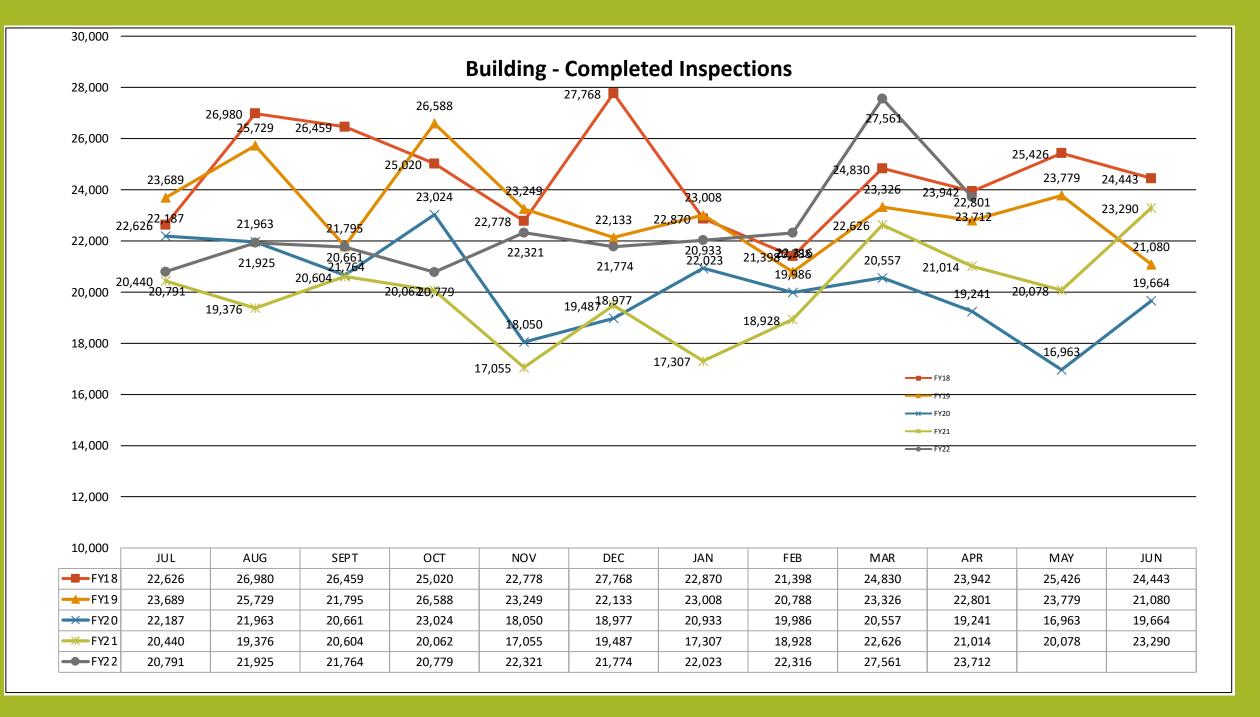


#### **Building Permits Issued - Fiscal Year Comparison**

**Through April 2022** 

	JUL	AUG	SEPT	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	YTD
FY18	4,632	5,239	4,302	4,646	4,406	3,866	4,223	4,058	4,934	4,781	5,346	5,047	55,480
FY19	4,946	5,579	4,177	5,237	4,486	3,729	4,424	4,584	4,657	5,148	4,926	4,922	56,815
FY20	5,480	4,570	3,919	4,704	3,418	3,714	4,621	4,088	3,726	3,308	3,479	4,678	49,705
FY21	4,718	4,849	5,179	4,609	3,924	5,141	4,777	4,516	5,168	5,200	5,211	5,868	59,160
FY22	5,007	6,187	4,757	5,068	4,823	5,063	5,004	5,075	5,482	4,739			51,205

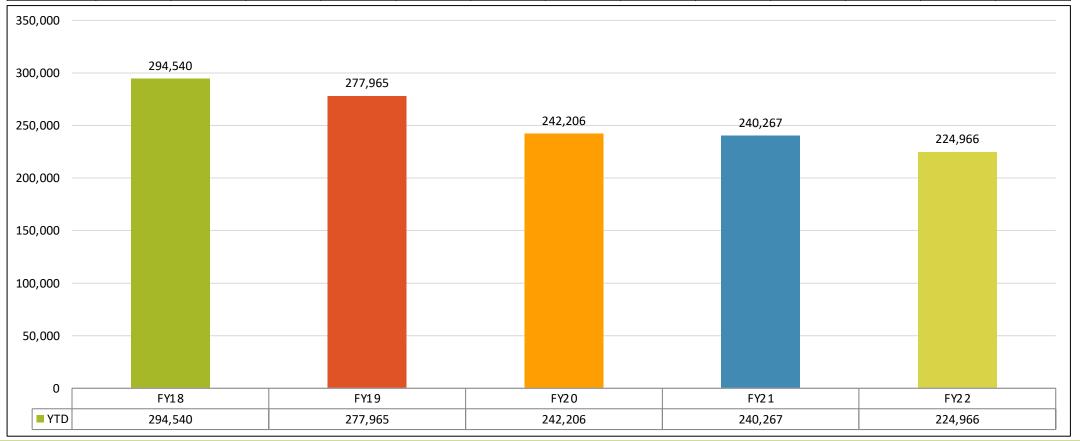




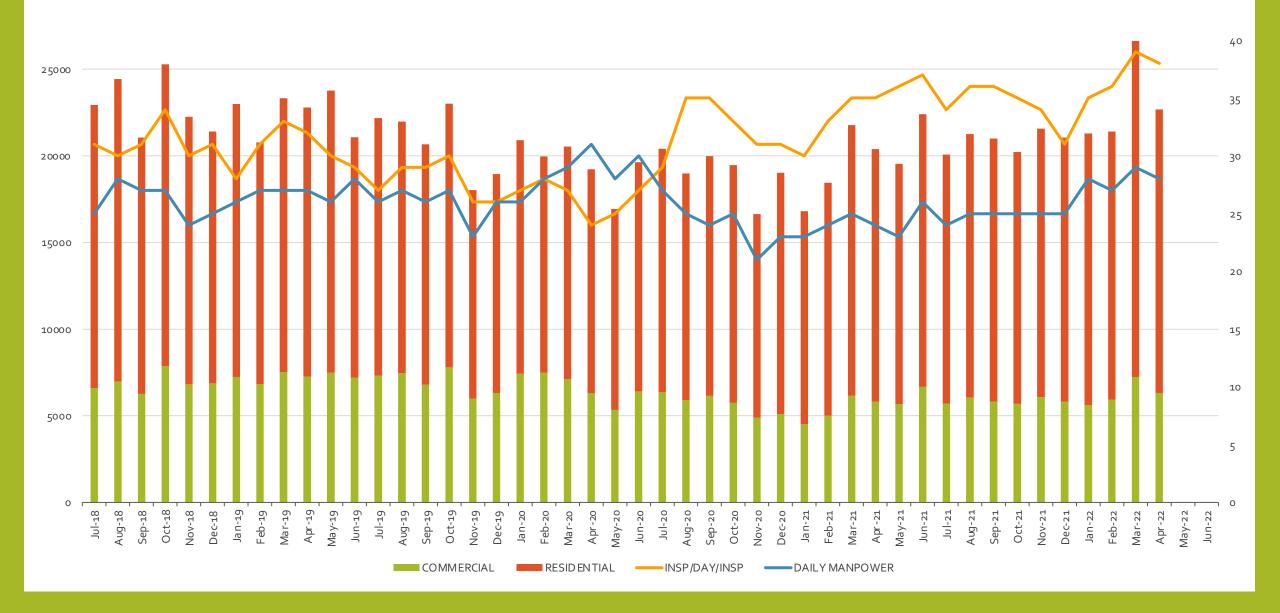
#### **Building Completed Inspections- Fiscal Year Comparison**

**Through April 2022** 

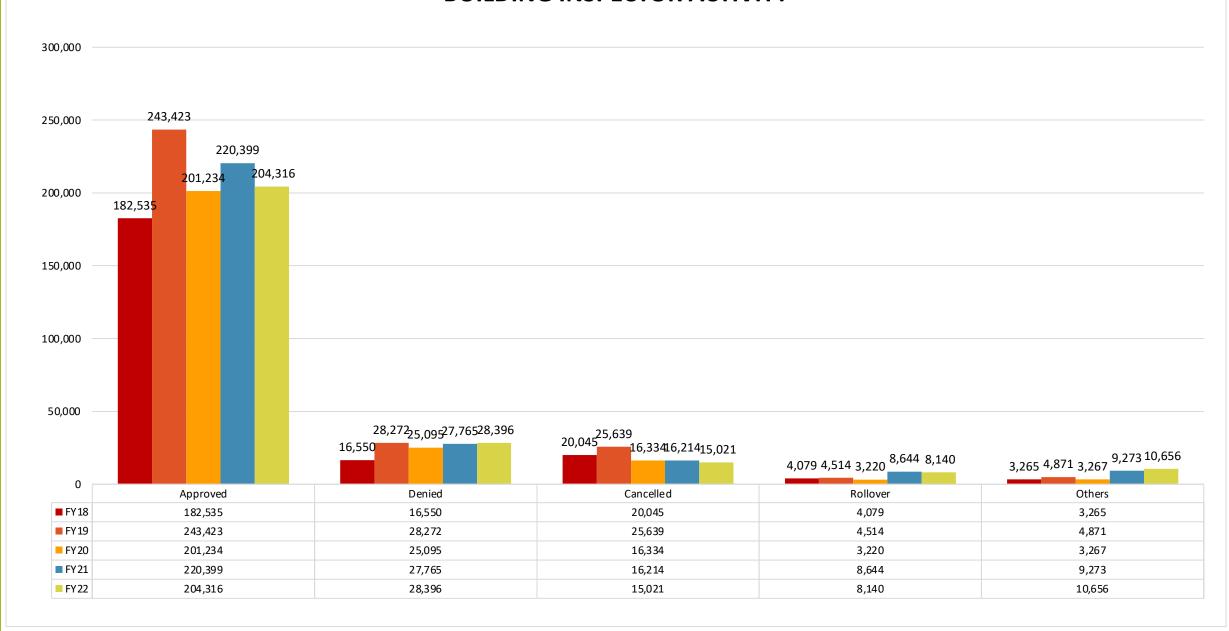
	JUL	AUG	SEPT	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	YTD
FY18	22,626	26,980	26,459	25,020	22,778	27,768	22,870	21,398	24,830	23,942	25,426	24,443	294,540
FY19	23,689	25,729	21,795	26,588	23,249	22,133	23,008	20,788	23,326	22,801	23,779	21,080	277,965
FY20	22,187	21,963	20,661	23,024	18,050	18,977	20,933	19,986	20,557	19,241	16,963	19,664	242,206
FY21	20,440	19,376	20,604	20,062	17,055	19,487	17,307	18,928	22,626	21,014	20,078	23,290	240,267
FY22	20,791	21,925	21,764	20,779	22,321	21,774	22,023	22,316	27,561	23,712			224,966





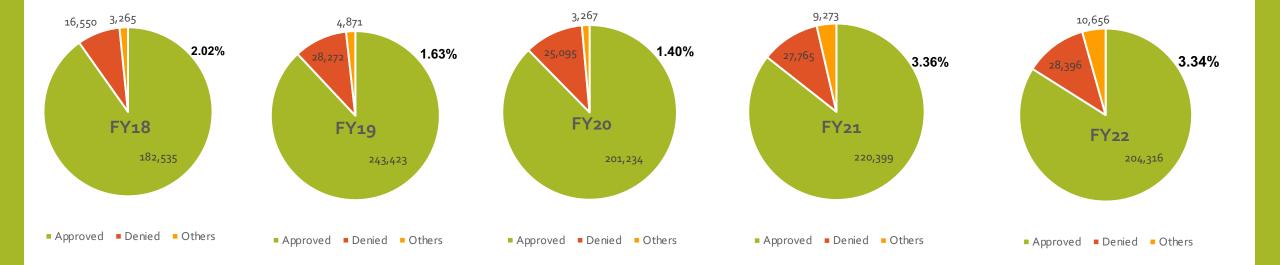


#### **BUILDING INSPECTOR ACTIVITY**



#### **BUILDING INSPECTOR ACTIVITY**Rollover Data by Fiscal Year

	FY18	FY19	FY20	FY21	FY22
Rollover Data	2.02%	1.63%	1.40%	3.36%	3.34%



# STAFFING UPDATE

#### **New Hires**

Building Permit Specialist I	11/29/2021	Nicole Cowens
Building Permit Specialist I	11/29/2021	Dani Elle Russo
Building Permit Specialist I	12/27/2021	Rosa Melo
Building Inspector I	2/22/2022	James Hedges
Building Inspector I	5/2/2022	Travis Lewis
Building Permit Specialist I	3/21/2022	Ryan Watanabe
Administrative Secretary	3/7/2022	Cedrick Wilson
Building Inspection Specialist	3/21/2022	Jessie Keller
Building Inspector I	4/18/2022	Aaron Kemper
P/T Management Assistant	2/22/2022	Katie Bradley
Senior Building Inspector	5/16/2022	Doug Petty
P/T Management Assistant	4/18/2022	Ava Arroyo

#### **Promotions**

Commercial Combination Inspector	11/29/2021	Glenn Weidman
Senior Building Inspector	12/13/2021	Ramon Carrillo
Assistant Manager Plans Exam	2/22/2022	Mary Audrey
Commercial Combination Inspector	2/22/2022	Michael Metz
Director Development Services	4/4/2022	James Gerren
Sr. Engineer/Architect	3/7/2022	Paul Simpson
Senior Building Inspector	5/16/2022	Steven Crofford
Senior Engineer/Architect	5/16/2022	Belayhun Gebretsadik

#### Offers Made Pending Background Check

Building Inspector I	Pending	Brian Forest
Part-Time	Pending	Markus Gharibian

#### **Positions in Recruitment**

10007541	Sr. Office Specialist
10007784	Associate Engineer
10007549	Associate Engineer
10007876	Associate Engineer
10007775	Building Inspector I/II
10007762	Building Inspector I/II
10040723	Building Plan Exam. Specialist
10037992	Building Plan Exam. Specialist
10036962	Building Plan Exam. Specialist
10037153	Building Plan Exam. Specialist
10007694	Fire Protection Engineer
10007701	Manager Engineering
10007780	Sr. Building Inspector
10007663	Sr. Building Inspector
10007770	Sr. Building Inspector
10007856	Sr. Engineer/Architect
10008964	Records Technician
10007611	Records Technician
10050098	Sr. Management Analyst

#### **Additional Positions Seeking Authority to Recruit**

10007703	Office Assistant II
10007704	Office Assistant II

#### **Additional Funded Positions in Holding**

10007540	Administrative Specialist
10007703	Manager Plans Exam
10007638	Assistant Director
10007774	Sr. Building Inspector
10007802	Sr. Building Inspector
10007807	Sr. Building Inspector
10007827	Sr. Building Inspector
10007829	Sr. Building Inspector

#### ECONOMIC OUTLOOK

From BEFAC Members

#### PROPOSED ITEMS FOR FUTURE AGENDA

#### DIRECTOR'S COMMENTS

## SET NEXT COMMITTEE MEETING

August 2022

# **PUBLIC COMMENT**

#### ADJOURN MEETING