



ACRE GIS Parcel Fabric Construction: Change Request: Pilot Realignment

CR Status (Completed by BHA Program Manager)

Change Request #	ACRE GIS Parcel Fabric Construction- CR-001	Version 1.0
Date Closed		
Status at Close		

CR Identification (Completed by Requestor)

Requested By	Colin Russell
Request Date	04/15/2019
Short Description	Pilot Realignment
Priority (C, H, M, L)	H
Team	GIS Parcel Fabric Construction team
Due Date	4/25/2019
Phase	Phase 3
Evaluator	Randy Mellin
Detailed Description/Justification	<p>Change/Problem Description: Pilot Realignment Phase 3 - Pilot Project area requires spatial realignment as a result of an aerial imagery issue within preliminary aerial imagery provided to BHA and used for the spatial adjustment/mapping. The spatial differences between the pilot parcels and the aerial photography vary throughout the pilot. Certain parcels have spatial accuracy problems when examining them against the full county aerials while others are in alignment.</p> <p>Assumptions:</p> <ul style="list-style-type: none"> ACRE and BHA teams are aligned based on various discussions between the teams. <p>Relative Benefit (of accepting the change request):</p> <ol style="list-style-type: none"> Pilot alignment issues will be rectified <p>Relative Cost (of rejecting the change request):</p> <ol style="list-style-type: none"> Pilot project will not be aligned to aerial imagery resulting in an unsuccessful pilot project.

CR Evaluation Results (Completed by Evaluator)

Date Evaluation Completed	
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Work Effort Impact	Estimated Total Effort (in labor hours): 360
Deliverable Impact	Other Requirements Affected: None
Schedule Impact	None (to be completed during Phase 4: Construction)
Functional/Solution Impact	None
Resource/Cost Impact	Project Plan will be revised.
Impact on Other tracks/ modules	None
Impact to Other External Systems	None
Other Comments	None
Overall Recommendation	

Scope / Execution Risk Assessment (Completed by BHA Program Manager)

Total Cost:	\$39,600	
Is this shared scope risk?	No	
Is this scope increase or decrease the overall cost to the project?	Increased Cost: \$39,600	Decreased Cost: None
ACRE Cost:	\$39,600	
BHA Absorbed Cost:	None	
BHA Non-absorbed Cost:	\$39,600	

CCB Review Results (Completed by BHA Program Manager)

CR Review Completed	4/19/2019
Review Findings	Per above
New Scope Cap/Limit	\$39,600
Other Comments	None
Overall Recommendation	Per above

Approval Signatures

BHA Project/Program Manager/Sponsor	
ACRE Project/Program Manager/Sponsor	



ACRE GIS Parcel Fabric Construction: Change Request: Pilot Project Time Extension

CR Status (Completed by BHA Program Manager)

Change Request #	ACRE GIS Parcel Fabric Construction- CR-002	Version 1.0
Date Closed		
Status at Close		

CR Identification (Completed by Requestor)

Requested By	Colin Russell
Request Date	04/15/2019
Short Description	Extension of Pilot Project
Priority (C, H, M, L)	H
Team	GIS Parcel Fabric Construction team
Due Date	4/25/2019
Phase	Phase 3
Evaluator	Randy Mellin
Detailed Description/Justification	<p>Change/Problem Description: The duration of the pilot project was extended from a four-month duration to a ten-month duration. During the pilot project, BHA and ACRE defined the methodologies required to meet the project requirements. The duration of the pilot project was extended to:</p> <ol style="list-style-type: none"> 1. Allow ACRE and BHA to better define the spatial accuracy requirements based on the delivery of the Pilot project 2. Allow BHA and ACRE to refine the methodology and tools necessary to meet Assessor map requirements and to meet CA 215 and ACRE map standards 3. Refinement of raw data mapping procedures to ensure necessary outputs while providing ACRE the data required to complete UAT <p>Assumptions:</p> <ul style="list-style-type: none"> • ACRE and BHA teams are aligned based on various discussions between the teams. <p>Relative Benefit (of accepting the change request):</p> <ol style="list-style-type: none"> 1. Spatial accuracy will meet accuracy requirements defined by ACRE during the Pilot Project 2. Assessor map will meet CA 215 and ACRE standards 3. Better refinement of the raw data requirements <p>Relative Cost (of rejecting the change request):</p> <ol style="list-style-type: none"> 1. Spatial accuracy of Pilot Area will not meet the requirements defined during the pilot project. . 2. Assessor map outputs will not meet CA 215 and ACRE standards



	3. Potential rework of completed areas
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CR Evaluation Results (Completed by Evaluator)

Date Evaluation Completed	
Work Effort Impact	Estimated Total Effort (in labor hours): 2664
Deliverable Impact	Accuracy Requirements for the entire project improved Raw Data requirements (Delivery A)
Schedule Impact	Project timeline extended by 6 months
Functional/Solution Impact	None
Resource/Cost Impact	See below
Impact on Other tracks/ modules	None
Impact to Other External Systems	None
Other Comments	None
Overall Recommendation	

Scope / Execution Risk Assessment (Completed by BHA Program Manager)

Total Cost:	\$293,000	
Is this shared scope risk?	No	
Is this scope increase or decrease the overall cost to the project?	Increased Cost: 293,000	Decreased Cost:
ACRE Cost:	\$73,250	
BHA Absorbed Cost:	\$219,750	
BHA Non-absorbed Cost:	\$73,250	

CCB Review Results (Completed by BHA Program Manager)

CR Review Completed	4/19/2019
Review Findings	Per above
New Scope Cap/Limit	\$73,250
Other Comments	None
Overall Recommendation	Per above

Approval Signatures

BHA Project/Program Manager/Sponsor	
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ACRE Project/Program Manager/Sponsor	
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ACRE GIS Parcel Fabric Construction: Condominium COGO Proof of Concept

CR Status (Completed by BHA Program Manager)

Change Request #	ACRE GIS Parcel Fabric Construction- CR-003	Version 1.0
Date Closed		
Status at Close		

CR Identification (Completed by Requestor)

Requested By	Colin Russell
Request Date	04/15/2019
Short Description	Condominium COGO Proof of Concept
Priority (C, H, M, L)	H
Team	GIS Parcel Fabric Construction team
Due Date	4/25/2019
Phase	Phase 4
Evaluator	Randy Mellin
Detailed Description/Justification	<p>Change/Problem Description: Condominium Mapping Accuracy Requirements Proof of Concept (Pilot and Areas 01 - 04)</p> <p>The proof of concept (POC) was requested by ACRE to validate the optimum methodology to construct the condo parcels (COGO vs. Digitization). It was agreed that BHA will COGO condo parcels for the Pilot Area and Areas 1 - 4 as part of the POC in order to determine whether COGO level is accuracy required for Condo parcels or not.</p> <p>Assumptions:</p> <ul style="list-style-type: none"> ACRE and BHA teams are aligned based on various discussions between the teams.

CR Evaluation Results (Completed by Evaluator)

Date Evaluation Completed	
Work Effort Impact	Estimated Total Effort (in labor hours): 660
Deliverable Impact	Other Requirements Affected: None



Schedule Impact	None
Functional/Solution Impact	None
Resource/Cost Impact	See below
Impact on Other tracks/ modules	None
Impact to Other External Systems	None
Other Comments	None
Overall Recommendation	

Scope / Execution Risk Assessment (Completed by BHA Program Manager)

Total Cost:	\$73,030	
Is this shared scope risk?	No	
Is this scope increase or decrease the overall cost to the project?	Increased Cost: \$73,030	Decreased Cost: None
ACRE Cost:	\$36,515	
BHA Absorbed Cost:	\$36,515	
BHA Non-absorbed Cost:	\$36,515	

CCB Review Results (Completed by BHA Program Manager)

CR Review Completed	4/19/2019
Review Findings	Per above
New Scope Cap/Limit	\$36,515
Other Comments	None
Overall Recommendation	Per above

Approval Signatures

BHA Project/Program Manager/Sponsor	
ACRE Project/Program Manager/Sponsor	



ACRE GIS Parcel Fabric Construction: Spatial Accuracy Requirement Refinement Areas 01-16

CR Status (Completed by BHA Program Manager)

Change Request #	ACRE GIS Parcel Fabric Construction- CR-004	Version 1.0
Date Closed		
Status at Close		

CR Identification (Completed by Requestor)

Requested By	Colin Russell
Request Date	04/15/2019
Short Description	Spatial Accuracy Requirement Refinement Areas 01-16
Priority (C, H, M, L)	H
Team	GIS Parcel Fabric Construction team
Due Date	4/25/2019
Phase	Phase 4
Evaluator	Randy Mellin
Detailed Description/Justification	<p>Change/Problem Description: Spatial Accuracy Requirement Refinement During Phase 3, BHA and ACRE better defined the Spatial Accuracy Requirement Refinements to be used for this project. In order to achieve the requirements, BHA has adjusted spatial adjustment procedures. The new procedures involve grouping parcels within a subdivision into groups based on rights-of-way boundaries then performing spatial adjustment against individual sets of parcels. The changes include putting more of the adjustment error into the right-of-way rather than more traditional methods of putting more error within the parcels. This accuracy requirement exceeds the IAAO (International Association of Assessing Office) recommended GIS parcel accuracy of 2.5% of scale.</p> <p>Assumptions:</p> <ul style="list-style-type: none"> ACRE and BHA teams are aligned based on various discussions between the teams. <p>Relative Benefit (of accepting the change request):</p> <ol style="list-style-type: none"> Spatial accuracy will meet ACRE accuracy requirements defined during the Pilot Project <p>Relative Cost (of rejecting the change request):</p> <ol style="list-style-type: none"> Spatial accuracy will be compromised.



CR Evaluation Results (Completed by Evaluator)

Date Evaluation Completed	
Work Effort Impact	Estimated Total Effort (in labor hours): 1452
Deliverable Impact	Other Requirements Affected:
Schedule Impact	None
Functional/Solution Impact	None
Resource/Cost Impact	See below
Impact on Other tracks/ modules	None
Impact to Other External Systems	None
Other Comments	None
Overall Recommendation	

Scope / Execution Risk Assessment (Completed by BHA Program Manager)

Total Cost:	\$159,750	
Is this shared scope risk?	No	
Is this scope increase or decrease the overall cost to the project?	Increased Cost: \$159,750	Decreased Cost: None
ACRE Cost:	\$159,750	
BHA Absorbed Cost:	None	
BHA Non-absorbed Cost:	\$159,750	

CCB Review Results (Completed by BHA Program Manager)

CR Review Completed	4/19/2019
Review Findings	Per above
New Scope Cap/Limit	\$159,750
Other Comments	None
Overall Recommendation	Per above

Approval Signatures

BHA Project/Program Manager/Sponsor	
ACRE Project/Program Manager/Sponsor	