

1 INTERNATIONAL PARTNERING INSTITUTE (IPI) 2 STANDARD PARTNERING SPECIFICATION 3 AVIATION CONSTRUCTION (LEVELS 1-5) 4 5 **DIVISION 1 - PARTNERING REQUIREMENT AND PROCESS** 6 7 <u>SECTION 1 - GENERAL</u> 8 9 The purpose of this specification is to outline a structured process designed to develop 10 a collaborative environment for your project so that communication, coordination, and 11 cooperation are the norm. This Collaborative Partnering approach will aid issue 12 resolution and will lessen impacts on project budget, schedule, and quality. 13 14 (This Owner) works in a collaborative and cooperative manner with all project stakeholders including the Prime Contractor or Design/Builder (Contractor), all 15 16 subcontractors, all project architects, and engineers; material suppliers, specialty 17 consultants, vendors, representatives of other agencies and the community at large. 18 Partnering is our way of doing business. In executing the contract associated with this 19 specification, each stakeholder agrees that they will actively and enthusiastically 20 participate in the Collaborative Partnering process defined here. Contractor agrees that 21 all subcontractors, material contractors and other entities within its contractual control 22 will participate in the Partnering process as required. Contractor will make this a specific 23 contractual condition for all sub-contractors, material suppliers, and other entities 24 working on this project. The Architect and/or Engineer for this project and any other 25 consultants engaged in this project have agreed to participate in the Partnering process 26 as defined here. 27 28 Formal Collaborative Partnering for this project will start within 30 days of the Notice to 29 Proceed and will include these elements (defined in Section 3): 30 31 1. A mutually agreed, IPI Certified Professional Partnering Facilitator 32 2. A "Partnering Charter", which includes the joint development of goals 33 3. A periodic, joint evaluation process 34 4. Executive Level, Core Team, and Stakeholder Partnering 5. A Partnering Follow-up Plan to resolve potential problems at the lowest possible 35 36 level 37 6. Key project leaders are IPI Certified Project Leaders



Participation in the formal Partnering process defined here will not void any contract part. All rights and remedies defined by the final contract will be preserved.

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### **SECTION 2 - DESCRIPTION**

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### A. Definitions

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Project Team: the group of people and organizations who are executing a
construction project and who have influence on the outcome. The Project Team is
comprised of the <u>Owner/Owners Rep</u>, the Owner's Consultants, the <u>Contractor</u>,
the Designer, the sub-contractor(s), and other stakeholders including
Government agencies, tenants, materials suppliers, concessionaires, and third
parties affected by the construction project.

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2. Partnering: an effort by the <u>Project Team</u> to develop joint goals and to establish a cooperative atmosphere regarding execution of the construction project, regardless of delivery method.

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3. Multi-Tiered Partnering: For large, complex projects, the participants in partnering workshops will be divided into subgroups: Executive Level, Core Team, and Stakeholder Level.

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a. Executive Level Partnering: workshops involving Executive representatives from the Owner, Contractor, and key Subs who serve as a "project board of directors" to steer the project.

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b. Core Team Partnering: workshops involving the central group responsible for the successful execution of the project as well as key individuals who are on the project throughout its duration. Typically, field-level Project Managers (PMs) and Superintendents from the owner, contractor, design, subs, key third-parties and stakeholder groups attend these sessions. Representatives from Executive Level Partnering should also attend to ensure commitments and follow through.

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c. Stakeholder Level Partnering: workshops that include those internal and external stakeholders who own, operate or maintain the new facility and external stakeholders who can directly influence the project outcomes such as maintenance, facility operators, key suppliers, funders, utilities, and internal units (e.g. hydrology, soils, traffic, etc.)

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4. Project Team Leaders: Project Managers (PMs) from both the Owner and Contractor who are accountable for the day-to-day operations of the project and are responsible for leading the partnering effort. They will also be in charge of coordinating project Partnering meeting times, selecting meeting locations and other logistics.

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- B. The Goals of Partnering are:
  - 1. Use early and frequent communication with project stakeholders.
- Develop and maintain a relationship based on shared trust, mutual respect and commitment.
  - 3. Identify, quantify, and support attainment of co-created goals.
  - 4. Establish strategies for implementing risk management concepts and identify potential project efficiencies.
  - 5. Use timely communication and decision-making.
  - 6. Resolve potential problems at the lowest possible level to avoid negative impacts on the project.
  - 7. Hold periodic partnering meetings and workshops throughout the life of the project to maintain the benefits of a partnered relationship.
  - 8. Establish periodic joint evaluations of the partnering process and attainment of mutual goals.

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# <u>SECTION 3 – PARTNERING IMPLEMENTATION</u>

Partnering will be initiated and implemented in accordance with the IPI Aviation Matrix (see full size matrix p. 11)

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	Risk Factors*					Recommended Partnering Structure and Elements	Expected Benefits and Approximate Cost to Owner**
.evel	Project Value	Complexity	Political Significance	Relationships	Desired Level of Engagement		
	Very Large/Mega (airport terminal, hotels, parking structures, etc.) (\$250M-\$500M+)	Highly Technical and Complex Design and Construction, Public Private Partnership	High Visibility/oversight Significant strategic project	New Project Relationships including new contractors, sub, agencies, third-parties, CM, PPP, high turnover rate of subs or other high potential for conflict (strained relationship, previous litigation, or high probability of claims)	Very High	Professional neutral facilitator Key project Leaders are IPI Certified Project Leaders (required) Project charter Multi-Seed Partnering (executive- core team - stakeholder) Muntity Partnering meetings (design brough construction) Special task Forces for specific issue resolution Stakeholder on-boarding/GR-sounding Monthly surelys Executive spensorship Field-level decision making Dispute resolution taider Facilitated dispute resolution	Very high accountability, Issues tracked and decisions made timely, Momentum maintained as progress continues in spi of issues that airse Approx. \$20,000 - \$25,000/qtr.
4	Large (new design, new contracting method [D/B, CMAR, or other], or challenging nehabilitation/renouation) (\$25M-\$250M)	High Complexity (short timeline/schedule constraints, uncommon materials, new supply chain, baggage handling, controls projects, aircraft bridge, etc.)	Probable - Organizational image at stake	Public Private Partnership (PPP), multi-prime contract, new contractors or CM, new subs/relationships	High	Professional neutral facilitator Key Project Leaders IPI Certified Project Leaders (required) Project charter Multi-stend Partnering (executive-core team - stakeholder) Quarterly Partnering meetings (design through construction) Stakeholders or-boarding off-boarding Sudcontractor on-boarding off-boarding Monthly surges of the project	More timely decision-making in field, Stakeholders phased in and out, Designers invoked throughout process Approx. \$10,000-\$15,000/qtr.
3	Medium (\$10M - \$25M)	Increased Complexity	Likely, depending on the size of the client and place of importance	Established relationships New CM, subs, agencies, or other key stakeholders	Moderate/High (seeking risk mitigation and project efficiencies)	Professional neutral facilitator Key project Leaders are IPI Certified Project Leaders (recommended) Quarterly partnering meetings Project charter Monthly scorecards Executive and core team Partnering Executive and core team Partnering Executive sponsorship Field-level decision making Inclusion of stakeholders Dispate resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved safety, Improved schedule, On or under budget Approx. \$5,000 - \$10,000/qtr.
2	Small (\$5M - \$10M)	Moderate Complexity (ongoing operations)	Unlikely, unless in a place of importance	Established relationships New subs New Agencies New Stakeholders	Moderate (seeking risk mitigation and project efficiencies)	Professional neutral facilitator <u>for kick-off</u> (minimum) Project charter 2 Project suneys (minimum) Executive sponsorship Fleid-level decision making Inclusion of stakeholders Dispute resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved Safety, Improved Schedule, On or under budget Approx. \$5,000 - \$10,000/qtr.
1	Micro/Short Duration (\$0-\$5M)	Standard Complexity	Unlikely, unless in a place of importance	Established relationships New subs New agencies New stakeholders	Low to Moderate for small budget and/or short timeline projects, Partnering can reduce risk and focus on project efficiencies	Professional neutral facilitator optional Project charter Executive sponsorship Flield-level decision making Inclusion of stakeholders Dispute resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved safety, Improved schedule, On or under budget Approx. \$1,000 - \$7,000/qtr.

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A. Selecting an IPI Certified Professional Neutral Partnering Facilitator

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For Levels 5, 4, 3, and 2 projects and high risk Level 1 (Micro) projects

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1. The <u>Contractor</u> agrees that an IPI Certified Independent Professional Neutral Partnering Facilitator (<u>Facilitator</u>) will be retained to facilitate the project Partnering process. Professional Facilitation is required by the Owner for any project larger than \$10M and will be used regularly throughout this job (outlined in Section 3 - Part D).

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(Owner/Owner's Rep), Designer/Architect, and the Contractor Rep will
cooperatively select a Facilitator that offers the service of a monthly partnering
evaluation survey with a 5-point rating scale and agrees to follow IPI's
"Partnering Facilitator Standards and Expectations" available at The IPI
Partnering Toolbox Website.

## B. IPI Certified Project Leaders

- 1. Key project leaders are to be IPI Certified Project Leaders. This includes:
  - a. For Levels 5 and 4 Projects, all Project Managers, Superintendents, and Inspectors, from the owner, contractor, designer, Construction Manager, and key Subcontractors (subs providing 10% or more of the work), are required to hold a valid IPI Project Leader Certification.
  - b. For Level 3 Projects, all Project Managers, Superintendents, and Inspectors, from the owner, contractor, designer, Construction Manager, and key Subcontractors (subs providing 10% or more of the work), are recommended to hold a valid IPI Project Leader Certification.
- 2. Certifications are valid for 3 years from the time of issuance.
  - a. Information and application for the IPI Project Leader Certification can be found at <a href="https://PartneringInstitute.org/Project-Leader-Certification">https://PartneringInstitute.org/Project-Leader-Certification</a>.

### C. Partnering Initiation

1. To initiate the Partnering arrangement, the <u>Project Team</u> will conduct an open discussion prior to the start of the job to select the <u>Facilitator</u>. It is expected that, at the conclusion of the initial discussion, the parties will express a consensus regarding, the <u>Facilitator</u> and, among other things, the respective goals in completing the contract.

Thereafter, the Project Team will continue discussions as necessary and will conduct periodic joint evaluations of performance throughout the life of the contract as outlined below. It is expected that the parties will use the services of the Facilitator not only at the initial partnering workshop, but also to assist in later discussions.

2. In leading the ongoing Partnering effort, Project Team Leaders will schedule the initial partnering workshop. All relevant stakeholders will be expected to attend and participate.



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- 154 The Project Team Leaders will also:
- a. Identify the initial suitable workshop site and duration. Note that it is typical for Level 1 and 2 projects to have between 8 and 25 attendees and for Level 3, 4, and 5 projects to include in excess of 40 to 50 individuals.
  - b. Come to consensus on other workshop administrative details.
  - c. Agree to additional partnering workshops and sessions throughout the life of the project. Frequency will be determined by (Owner/Owner's Rep) as outlined in Section 3.D.2.c. However, it is expected that there will be at least quarterly partnering workshops that will involve all relevant stakeholders.
  - d. Agree to conduct a project close-out partnering workshop.
  - e. Agree to document lessons learned as a condition of final project acceptance.

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D. Developing the Partnering Charter (All Levels)

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In implementing project partnering, the project team will agree to create a "Partnering Charter" that includes the agreed-on mutual goals, the Partnering Follow-up Plan, the Partnering Dispute Resolution Plan, and the signed Team Commitment signature page, explained in detail below:

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- 1. Agreed-on mutual goals, which will include the core project goals and may also include project-specific goals and mutually supported individual goals.
  - a. The mandatory core goals are that the Project is constructed (at minimum):
- i. On time
  - ii. On budget
  - iii. Safely
  - iv. Quality Met
  - b. Optional project-specific goals include win a Partnering 175 Award, team trust, excellent communication with local community (zero complaints), effective communication with Media, mitigation of project risks (e.g. environmental requirements met, stakeholder interests understood and managed, etc.).

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- 2. The Partnering Follow-up Plan
  - a. Attendees:

For Levels 5 and 4 Projects, Partnering will be established in three groups:

i. Executive Level: Executive Representatives from Owner, Prime, and key Subs - role is to steer the project.



191		Team: Project Managers and Superintendents working at the field-
192 193		from owner, contractor, design, subs and key third-parties and eholder groups.
193 194		eholder Level: Identifying key trades, staged subcontractors and
195		nts prepared for scheduling work and later, building activation
196		cessionaires, security, IT, external stakeholders, etc.).
197	(0011)	bessionalies, security, 11, external stakeholders, etc. j.
198	h Forley	els 3, 2, and 1 Projects, Partnering will be established in two groups:
199		cutive Level: Executive Representatives from Owner, Prime, and key
200		s – role is to steer the project.
201		Team: Project Managers and Superintendents working at the field-
202		from owner, contractor, design, subs and key third-parties and
202		eholder groups.
204	Starc	molder groups.
205	c Frequen	ncy of Partnering Sessions:
206	•	els 5 and 4 Projects, the team will conduct joint Partnering Meetings
207		intervals:
208		ugh Design: Quarterly or at key milestones (e.g. Schematic Design,
209		gn Documents, and Construction Documents).
210		ugh Construction and Building Activation: Monthly Partnering
211		sions with the Executive, Core Team, and Stakeholder Level.
212		Design/Build, CM at Risk, or other delivery methods, frequency may
213		ase over the course of the project.
214	111010	add ever the education that projects
215	For Leve	el 3, 2, and1 Projects, the team will conduct joint Partnering Meetings
216		intervals:
217		ugh Design: Quarterly or at key milestones (e.g. Schematic Design,
218		gn Documents, and Construction Documents).
219	·	ugh Construction and Building Activation: Quarterly Partnering
220		sions with the Executive and Core Teams as needed.
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222	3. Partnering I	Dispute Resolution Plan (All Levels)
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224	The goal of	the project Dispute Resolution process is to prevent conflicts from
225	ū	roject momentum and causing slowing the project down. It is the
226	٠.	pectation that issues not effectively settled at the Field Level will
227	•	ording to the Dispute Resolution Ladder (sample below). The goal is
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that project momentum can be maintained while a decision is reached by the



next layer of Project Management, who can rely on a broader project perspective in decision making.

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The Dispute Resolution process is bisected into two-sections, Project Team-driven Dispute Resolution and 3rd party Driven Dispute Resolution. As the Project Team progresses from less formal to more formal dispute resolution processes, it is important to understand that decision-making shifts from the project team, to 3rd party experts. The team will be expected to select and document planned Dispute Resolution processes during the kick-off Partnering session. (Please visit the IPI Partnering Field Guide for a detailed explanation of the various forms of Alternative Dispute Resolution).

Certified Construction Partnering Facilitator (Facilitator) helps the team

negotiate disputed issues. In FDR, the Project Team discusses project

providing settlement options. Often, Project Teams are provided 20 days

issues and the Facilitator serves as a Neutral, offering opinions and

to conduct this process. (Please refer to Section 5 for details).

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a. Project Team Dispute Resolution

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i. Field-Level Negotiation

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ii. Dispute Resolution Ladderiii. Facilitated Dispute Resolution (FDR) is a meditative process where the IPI

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### **Sample Dispute Resolution Ladder**

	Architect/Engineer	Suppliers/Subs	
	Owner	Contractor	Time to Elevate
Level I	Assistant Supervisor or Engineer	Foreman	End of shift
Level II	Project Superintendent or Project Engineer	Superintendent, General Foreman, or Project Manager	Up to 1 day
Level III	Construction Manager	Project Manager Area Manager	1 week
Level IV	Project Director or Program Manager	Area Manager Owner	2 weeks
Level V	Director of Facilities Department or Manager of Capital Programs	Owner	2 weeks
Level IV	Board of Directors or Supervisors	Owner	Select next form of Alternative Dispute Resolution (Typically FDR followed by the DRA/DRB)

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# b. 3rd Party-Driven Dispute Resolution

- i. Dispute Review Board or Dispute Resolution Advisor a panel of construction experts review a claim and render a non-binding, 3rd party decision to the Project Team. Additional time is granted to the team to engage in this process and make final decision.
- ii. Mediation Prior to Litigation, a Project Team may elect to attempt Mediation, a voluntary, consensual, and confidential process involving attorneys and a 3rd Party Neutral with expertise in Dispute Resolution and/or Construction Litigation.
- iii. Arbitration Prior to litigation, a Project Team may elect Arbitration, a short-form, contracted, dispute resolution option, where Parties in dispute present to a panel of 3 subject matter experts who render a final decision with limited appeal options.

#### c. Litigation

- i. Mini-Trials: short form Court Preceding for claims litigation that attempts to reduce cost of full civil trial.
- ii. Traditional Civil Trial.

2. Team commitment statement and signature document.

#### E. Partnering Evaluation

- 1. Owner, contractor, major sub-contractors, architects and engineers, and major stakeholders will participate in monthly partnering evaluation surveys to measure progress on mutual goals and short-term key issues as they arise.
  - a. Partnering Evaluations will be collected by Facilitator.
- b. Results will be shared with project team (best practice is on a monthly basis).
  - Owner, Contractor, major sub-contractors, and major stakeholders will evaluate the partnering facilitator using IPI Forms (IPI-E1 and IPI-E2). The (Owner/Owner's Rep) will provide the evaluation forms to the project team and collect the results.
  - 3. (Owner/Owner's Rep) will make evaluation results available upon request.
- 4. Facilitator evaluations must be completed twice:
  - a. At the end of the initial partnering workshop on Form IPI-E1.



290	b. At the end of the <b>project close-out partnering workshop</b> on Form IPI-E2.
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292	SECTION 4 – PARTNERING PAYMENT
293 294	A. The (Owner/Owner's Rep) agrees to pay:
29 <del>4</del> 295	1. 100% of cost for:
293 296	a. Facilitator workshop and session-based costs
297	b. Monthly partnering evaluation survey service cost
298	b. Working Standard Sarvey Corvice Cock
299	B. Payment amount will be based on invoice prices minus any available or offered
300	discounts. Owner/Owner's Rep will not pay markup on these costs.
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302	C. (Owner/Owner's Rep) does not pay for wages, travel expenses, or other costs
303	associated with the Partnering workshops and sessions, monthly partnering
304	evaluation surveys, and IPI Project Leader Certification.
305	
306	SECTION 5 – PARTNERING DISPUTE RESOLUTION
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308	A. (Owner/Owner Rep) will encourage the project team to use all forms of Project
309	Team-Driven Dispute Resolution prior to engaging a neutral 3rd party. When the
310	Project-Team is unable to resolve the issue, a Facilitated Dispute Resolution (FDR)
311 312	session may be an effective method for clarifying issues and resolving all or part of a dispute.
313	dispute.
314	B. In order to ensure the project team has sufficient time to plan and hold an FDR
315	session, a maximum of 20 days may be added to the Dispute Review Board (DRB)
316	referral time following the Owner's written response to a supplemental notice of
317	potential claim.
318	·
319	C. In order to be granted this additional referral time, the project team must document
320	its intention in to use FDR in the Dispute Resolution Plan of the Partnering Charter.
321	The team may also document agreements for other associated criteria to be met in
322	order to access the additional referral time in the Dispute Resolution Plan. If no
323	session is held, the DRB referral time will remain in effect as specified in the Dispute
324	Resolution Plan (See Section 3- part C for details).
325	End of Specification

### Standard Partnering Specification Aviation Construction (Levels 1-5)



#### IPI Aviation Construction Project Partnering Scalability Matrix

Scale your Partnering:

In order to determine the level of Partnering that you should apply to your construction project, take a moment to collaboratively assess your project risk factors. The higher the risk, the more intensive your Partnering efforts should be. When in doubt, scale your

	Risk Factors*				Recommended Partnering Structure and Elements	Expected Benefits and Approximate Cost to Owner**	
Level	Project Value	Complexity	Political Significance	Relationships	Desired Level of Engagement		
5	Very Large/Mega (airport terminal, hotels, parking structures, etc.) (\$250M-\$500M+)	Highly Technical and Complex Design and Construction, Public Private Partnership	High Visibility/oversight Significant strategic project	New Project Relationships including: new contractors, sub, agencies, third-parties, CM, PPP, high turnover rate of subs or other high potential for conflict (strained relationship, previous litigation, or high probability of claims)	Very High	Professional neutral facilitator Key project Leaders are IPI Certified Project Leaders (required) Project charter Multi-tiered Partnering (executive- core team - stakeholder) Monthly Partnering meetings (design through construction) Special task Forces for specific issue resolution Stakeholder on-boarding/off-boarding Subcontractor on-boarding/ off-boarding Monthly sunveys Executive sponsorship Field-level decision making Dispute resolution ladder Facilitated dispute resolution	Very high accountability, Issues tracked and decisions made timely, Momentum maintained as progress continues in spite of issues that arise Approx. \$20,000 - \$25,000/qtr.
4	Large (new design, new contracting method [D/B, CMAR, or other], or challenging rehabilitation/renovation) (\$25M-\$250M)	High Complexity (short timeline/schedule constraints, uncommon materials, new supply chain, baggage handling, controls projects, aircraft bridge, etc.)	Probable - Organizational image at stake	Public Private Partnership (PPP), multi-prime contract, new contractors or CM, new subs/relationships	High	Professional neutral facilitator Key Project Leaders IPI Certified Project Leaders (required) Project charter Multi-tiered Partnering (executive- core team - stakeholder) Quarterly Partnering meetings (design through construction) Stakeholder on-boarding/off-boarding Subcontractor on-boarding/ off-boarding Monthly surveys Executive sponsorship Field-level decision making Dispute resolution ladder Facilitated dispute resolution	More timely decision-making in field, Stakeholders phased in and out, Designers involved throughout process Approx. \$10,000-\$15,000/qtr.
3	Medium (\$10M - \$25M)	Increased Complexity	Likely, depending on the size of the client and place of importance	Established relationships New CM, subs, agencies, or other key stakeholders	Moderate/High (seeking risk mitigation and project efficiencies)	Professional neutral facilitator Key project Leaders are IPI Certified Project Leaders (recommended) Quarterly partnering meetings Project charter Monthly scorecards Executive and core team Partnering Executive sponsorship Field-level decision making Inclusion of stakeholders Dispute resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved safety, Improved schedule, On or under budget Approx. \$5,000 - \$10,000/qtr.
2	Small (\$5M - \$10M)	Moderate Complexity (ongoing operations)	Unlikely, unless in a place of importance	Established relationships New Subs New Agencies New Stakeholders	Moderate (seeking risk mitigation and project efficiencies)	Professional neutral facilitator for kick-off (minimum) Project charter 2 Project suneys (minimum) Executive sponsorship Field-level decision making Inclusion of stakeholders Dispute resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved Safety, Improved Schedule, On or under budget Approx. \$5,000 - \$10,000/qtr.
1	Micro/Short Duration (\$0-\$5M)	Standard Complexity	Unlikely, unless in a place of importance	Established relationships New subs New agencies New stakeholders	Low to Moderate for small budget and/or short timeline projects, Partnering can reduce risk and focus on project efficiencies	Professional neutral facilitator optional Project charter Executive sponsorship Field-level decision making Inclusion of stakeholders Dispute resolution ladder Facilitated dispute resolution	Increased predictability, Reduced (zero) claims, Improved safety, Improved schedule, On or under budget Approx. \$1,000 - \$7,000/qtr.
	*Risk factors will vary by project. Though these are the most common, additional factors should be considered if necessary.					**Cost of facilitation based on \$6,000/day and \$750 per scorecard Please note that daily rates for facilitators can vary widely	