TECHNICAL EVALUATION | CONSENSUS WORKSHEET

PROPONENT:	TNext	FINAL GRADE:	63.61%	REVISED/VALIDATED GRADE:	67.27%
DATE:	Start: 27 Sep 2018, 2:10pm	FINAL SCORE:	318.05	REVISED/VALIDATED SCORE	336.35
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		Maximum Points	Consensus Grade	Positive an
1.0 General T	echnical Submission			
1.1 Project	Management Plan (maximum of 30 pages, excluding curriculum vitae)			
1.1.1	General Approach – Project Management Plan	15	70%	
				Positive attributes Proposed Design Architect and S individuals with relevant experience Negative attributes M&R Director has no previous ex- complexity (no previous experie Schedule 9 requires a minimum of of vehicles, systems and/or infras Design Manager's resume doe described projects was similar in s Systems Integration Manager has the proposed role. PA Schedule 9 in systems design, requirement management, integration manager and procedure development, the commissioning."
				The Communications and Staker the 10 years' experience require experience). PA Schedule 9 requi

and Negative attributes

Safety and Security Manager are strong key ence.

experience in projects of similar scope and ience working on a maintenance site). PA of 15 years' experience in the maintenance astructure.

hes not demonstrate that his role in the n scope and complexity to the Trillium Line.

as significant industry experience but none in 9 requires "*minimum* of 15 years' experience nents traceability, interface capture and gement plan development, systems test plan test program management and systems

eholder Engagement Director does not have red in Schedule 9 (only seven years overall uires "*minimum 10 years*' *experience leading*

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			Maximum Points	Consensus Grade	POSITIVO 200 NOOSTIVO STITIDUITOS	
					communications and stakeholder engagement construction projects of similar scope and com City involvement in the change management p section 1.1.1 (5) (a), i.e. the submission makes Design Team but there is no reference to the S Consensus: 70% (revised)	plexity". rocess is unobservable under reference to the Proponent's
1.2 lı	ntegrated Management System (maximum of 30 pages)		20	75%		
					Positive attributes Demonstrates overall understanding of the rec Well established corporate IMS system (SNC) Champlain Bridge Project. Negative attributes DMP has no observable feedback loop for City The narrative is overall generic and lacks proje Consensus: 75% (validated)	has been implemented in the comments.
1.3 E	nvironmental Management Plan (maximum of 20 pages, excl	uding (1)(l))	15	77%		
					Positive attributes: Good list of Environmental Component Manag Good breakdown of monitoring and reporting PLAAs, and stakeholder consultations. Describes use of ArcGIS data management s Approval and Compliance system) for PLAAs a Individual proposed as Environmental Manage	bbligations, EA commitments, ystem, and RAC (Regulatory status tracking.

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			Maximum Points	Consensus Grade	Positive and Negative at	tributes
					Negative attributes: Includes identification of resources but the nuloading is unobservable. No observable list of sensitive receivers desc The strategy for existing contamination information. Consensus: 77% (validated)	ribed in the narrative.
1.4 Con	struction Communications and Stakeholder Engagement	(maximum of 10 pages)	5	65%		
					Positive attribute: Good content in supporting stakeholder event Negative attributes: Airport, NRC, CN and VIA are not mentioned listing key project stakeholders reflects the Pr understanding of RFP Schedule 3 Part 1, Se Proponent is advised to prepare its Techn demonstrate the Proponent's understanding the Proponent's ability to carry out the Works Agreement." and RFP Schedule 3 Part 1, Sec drawings, technical reports, plans and other in the Proponent's Technical Submission must a and demonstrate that the Proponent () und borne by Project Co and has a plan to address No reference to communications strategy dur per RFP Schedule 3 Part 1 Section 1.4 (4) (a) of how the Proponent team will interface with internal and external stakeholders, at various design, construction, testing & commissioning Guiding principles provided for content, but n projects as per RFP Schedule 3-1 Article 1.4	in the list of stakeholders. No oponent failure to demonstrate action A. (1) which states "The nical Submission, which shall of the scope of the Works and in accordance with the Project tion A. 3. (e) which states "The nformation submitted as part of address the scope of the Works erstands the Project risks to be s such risks." ing the maintenance period as (ii), which states "A description of the Sponsor team, as well as stages of the Project, including and maintenance".

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				Maximum Points	Consensus Grade	Positive and Negative	e attributes
						Consensus: 65% (validated)	
1.5	Works	Schedule PBS-1 (maximum of 10 pages exclue	ding PBS-1)	30	70%		
						Positive attributes Proposed durations were provided for City Negative attributes The submission does address critical path and lists certain activities in the scheor permitting, design, segments 1 and 5) that those do not constitute the entirety of Proponent's PBS-1. Describing "Utilities, permits and design" substantial completion. The definition of Cr "Critical Path(s)" means the longest seque connected Activities from start to finish on the relevant Scheduled Substantial Comple is longer than any other sequence of active Scheduled Substantial Completion Date/ Set DMP is being prepared concurrently with matis is non conformant with PA Schedule 11, S and Construction Activities shall not be stat the DMP and CMP have been prepared accordance with Schedule 10 – Review Pro- Narrative implies that Project Co will need for for fully coordinated design packages, whi does not fully understand the Project scope RFP Schedule 3 Part 1, Section A. (1) stat prepare its Technical Submission, which set understanding of the scope of the Works and out the Works in accordance with the Project	n and near critical path activities dule (3rd party utility interface t are part of the critical path, but the critical path shown in the does not describe the path to ritical Path in Schedule 12 states ence, in terms of time, of logicall the Current PBS ending with (tion Date, where the total duration vities in respect of such relevan cheduled Final Completion Date. ajor elements of the design, which bection 2.5 (f) that states "Desig rted on any component until after d and submitted to the City is becedure". the City to relax the requirements ich demonstrates that Proponent of work and the PA requirements tes "The Proponent is advised to hall demonstrate the Proponent' nd the Proponent's ability to carr

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			Maximum Points	Consensus Grade	Positive and Negative attributes	
					Fare control delivery date is incorrectly state which demonstrates that Proponent does not scope of work and the PA requirements (RFP (1)). Schedule 15-2 Part 1, Section 5.4 (I) (ii) / Transpo requires one month notice prior to the Station for the actual installation. Access installation can be performed one Station at a scheduled to begin no more than four monthe delivery of fare control equipment proposed in timeline defined in PSOS. Segments 1 and 5 are not coordinated betw (segment 1 in the PBS-1 includes Limebank, b segment 1 in the narrative) Basis of Design reports are not considered conformant with the requirements in Schedule Consensus: 70% (revised)	fully understand the Project Schedule 3 Part 1, Section A. A i. states "Installation by OC installation and one week per is to be staggered so that time. The installation shall be s prior to Trial Running." The 2019 is well in advance of the een the narrative and PBS-1 ut Limebank is not included in in the PBS-1, which is non
1.6 Ris	sk Management Plan (maximum of 10 pages – excluding Risk	k Register)	5	73%		
					 Positive attributes: Describes management accountability of risks Describes risk management software how sample/extraction. Negative attributes: The risk management approach focuses management approach focuses management approach focuses management software focuses management approach focus approach foc	vever does not provide a nostly on risks that are the than Project Co risks. information and limited detail. risk management tools were

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			Maximum Points	Consensus Grade	Positive and Negative attributes		
					Risk register was provided but the list of mitig generally addressed by monitoring rather than The list of M&R risks is not comprehensive. Design Manager is not referenced in the integ process with the team members. Emphasis in the narrative of "risk mitigation th project" seems misplaced (project requirement line into Existing line/New line/Airport link for a Consensus: 73% (validated)	n mitigating. pration of the risk management rough the segmentation of the ts impose segmentation of the	
1.7 Syst	tems Integration Management Plan (SIMP) (maximum of 3	30 pages)	15	62%			
					Positive attributes N/A Negative attributes The RFP requires a high-level description of include inaccurate information, such as refer form part of the Project scope of work, e.g Power Substations, free-issued equipment, a TVS and the Stage 1 head-end, nor should it the integration of fare control equipment in the This demonstrates that the Proponent lacks Works. RFP Schedule 3 Part 1, Section A. advised to prepare its Technical Submission Proponent's understanding of the scope of the ability to carry out the Works in accordance w Schedule 15-2 Part 1, Section 11.2 (g) (iii) sta- minimum, define () The functional, performa and Safety requirements of the individual elem- interface." The high-level SIMP submission do on RAMs.	ences to elements that do not a catenary system, Traction nd no connection between the omit critical City tasks such as a stations. understanding of the scope of (1) states "The Proponent is , which shall demonstrate the ne Works and the Proponent's ith the Project Agreement." ates that "The SIMP shall, as a nce, Reliability, Maintainability, nents forming the integration or	

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		Maximum Points	Consensus Grade	Positive an
				Section 1.7 (b) of RFP Schedule preliminary schedule of normal S level dependency task durations done by others.". The dependence submission. Consensus: 62% (validated)
1.8	Early Works Agreement	NOT SCORED		

		Maximum Points	Consensus Grade	Positive and
2.0 DESI	GN SUBMISSION			
2.1	Civil and Guideway Design Submission (maximum of 50 pages)	25	52%	
				Positive attributes: Municipal roadway restoration and Negative attributes: Double tracking (RFP Schedule 3 acknowledged, but the response of being designed to protect for it (do structures). As mentioned in the SME request conformant with Schedule 15-2 Pa the Brookfield siding will result in a affect the VIA grade separation. F

and Negative attributes

le 3 Part 1 requires the SIMP to include "A Systems Integration activity including highis of City Parties where work done is being encies were not included in the Proponent's

nd Negative attributes

nd alteration drawings are good.

3 Part 1, Section 2.1 (1) (g)) is e does not address how the alignment is double-tracking is only mentioned on

est N.031, the Brookfield siding is non Part 2, Section 1.2 (a) (ii) C. Shortening of n a non-conformant passing siding and will Further, the TNext network model indicates

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	Maximum Points	Consensus Grade	Positive an
			Brookfield siding as a pinch point minor delays will be caused by sir Brookfield"), which has unaccepta
			RFP Schedule 3 Part 1 Section 2. approach describing how the exis maintained to conform to the Outp include a narrative on each Existin proposed approach to upgrades, submission does not propose an a Rideau River Bridge.
			While considering no rehabilitation needs to be substantiated with life requested in RFP Schedule 3 Par
			The Rideau River Bridge narrative live load will be addressed solely does not meet the intent of the Ou Schedule 3 Part 1, Section A. 3. (plans and other information subm Submission must address the sco Proponent will deliver the Works is reference concept design drawing and Output Specifications"
			The Rideau River Bridge requires each side of the structure, which we conformance with PSOS Schedul
			As stated in the Conformance Rep provided, which has operational in Schedule 15-2 Part 2 1.2 (b) (i) G

nd Negative attributes

t (see section 3.4-17, which states that single track usage "particularly at table operational impacts.

2.1 (m) states "Provide a structural disting structures will be upgraded and atput Specifications. The approach shall sting Structure and the Proponent's s, lifecycle and maintenance". The n approach to lifecycle and maintenance for

on of the bridge is a possible solution, it fecycle and maintenance considerations as art 1 Section 2.1 (m).

ve states that the requirement for an E-80 y by applying a speed restriction, which Dutput Specifications, as mentioned in RFP (c) states "drawings, technical reports, mitted as part of the Proponent's Technical cope of the Works and demonstrate that the in accordance with the intent of the mass provided in the Background Information

es a pedestrian barrier/railing system on n was not provided and is a nonule 15-2 Part 2 Section 4.8 (c) (xxii) C.

eport, the NRC 200m run-off is not impacts and is non-conformant with PSOS G.

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	Maximum Points	Consensus Grade	Positive and
			No information provided on "how s within the guideway" as required in (f).
			The submission contains several i
			-track design described in the name consistent with the drawings: special layout is inconsistent between the package and doesn't reflect the ad
			- As described in SME requests n to be retained for future freight but statement,
			These demonstrate a lack of under Schedule 3 Part 1, Section A. 3. (a plans and other information submi- Submission must address the sco Proponent () understands the se
			RFP Schedule 3 Part 1, Section 2 address the guideway design as s Schedule 15-2 of the Project Agre statement describing the alignmer of how the track and guideway wil build-up and vegetation that could
			The submission only addresses su address how the guideway or othe free of snow and ice-buildup.
			The submission does not address designed to remain free of vegeta
			Earl Armstrong, Lester, and Leitrin does not conform with the PSOS i 2, 1.1 (c) which states " <i>The entire</i>

nd Negative attributes

v system elements will be accommodated in RFP Schedule 3 Part 1, Section 2.1 (1)

l inconsistencies, e.g.

arrative (figure 8 on page 2.5-12) is not ecifically the Walkley interlocking track ie narrative and the trackwork drawing actual conditions in the field;

n.018, the Ellwood diamond is mentioned ut the drawings do not support this

derstanding of the scope of Project (RFP (a) states "The drawings, technical reports, mitted as part of the Proponent's Technical cope of the Works and demonstrate that the scope of the Project)

2.1 (1) (d) states "The Proponent shall set out in or otherwise referenced in reement, and shall provide a narrative ent design that includes (...) A description vill be designed to remain free of snow, ice Id impact operation of the system."

snow and ice on the switches and does not ner trackwork will be designed to remain

ss how the track and guideway will be ation.

rim are not designed to E80 loading, which intent, specifically with Schedule 15-2 Part *ce Expanded Trillium Line, which falls within*

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			Maximum Points	Consensus Grade	Positive and Negative a	attributes
					the existing rail corridor, is subject to be des Project Co shall provide a continuous single following exceptions ()" and with Schedule Additionally, Lester Road is part of an active demonstrates lack of understanding of the P Consensus: 52% (validated)	<i>-Track freight route, with the</i> 15-2 Part 2 Appendix C. freight corridor, which further
	ties, Geotechnical, Drainage and Stormwater Mana dscape Architecture (maximum of 45 pages)	gement, Urban Design and	25	80%		
					 Positive attributes: Geotechnical Describes clear geotechnical monitoring poinadjacent structures. Stratigraphic profile drawings are comprehened Detailed description of proposed monitoring instrumentation. Detailed description of further geotechnical in Good interpretation of the current conditions. Utilities State that no relocation is required for the Hipproof of design is unobservable). Rail over road in Leitrim avoids significant per Novatech (subcontractor) has good local exproject understanding. Negative attributes: No detail provided on integration of public ar Limited project-specific detail on geo-environment of the specific de	nsive and clear. program and typical nvestigations to be performed. ; noted the Leda clay concerns ydro One crossings (however ortion of utility work. perience and demonstrated

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		Maximum Points	Consensus Grade	Positive and
				Stormwater Management narrative "may" and "might" in several instat
				Consensus: 80% (validated)
2.3	Systems Design Submission (maximum of 40 pages)	25	52%	
				Positive attributes N/A Negative attributes RFP Schedule 3 Part 1, Section 2 proposed Signalling and Train Con Schedule 15-2, Part 3, section 10' provide a vendor/supplier-specific required to demonstrate that the F number of existing technology sole proposed as a solution, e.g. Wi-fi, in order to meet the submission re the solution. TNext submission states "At the ti still finalizing the option selection p requirements in RFP Schedule 3 F drawings, technical reports, plans of the Proponent's Technical Subr Works and demonstrate that the F the Project; (b) has the ability () the Project Agreement"

nd Negative attributes

ive is unclear as to the intent, referring to tances.

a 2.3 (1) (c) (i) states "A narrative of the Control Solution and how the it addresses 10". While the Proponent is not required to fic product, the proposed S&TC solution is a Proponent can fulfil this requirement. Any solutions could have been selected and fi, Positive Train Control, Track Circuits, etc. requirements and enable the evaluation of

e time of the technical submission we are n process", which does not meet the 3 Part 1, Section A. 3. which states: "The ns and other information submitted as part ubmission must address the scope of the e Proponent: (a) understands the scope of ...) to deliver the Works in accordance with

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		Maximum Points	Consensus Grade	Positive and
				Note that this is the only section o requires a proposed "solution", as
				Consensus: 52% (validated)
2.4	Station Design Submission (maximum of 40 pages)	30	62%	
				 Positive attributes: Extensive use of glazing for weath Airport Station structure is designed double track platform. New Stations include fully enclose Negative attributes: Station design includes access to provided) which are non-conformation section 1.2 (f), in what concerns of transfer effort. This was raised as Report. Uplands Station single platform conservice impacts and erodes operation understanding of project needs are 3 Part 1, Section A. 3. (c) which stip plans and other information submit Submission must address the scon Proponent () will deliver the Wo reference concept design drawing and Output Specifications". Addition Event (TN-NC011: Uplands Station While the vehicle information was access to the vehicle, the narrative

nd Negative attributes

of the RFP submission requirements that as opposed to a proposed "approach".

ther protection.

ned to accommodate expansion for a

sed Communications rooms.

to Stations through lengthy ramps (no stairs mant with PSOS Schedule 15-2 Part 4 s CPTED requirements and passenger as a non-conformance in the Conformance

configuration translates into costumer rational flexibility, demonstrating limited and lack of understanding of RFP Schedule states "The drawings, technical reports, mitted as part of the Proponent's Technical cope of the Works and demonstrate that the /orks in accordance with the intent of the ngs provided in the Background Information itionally this was raised as a Conformance tion).

as provided by the City, and proponents had tive mentions the need to "obtain further

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			Maximum Points	Consensus Grade	Positive and Negative at	tributes
					information on the vehicle metrics to confirm to the Alstom LINT door threshold", which demo of the requirements in RFP Schedule 3 Part 1 states "The drawings, technical reports, plans submitted as part of the Proponent's Technical the scope of the Works and demonstrate that ability, resources and approach to deliver the Project Agreement". Consensus: 65% (validated)	nstrates lack of understanding , Section A. 3. (b), which and other information al Submission must address the Proponent () has the
2.5 Nev	v Walkley Yard Design Submission (maximum of 30 pages	5)	20	60%		
					Positive attributes: N/A Negative attributes: Schedule 15-2 Part 5, section 1.5 – Yard Ope switches within the New Walkley Yard shall be control with hand or powered operation availa Expanded Trillium Line and as specified herei includes double slip switches which are not pr therefore this is a non-conformance.	e of the same type (dual ble) as used elsewhere on the n". The proposed design
					In addressing the requirement for no single por leaving the yard) in Schedule 15-2 Part 5, Sec considers a turn out and connection trough th This solution is outside the Lands and therefor Schedule 33. Furthermore it demonstrates lack of understate environment, and of the track conditions in the compromises the Stadler warrantee, would re	ction 1.1 (c) (iii) the design e adjacent freight CN yard. re non conformant with nding of the regulatory e CN yard, potentially

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			agreement with CN, and requires Canada (which have not been disc demonstrates lack of understandin Part 1, Section A. 3. which states and other information submitted a Submission must address the sco Proponent: (a) understands the sco The design addresses the require (a) (vi) "The City areas include but minimum of two shower rooms. SI need to be accessed directly from shower room with two shower stal The tent structures provided for th response to RFP Schedule 3 Part Proponent shall address the New otherwise referenced in Project Ag include the following () Life Cyce life cycle approach to all building of equipment including but not limited (A) Building envelope and exterior (B) Interior finishes; (C) Mechanical & electrical equipr (D) Industrial equipment." The submission response is non of section 4.3 (a) (i) and Schedule 18 require specific Design Life for the Conformance Review.
			The Conformance Review identified Part 5 Section 6.4 (e) (i) which sta

nd Negative attributes

es approval requirements from Transport liscussed in the submission). This ding of the requirement in RFP Schedule 3 es "The drawings, technical reports, plans I as part of the Proponent's Technical cope of the Works and demonstrate that the scope of the Project"

rement in Schedule 15-2 Part 5, Section 1.2 but are not limited to (...) washrooms with a Shower rooms may be unisex and do not om washrooms" by providing one universal talls, which is non conformant.

the MSF were not considered in the art 1 Section 2.5 (f) (v) which states "*The w Walkley Yard design as set out in or Agreement Schedule 15-2, and shall ycle Analysis: A written narrative describing g components, systems and major pieces of ited to:*

ior finishes;

oment; and

conformant with Schedule 15-2 Part 1, 15-2 Part 5 Section 1.1 (c) (viii) which ne MSF buildings. This was identified in the

fied a non-conformance with Schedule 15-2 tates "*Redundant back-up generators*

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					connections shall be able to assume the entire critical events including 25% spare capacity fo shall be size to assure no interruption to rever Revenue Vehicle servicing and administrative Consensus: 60% (revised)	r future growth. Generator ue service or to normal
2.6 Veh	icle Fleet Design Submission (maximum of 30 pages)		20	60%		
					Positive attributes Wabtec (subcontractor) has previous experient the Stadler vehicles. Past experience in the safety certification of A Negative attributes TNext states that the City has yet to obtain Als requires in order to progress the design and in equipment (Sections 2.6-7 and 2.6-13 of the s This does not meet the requirements in RFP S 3. (b) which states " <i>The drawings, technical re</i> <i>information submitted as part of the Proponen</i> <i>must address the scope of the Works and den</i> () (b) has the ability, resources and approact accordance with the Project Agreement", parti integration of the on-board systems (RFP Sch (a) (ii)). The submission response to section 2.6 (2) (a does not specifically address Project Co's expec- board systems in the existing vehicles. The requirements in RFP Schedule 3 Part 1, Section drawings, technical reports, plans and other important.	stom LINT. tom information which TNex tegration of on-board ubmission). Schedule 3 Part 1, Section A. ports, plans and other t's Technical Submission nonstrate that the Proponent h to deliver the Works in cularly as is relates to the edule 3 Part 1 section 2.6 (2)) (i) of RFP Schedule 3 Part reience in the integration of or his also does not meet th on A. 3. (b) which states "Th

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						the Proponent's Technical Submission must a and demonstrate that the Proponent () (b) approach to deliver the Works in accordance Consensus: 60% (revised)	has the ability, resources and
2.7	Airpo	rt Link (No limit)		NOT SCORED			
2.8	Syste	m Safety and Security Certification (Maximum P	ages 15)	10	75%		
						 Positive attributes: Key individual is strong in relation to rail syste experience with rail system certification. Provided a comprehensive listing of key issue Approach to re-certification, operation and mamonitoring risks on an on-going basis is good Negative attributes: Narrative is generic with limited project-specie Consensus: 75% (validated) 	es. aintenance hazards, and I.
2.9	Dow's	s Lake Tunnel Design Submission (maximum of	10 pages)	10	79%		
						Positive attributes: Approach to the pumping system (proposing Significant enhancements proposed to the pu lacking site plan.	

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			Negative attributes: Narrative is vague on crack repairs Assumed design fire load of 33,6M Consensus: 79% (validated)

		Maximum Points	Consensus Grade	Positive an
3.0 CON	NSTRUCTION SUBMISSION			
3.1	Emergency Response Plan (maximum of 20 pages)	10	72%	
				Positive attributes: Describes integration with IMS. Good outline of roles and response Approach acknowledges the union describes past experience working Provides example of a crisis team Negative attributes: Very generic descriptions, lacking No description about responding Limited detail provided on potential Consensus: 72% (validated)
3.2	Traffic and Transit Management Plan and Construction Access Management Plan (maximum of 40 pages)	25	79%	
				Positive attributes:

ADE:	67.27%
DRE	336.35

nd Negative attributes

airs. 6MW which may no longer be applicable.

and Negative attributes

onsibilities. nique environment at the Airport and king at the Airport. eam.

king project-specific information. ng to roadways adjacent to the Lands. ential railroad incidents (VIA, CN).

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			Maximum Points	Consensus Grade	Positive and Negative	attributes
					Demonstrates past experience on Stage 1, CROR. Good understanding of third parties involved CN, VIA, NRC. Commitment to keeping transit running at S construction. Propose a temporary MUP bridge at Carleto maintain pedestrian access across the corri Design proposes rail over road structures w Negative attributes: Limited detail on construction access mana- Haul route map was of inappropriate scale, was no description provided as to how the h Lacks detail on specific plans and schedule impacts. Consensus: 79% (validated)	d in the project, e.g. Carleton, outh Keys and Bayview durin on, which is a good solution to dor. hich minimize traffic impact. gement. and limited detail, and there aul operations will take place
3.3 Co	onstruction Plan (maximum of 40 pages, excludes	staging drawings)	40	75%		
					 Positive attributes: Demonstrates good past experience, and Stage 1. Team members are currently working at the Approach to construction considers release Airport staging drawings are comprehe access/egress staging issues. Negative attributes: Staging drawings are only provided at sele the scope of work. Appears to misunderstand the schedule of to Does not acknowledge the schedule constrated 	Airport. of areas after construction. nsive and address potent ct locations and lack details o he interim projects.

TECHNICAL EVALUATION | CONSENSUS WORKSHEET

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		Maximum Points	Consensus Grade	Positive an
				Consensus: 75% (revised)
3.4	System Testing and Commissioning Plan (maximum of 25 pages)	25	60%	
				 Positive attributes Figure 1 provides a good interprese EN50126 and ISO15288 over the Negative attributes RFP Schedule 3 Part 1 section 3 the scope and type of Minor Dessubstantial Completion, and the correct the identified deficiencies not provided. The response of Deficiencies. The submission response to RF provided insufficient demonstration of sub optimal perform Schedule 15-2 Part 1 section 3.6 (<i>reflect Project Co's final desi Trackwork, curvature, grades, art</i> (b) (i) E - Station Dwell Times put their network model (TNext set indicates that delays due to dwel single track usage are not includemonstrates a clear misunders account for all system delays an alignment. RFP Schedule 3 Part 1 section 3 "narrative demonstrating an und Project Agreement" which will deminute headway": The submission

and Negative attributes

retation of the layering of PA requirements, ne V-model.

 3.4 (1) (e) requires Proponents to "Identify Deficiencies that may be deferred beyond he process and timelines to expeditiously es." Scope and type of Minor Deficiencies is did not follow the definition of Minor

RFP Schedule 3 Part 1 section 3.4 (2) (g) ation of an understanding of the simulation parameters, including dwell times and rmance factors for realistic operations.

6 (b) (i) B i which states "*The simulation shall* esign including Track alignment, special and Station Platform limits" and section 3.6 provide requirements for the simulation. In submission page 3.4-22) the Proponent rell time variations and waiting at sidings for cluded in the simulation calculations. This erstanding of the requirement, which is to and use that information to inform the track

3.4 (2) (d) requires proponents to provide a *nderstanding of and compliance with the* describe "*Capability to support a reliable 12* ission does not provide the analysis to

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			Maximum Points	Consensus Grade	Positive and Negative at	tributes
					 substantiate that a 12 min headway can be including how a single platform approa operationally. RFP Schedule 3 Part 1 section 3.4 (2) (d) rean and the endotropy of the endotro	ch at Uplands would work quires proponents to provide a of and compliance with the Capability to support a reliable articulates pinch points at the
3.5 H	lealth and Safety Certification (no page limit)		NOT SCORED			
3.6 N	Nobility Matters Lanes (maximum of 5 pages)		5	70%		
					Positive attributes: N/A Negative attributes: N/A Consensus: 70% (revised)	

		Maximum Points	Consensus Grade	Positive an
4.0 MAIN [.]	ENANCE AND REHABILITATION SUBMISSION			
4.1	Maintenance & Rehabilitation Approach to Part 1 of Schedule 15-3 of the Project Agreement (maximum of 30 pages)	40	60%	
				Positive attributes



TECHNICAL EVALUATION | CONSENSUS WORKSHEET

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	Maximum Points	Consensus Grade	Positive an
			N/A Negative attributes RFP Schedule 3 Part 1 section 4 a description of the approach of t encountered, solutions identified their experience on comparable t were provided (with no basis on p transit projects"). The submission the problems encountered, soluti based on their experience on cor RFP Schedule 3 Part 1 section 4 mobilization of the Maintenance a System Infrastructure before the for further certainty Existing System
			Financial Close, including details quality and environmental comple- training and addressing any othe mobilization of M&R services is in 2021. As of May 2020 Project Co- standby maintenance on the exis Walkley interlocking. Mobilization does not appear to occur prior to
			RFP Schedule 3 Part 1 section 4 organizations and service provide and Rehabilitation Services, inclu to be deployed – including different sub-contractors required". The na- service providers.
			RFP Schedule 3 Part 1 section 4 of the approach of the Maintenan solutions identified and strategies on comparable transit projects, for

and Negative attributes

4.1 (2) requires the Proponent to "*Provide* of the Maintenance Director to problems ed and strategies implemented, based on e transit projects". Only generic strategies n previous experience on "*comparable* on response did not provide a description of utions identified or strategies implemented, comparable transit projects.

4.1 (1) (g) requires "the approach to e and Rehabilitation Services for the re Revenue Service Commencement and stem Infrastructure transferred after ils of the Proponent's approach to safety, pliance, communications, recruitment, her issues identified by the Proponent." No is indicated in the submission prior to May Co maintenance services will be required for kisting fleet and for maintenance of the on of Project Co maintenance services to May 2021.

4.1 (1) (f) (ii) requires "details of the iders involved in delivery of Maintenance cluding, (...) (ii) approximate number of staff erentiation between direct employees and narrative does not provide details on

4.1 (2) (g) requires "Provide a description ance Director to problems encountered, ies implemented, based on their experience for: (...) (g) work safety programs". The

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			Maximum Points	Consensus Grade			
					 narrative refers to a Safety Policy but no details regarding Work Programs are provided. RFP Schedule 3 Part 1 section 4.1 (2) (j) requires "Provide a de the approach of the Maintenance Director to problems encounter solutions identified and strategies implemented, based on their encounter on comparable transit projects, for: () (j) maintenance-related emergency response protocol". The narrative refers to a future Encounter Response Plan but no details of maintenance related emergency protocols are provided. Consensus: 60% (validated) 		
	ntenance & Rehabilitation Approach to Appendix A (Mair uirements) to Schedule 15-3 of the Project Agreement (n		40	70%			
					Positive attributes N/A Negative attributes Proponent's response does not address ho meet Project Co's obligations in Appendix A in RFP Schedule 3 Part 1, Section 4.2 (1) (o Response to RFP Schedule 3 Part 1 4.2 (4) detailed description of Project Co.'s underst requirements of federally controlled railroad Submission does not address mitigation of p KPIs., as required in RFP Schedule 3 Part 1 Consensus: 70% (revised)	to Schedule 15-3, as required). (b) does not include " <i>a</i> <i>anding of the reporting</i> s" (no description provided). paymech deductions and	

TECHNICAL EVALUATION | CONSENSUS WORKSHEET

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		Maximum Points	Consensus Grade	Positive an
4.3	Maintenance & Rehabilitation Approach to Appendix B (Asset Preservation) to Schedule 15-3 of the Project Agreement (maximum of 25 pages (excluding lifecycle work schedule))	35	65%	
				Positive attributes The submission mentions the Ca Negative attributes RFP Schedule 3 Part 1 section 4 and processes associated with R including () the Proponent's ap regulatory testing and inspections. No approach is provided regardin inspections (track inspections, sig the regulator (i.e. Transport Cana regulatory inspection rules. This of requirement in RFP Schedule 3 R drawings, technical reports, plans of the Proponent's Technical Sub Works and demonstrate that the the Project" Conformance Review includes a (error in the section reference, it Appendix B, related to the condit vehicles. The vehicle condition as annually. Proponent indicates 10 assessments in table 3 (TNext su conformant. Consensus: 65% (validated)

and Negative attributes

Capital Rail bridge safety management plan.

4.3 (1) (d) (iv) states "the scope, activities, Records and the Asset Management Plan, approach to ensuring compliance with all ons".

ding specific regulatory testing and signal inspections), no reference made to inada), and no reference made to vehicle is demonstrates lack of understanding of the 3 Part 1, Section A. 3. which states "*The ans and other information submitted as part cubmission must address the scope of the ne Proponent: (a) understands the scope of*

a non-conformance with section 5 (e) (ii) it should be 5 (i) (i)) of Schedule 15-3 dition assessment and reporting on assessment and reporting is required 10, 15 and 22 year for minimum condition submission page 4.3-5) which is non

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		Maximum Points	Consensus Grade	Positive ar
4.4	Maintenance & Rehabilitation: Approach to Appendix C (Expiry Date Requirements) to Schedule 15-3 and Schedule 23 – Expiry Transition Procedure of the Project Agreement (maximum of 5 pages)	10	70%	
				Positive attributes: N/A
				Negative attributes: N/A
				Consensus: 70% (validated)

and Negative attributes