PROJECT ID/NO.:	PROJECT TYPE: Road	ITEM: Earthworks
VISIT	LOCATION:	DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50		-	
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 100 Clearing	& Grubbing, Item 101 Removal of Structure and Obstruction			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	S	
RBWS-1001	Proper removal of undisputed stumps roots and non-perishable solid objects/structures, vegetation, debris,tree and other obstructions (within carriageway)	/	X	
Minor				
RBWS-1001	Proper removal of undisputed stumps roots and non-perishable solid objects/structures, vegetation, debris,tree and other obstructions (outside carriageway)	/	x	
RBWS-1002	Conformance to proper disposal	/	=X	
		/	=X	
	on, Item 103 Structure Excavation			
Major				
RBWS-1001	Conformance with approved/specified tolerances for lines, grades, cross- section, elevation, & dimensions (if no longer correctible, e.g., with in- placed structure)	/	X	
Minor				
RBWS-1001	Conformance with approved/specified tolerances for lines, grades, cross- section, elevation, & dimensions (correctible)	/	=X	
RBWS-1002	Adherence to proper construction methodology	/	=X	
RBWS-1003	Conformance to proper disposal	/	=X	
		/	=X	
	nent, Item 105 Subgrade Preparation			
Major	A discourse to proper construction methodology (if no longer correctible		×	
RBWS-1001	Adherence to proper construction methodology (if no longer correctible, e.g., layering, Item 105 not undertaken)	/	=X	
RBWS-1002	Conformance with approved/specified tolerances for lines, grades, cross- section, elevation, & dimensions (if no longer correctible, e.g., with in- placed structure)	/	X	
RBWS-1003	Adherence to compaction procedure and required equipment (if no longer correctible, e.g., done in layers but do not meet required compaction and succeeding layer was laid)	/	X	
Minor				
RBWS-1001	Adherence to proper construction methodology	/	=X	
RBWS-1002	Conformance with approved/specified tolerances for lines, grades, cross- section, elevation, & dimensions (correctible)	/	=X	
RBWS-1003	Adherence to compaction procedure and required equipment (correctible)	/	=X	
		/	=X	
Item 106 Compact	ion Eqpt. & Density Control Strips, Item 107 Overhaul			
Major				
RBWS-1001	Hauling distance for excavated materials claimed/considered overhaul beyond freehaul distance	/	=X	
		/	X	
Was subcontracto	or used? If yes, name of company and owner:		– Total Score (a) =	CAR Total
	&		No. of Indicators (b)	

Entered by:\_\_\_\_\_

Date: / /

Rate = (a) / (b)

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_VISIT PROJECT TYPE: Road LOCATION: \_\_\_\_\_

ITEM:Base & Sub-Base Course DATE OF VISIT: / /

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Course, 202 Crusł Cement Stabilized	COURSE / Item 200, Aggregate Sub-Base Course, Item 201 Agg. Base red Aggregate Base, 203 Lime Stabilized Road Mix Base, 204 Portland Road Mix Base, 205 Asphalt Stabilized Road Base, 206 Portland lant Mix Base, 300 Aggregate Surface Course.			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj	jor Defects	5	
RBWS-2001	Conformance of in-placed materials to plans and specifications	/	=X	
RBWS-2002	Adherence to proper construction methodology (if no longer correctible, e.g., layering)	/	=X	
RBWS-2003	Conformance w/ approved/specified tolerances on lines, grades, cross- section, thickness, elevation, dimensions & plans (if no longer correctible, e.g., not extended to shoulder and other succeeding items are already in- placed)	/	X	
RBWS-2004	Conformance to the required compaction	/	=X	
Minor			Х	
RBWS-2001	Conformance of in-placed materials to plans and specifications	/	=	
RBWS-2002	Conformance to required layering	/	=X	
RBWS-2003	Conformance w/ approved/specified tolerances on lines, grades, cross- section, thickness, elevation, dimensions & plans (correctible)	/	X	
RBWS-2004	Conformance to the required compaction	/	=X	
RBWS-2005	Sub-base/Base extended to shoulders	/	=X	
RBWS-2006	Non-occurrence of subbase settlement/upheaval	/	=X	
RBWS-2007	Provision of required stakes	/	=X	
		/	=X	
Nas subcontract	or used? If yes, name of company and owner:		Total Score (a) –	CAR Total
	&		= No. of Indicators (b) =	
Entered by:	Date: / /		Rate = (a) / (b)	
			– Rate	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Road
LOCATION: \_\_\_\_\_

ITEM: Surface Course DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
ltem 301 Bituminol Seal Coat	us Prime Coat, Item 302 Bituminous Tack Coat, Item 303 Bituminous			
Major				
RBWS-3001	Conformance of in-placed materials to plans and specifications	/	X	
RBWS-3002	Observance of the required drying time	/	X	
Minor				
RBWS-3003	Conformance to the required rate and method of application	/	=X	
		/	X	
		/	X	
Rd. Mix Surface Co	us Surface Treatment, 305 Bit. Penetration Macadam Pavement, 306 Bit. Durse, 307 Bit. Plant Mix Surface Course, 308 Bit. Plant Mix Surface ant Mix (Stockpile Maintenance Mixture), 310 Bituminous Concrete ot Laid)			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	\$	
RBWS-3001	Conformance of in-placed materials to plans and specifications	/	X	
RBWS-3002	Monitoring/checking of temperature mix prior to placing/spreading/compaction	/	X	
RBWS-3003	Conformance to the temperature requirement	/	X	
RBWS-3004	No alligator and longitudinal cracks	/	X	
RBWS-3005	Conformance to the approved/specified tolerances for thickness, width, length, slope and cross-section (>10% deficient)	/	X	
RBWS-3006	No bleeding on asphalt pavement (> 1 sq. m.)	/	X	
RBWS-3007	No upheaval (severe and needs R/R)	/	X	
RBWS-3008	No ravelling (severe and needs R/R)	/	X	
Minor				
RBWS-3005	Conformance to the approved/specified tolerances for thickness, width, length, slope and cross-section ( $\leq$ 10% deficient)	/	X	
RBWS-3006	No bleeding on asphalt pavement (≤1 sq.m)	/	=X	
RBWS-3007	No upheaval	/	=X	
RBWS-3008	No ravelling	/	=X	
RBWS-3009	No temperature cracks	/	=X	
RBWS-3010	Conformance to the required density	/	=X	
		/	X	
		/	X	
	r used? If yes, name of company and owner:		– Total Score (a) = No of Indicators (b)	CAR Total
	∝ Date: / /		Rate = (a) / (b)	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT PROJECT TYPE: Road
LOCATION: \_\_\_\_\_

ITEM:Surface Course DATE OF VISIT: / /

Rate

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 311 Portland	Cement Concrete Pavement (PCCP)			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	or Defects	3	
RBWS-311-01	No longitudinal cracks	/	=X	
RBWS-311-02	Conformance to vibration requirement	/	=X	
RBWS-311-03	Conformance to quality of concrete mix	/	=X	
RBWS-311-04	Conformance to requirements of construction joints (outside middle thirds)	/	X	
RBWS-311-05	No through cracks (all types of cracks)	/	X	
RBWS-311-06	No scaling (severe, needs Removal and Replacement)	/	X	
RBWS-311-07	Conformance to the approved/specified tolerances for thickness, width, length, slope and cross-section (>10% deficient)	/	=X	
Minor				
RBWS-311-05	No cracks e.g. transverse, diagonal, temperature, corner, restraint	/	=X	
RBWS-311-06	No scaling	/	=X	
RBWS-311-07	Conformance to the approved/specified tolerances for thickness, width, length, slope and cross-section (<10% deficient)	/	=X	
RBWS-311-08	No honeycomb	/	=X	
RBWS-311-09	No spalling	/	=X	
RBWS-311-10	No chipped-off edges	/	X	
RBWS-311-11	Conformance to required size, location & spacing of tie bars and dowel bars as per specifications	/	=X	
RBWS-311-12	Conformance to proper curing procedures	/	=X	
RBWS-311-13	Utilization of templates prior to pouring	/	=X	
RBWS-311-14	Conformance to placing requirement which will not result to segregation of aggregates, cold joints, misalignment	/	=X	
RBWS-311-15	Conformance to required amount of asphalt sealant on weakened plane joints (insufficient and excessive application)	/	=X	
RBWS-311-16	Conformance to requirement of pavement blockings (include depths and widths of weakened plane joints)	/	=X	
RBWS-311-17	No hardened/spilled concrete on pavement	/	=X	
RBWS-311-18	No pokemarks/tire marks/animal footmarks/skid marks, etc.	/	=X	
RBWS-311-19	Conformance to proper finishing of concrete (brooming)	/	=X	
RBWS-311-20	Conformance to formworks requirements (wooden, defective steel and not applied with oil/grease)	/	=X	
		/	=X	
		/	=X	
	or used? If yes, name of company and owner:		Total Score (a) =	CAR Total
	&		No. of Indicators (b) =	
Entered by:	Date: / /		Rate = (a) / (b)	

\_\_\_\_\_

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Bridge
LOCATION:\_\_\_\_\_

ITEM: Piling DATE OF VISIT: / /

INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action
			Monitor
s			
* Refer to Section 11.4a of the CPES Guidelines for definition of Maj	or Defects	3	
Conformance of in-placed materials to plans and specifications	/	X	
Conformance to construction methodology (installation, location and type)	/	=X	
Conformance to splicing requirements	/	=X	
Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm) & spacing	/	X	
Piles provided with gradation marks (driven)	/	X	
		-	
Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness ( $\leq$ 20 mm / m), elevation, location ( $\leq$ 150 mm) & spacing	/	X	
Piles provided with gradation marks (stockpile)	/	=X	
Conformance to approved/specified tolerances for length, width, thickness and or diameter	/	=x	
No loose knots, decay, splits, worm holes, and warp	/	=X	
Non-splintering/brooming of timber pile end beyond specified allowance	/	=X	
No cracks	/	=X	
Provision of pile cap	/	X	
	/	=X	
	/	X	
	/	=X	
used? If yes, name of company and owner:		Total Score (a) = No. of Indicators (b)	CAR Total
		= Rate = (a) / (b)	
		= Rate	
	Conformance to construction methodology (installation, location and type)         Conformance to splicing requirements         Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm) & spacing         Piles provided with gradation marks (driven)         Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (<20 mm / m), elevation, location (<150 mm) & spacing	Conformance to construction methodology (installation, location and type)       /         Conformance to splicing requirements       /         Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, // location (>150 mm) & spacing       /         Piles provided with gradation marks (driven)       /         Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (<20 mm / m), elevation, // location (<150 mm) & spacing	Conformance to included materials to plans and specifications / =

## PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Bridge LOCATION:\_\_\_\_\_ ITEM: Piling DATE OF VISIT: / /

# Factor : "During Construction" = 0.40; "Upon Completion" = 0.50

	INDICATORS			
Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
400-2 Steel Piles				
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj	or Defects	\$	
RBWS-400-2-01	Conformance of in-placed materials to plans and specifications	/	X	
RBWS-400-2-02	Conformance to construction methodology (installation, location and type)	/	X	
RBWS-400-2-03	Conformance to splicing requirements	/	X	
RBWS-400-2-04	Conformance to the required length, width, thickness, and/or diameter	/	X	
RBWS-400-2-05	Piles provided with gradation marks (driven)	/	X	
RBWS-400-2-06	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm) & spacing	/	X	
Minor				
RBWS-400-2-05	Piles provided with gradation marks (stockpile)	/	=X	
RBWS-400-2-06	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness ( $\leq$ 20 mm / m), elevation, location ( $\leq$ 150 mm) & spacing	/	x	
RBWS-400-2-07	No corrosions on steel piles	/	X	
RBWS-400-2-08	No deformation on steel piles	/	x	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
	r used? If yes, name of company and owner:		Total Score (a) =	CAR Total
			No. of Indicators (b)	
Entered by:	Date: / /		Rate = (a) / (b)	

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PROJECT ID/NO.: \_\_\_\_\_ PROJECT TYPE: Bridge \_\_\_\_VISIT LOCATION: \_\_\_\_\_

ITEM: Piling DATE OF VISIT: / /

			-	
Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monito
400-3 Concrete F for formworks, c	Pile (see Common Items of Work for checklist			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	or Defect	S	
RBWS-400-3-01	Conformance of in-placed materials to plans and specifications	/	X	
RBWS-400-3-02	Conformance to construction methodology (installation, location and type)	/	= X	
RBWS-400-3-03	Conformance to splicing requirements	/	x	
RBWS-400-3-04	Conformance to the required length, width, thickness, and/or diameter	/	X	
RBWS-400-3-05	Provision of pile shoe	/	X	
RBWS-400-3-06	No through cracks			
RBWS-400-3-07	No honeycomb (exposed rebars/aggregates)	/	=X	
RBWS-400-3-08	Piles provided with gradation marks (driven)	/	=X	
RBWS-400-3-09	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm) & spacing	/	X	
Vinor				
RBWS-400-3-06	No cracks	/	X	
RBWS-400-3-07	No honeycomb	/	X	
RBWS-400-3-08	Piles provided with gradation marks (stockpile)	/	X	
RBWS-400-3-09	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness ( $\leq$ 20 mm / m), elevation, location ( $\leq$ 150 mm), spacing & champering	/	x	
RBWS-400-3-10	Conformance to specified curing on casted RC piles	/	X	
RBWS-400-3-11	Conformance to casting length	/	X	
RBWS-400-3-12	Conformance to required lifting procedure	/	X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	=X	
		/	=X	
		/	=X	
	or used? If yes, name of company and owner:	-	Total Score (a) =	CAR Total
	&		No. of Indicators (b) =	<b> </b>
Intered by:	Date: / /		Rate = (a) / (b)	
,			= Rate	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Bridge
LOCATION: \_\_\_\_\_

ITEM: Railings DATE OF VISIT: / /

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 401 Railings	· · · · · · · · · · · · · · · · · · ·			
401-1 Steel Railir				
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma		S X	
RBWS-401-1-01	Conformance of in-placed materials to plans & specifications	/	=	
RBWS-401-1-02	Conformance to alignment & jointing requirement	/	=X	
RBWS-401-1-03	No corrosion	/	=X	
Minor			X	
RBWS-401-1-03	No rust	/	=	
RBWS-401-1-04	No damage to painting and galvanized coating	/	X	
RBWS-401-1-05	Adequacy of bolts and nuts	/	=X	
RBWS-401-1-06	Conformance to finishing requirement	/	=X	
		/	=X	
		/	X	
		/	X	
		/	X	
		/	= X	
		/	= X	
401-2 Timber Rai	lings		=	
Major				
RBWS-401-2-01	Conformance of in-placed materials to plans & specifications	/	=X	
RBWS-401-2-02	Conformance to alignment & jointing requirement	/	=X	
Minor				
RBWS-401-2-03	No splitting of timber	/	=X	
RBWS-401-2-04	Free from any form of damages	/	X	
RBWS-401-2-05	Provision of wood preservatives e.g. oils, creosote-oil, etc.	/	X	
		/	x	
		/	X	
		/	X	
		/	= X	
		/	= X	
			= Total Score (a)	CAR Total
	r used? If yes, name of company and owner:		= No. of Indicators (b)	
			=	
Entered by:	Date: / /		Rate = (a) / (b) =	
			Rate	

=

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Bridge LOCATION: \_\_\_\_\_

ITEM: Railings DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50			-
Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
401-3 Masonry R	ailings			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	S	
RBWS-401-3-01	Conformance of in-placed materials to plans & specifications	/	=X	
RBWS-401-3-02	Conformance to required alignment	/	X	
RBWS-401-3-03	Conformance to required quality of mortar mix, CHB, stones, aggregates & boulders	/	X	
Minor				
RBWS-401-3-03	No cracks	/	=X	
RBWS-401-3-04	Sufficiency of mortar	/	X	
		/	X	
		/	X	
		/	X	
	Railings (see Common Items of Work for checklist for		=	
Formworks, RSB Major	& Concrete)			
RBWS-401-4-01	Conformance of in-placed materials to plans & specifications	/	X	
RBWS-401-4-02	Conformance to required alignment	/	X	
RBWS-401-4-03	Conformance to required quality of concrete mix		-	
Minor				
RBWS-401-4-04	Conformance to finishing requirements	/	=X	
RBWS-401-4-05	No cracks	/	X	
		/	X	
		/	X	
		/	X	
Item 402 Trowelle	ed			
RBWS-402-01	Smooth and even floor finish	/	X	
RBWS-402-02	No temperature cracks	/	X	
RBWS-402-03	No sign of deflection/settlement	/	= X	
		/	= X	
		/	= X	
M/			= Total Score (a)	CAR Total
	r used? If yes, name of company and owner:		= No. of Indicators (b)	
Entered by:	Date: / /		= Rate = (a) / (b)	
,			= Rate	
				1

\_\_\_\_VISIT

PROJECT ID/NO.: \_\_\_\_\_ PROJECT TYPE: Bridge 

**ITEM: Metal Structures** DATE OF VISIT: / /

CAR Total

Total Score (a)

No. of Indicators (b)

Rate = (a) / (b) Rate

Factor : "During (	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
ltem 403 Metal St	ructures			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj	or Defects	3	
RBWS-403-01	Structural steel conforms to the required size and dimension as per specification	/	=X	
RBWS-403-02	No corrosion (conditon that already affects structural soundness)	/	=X	
RBWS-403-03	No sagging/deflection (beyond 50% of the maximum tolerance)	/	=X	
RBWS-403-04	Conformance to proper installation/assembly	/	=X	
RBWS-403-05	Conformance to the required number of bolts/rivets as per plan	/	=X	
RBWS-403-06	Conformance to the required size and dimension for welding	/	=X	
RBWS-403-07	Fasteners, anchor bolts, base plates, bolts/nuts and washers conforms to specified size and dimension	/	=X	
		/	=X	
Minor				
RBWS-403-02	No rust/corrosion	/	=X	
RBWS-403-03	No sagging/deflection (within 50% of the maximum tolerance)	/	=X	
RBWS-403-08	Provided with appropriate paints (primer and surface coatings) in accordance with the specifications	/	=X	
RBWS-403-09	Structural members are true to line and free from twist, bends and open joints	/	=X	
RBWS-403-10	Pin holes/fastener holes (bolts & rivets) conforms to the required diameter as per specification	/	=X	
RBWS-403-11	Rivets are installed according to proper procedure per specifications	/	=X	
RBWS-403-12	Bolts are tightened to at least the minimum bolt tension, or at a required tension per specification	/	=X	
RBWS-403-13	Conformance to use of appropriate tightening tools	/	=X	
RBWS-403-14	Conformance to proper splicing/jointing	/	=X	
RBWS-403-15	Provision of camber for truss/beams/girder	/	=X	
RBWS-403-16	Complete number of bolts/rivets installed	/	=X	
RBWS-403-17	Painted metal surface are free of loose and bubbled paints, etc.	/	=X	
		/	=X	

Was subcontractor used? If yes, name of company and owner: \_\_\_\_\_ & \_\_\_\_\_

Entered by:\_\_\_\_\_

Date: / /

\_\_VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

racion: During	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
ltem 500 Pipe Cເ	Ilverts & Storm Drains			
Major				
RBWS-500-01	Conformance to the required/approved tolerance for slope, alignment, elevation and dimensions	/	X	
Minor				
RBWS-500-02	No cracks, honeycombs, chipping of edges	/	=X	
RBWS-500-03	Compliance to joint mortar mixing proportions	/	=X	
RBWS-500-04	Sufficient collaring and flushing	/	=X	
RBWS-500-05	Compliance to the required thickness, compaction & materials requirement of gravel bedding	/	X	
RBWS-500-06	Compliance to the required thickness & compaction of backfill	/	=X	
RBWS-500-07	Conformance to trenching requirements	/	=X	
RBWS-500-08	Free from debris, siltation, etc.	/	X	
		/	X	
ltem 502 Manhol	e, Inlets and Catch Basins			
Major				
RBWS-502-01	Conformance to connection requirements between pipes & inlet wall	/	=X	
RBWS-502-02	Conformance to approved/specified tolerance for dimensions and elevations	/	X	
Minor				
RBWS-502-03	No damage on manhole, inlets & catch basins	/	=X	
RBWS-502-04	No cracks	/	=X	
RBWS-502-05	No honeycomb	/	=X	
RBWS-502-06	Free from debris, siltation, etc.	/	=X	
RBWS-502-07	Covers and gratings are well fitted and can easily be opened during maintenance work	/	=X	
		/	=X	
tem 504 Cleaning	g and Recondition of Existing Drainage Structures			
RBWS-504-01	Conformance to the approved/required tolerances for alignment	/	X	
RBWS-504-02	Proper spacing of rebars	/	X	
RBWS-504-03	Compliance to scope of work	/	X	
RBWS-504-04	Conformance to plans and specifications	/	X	
		/	X	
Noo oubcostratio	I support of company and support		= Total Score (a)	CAR Total
	r used? If yes, name of company and owner:		= No. of Indicators (b)	
Entered by:	Date: / /		= Rate = (a) / (b)	
· /			=	

\_VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 505 Riprap Concrete	and Grouted Riprap, Item 506 Stone Masonry, Item 507 Rubble			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj	or Defects	6	
RBWS-5001	No through cracks	/	X	
RBWS-5002	Conformance to specifications (size, type, weight, etc. of boulders)	/	X	
RBWS-5003	Sufficient grout/mortar	/	=X	
RBWS-5004	Observance to proper placing of stones/boulders	/	=X	
RBWS-5005	Conformance to the approved/required tolerance for slope and thickness	/	=X	
RBWS-5006	Compliance to the specified compaction and preparation of bedding	/	=X	
Minor				
RBWS-5001	No cracks	/	=X	
RBWS-5007	Adequate and proper spacing of weepholes	/	=X	
RBWS-5008	Compliance to design mix of mortar	/	=X	
RBWS-5009	Conformance with approved tolerance for lines, grades, cross- sections and elevations	/	=X	
		/	=X	
		/	X	
ltem 508 Hand-la	id Rock Embankment			
Major				
RBWS-508-01	Conformance to the required size of boulders	/	=X	
RBWS-508-02	Observance to proper placement of stones/boulders	/	=X	
RBWS-508-03	Conformance to the approved/required tolerance for length, slope, and thickness	/	=X	
		/	=X	
	or used? If yes, name of company and owner:		Total Score (a) =	CAR Total
	&		No. of Indicators (b) =	
Entered by:	Date: / /		Rate = (a) / (b) =	
			Rate	

\_\_VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

#### Factor : "During Construction" = 0.40; "Upon Completion" = 0.50 INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of Score Action Sub-item Code the indicators in the said spot. Further, if the number of complying spots is Results \_ x factor Monitor less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0). Item 509 Sheet Piles 509-1 Steel Sheet Pile \* Refer to Section 11.4a of the CPES Guidelines for definition of Major Defects Major\* х RBWS-509-1-01 Conformance of in-placed materials to plans & specifications 1 Conformance to proper installation, e.g. conformance to required x RBWS-509-1-02 slope, embedment, alignment, plumbness (>20 mm / m), elevation, 1 location (>150 mm) & spacing \_X\_ RBWS-509-1-03 Piles provided with gradation marks (driven) 1 Conformance to the approved/required tolerances for length, width, х 1 RBWS-509-1-04 thickness and/or diameter x / Minor Conformance to proper installation, e.g. conformance to required RBWS-509-1-02 slope, embedment, alignment, plumbness (<20 mm / m), elevation, / location (<150 mm) & spacing х RBWS-509-1-03 Piles provided with gradation marks (stockpile) / Χ RBWS-509-1-05 Compliance to the required splicing / RBWS-509-1-06 No corrosion on steel sheet piles 1 х 1 RBWS-509-1-07 Non-use of deformed steel bars х RBWS-509-1-08 Attainment of required number of piles / х 1 х / х 1 х 1 Х 1 Х 1 х 1 1 Х 1 х 1 х / \_X\_ 1 Total Score (a) CAR Total Was subcontractor used? If yes, name of company and owner: \_\_\_\_\_ & \_\_ No. of Indicators (b) Date: / / Entered by:\_\_\_ Rate = (a) / (b) Rate

VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
509-2 Concrete S	heet Pile			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	6	
RBWS-509-2-01	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm)	/	X	
RBWS-509-2-02	Piles provided with gradation marks (driven)	/	=X	
RBWS-509-2-03	Conformance to the required quality of concrete mix	/	=X	
RBWS-509-2-04	No cracks	/	=X	
RBWS-509-2-05	Conformance to the approved/required tolerances for length, width, thickness and/or diameter	/	X	
		/	=X	
Minor				
RBWS-509-2-01	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (<20 mm / m), elevation, location (<150 mm)	/	X	
RBWS-509-2-02	Piles provided with gradation marks (stockpile)	/	=X	
RBWS-509-2-06	Conformance to the required casting length	/	X	
RBWS-509-2-07	Provision of pile shoe	/	=X	
RBWS-509-2-08	Compliance to required curing of casted sheet piles	/	X	
RBWS-509-2-09	Compliance to required splicing	/	X	
RBWS-509-2-10	No honeycomb, stone pockets and bulging	/	X	
RBWS-509-2-11	Conformance to the required centerline and cut-off elevation	/	=X	
RBWS-509-2-12	Attainment of required number of piles	/	=X	
		/	=X	
_		/	=X	
		/	=X	
	r used? If yes, name of company and owner:		Total Score (a) = No. of Indicators (b)	CAR Total
	Date: / /		= Rate = (a) / (b)	
			= Rate	

\_\_VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50			
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
509-3 Timber She	eet Piles			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	6	
RBWS-509-3-01	Conformance of in-placed materials to plans & specifications	/	X	
RBWS-509-3-02	Conformance to construction methodology (installation, location and type)	/	X	
RBWS-509-3-03	Conformance to splicing requirements	/	=X	
RBWS-509-3-04	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness (>20 mm / m), elevation, location (>150 mm) & spacing	/	X	
RBWS-509-3-05	Piles provided with gradation marks (driven)	/	X	
RBWS-509-3-06	Conformance to approved/specified tolerances for length, width, thickness and/or diameter	/	X	
Minor				
RBWS-509-3-04	Conformance to proper installation, e.g. conformance to required slope, embedment, alignment, plumbness ( $\leq$ 20 mm / m), elevation, location ( $\leq$ 150 mm) & spacing	/	X	
RBWS-509-3-05	Piles provided with gradation marks (stockpile)	/	=X	
RBWS-509-3-07	No worm holes, decays, warps, ring, segregation, splits and loose knots	/	=X	
RBWS-509-3-08	Non-splintering/brooming of timber pile end beyond specified allowance	/	=X	
RBWS-509-3-09	No cracks	/	=X	
RBWS-509-3-10	Provision of pile cap	/	=X	
RBWS-509-3-11	Attainment of required number of piles	/	=X	
		/	=X	
	r used? If yes, name of company and owner:		Total Score (a) = No. of Indicators (b)	CAR Total
	Date: / /		= Rate = (a) / (b)	

VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

#### Factor : "During Construction" = 0.40; "Upon Completion" = 0.50 INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of Score Action Results Sub-item Code the indicators in the said spot. Further, if the number of complying spots is \_ x factor Monitor less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0). Item 510 Concrete Slope Protection \* Refer to Section 11.4a of the CPES Guidelines for definition of Major Defects Major\* X RBWS-510-01 No honeycomb (exposed rebars/aggregates) 1 1 х RBWS-510-02 No through cracks / х Minor 1 х RBWS-510-01 No honeycomb х RBWS-510-02 No cracks / \_X\_ RBWS-510-03 Conformance to the required curing 1 Х RBWS-510-04 Proper vibration 1 Х RBWS-510-05 / Proper finishes/plastering х RBWS-510-06 No corrosion on steel bars 1 х RBWS-510-07 Forms applied with specified form oil 1 \_X\_ RBWS-510-08 Conformance to the required splicing and installation of rebars 1 х RBWS-510-09 Adequate and proper spacing of weepholes 1 х / \_X\_ 1 1 Χ\_ 1 х 1 х / \_X\_ 1 х 1 х / Х / \_X\_ 1 \_X\_ / CAR Total Total Score (a) Was subcontractor used? If yes, name of company and owner: \_\_\_\_\_ & \_\_ No. of Indicators (b) Date: / / Entered by:\_\_\_\_\_ Rate = (a) / (b) Rate

\_\_VISIT

PROJECT ID/NO.:\_\_\_\_ PROJECT TYPE: Road & Bridge LOCATION:

ITEM: Drainage & Slope Protection DATE OF VISIT: / /

Factor : "During	Construction" = 0.40; "Upon Completion" = 0.50 INDICATORS			
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 511 Gabions	s & Mattresses			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	or Defects	5	
RBWS-511-01	Conformance to the required/approved tolerance for lines grades, dimensions and arrangements as shown on the plans and designated location (>10%)	/	X	
RBWS-511-02	Conformance to specifications (size, type, weight, etc. of boulders)	/	X	
Minor				
RBWS-511-01	Conformance to the required/approved tolerance for lines grades, dimensions and arrangements as shown on the plans and designated location ( $\leq$ 10%)	/	X	
RBWS-511-03	Conformance to the required wire mesh cage fabrication requirement	/	=X	
RBWS-511-04	No misalignment, bulging	/	X	
RBWS-511-05	Conformance to the required lapping requirement	/	=X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
		/	X	
Item 602 Monum	ents, Markers and Guide Posts			
RBWS-602-01	Conformance to required/approved tolerance for lines, grades and dimensions	/	X	
RBWS-602-02	Conformance to painting requirement	/	=X	
RBWS-602-03	Provision of the required warning reflectors	/	=X	
RBWS-602-04	Conformance to the design and location as shown on the plans	/	X	
		/	X	
		/	X	
		/	=X	
Was subcontracto	r used? If yes, name of company and owner:	-	Total Score (a) =	CAR Total
	&		No. of Indicators (b) =	
Entered by:	Date: / /		Rate = (a) / (b)	
			– Rate	

 PROJECT ID/NO.:
 PROJECT TYPE: Bridge

 \_\_\_\_VISIT
 LOCATION:

ITEM: Guardrail DATE OF VISIT: / /

Tactor . During				
Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
ltem 603 - Guard				
603-1 Steel or Al		an Defect		
<i>Major*</i> RBWS-603-1-01	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj Conformance to the required/approved tolerance for lines, grades		sx	
	and dimensions (>6%)	/	=	
<i>Minor</i> RBWS-603-1-01	Conformance to the required/approved tolerance for lines, grade,		х	
KDW3-003-1-01	and dimensions (<6%)	/	=X	
RBWS-603-1-02	Sufficient paint	/	=X	
RBWS-603-1-03	Sufficient galvanizing	/	=X	
RBWS-603-1-04	Non-appearance of rust on steel	/	=X	
RBWS-603-1-05	Conformance with the design and location as shown on the plans	/	=X	
RBWS-603-1-06	Conformance to required installation (lapping, provision of bolts, nuts & washers)	/	X	
		/	X	
		/	X	
		/	X	
(see common iten reinforcing steel b	ns of works for checklist on formworks, ars and concrete)	1	X	
		/	=	
603-3 Timber				
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj Conformance to the required/approved tolerance for lines, grades	or Defect	s X	
RBWS-603-3-01	and dimensions	/	=^	
Minor	Conformance to the approved/required teleropee for lines, grades		×	
RBWS-603-3-01	Conformance to the approved/required tolerance for lines, grades and dimensions	/	=X	
RBWS-603-3-02	No splitting of timber	/	=X	
RBWS-603-3-03	No insect attack	/	X	
RBWS-603-3-04	No decay of timber especially at the base of the posts and joints between posts and rails	/	=X	
RBWS-603-3-05	Conformity with the design and location as shown on the plans	/	=X	
RBWS-603-3-06	Proper application of preservatives	/	=X	
		/	X	
		/	=X	
Was subcontracto	or used? If yes, name of company and owner:		Total Score (a) = No. of Indicators (b)	CAR Total
Entered by:	Date: / /		Rate = (a) / (b)	
			= Rate	
			=	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Bridge
LOCATION: \_\_\_\_\_

ITEM: Guardrail DATE OF VISIT: / /

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
603-4 Masonry				
Major				
RBWS-603-4-01	Conformance to the required quality of mixture	/	=X	
RBWS-603-4-02	Conformance to the required quality of CHB, stones and boulders	/	X	
RBWS-603-4-03	Conformance to the required/approved tolerance for lines grades and dimensions	/	X	
Ninor				
RBWS-603-4-03	Conformance to the required/approved tolerance for lines, grades and dimensions	/	X	
BWS-603-4-04	No cracks	/	X	
BWS-603-4-05	Conformance to the design and location as shown on the plan	/	X	
		/	x	
		/	X	
		/	=X	
		/	= X	
			=X	
		/	= x	
		/	= X	
		/	=X	
		/	=	
		/	=X	
Vac cuboontract-	rupod? If you name of company and owner		Total Score (a)	CAR Total
	r used? If yes, name of company and owner:		= No. of Indicators (b)	
intered by:	Date: / /		= Rate = (a) / (b)	
			=	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Road
LOCATION: \_\_\_\_\_

ITEM: Miscellaneous Work DATE OF VISIT: / /

Note: Spots with a single major defect shall forfeit all points for the rest of Score Action	-actor : "During	Construction" = 0.40; "Upon Completion" = 0.50			
tem 607 Profective Pavement Studs		Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results		Action Monitor
Image: Conformance to the required materials for road signs pavement       /					
RSWS-60_02       Imarkings and reflective pavement studs       /       =					
RBWS-6002       Proper preparation of pavement surface prior to paint application       /	RBWS-6001		/	X	
KBWS-6002       (Item 606)       //       //       =	Minor				
NBWS-6003       Specifications for Public Works & Highways, Vol.II, 1995       /       =       X         RBWS-6004       Cracking, peeling off of paints       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X         Image: Specifications for Public Works & Highways, Vol.II, 1995       /       =       X       X       X         Item 608 Topsoil, Item 609 Spriggings, Item 610 Sodding, Item 611 Tree Planting       /       =       X       X       X       X       X       X       X       X       X       X       X       X       X		(Item 606)	/	=	
KBWS-6004       Cracking, peeing off of paints       / / =	RBWS-6003		/	=	
Image: second	RBWS-6004	Cracking, peeling off of paints	/	=	
//       =			/	=	
//       =			/	=	
//       =			/	=	
/       =			/	=	
Image: state of the second state of			/	=	
tem 608 Topsoil, Item 609 Spriggings, Item 610 Sodding, Item 611 Tree Planting         RBWS-601       Conformance to appropriate type, thickness and density of soil       / _ =			/	=	
RBWS-601       Conformance to appropriate type, thickness and density of soil       / =			/	=X	
dsws-601       Conformance to appropriate type, thickness and density of soil       / =	tem 608 Topsoil,	Item 609 Spriggings, Item 610 Sodding, Item 611 Tree Planting			
RBWS-602       Conformance to approved slope       // =	RBWS-6 01	Conformance to appropriate type, thickness and density of soil	/	=	
RBWS-603       Conformance to the required type of grass/planting materials       /	RBWS-6 02	Conformance to approved slope	/	=	
XBWS-604       Healthy, dense, well rooted       / =         XBWS-605       Free from weeds or undesirable grasses       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =       / =         / =	RBWS-6 03	Conformance to the required type of grass/planting materials	/	=	
RBWS-605       Pree from weeds or undesirable grasses       /       =	RBWS-6 04	Healthy, dense, well rooted	/	=	
/       =       //       =       //         /       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =       //       =       //         //       =        //       =      <	RBWS-6 05	Free from weeds or undesirable grasses	/	=	
/       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         /       =       /       =       /         //       =       /        /         //       =       /        /         //       =       /        /         //       =       /        /         //       =       /        /          //       =       /         /          //       =               //       = <t< td=""><td></td><td></td><td>/</td><td>=</td><td></td></t<>			/	=	
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/       =       /      X         /      X      X         /      X          /      X          /      X          /			/	=	
/       =       /      X			/	=	
/       =			/	=	
Nas subcontractor used? If yes, name of company and owner:       =			/	=	045 7
Entered by: Date: / / = Rate = (a) / (b) =				=	CAR Total
=				=	
Rate	-mereu by			=	
=				Rate =	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_VISIT PROJECT TYPE: Road & Bridge

ITEM: Common Items of Work DATE OF VISIT: / /

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 900 Formw				
RBWS-900-01	Conformance to the required type of formworks in accordance with	/	X	
	approved shop/working drawings	-	=X	
RBWS-900-02	Forms coated with mould oil as required	/	= X	
RBWS-900-03	Sufficient bracing/support provided	/	=	
RBWS-900-04	No loose knots, splits, cracks, etc.	/	=X	
RBWS-900-05	Provision of required concrete or steel spacer	/	=X	
RBWS-900-06	Conformance to dimensions, location, plumbness and alignment	/	=X	
RBWS-900-07	Provision of camber during construction stage	/	X	
		/	X	
		/	= X	
		/	= X	
		-	= X	
Item 901 Reinfor	cing Steel Bars (including tendons for Pre/Post-	/	=	
Stressed concre	te)			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Maj		X	
RBWS-901-01	Conformance of in-placed materials to plans & specifications	/	=	
RBWS-901-02	Non-appearance of corrosion on steel reinforcement	/	=X	
Minor			X	
RBWS-901-02	Non-appearance of rust on steel reinforcement	/	=	
RBWS-901-03	Conformance to approved bar cutting schedule, proper spacing, anchorage, adequate reinforcements	/	=X	
RBWS-901-04	No sign of oil, paint and other deleterious materials on reinforcements	/	=X	
RBWS-901-05	Conformance to jointing requirement, i.e. splicing, welding, etc.	/	X	
RBWS-901-06	Conformance to the required installation of ducktube e.g. (spacing, location and distance)	/	X	
RBWS-901-07	Conformance to the required steel plate and lock	/	X	
RBWS-901-08	Conformance to the number of bundles of tendons and number of pieces of bundles of tendons	/	X	
		/	x	
		/	X	
		/	= X	
Moo oubcontro st		,	= Total Score (a)	CAR Total
	or used? If yes, name of company and owner:		No. of Indicators (b)	
Entered by:	Date: / /		Rate = (a) / (b)	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_\_VISIT

PROJECT TYPE: Road & Bridge LOCATION: \_\_\_\_\_

ITEM: Common Items of Work DATE OF VISIT: / /

Sub-item Code	INDICATORS Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that specific item of work is zero (0).	Results	Score x factor	Action Monitor
Item 902 Concre	te Works			
Major*	* Refer to Section 11.4a of the CPES Guidelines for definition of Ma	jor Defects	S	
RBWS-902-01	No through of cracks	/	=X	
RBWS-902-02	No honeycomb or spalling (no exposed rebars/aggregates)	/	=X	
RBWS-902-03	No sagging or bulging	/	X	
RBWS-902-04	Conformance to the required quality of concrete mix	/	X	
RBWS-902-05	Provision of camber for RCDG (reinforced concrete for deck girder)	/	X	
Minor				
RBWS-902-01	No cracks	/	=X	
RBWS-902-02	No honeycomb or spalling	/	X	
RBWS-902-03	No sagging or bulging	/	=X	
RBWS-902-06	No chipping off of concrete cover	/	=X	
RBWS-902-07	Proper and adequate vibration	/	X	
RBWS-902-08	Conformance to finishing/plastering requirement	/	=X	
RBWS-902-09	Conformance to the required concrete cover for rebars	/	=X	
RBWS-902-10	Conformance to the batching, mixing, transporting and discharge time requirements	/	=X	
RBWS-902-11	Conformance to placing requirement that will not result segregation of aggregates, cold joints and misalignment	/	=X	
RBWS-902-12	Conformance to the jointing requirement	/	X	
RBWS-902-13	Proper curing	/	=X	
RBWS-902-14	Conformance to required dimensions, lines, grades/elevation locations and crown (for pier)	/	=X	
RBWS-902-15	No water ponding on bearing plates	/	=X	
RBWS-902-16	Conformance to elevation of expansion joints	/	=X	
		/	=X	
	or used? If yes, name of company and owner:		Total Score (a) No. of Indicators (b)	CAR Total
	Date: / /		Rate = (a) / (b)	
			Rate =	

PROJECT ID/NO.: \_\_\_\_\_ \_\_\_\_VISIT PROJECT TYPE: Road & Bridge LOCATION: \_\_\_\_\_

ITEM: Shotcrete DATE OF VISIT: / /

Sub-item Code       Nore: Spots with a single major defect shull forful all points for the rest of the indicators in the subt sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for that set sot. Further, it the number of spots, the rating for the ra	actor. During	Construction" = 0.40; "Upon Completion" = 0.50 INDICATORS			
Major         * Refer to Section 11.4 a of the CPES Guidelines for definition of Major Defects           RBWS-903-01         Conformance to the required quality of concrete mix as per /	Sub-item Code	Note: Spots with a single major defect shall forfeit all points for the rest of the indicators in the said spot. Further, if the number of complying spots is less than fifty percent (50%) of the total number of spots, the rating for that			Action Monitor
RBWS-903-01       Conformance to the required quality of concrete mix as per first specification       /	Item 903 Shotcre	te			
RBWS-903-02       Conformance to the required thickness of concrete       / / =	Major*			6	
RBWS-903-02         Conformance to the required thickness of concrete         /         _	RBWS-903-01		/	=X	
Normality         Size and dimension as per plan         /         =           RBWS-903-04         and dimension per specification         /         =         X           RBWS-903-05         Compliance to use of appropriate shotorete machine/equipment         /         =         X           Minor         //         =         X         =         X           Minor         //         =         X         =         X           RBWS-903-06         No cracks, honeycomb or spalling         //         =         X         =           RBWS-903-07         Rockbolt filling materials conforms to the required specification         //         =         X         =           RBWS-903-08         Conformance to the required concrete cover for rebar/wire mesh         //         =         X         =           RBWS-903-10         Conformance to the required size and type of materials for //         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =         X         =	RBWS-903-02			X	
RBWS-903-04       and dimension per specification       / / =	RBWS-903-03		/	X	
RewS-903-05         Compliance to use of appropriate shotcrete machine/equipment         //	RBWS-903-04		/	X	
Minor       // =         RBWS-903-06       No cracks, honeycomb or spalling       // =         RBWS-903-07       Rockbolt filling materials conforms to the required specification       // =         RBWS-903-08       Conformance to the required concrete cover for rebar/wire mesh       // =         RBWS-903-09       Adequate and proper spacing of weepholes       // =         RBWS-903-10       Conformance to the required size and type of materials for weepholes as per specification       // =         RBWS-903-10       Conformance to the required size and type of materials for // =	RBWS-903-05	Compliance to use of appropriate shotcrete machine/equipment	/	X	
RBWS-903-06       No cracks, honeycomb or spalling       //      X         RBWS-903-07       Rockobot filling materials conforms to the required specification       //      X         RBWS-903-08       Conformance to the required concrete cover for rebar/wire mesh       //      X         RBWS-903-09       Adequate and proper spacing of weepholes       //      X         RBWS-903-10       Conformance to the required size and type of materials for weepholes as per specification       //      X         RBWS-903-10       Conformance to the required size and type of materials for weepholes as per specification       //      X         RBWS-903-10       Conformance to the required size and type of materials for weepholes as per specification       //      X         Image: Conformance to the required size and type of materials       //      X         Image: Conformance to the required size and type of materials       //			/	=X	
ReWS-903-06       No cracks, noneycomb or spalling       /	Minor				
RewS-903-07       Rockboit filling materials conforms to the required specification       /       =	RBWS-903-06	No cracks, honeycomb or spalling	/	X	
RBWS-903-08       Conformance to the required concrete cover for rebar/wire mesh       / =	RBWS-903-07	Rockbolt filling materials conforms to the required specification	/	=X	
RBWS-903-10       Conformance to the required size and type of materials for weepholes as per specification       /	RBWS-903-08	Conformance to the required concrete cover for rebar/wire mesh	/	=	
Nows-south weepholes as per specification       /       =	RBWS-903-09			=X	
/       =	RBWS-903-10		/	=X	
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