

Agreed measurable milestones to ensure works completion in accordance with Contractor's Work Program - SECTION 2  
 UPDATED: Iulie 2017

№	Description	Unit	Responsible	Means of verification	Deadline dates	Total quantity	Progress % at 15.03.2017	Months																
								Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	
1	Claims evaluation and determination		Contractor / Engineer	Employer's verification	01.06.2017																			
2	Mobilization of Contractor's remaining equipment	Total units	Contractor	Engineer's verification	01.05.2017																			
3	Application to ICE for appointment of DB sole member		Contractor / Employer	Engineer's verification	01.05.2017																			
4	Submission and approval of wearing course mix design		Contractor / Engineer	Engineer's verification	01.06.2017																			
5	<b>Earthworks</b>																							
5.1	Excavation of soil	Cu.m	Contractor	Engineer's verification	Monthly	61 384	7%	7%	7%	8%	14%	31%	50%	71%	91%	100%								
5.2	Embankment construction	Cu.m	Contractor	Engineer's verification	Monthly	26 421			0%	8%	23%	42%	62%	82%	100%									
6	<b>Road Works</b>																							
6.1	Widening sections	Meter layer per design width (1)	Contractor	Engineer's verification	Monthly	107 080	1%	1%	1%	11%	35%	58%	82%	100%										
6.2	Repair of existing pavement	Meter per half width of existing road (3)	Contractor	Engineer's verification	Monthly	33 760			0%	6%	22%	39%	57%	75%	92%	100%								
6.3	Reconstruction sections	Meter layer per half width of carriageway (2)	Contractor	Engineer's verification	Monthly	8 320			0%	7%	25%	43%	63%	83%	100%									
6.4	Regulating layer	Meter per half width of carriageway	Contractor	Engineer's verification	Monthly	16 880				9%	21%	36%	53%	82%	100%									
6.5	Binder layers	Meter layer per half width of carriageway (4)	Contractor	Engineer's verification	Monthly	36 966							9%	36%	66%							100%		
6.6	Wearing course 40mm	Meter per half width of carriageway	Contractor	Engineer's verification	01.04.2017 01.06.2018	17 920															25%	100%		
7	<b>Culverts</b>																							
7.1	Culverts Extension	Number	Contractor	Engineer's verification	01.08.2017	5				14%	58%	100%												
7.2	Culverts new construction	Number	Contractor	Engineer's verification	15.06.2017	4				75%	100%													
8	<b>Bridges</b>																							
8.1	Bridge at km 44+744 (driven piles up to 18.9.2017)	Number (5)	Contractor	Engineer's verification	Monthly	1						15%	33%	39%	43%	46%	49%	52%	55%	59%	71%	90%	100%	
8.2	Bridge at km 46+863 (driven piles up to 10.7.2017)	Number (6)	Contractor	Engineer's verification	Monthly	1					8%	24%	40%	54%	68%	70%	72%	74%	76%	78%	88%	100%		
8.3	Bridge at km 49+330 (driven piles up to 14.10.2016)	Number (7)	Contractor	Engineer's verification	Monthly	1	24%	24%	28%	28%	50%	76%	100%											
8.4	Bridge at km 52+012	Number (8)	Contractor	Engineer's verification	Monthly	1						11%	33%	58%	80%	85%	86%	87%	88%	89%	90%	100%		
8.5	Bridge at km 53+969 (driven piles up to 1.11.2016)	Number (9)	Contractor	Engineer's verification	Monthly	1	26%	26%	28%	28%	41%	57%	71%	85%	100%									
8.6	Bridge at km 64+756	Number (10)	Contractor	Engineer's verification	Monthly	1	22%	22%	22%	25%	31%	39%	46%	53%	61%	68%	75%	77%	79%	81%	83%	85%	92%	100%
8.7	Precast beams	Number	Contractor	Engineer's verification	Monthly	50	10%	10%	10%	10%	17%	33%	48%	62%	78%	93%							100%	
9	<b>Drainage</b>																							
9.1	Drainage - Earth ditches	Meter	Contractor	Engineer's verification	Monthly	9 174								15%	31%							63%	100%	
9.2	Drainage - Concrete ditches	Meter	Contractor	Engineer's verification	Monthly	3 234							24%	76%	100%									
9.3	Drainage - Kerbs	Meter	Contractor	Engineer's verification	Monthly	1 641																80%	100%	
10	<b>Other works</b>																							
10.1	Minor Intersections	Number	Contractor	Engineer's verification	Monthly	64				3%	20%	36%	54%	69%	76%							92%	100%	
10.2	Acceleration lanes, bus laybus, etc.	Meter	Contractor	Engineer's verification	Monthly	2 434				3%	20%	36%	53%	69%	76%							92%	100%	
10.3	Property accesses	Number	Contractor	Engineer's verification	Monthly	148							28%	76%	100%									
10.4	Walkways	Meter	Contractor	Engineer's verification	Monthly	6 538						16%	33%	49%	57%							73%	90%	100%
11	<b>Road safety</b>																							
11.1	Signs	Number	Contractor	Engineer's verification	Monthly	1 070									19%							58%	100%	
11.2	Marking	Sq.m	Contractor	Engineer's verification	Monthly	6 795																15%	100%	
11.3	Guardrail	Meter	Contractor	Engineer's verification	Monthly	1 778																100%		
12	<b>Stock piles</b>																							
12.1	Sand 0-5mm Varancau	Cu.m	Contractor	Engineer's verification	Monthly	23 110	13%	13%	13%	19%	30%	52%	77%	100%										
12.2	0-40mm Crushed limestone M600	Cu.m	Contractor	Engineer's verification	Monthly	18 457	7%	7%	7%	12%	22%	43%	66%	88%	100%									
12.3	0-40mm Crushed stone M1000	Cu.m	Contractor	Engineer's verification	Monthly	14 400	19%	19%	19%	24%	33%	50%	69%	89%	100%									
12.4	0-40mm Crushed limestone M300	Cu.m	Contractor	Engineer's verification	Monthly	7 754	29%	29%	29%	29%	29%	29%	48%	67%	86%	100%								
12.5	0-5mm Cosauti	Ton	Contractor	Engineer's verification	Monthly	30 755	6%	6%	6%	12%	18%	30%	44%	58%	70%	82%	90%					100%		
12.6	5-10mm Cosauti	Ton	Contractor	Engineer's verification	Monthly	17 100	11%	11%	11%	16%	21%	33%	45%	57%	68%	79%	88%					100%		
12.7	10-20mm Cosauti	Ton	Contractor	Engineer's verification	Monthly	31 584	7%	7%	7%	7%	7%	13%	15%	14%	13%	100%								

- (1) Total length: 21416 m x 5 layers (Subgrade preparation + Sand + Crushed limestone + Crushed granite + Coarse grained porous asphalt 85mm) = 107080 m
- (2) Total length: 1040 m x 4 layers 2x(Subgrade preparation + Sand + Crushed limestone + Crushed granite) = 8320 m
- (3) Total length: 16880 m x 2 (Pothole patching + grouting of cracks + milling + selectiv milling) = 33760 m
- (4) Total length: 824 m x 2 ( Fine grained porous asphalt 40mm + Fine grained porous asphalt 60mm + Coarse grained porous asphalt 70mm) = 1648 m
- (5) Total 100% / 6 milestones (1 Bypass = 17%; 2 Demolition of bridge elements = 16%; 3 Construction of piers and abutments = 16%; 4 Instalation of bridge beams = 16%; 5 Construction of bridge deck elements = 18%; 6 Construction of bridge approaches and protection of the semicone = 17%)
- (6) Total 100% / 10 milestones 2x(1 Demolition of bridge elements = 10%; 2 Construction of piers and abutments = 10%; 3 Instalation of bridge beams = 10%; 4 Construction of bridge deck elements = 10%; 5 Construction of bridge approaches and protection of the semicone = 10%)
- (7) Total 100% / 7 milestones ( 1 Bypass = 14%; 2 Demolition of bridge elements = 14%; 3 Construction of piers and abutments = 14%; 4 Instalation of bridge beams = 14%; 5 Construction of bridge deck elements = 14%; 6 Construction of bridge approaches and protection of the semicone = 15%; 7 Concrete river bed = 15%)
- (8) Total 100% / 10 milestones 2x(1 Demolition of bridge elements = 10%; 2 Construction of piers and abutments = 10%; 3 Instalation of bridge beams = 10%; 4 Construction of bridge deck elements = 10%; 5 Construction of bridge approaches and protection of the semicone = 10%)
- (9) Total 100% / 7 milestones ( 1 Bypass = 14%; 2 Demolition of bridge elements = 14%; 3 Construction of piers and abutments = 14%; 4 Instalation of bridge beams = 14%; 5 Construction of bridge deck elements = 14%; 6 Construction of bridge approaches and protection of the semicone = 15%; 7 Concrete river bed = 15%)
- (10) Total 100% / 8 milestones 2x(1 Demolition of bridge elements = 12.5%; 2 Construction of the in-situ slabs = 12.5%; 3 Construction of bridge deck elements = 12.5%; 4 Repair and construction of semicone = 12.5%)

(11) 

10%	15%	Achievement

◆ Main Milestone  
 ◆ Interim Milestone

CONTRACTOR:

ENGINEER:

EMPLOYER:

CONTRACTOR:

DATE: 15 March 2017 ENGINEER:

DATE: 15 March 2017 EMPLOYER:

DATE: 15 March 2017