



Agreed measurable milestones to ensure works completion

Milestone	Date	Carried out on:	Responsible	Means of verification	Delays	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17		
1. Approval of outstanding Construction Drawings																			
1.1 Construction Drawings for road works between km 0+000-km 2+000																			
(a) Comments from SE issued to Contractor	20-Jan-17	20-Jan-17	Engineer	Handed over to Contractor		◆													
(b) Revised CD submitted to Engineer	10-Feb-17	06-Feb-17 22-Feb-17	Contractor	Handed over to Engineer			◆												
(c) Review by Engineer	28-Feb-17	15-Feb-17 23-Feb-17	Engineer	Handed over to Employer				◆											
(c) Approval of Construction verified by State Expertize	31-Mar-17	30-Mar-17	Employer	Handed over to Contractor					◆										
1.2 Construction Drawings for road works between km 15+850-km 18+200																			
(a) CD submitted to Engineer	23-Jan-17	20-Jan-17	Contractor	Handed over to Engineer		◆													
(b) Review by Engineer	31-Jan-17	31-Jan-17 12-Apr-17	Engineer	Handed over to Employer			◆												
(c) Approval of Construction verified by State Expertize	28-Feb-17	19-Apr-17	Employer	Handed over to Contractor	50 days			◆											
1.3 Construction Drawings for replacement of bridge at km8+844 km14+360 km25+387																			
(a) Review by Engineer	26-Jan-17	26-Jan-17 10-May-17 20-Jun-17	Engineer	Handed over to Employer	104 days	◆													
(b) Approval of Construction verified by State Expertize	28-Feb-17	14-Jul-17	Employer	Handed over to Contractor	136 days			◆											
1.4 Construction Drawings for bridge at km 27+569, and km 36+402																			
(a) Response to Contractors Letter 1653	28-Jan-17	12-Apr-17	Employer	Handed over to Contractor	79 days			◆											
(b) Revised CD submitted to Engineer (if necessary)	10-Feb-17	26-Apr-17	Contractor	Handed over to Engineer	74 days	◆													
(c) Review by Engineer	28-Feb-17	04-May-17	Engineer	Handed over to Employer	65 days			◆											
(c) Approval of Construction verified by State Expertize	31-Mar-17	18-May-17	Employer	Handed over to Contractor	48 days				◆										
1.5 Construction Drawings for bridge at km 29+498																			
(a) Review by Engineer	30-Jan-17	30-Jan-17	Engineer	Handed over to Employer		◆													
(b) Approval of Construction verified by State Expertize	28-Feb-17	06-Mar-17	Employer	Handed over to Contractor	6 days			◆											
1.6 Technical Solution for embankment slope design at km 9+750-km 11+050																			
(a) Detailed proposal, justifications and geotechnical survey, if required,	27-Jan-17	09-Feb-17	Contractor	Handed over to Engineer	13 days	◆													
(b) Review by Engineer	03-Feb-17	20-Apr-17	Engineer	Handed over to Employer	76 days		◆												
(c) Approval of proposal by Employer (if acceptable)	10-Feb-17		Employer	Handed over to Contractor	189 days		◆												
1.7 Sources of material in sufficient capacity of the total volume of embankment works (80 000 m ³)																			
Contractor	15-Mar-17		Contractor	Engineer's verification	156 days			◆											
2 Relocation of Utilities																			
2.1 Identification of owners of utilities																			
Contractor	05-Feb-17	24-Jan-17	Contractor	Engineer's verification		◆													
2.2 Technical Conditions of utility owners																			
Employer	27-Feb-17	17-Mar-17 04-May-17 23-May-17	Employer	Handed over to Contractor	172 days		◆												
2.3 Design and construction drawings for relocation of utilities																			
Contractor	31-Mar-17	22-May-17 15-June-17 04-Aug-17 ongoing	Contractor	Engineer's verification	140 days			◆											
2.4 Engineer's review																			
Engineer	14-Apr-17	28-June-17 ongoing	Engineer	Handed over to Employer	126 days				◆										
2.5 Employer's review and approval of drawings																			
Employer	14-May-17		Employer	Handed over to Contractor	96 days					◆									
2.6 Submission of Subcontractor's proposals for relocation of utilities:																			
Contractor	15-Feb-17	22-May-17 ongoing	Contractor	Approval by Employer	184 days		◆												
Employer/Engineer	28-Feb-17		Employer/Engineer	Approval by Engineer	171 days			◆											
3. Approval of Subcontractors for relocation of utilities																			
4. Stock piles of materials for the main items of works to be established for:																			
a) embankments fill, on site or in contractor's borrow pit sufficient for remaining works 80 000 m ³																			
Contractor	15-Mar-17		Contractor	Engineer's verification	156 days			◆											
b) ballast sufficient delivery by month (tons)																			
Contractor	monthly		Contractor	Supplies to commence immediately and increase progressively to the target quantity by March 2017			1400	◆	2800	◆	3000	◆	3000	◆	3000	◆	3000	◆	
c) cement stabilised base delivery by month (tons)																			
Contractor	monthly	Stockpiles zero due to lack of identification plates in Vatra site	Contractor					600	◆	2000	◆	2500	◆	2500	◆	2500	◆	2500	◆
d) coated macadam delivery by month (tons)																			
Contractor	monthly		Contractor					200	◆	600	◆	900	◆	900	◆	900	◆	900	◆
e) binder sufficient delivery by month (tons)																			
Contractor	monthly		Contractor						5000	◆	6000	◆	6000	◆	6000	◆	6000	◆	

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f) wearing course sufficient for 4 days production:	monthly		Contractor								5800	5800	5800	5800	5800		
5.1 Submission of Variation Order for Construction Drawings for roads, culverts and bridges	31-Mar-17	08-Aug-17	Contractor/Engineer	Handed over to Employer	130 days												
5.2 Approval of Variation Order Order for change of quantites in Construction Drawings	31-May-17		Employer/EBRD	Handed over to Contractor	79 days												
6.1 Submission of Variation Order Utilities	31-May-17		Contractor/Engineer	Handed over to Employer	79 days												
6.2 Approval of Variation Order Utilities	15-Jul-17		Employer/EBRD	Handed over to Contractor	34 days												
7. Appointment of DB sole member	28-Feb-17	09-Feb-17	Employer/ Contractor	DB agreement													
7.1) Contractor's response	31-Jan-17	09-Feb-17	Contractor		9 days												
7.2) appointment	28-Feb-17	02-Mar-17	Employer		2 days												
8. Replacement/reinforcing of the Contractor's personnel, including Contractor's Representative, New organizational scheme exclusivly to Contract RSP/W5/02	31-Jan-17		Contractor	Organization Chart, CVs, Confirmed presence on site	199 days												
9. Mix designs for wearing course																	
9.1) trial section	30-Apr-17		Contractor	Engineer's verification	110 days												
9.2) approval	31-May-17	16-Jun-17 provisionally	Engineer	Engineer's verification	16 days												
10. Mobilization of equipment exclusivly to Contract RSP/W5/02	28-Feb-17	13-Apr-17	Contractor	Submission of list of equipment	44 days												
	31-Mar-17	29-Apr-17	Contractor	Evidence of presence on site	29 days												
11. Submission of revised work programme	31-Jan 2017	08-Feb-17	Contractor		8 days												
12. Monthly progress of works, as per Contractor's revised work programme	Monthly		Contractor	IPS issued													
13. Completion of works	17-Dec-17		Contractor	Taking over certificate													

main milestone 
interim milestone 

Agreed by

Employer

Engineer

Veaceslav TELEMAN

Gheorghe CHELARU

Date _____

Date _____

Contractor _____

Shahbaz GASIMOV

Date _____

Signed in 5 copies