

28th April 2020

TO ALL BIDDERS

ADDENDUM No.2 ; TENDER CLARIFICATION FOR ROAD REHABILITATION AND MAINTENANCE WORKS FOR FY 2019/2020.

Pursuant to Clause 75 of the PPADA (2015) and Clause 7 of the tender documents, Kenya Wildlife Service wishes to make the following clarifications on the following tenders.

1. Tender No. KWS/OT/ RMLF /33/2019-2020–Tender for the **Routine Maintenance of Junct A109 – Chyulu Gate Road C103 And (Junct C102) Kimana – Chyulu Gate Road C103** in Tsavo West National Park.
 - Delete **Table 3.3-Techincal Score Sheet** appearing on **page 27** of the tender document and replace it with the new Table 3.3-Techincal Score Sheet on **Page 3** of this Addendum No 2.
2. Tender No. KWS/OT/ RMLF /38/2019-2020–Tender for the **Routine Maintenance of Ngobit - Rhino Gate -Shamata /Shamata Gate-Airstrip/Airstrip –Kaheho & Shamata-Kwa Mururi Roads** in Aberdare National Park.
 - Delete the Bill Of Quantity for **Routine maintenance of Ngobit-Rhino Gate –Shamata Road** in Aberdare National Park on **Page 110** of the tender document, including the one appearing on **page 4 and 5** of the Addendum No. 1 and **replace it with the BOQ on Page 4** of this Addendum No.2. The BOQs for the other roads under this tender remains the same. In addition, the total budget allocated for all these roads remains as before.
3. Tender No. KWS/OT/ RMLF /39/2019-2020–Tender for the **Routine Maintenance Of Junction D448-Mt Kenya Park Hqs/Sirimon Gate -Old Moses/Park Headquarters-Met Station/Kalalu Farm-Sirimon Gate Road** in Mt. Kenya National Park.
 - Delete the BOQ for Thigithi bridge appearing on **Page158** of the Tender Document and replacing it with the BOQ on **Page 5** of this Addendum No. 2
 - Delete **Table 3.3-Techincal Score Sheet** appearing on **page 27** of the tender document and replace it with the new Table 3.3-Techincal Score Sheet on **Page 6** of this Addendum No 2.

The BOQs for the other roads under this tender remains the same. In addition, the total budget allocated for all these roads remains as before

4. Tender No. KWS/OT/ RMLF /42/2019-2020–Tender for the **Routine Maintenance Of Nyabera-Nyadenda(D210), Mirogi-Park Headquarters-Ogongo-Kadio(D213), Wiga Junction-Kamato-Nyatoto(E115), And Korlango-Junction E115-Nyadenda(Usr1) roads** in Ruma National Park.
- Delete all the Bill Of Quantities for Routine Maintenance Of NYS Grid -Nyabera-Nyadenda(D210), Mirogi-Kadio-Park HQs-Ogongo -Road D213 and Wiga Junt-Magunga-Kamato-Nyatoto-E115 Road and Korlango Junct E115X Nyadenda Junt -Magak Airstrip in Ruma National Park appearing between **Page 109 to Page 112** of the tender document as well as those on **page 7, 8,9, and 11 of the Addendum No. 1** and **replace them** with the BOQs on **Page 7, 8, 9 and 10** of this Addendum No.2. In addition, the budget for these roads remains the same.
 - Delete Table 3.3-Techincal Score Sheet appearing on **page 27** of the tender document and replace it with the new Table 3.3-Techincal Score Sheet on **Page 11** of this Addendum No 2.
5. Tender No. KWS/OT/ RMLF /43/2019-2020–Tender for the **Routine Maintenance of Junct A1 -Saiwa Park Road E339, Endebbes-Mt Elgon (Kiptogot) Road E343, and Jnct C45-Main Gate Kimothon Road E 337** in Mt. Elgon National Park.
- Delete the Bill Of Quantities for **Routine Maintenance of E337, Jnct C45- Main Gate – Kimothon Road In Mt Elgon National Park** on **page 109** of the tender document, including the one appearing on **page 3 and 4** of Addendum No. 1 and **replace it with the BOQ on Page 12** of this Addendum No.2. The BOQs for the other roads under this tender remains the same. In addition, the total budget allocated for all these roads remains as before.

All other conditions of this tender not amended by Addendum No.1 issued on 22nd April 2020 and Addendum No.2 now issued remain the same.

Head Supply Chain Management

Table 3.3: Technical Score Sheet-(Tender no. KWS/OT/ RMLF /33/2019-2020)

Technical Evaluation of Tender No.....in National Park.									
Required References to be submitted in Tendering Forms from Tender for evaluation as indicated in section III (A)						Evaluated score for Each Bidder			
Item	Sub-Items		No Reqd	Distribut ed Score	Maxi Score	X	Y	Z	
Contractor's Capability to Execute Works	Equipment holding	Concrete Mixers and Vibrator	1	1	20				
		6 X 4 tippers payload 16 – 20 tones	4	4					
		Water tankers (18,000 – 20,000lts. capacity)	2	2					
		Wheeled loaders (2m3)	1	2					
		Motor graders (93 - 205kW)	2	5					
		Crawler Dozer (D6 and above) or Excavator	1	4					
		Self-propelled single drum vibrating (10 tons)	1	2					
	Key staff	Site Agent	Minimum Qualification Dip in Civil Eng.		1	15			
			Exp. 7Yrs and above		5				
			Signed CV		1				
		Forman	Minimum Dip in Civil Eng.		1				
			Exp.5Yrs and above		3				
			Signed CV		1				
		Surveyor	Minimum Dip. Cert in Survey and above		1				
			Exp.3Yrs and above		1				
			Signed CV		1				
	Past relevant work	Completion Certificate for at least two similar Works @ Kshs 20 Million	> 2no. Projects	10	15				
		Average annual Construction Turnover of KES.100 Million.	Over last 3 years	5					
	History of litigation and non-performance.				2	2			
	Financial capability	Certified audited accounts for the last Three 3yrs	2016-2019 FY (3 Years)		5	18			
			2017-2019 FY(2 Years)		2				
			2018-2019 FY (1Years)		1				
		Current Financial Soundness ratios,	Financial ratios		5				
			Proof of bidders access to financial resources e.g. Authenticated Bank Statement current within the last 6 months or current Line of credit within the last one month-(20% of tender sum)		8				
Technical Proposal (Work Execution Programme)	Mobilization management plan	Site lay plan out and material mobilization		1	6				
		Site Organization Chart		1					
		Equipment management plan		2					
		Personnel mobilization		2					
	Quality and quantity management	Methodology statement		5	10				
		Proposals on material testing		2					
		Proposals on measurements		2					
		Photographic Plan		1					
	Work scheduling	Work Programme charts		2	4				
		Cash flow plan		2					
	Work safety management	Traffic control, and accident prevention		2	5				
		Workers safety		3					
Environmental and social management				5	5				
Total Score					100				

TENDER NO KWS/OT/RMLF/38/25019-2020

Routine maintenance of Ngobit-Rhino Gate –Shamata 34km

Item	Description of Work Item	Unit	Quantity	Rate	Amount (Kshs)
04-50-003	light Bush Clearing	M ²	136,000		
05-50-007	Fill in hard material and compact	M ³	15		
08-50-005	Ditch/Mitre drain /catch water drain excavation	M ³	2,400		
08-60-003	Culvert Cleaning- Partially blocked - 600mm	MT	300		
10-50-003	Light grading as instructed by the Engineer	M ²	170,000		
10-60-001	Provide gravel wearing course-excavation, free haul, spread, water and compact gravel to specifications	M ³	4,740		
	CONSTRUCTION OF CONCRETE DRIFT 12M X 5M				
04-50-010	Excavate and remove existing drift and gabions (Measuring 5m x 5m x 0.2m thick)	M ³	7.5		
07-60-001	Excavate and back fill for gabions in soft materials	CM	10		
07-60-011	Provide cement grouting to Gabions	SM	50		
08-70-004	Gabion mesh 2.0m x 1.0m x 1.0m	No	50		
08-70-005	Rockfill to Gabions	M ³	100		
17-50-017	Providing, cutting, shaping and placing high yield, high bond strength bars diameter equal or less than 16 mm..	Tonne	0.6		
17-50-036	Horizontal formwork to achieve class F3 finish	M ²	17		
17-60-002	Provide place and compact concrete class 15/20 for blinding	M ³	2.3		
17-60-002	Provide place and compact concrete class 20/25 concrete	M ³	6		
17-70-005	Provide and place A142 fabric mesh reinforcement	M ²	25		
20-50-004	Edge marker posts	No	8		
(II)-TOTAL CARRIED FORWARD TO SUMMARY PAGE					

TENDER NO KWS/OT/RMLF/39/2019-2020

(II). CONSTRUCTION OF THIGITHI BRIDGE (15m long x 5m wide x 4m high)-Single Span concrete Bridge.

Item	Description of Work Item	Unit	Quantity	Rate	Amount (Kshs.)
4.01	Demolition of the existing bridge and carting away from site (14m long by 5m wide by 3m high I steel section beam with Timber decks on concrete Abutments)	LS	1		
7.02	EO item 7.01 for excavation in hard material	m ³	50		
7.05	Gabion mesh boxes, complete with rockfill	No	60		
7.12	Geotextile filter fabric (Terram 280g/m2 or equiv.)	m ²	300		
17.01	Concrete class 15/20 blinding and levelling	m ³	16		
17.02	Concrete class 30/20 for bridge parts (Substructure and superstructure)	m ³	160		
17.06	Vertical formwork to achieve class F1 finish	m ²	250		
17.07	Vertical formwork to achieve class F2 finish	m ²	800		
17.08	Formwork for formed sloping surface finishes Class F2	m ²	30		
17.09	Horizontal formwork to achieve class F1 finish	m ²	20		
17.10	Horizontal formwork to achieve class F2 finish	m ²	80		
17.11	High tensile steel reinforcement bars diameter less than or equal to 16mm.	Tonne	12		
17.12	High tensile steel reinforcement bars diameter greater than 16mm and above.	Tonne	20		
21.01	Provide and install guardrail and 50mm diameter galvanised pipe handrail on steel posts to edge of bridges.	m	42		
21.02	Provide and install asphaltic plug to expansion joints.	m	12		
21.04	Provide and install 75mm diameter Class C uPVC drainpipe through deck slab at both kerbs.	m	10		
21.05	Provide and install 300 x 300 x 40mm thick elastomeric bearings.	No.	6		
21.06	900mm long R32mm diameter steel bolts properly grouted to receive deck girders.	No.	6		
21.07	Apply two coats of bituminous waterproofing paint to backs of abutments and wingwalls.	m ²	100		
21.09	Provide, fix 100 x 100 x 12mm plate embedded in concrete, welded to the 6mm plate @ 1000mm spacing.	m	17		
A	SUBTOTAL A				
B	Add 10% on Sub total A for Contingencies				
(II).	TOTAL CARRIED FORWARD TO SUMMARY PAGE(A+B)				

Table 3.3: Technical Score Sheet- (Tender No. KWS/OT/RMLF/39/2019-2020)

Technical Evaluation of Tender No.....in National Park.									
Required References to be submitted in Tendering Forms from Tender for evaluation as indicated in section III (A)						Evaluated score for Each Bidder			
Item	Sub-Items		No Req'd	Distribut ed Score	Maxi Score	X	Y	Z	
Contractor's Capability to Execute Works	Equipment holding	Concrete Mixers and Vibrator	2	3	20				
		6 X 4 tippers payload 16 – 20 tones	4	3					
		Water tankers (18,000 – 20,000lts. capacity)	1	2					
		Wheeled loaders (2m3)	1	2					
		Motor graders (93 - 205kW)	2	6					
		Crawler Dozer (D6 and above) or Excavator	1	2					
		Self-propelled single Flat drum vibrating (10 tons)	1	2					
	Key staff	Site Agent	Minimum Qualification Bachelor's Degree in Civil Eng.		1	15			
			Exp. 7Yrs and above		4				
			Signed CV		0.5				
		Concrete Foreman	Minimum Dip in Civil Eng.		1				
			Exp.5Yrs and above		3				
			Signed CV		0.5				
		Earthworks Foreman	Minimum Dip in Civil Eng.		1				
			Exp.5Yrs and above		1				
			Signed CV		0.5				
		Surveyor	Minimum Dip. Cert in Survey and above		1				
			Exp.5Yrs and above		1				
			Signed CV		0.5				
	Past relevant work	Completion Certificate for at least three similar Works @ KES 20 Million	> 3no. Projects	10	15				
		Average annual Construction Turnover of KES.200 Million.	Over last 3 years	5					
	History of litigation and non-performance.				2	2			
	Financial capability	Certified audited accounts for the last Three 3yrs	2016-2019 FY (3 Years)		5	18			
			2017-2019 FY (2 Years)		2				
			2018-2019 FY (1Year)		1				
		Current Financial Soundness ratios,	Financial ratios		5				
			Proof of bidders' access to financial resources e.g. Authenticated Bank Statement current within the last 6 months or current Line of credit within the last one month-(20% of tender sum)		8				
Technical Proposal (Work Execution Programme)	Mobilization management plan	Site lay plan out and material mobilization		1	6				
		Site Organization Chart		1					
		Equipment management plan		2					
		Personnel mobilization		2					
	Quality and quantity management	Methodology statement		5	10				
		Proposals on material testing		2					
		Proposals on measurements		2					
		Photographic Plan		1					
	Work scheduling	Work Programme charts		2	4				
		Cash flow plan		2					
	Work safety management	Traffic control, and accident prevention		2	5				
Workers safety		3							
Environmental and social management				5	5				
Total Score					100				

TENDER NO KWS/OT/R&F/42/2019-2020

ROUTINE MAINTENANCE OF NYS GRID-NYABERA-NYADENDA, ROAD D210-11KM

Item	Description	Unit	Quantity	Rate	Amount (Kshs.)
04-50-004	Light Bush Clearing	M ²	44,000.00		
08-50-005	Excavation of catchwater drains	M ³	2,000.00		
08-60-025	Provide, excavate for, lay and joint 600mm pipe culvert with surround including headwall, wing wall, toe beams including selected backfill material	MT	18		
08-60-032	Culvert cleaning to free flow conditions	MT	132		
10-50-003	Carriageway light grading	M ²	65,000.00		
10-60-010	Provide, haul, dump and process, water and compact Gravel wearing course to specifications	M ³	985.00		
(I)-TOTAL CARRIED FORWARD TO SUMMARY PAGE					

TENDER NO KWS/OT/R&F/ 42 /2019-2020

ROUTINE MAINTENANCE OF MIROGI-KADIO-PARK HQ-OGONGO-D213 ROAD-22.6KM

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
01-50-016	Materials Investigation &Testing	PC SUM	1.00	60,000.00	60,000.00
01-50-017	Extra over 01-50-017 for profits and overheads	%	60,000.00		
01-80-026	Allow a prime cost sum for the REs miscellaneous account	PC SUM	1.00	80,000.00	80,000.00
01-80-027	Extra over 01-80-026 for profits and overheads	%	80,000.00		
01-80-028	Allow a prime cost sum for off road Environmental Mitigation	PC SUM	1.00	50,000.00	50,000.00
01-80-029	Extra over 01-80-028 for profits and overheads	%	50,000.00		
01-80-034	Allow a prime cost sum for HIV/AIDS awareness on site	PC SUM	1.00	10,000.00	10,000.00
01-80-035	Include percentage of PC sum in item 01-80-034 for contractors overhead and profit	%	10,000.00		
04-50-004	Light Bush Clearing as instructed	M ²	34,600		
08-60-026	Provide, Excavate for ,lay and joint 600mm pipe culvert with surround , including headwall, wing wall, toe beams including selected backfill material	MT	12.00		
08-60-027	Provide, Excavate for, lay and joint 900mm pipe culvert with surround, including headwall, wing wall, toe beams including selected backfill material	MT	31.00		
08-60-032	Culvert Cleaning Partially silted 600mm Diameter	MT	320.00		
08-70-004	Provide and place Macaferri gabion boxes 2x1x1	No	80.00		
08-70-005	Provide and place Rock fill to Gabions	M ³	160.00		
10-50-005	Heavy grading with watering and compaction as instructed	M ²	75,000.00		
10-60-001	Provide , haul, dump and process , water and compact Gravel wearing course	M ³	6,000 .00		
II	TOTAL CARRIED FORWARD TO SUMMARY PAGE				

TENDER NO KWS/OT/R&F/42/2019-2020

ROUTINE MAINTENANCE OF WIGA JNCT-MAGUNGA-KAMATO-NYATOTO, E115-34KM

Item	Description of Work Item	Unit	Quantity	Rate	Amount (Kshs)
01-80-026	Allow a prime cost sum for the REs miscellaneous account	PC SUM	1.00	80,000.00	80,000.00
01-80-027	Extra over 01-80-026 for profits and overheads	%	80,000.00		
01-80-028	Allow a prime cost sum for off road Environmental Mitigation	PC SUM	1.00	50,000.00	50,000.00
01-80-029	Extra over 01-80-028 for profits and overheads	%	50,000.00		
01-80-034	Allow a prime cost sum for HIV/AIDS awareness on site	PC SUM	1.00	10,000.00	10,000.00
01-80-035	Include percentage of PC sum in item 01-80-034 for contractors overhead and profit	%	10,000.00		
01-50-016	Materials Investigation & Testing	PC SUM	1.00	60,000.00	60,000.00
01-50-017	Extra over 01-50-017 for profits and overheads	%	60,000.00		
04-50-004	Light Bush Clearing	M ²	90,000.00		
05-50-006	Fill in soft and compact in accordance with specifications	M3	3,611.00		
08-50-005	Ditch/Mitre drain/Catch water drain excavation	M3	1,545.00		
08-60-025	Provide, lay and joint 600mm pipe culvert with surround and as per drawings. Rate to include excavation and backfilling with suitable material.	MT	18.00		
08-60-27	Provide, lay and joint 900mm pipe culvert with surround and as per drawings. Rate to include excavation and backfilling with suitable material	MT	9.00		
08-90-017	Desilting culverts to free flow condition	MT	765.00		
10-50-005	Carriageway Heavy grading	M ²	155,000.00		
10-60-001	Provide gravel wearing course-excavation, free haul, spread and compact gravel-equipment	M3	3,150.00		
III	TOTAL CARRIED FORWARD TO SUMMARY PAGE				

TENDER NO KWS/OT/R&F/42/2019-2020

ROUTINE MAINTENANCE OF KORLANGO JNCT E115X-NYADENDA JNCT-MAGAK-AIRSTIP

Item	Description of Work Item	Unit	Quantity	Rate	Amount (Kshs)
01-80-026	Allow a prime cost sum for the REs miscellaneous account	PC SUM	1.00	80,000.00	80,000.00
01-80-027	Extra over 01-80-026 for profits and overheads	%	80,000.00		
01-80-028	Allow a prime cost sum for off road Environmental Mitigation	PC SUM	1.00	50,000.00	50,000.00
01-80-029	Extra over 01-80-028 for profits and overheads	%	50,000.00		
01-80-034	Allow a prime cost sum for HIV/AIDS awareness on site	PC SUM	1.00	10,000	10,000
01-80-035	Include percentage of PC sum in item 01-80-034 for contractors overhead and profit	%	10,000		
01-50-016	Materials Investigation & Testing	PC SUM	1.00	60,000.00	60,000.00
01-50-017	Extra over 01-50-016 for profits and overheads	%	60,000.00		
04-50-004	Heavy Bush Clearing	M ²	65,200.00		
08-50-005	Ditch/Catch water drain excavation	M ³	5,000.00		
08-50-001	Ditch cleaning and cleaning to free flow	M ³	3000		
08-60-27	Culvert installation 900mm with surround	MT	36.00		
08-60-001	Desilting and cleaning 600mm culvert partially blocked	MT	583.00		
08-60-002	Desilting and cleaning 900mm culvert partially blocked	MT	144.00		
10-50-003	Heavy Carriageway grading and trimming to camber with watering and compaction	M ²	81,500		
10-60-002	Provide gravel wearing course- excavation, free haul, spread and compact gravel-equipment	M ³	3,440		
IV	TOTAL CARRIED FORWARD TO SUMMARY PAGE				

Table 3.3: Technical Score Sheet--(Tender no. KWS/OT/ RMLF /42/2019-2020)

Technical Evaluation of Tender No.....in National Park.									
Required References to be submitted in Tendering Forms from Tender for evaluation as indicated in section III (A)						Evaluated score for Each Bidder			
Item	Sub-Items		No Reqd	Distribut ed Score	Maxi Score	X	Y	Z	
Contractor's Capability to Execute Works	Equipment holding	Concrete Mixers and Vibrator	1	1	20				
		6 X 4 tippers payload 16 – 20 tones	4	4					
		Water tankers (18,000 – 20,000lts. capacity)	2	2					
		Wheeled loaders (2m3)	1	2					
		Motor graders (93 - 205kW)	3	5					
		Crawler Dozer (D6 and above) or Excavator	1	4					
		Self-propelled single drum vibrating (10 tons)	1	2					
	Key staff	Site Agent	Minimum Qualification Dip in Civil Eng.		1	15			
			Exp. 7Yrs and above		5				
			Signed CV		1				
		Forman	Minimum Dip in Civil Eng.		1				
			Exp.5Yrs and above		3				
			Signed CV		1				
		Surveyor	Minimum Dip. Cert in Survey and above		1				
			Exp.3Yrs and above		1				
	Signed CV			1					
	Past relevant work	Completion Certificate for at least two similar Works @ Kshs 20 Million	> 2no. Projects		10	15			
		Average annual Construction Turnover of KES.100 Million.	Over last 3 years		5				
	History of litigation and non-performance.				2	2			
	Financial capability	Certified audited accounts for the last Three 3yrs	2016-2019 FY (3 Years)		5	18			
			2017-2019 FY(2 Years)		2				
			2018-2019 FY (1Years)		1				
		Current Financial Soundness ratios,	Financial ratios		5				
			Proof of bidders access to financial resources e.g. Authenticated Bank Statement current within the last 6 months or current Line of credit within the last one month-(20% of tender sum)		8				
Technical Proposal (Work Execution Programme)	Mobilization management plan	Site lay plan out and material mobilization		1	6				
		Site Organization Chart		1					
		Equipment management plan		2					
		Personnel mobilization		2					
	Quality and quantity management	Methodology statement		5	10				
		Proposals on material testing		2					
		Proposals on measurements		2					
		Photographic Plan		1					
	Work scheduling	Work Programme charts		2	4				
		Cash flow plan		2					
Work safety management	Traffic control, and accident prevention		2	5					
	Workers safety		3						
Environmental and social management				5	5				
Total Score					100				

TENDER NO KWS/OT/RMLF/43 /2019-2020

ROUTINE MAINTENANCE OF E337, JCT C45- MAIN GATE – KIMOTHON IN MT ELGON NATIONAL PARK-26.5KM

Item	Description of Work Item	Unit	Quantity	Rate	Amount
01-60-009	Provide, erect and maintain publicity signs as directed by the engineer	No	1		
01-80-026	Allow a prime cost sum for the RE's miscellaneous account	KS	1	80,000	80,000.00
01-80-027	Extra over 01-80-026 for profits and overheads	%	80,000		
01-80-028	Allow a prime cost sum for off road Environmental Mitigation	PC SUM	1	150,000	150,000.00
01-80-029	Extra over 01-80-028 for profits and overheads	%	150,000		
01-80-034	Allow a prime cost sum for HIV/AIDS awareness on site	PC SUM	1	50,000.00	50,000.00
01-80-035	Include percentage of PC sum in item 01-80-034 for contractors overhead and profit	%	50,000		
04-50-003	Cut grass by hand from shoulders, slopes, inlets ditches, side ditches including back slopes, turnouts, and culvert outlets	m2	80,000		
04-50-005	Heavy bush clearing	m2	28,000		
04-50-006	Tree cutting and stump removal (200-450mm)	No	100		
04-50-007	Tree cutting and stump removal (>450mm)	No	600		
08-50-002	Ditch Cleaning	m	5,400		
08-50-005	Ditch/Mitre drain /catch water drain excavation	m3	975		
05-50-006	Fill in soft material and compact	m3	2,319		
05-50-008	Cut to spoil in soft material	m3	18,800		
05-50-009	Cut to spoil in hard material	m3	3,000		
08-60-003	Culvert cleaning- Partially blocked 600mm	m	312		
08-60-025	Provide, lay and joint 600mm pipe culvert with surround, including headwall, wing wall, toe beams including selected backfill material.	m	60		
10-50-001	Heavy grading without watering or compaction instructed by the Engineer	m2	42,000		
10-50-003	Carriageway light grading. Trim with motor grader existing carriageway to camber including slopes and ditches without watering and compaction	m2	147,000		
10-60-003	Gravel Patching Prepare road formation, excavate from approved borrow pit, haul, spread, water and compact gravel wearing course as per specifications	m3	3,481		
21-50-042	Provide and fix guard rails to bridges as shown on the drawing and as directed by the engineer.	m	80		
B	Total Carried Forward to Summary Page				