

Mentorship Program: Road Construction Supervision

Levels

Compulsory Tasks Level		1	2	3	4	Elective Tasks Levels					1	2	3	4
Modules		Test 1	Test 2	Test 3	Test 4	Test 5	Assign 1	Assign 2	Assign 3	Assign 4	Practical 1	Practical 2	Practical 3	Practical 4
Ref no.	Subjects													
PP110	Project & Persons													
PP111	Roles, Responsibility	3	3	2	3		4	4			4	3	4	
PP112	Law, ethics and people	3					4	2	2		2			
PP113	Glossary & drawings	2	1	1	1		3	2			2			
PP114	Project specifications	1	3				4	3			1			
SA110	Site Setup & Admin													
SA111	Offices and laboratory	3	3				4	4			4	3		
SA112	Diary, record keeping & filing						2	3	3	3	1	2	3	
SA113	Road condition & layout	3	3	3			2	2	2		2	1	1	
CT110	Community													
CT111	Community matters						3	3	4		3	3	3	
CT112	SMME's	3					3				3	3		
QC110	Quality Control													
QC111	Quality system	1	3	4	4		3	4	4		2	2	3	
QC112	Laboratory	2	3	2			2	3	4		2	2	2	
SS110	Safety													
SS111	Site safety	2	2	2			2				1	2		
SS112	Occupational Health and Safety Act		2				1	3	3		2	2		
TS110	Traffic													
TS111	Traffic accommodation	3	3	1			1	2	4		2	3	3	
TS112	Accident reports	3	3				2				3	2		
TS113	Geometric design for bypass	3	3				3							
PA110	Patching													
PA111	Pothole & small surface repairs	2	2	2	2	2	2	3	2	2	1	1	1	
SV110	Survey													
SV111	Benchmarks & grid systems	3	4				1				2			
SV112	Setting out levels						3	1	1		1	1	1	
SE110	Services													
SE111	Locate & protect services	2	2				1	4			2			
SE112	Wayleaves						3				3	3		
SE113	Water and sewer pipes and sleeves	1	1	1			2				2			
CP110	Culverts													
CP111	Pre-cast culverts	1	2	3	3		2	3	2		1	3		
CP112	In-situ culverts	2					3	4			1			
CP113	Culvert inlets & outlets	2	1				1	4			1			
CP114	Drainage concepts	2	3	3			4	4			3	3	4	
CR110	Reinforced concrete													
CR111	Formwork	2	2	2							1	3		
CR112	Reinforcing	1	1	1	3		3				1	2		
CR113	Concrete	2	3	3	3	3	3	2	2		1	3	3	
EW110	Earthworks													
EW111	Test & evaluation of materials	2	2								1	1	2	
EW112	Borrow pits & crushing of material	3	3	4			4	3	3		2	2	2	
EW113	Roadbed & rockfill/pioneer	3	4	4	4	4	3				1	1		
EW114	Mass earthworks	3	3	3	3		2	3	3		1	3		
PL110	Pavement layers													
PL111	Gravel wearing course and SSG	3					3				1			
PL112	Pavement design	4	4	4			3	4			1			
PL113	Crushed stone base	2	3	3	3	3	3	2	4		2	2	2	
PL114	Cement stabilization	2	2	3	3	3	4	3				1	2	
PL115	Bitumen stabilization	3	1	2	2	3	3	1	3	4	4	1		
PL116	Evaluation & payment	4	3	3			3	3	3		2	4	4	

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Ref no.	Subjects													
DN110	Drainage													
DN111	Open drains	1	1				3				2	2		
DN112	Stone pitching	1	1				1							
DN113	Kerbs, channels and chutes	1	3				2	3	3		1	2		
DN114	Concrete side drains	1	1	3			2	3	3		1	4		
DN115	Subsoil drains	1	1	1			3	2			3	1	2	
SB110	Seals													
SB111	Tests, surface & binder types	1	3	4										
SB112	Prime	1	2	3	2		1	3			2	1	1	
SB113	Fog spray	2	3				3	3	3		1	1		
SB114	Crack seal	1											1	
SB115	Slurry	2	1	1	4	1	3	4	3		1	3	2	
SB116	Seal design	4	3	4			4				4			
SB117	Seals	2	3	3	4	4	4	3	4		1	3	1	
SB118	Rubber seal	2					3				2	2		
AP110	Asphalt													
AP111	Asphalt design	4	3	3	2	3	3	3	2		3	3		
AP112	Asphalt surface and base	2	3				3	2	3		1	1		
AP113	Evaluation & payment	3	3				3	4	4		3			
AR110	Ancillary Roadworks													
AR111	Concrete block paving	1	1				3				2	2		
AR112	Gabions	1					2	3			1			
AR113	Guardrails	1	1				3	3			1			
AR114	Fencing	1	1				3	2			1			
AR115	Road signs	2	2	2			1	2	4		4	3	2	
FP110	Finishing the project													
FP111	Landscaping & access roads	3	3				3	3			3			
FP112	Road markings and studs	3	3				3	3	3		3	3		
FP113	Snag list						3	3	4					
FP114	As built						3	3	3		3	3		
FN110	Finance													
FN111	Measurement and payment	3	3	3	3		3	3	3					
FN112	Cost of activities	3	3	3			3	3	3					
FN113	Estimates						3	4	3		3	4		
FN114	Escalation, rise & fall	4	4				4	4	4					
SM110	Site Management													
SM111	Disputes & Problem solving	3	4	3			2	3	4		4			
SM112	Improvements & VO's	3	3				3	3	4					
SM113	Inclement weather & other delays	3	3	4			3							
SM114	Program & Claims	3	3	3			3	4	3		3	3	4	
ST110	Structures													
ST111	Foundations for structures	3									2	2	2	
ST112	Piling	3	3	3			4	1	2		1			
ST113	Substructures	2	3	3	3	2	2	1	1	4	1	2	3	
ST114	Superstructure	2	3	3	2		3	3	4		3	1	1	
ST115	Pre-stressing	2	3	4			3	3	4		1	2	1	
ST116	Joints, parapets, bearings	1	2	3			2				2	2	2	
ST117	Retaining walls	2	2	2							2			
ST118	Structure design						4	4	4					
Total	Number	71	64	42	19	10	74	57	41	4	68	50	28	0