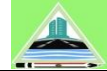


Project Name: \_\_\_\_\_  
 Project Code: \_\_\_\_\_

Locatoin: \_\_\_\_\_  
 Zone/ Ana \_\_\_\_\_

Date: \_\_\_\_\_  
 Sheet No. \_\_\_\_\_



ID	ITEMS TO BE CHECKED	C	CC	NC	COMMENT/ REMARK/ Condition	Report page #/ Drawing reverance no.s
<b>1</b>	<b>EVALUATION FOR INSEPTION REPORT</b>					
a	Show outline established planning for the project , staffing , mobilizing , detail work					
	Program, site reconnaissance					
b	show , different route alternatives with their advantages and   or disadvantages and					
	Methodology   plan of executing the work					
c	show initial findings ,assessment options , preliminary recommendation on design					
	Standards					
d	Show, identified constraints and proposed solutions together with any action required by the client to facilitate the smooth implementation of study.					
<b>2</b>	<b>ROUTE SELECTION</b>					
a	is the locality and key plan bound in the report?					
b	Are the project limit indicated on the locality plan?					
c	Is the proposed route discussed with the Wereda?					
d	Was sensitivity of the route with respect to geometry/traffic class discussed?					
e	Was sensitivity of the route with respect to hydro/geo- hazard discussed?					
f	Is the topography, vegetation, population, climate (temp.& rainfall) and basic geology					
g	discussed and any conclusion drawn?					
h	Are land use discussed?					
	Are list of possible construction material sources identified?					
<b>3</b>	<b>Traffic Study</b>					
a	Traffic count made,					
b	d					

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

c	Design life for geometric design projection was 5 Years					
d	Rate of growth assumption and value is found satisfactory.					
e	Determination of design AADT has been made					
f	Design class determination was based on facts					
g	Evaluation for design standard or guidelines review report					
h	Are set boundaries of each design element in accordance with ERA's IVRS Design manual 2013 edition for the specific design class identified and checked for compliance for the project.					
	1. Geometry					
	2. Pavement					
	3. Hydrology/ Hydraulic					
	4. Structure					
i	Are Departures from design standard clearly indicated in the report, If yes,					
j	justification for departure was found satisfactory					
k	Recommendation, basis and adopted modification was justified					
<b>4</b>	<b>Evaluation for topographic survey report</b>					
a	Method of survey for traversing, leveling and detail survey was provided briefly					
b	Method adopted for minimizing/ correcting errors for traverse and level indicated Structure survey considers sufficient upstream/downstream extension as well as					
c	demarcation of stream characteristics list of established control points with coordinates, offset from centre, monument/ pillar					
D	type was given					
e	Are list of abbreviations used attached					
F	Are soft copies of "csv" file obtained					

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

<b>5</b>	<b>Evaluation for Environmental Impact Assessment report</b>					
a	Description of environmental in the area affected by the project should be clearly presented.					
b	Show anticipated environmental impacts and mitigation measures.					
c	Consideration of alternative project approaches should be presented					
d	Show description for institutional requirements and environmental monitoring programs					
e	Show proposed public involvement & environmental impact monitoring					
<b>6</b>	<b>Evaluation for Land Acquisition plan report</b>					
a	Land acquisition plans, should be based on cadastral maps or the available data collected from locations surveying					
b	Show, the intersection between the new reserve and property boundaries set out and referenced on the ground					
c	depict , plans supplemented by listing of affected plot numbers , name of owners , the area required of such plot					
d	Include list of all properties in the right of way					
<b>7</b>	<b>Evaluation on soil &amp; material investigation report</b>					
a	General geology/ soil characteristics of the area is described					
b	Subgrade					
	I Subgrade extension was conducted and included					
	Ii Subgrade investigation program/ scope is sufficient					
	Iii Field and/ or laboratory <b>test</b> program/ scope is sufficient (results are also attached)					

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

	Iv Problematic soils were identified (test results are also attached) (if applicable)					
c	Construction materials					
	i. Construction materials are identified within economically sound distance					
	ii Tests conducted (results are also attached) on the Construction materials justify their					
	iii Quantity of each source is estimated					
d	Geotechnical investigation					
e	Minimum Geotechnical investigation is conducted for drainage structures					
	Foundation material profile Depth of recommended foundation layer are given for each structure					
	Shortcomings of the investigation for major structures and Recommendations are well stated.					
<b>8</b>	<b>Evaluation on pavement design report</b>					
A	Show, detailed description of all the works undertaken with respect to pavement investigation,					
b	Base line Traffic estimation and forecasting for pavement structure is made and is satisfactory					
c	Assumed traffic growth, and design life are satisfactory.					
D	Weather condition in relation to subgrade CBR investigation method and identification of design CBR for homogenous sections is safely estimated.					
e	Weather condition in relation to surface drainage has been considered					
f	Construction material utilization program in relation to identified quantity of proposed quarries has been revisited.					
G	Recommendation for problem soils has been made (if applicable)					
h	show existing pavement evaluation					

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

g	Description of proposed pavement structures stretches consistent with the final alignment chainage has been tabulated					
9	<b>Evaluation on hydrological/hydraulic (Drainage)</b>					
a	Proper metrological data has been used					
b	Catchment delineation is made annexed					
c	Land cover and land use data are properly utilized for design Discharge estimation for appropriate design period of each selected structure is made and					
d	annexed					
e	Optimum and economic Cross drainage structure is selected where alternatives exist Summary of hydraulic calculation has been tabulated for both minor and major					
f	structures					
g	List, location, type and dimension of each cross drainage structure is tabulated					
h	Catchment delineated map has been attached					
i	Side drains and turnouts are identified and clearly designed for					
j	Erosion protection structures are identified and proposed where appropriate					
10	<b>Evaluation on Structural Design of Bridges</b>					
a	BRIDGE GEOMETRY					
1	Confirm hydraulic requirement including freeboard					
2	Check of consistency of alignment and details with roadway plans					
3	Confirm Depth of foundation					
4	Confirm Potential scour requirements					
b	APPLICABLE BRIDGE DESIGN STANDARDS					
c	ADOPTED DESIGN METHODS					
d	MATERIAL PROPERTIES					

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

e	BRIDGE LOADING (Dead, Additional Dead, Design Vehicle Load, Associated Live				
f	CHECKING DESIGN CRITERIA FOR				
1	Bridge width & Sidewalks, Bridge Section				
2	Railings, Drains, Cross fall				
3	Abutment, wing walls & Foundations				
g	Annexed Structural statical Calculation				
h	Check Analysis of the most important structural elements				
11	<b>Evaluation for Drawings</b>				
	Sequence of drawings				
b	Cover sheet				
c	Drawing index sheet				
d	Typical section				
e	Crown, foreslopes, ditch slopesk, typical cut and fill slopes are shown				
f	Proposed pavement structure clearly shown and variability with station tabulated				
g	List of Bm's/pillars				
h	Plan profiles				
i	Pavement thickness				
j	List of structures				
k	Drainage standard drawings Plan profile should be presented in scale of				
l	L 1= 200 horizontal & 1= 2000 vertical (400) (4000) On each plan horizontal alignment data, curve data, stationing and bearings are clearly				
m	indicate and provided in tabular form On each profile vertical curve data, VPI information, K values, length of verticle curves,				
n	grades, has been clearly detailed on the drawing and tabulated				
o	Sheet ( naming /numbering) is consistant				
p	Control point are indicted on each plan				

Project Name: \_\_\_\_\_  
 Project Code: \_\_\_\_\_

Locatoin: \_\_\_\_\_  
 Zone/ Ana \_\_\_\_\_

Date: \_\_\_\_\_  
 Sheet No. \_\_\_\_\_

q	Cut/fill operation is balanced				
r	Quarry location is indicated				
s	Subgrade material in relation to cut section has been checked				
t	Horizontal & vertical geometric elements are within standard limit.				
u	MINOR DRAINAGE				
1	Cross drainage structures are indicated on plan Hydraulic recommendations followed (hydraulic information, slope, length, and invert				
2	elevations shown on plan/profile)				
3	List, location, type and dimension of each cross drainage structure is tabulated				
4	Standard bridge loading and bridge width provided				
5	Bridge sites shown and cross-referenced to bridge plans				
6	Standard drawings are attached				
<b>12</b>	<b>BRIDGE</b>				
1	General Section Plan & Elevation				
2	DECK PLAN & DETAILS (Superstructure Detail)				
3	ABUTMENT PLAN & DETAILS (Substructure Detail)				
4	Approach Slab Detail				
5	Concrete Strength and adopted foundation bearing capacity indicated				
6	Plan, profile, sections and details for sub and super structure are satisfactory				
7	Reinforcement detailing provided				
<b>13</b>	<b>Evaluation for Engineering cost estimate report</b>				
a	Identify labor material and equipment cost specific to the project.				
b	Provide unit rate and project cost estimate				

Project Name: \_\_\_\_\_

Locatoin: \_\_\_\_\_

Date: \_\_\_\_\_

Project Code: \_\_\_\_\_

Zone/ Ana \_\_\_\_\_

Sheet No. \_\_\_\_\_

c	Break down of unit cost separated for labor, materials, equipment, overhead profit and tax should be included.					
<b>14</b>	<b>Woreda Road Network produced</b>					
a	Woreda Road Network produced					
1	Coordinate system is in UTM, WGS-84/ Addindan datum are adopted GPS Waypoints of v illage names, religious institutions, social services has been listed in					
2	EXCEL format					
3	GPS track file in *.gpx format is submitted					
	C= Confirm      CC= Conditionally Confirm			NC= don't Conf		

Approved \_\_\_\_\_

Rejected approved with the comment below:

---



---



---



---



---



---

Checked By: \_\_\_\_\_

Signature \_\_\_\_\_

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_

Signature \_\_\_\_\_

Date: \_\_\_\_\_