APPENDIX 14-1

PRIORITIZATION CRITERIA FOR LOCAL ROAD

Appendix 14-1

PRIORITIZATION CRITERIA FOR LOCAL ROAD

14.1.1 Procedure

Great efforts have been made for constructing the primary and secondary roads during last two (2) decades in Sultanate of Oman. As the results, the primary and secondary road networks are almost developed although there are still needs for some improvement and construction newly. However, improvement of local roads is now under-way. Therefore, in this chapter, priority process of those local roads is presented below;

The priority process consists of the following steps;

Step 1: Collection of data / information of Local Roads using by Application Format

These data and information of the local road as shown in Form 1 are used not only for local road identification but also for local road appraisal/prioritization.

Step 2: Listing of Local Road Projects

Based on the collected data/information in Step 2, listing of the local road project as shown in Form 2 is made. This listing shall be preferably made by the Governorate/Region.

Step 4: Computation of Scoring by Projects

The scoring of selected factors as shown in Form 3 is made and total score shall be computed by each local road.

Step 5: Prioritization of the Local Road Project

Based on the scoring made in Step 4, the prioritization of the local road projects is determined. In this step, political factor shall be also taken into accounts.

Step 6: Implementation Program

Based on the prioritization of the local road and availability of budget of each year, the implementation program for local roads shall be formulated.

14.1.2 Prioritization Criteria

Principally, prioritization criteria for road project consist of the following factors:

- a. Construction cost factor,
- b. Traffic factor,
- c. Economic factor,
- d. Social factor, and
- e. Other factor such as national security factor, political factor, etc.

In the formulation of the master plan, the above-mentioned prioritization criteria were adopted for primary and secondary roads. However, since local roads are serviced for smaller areas and less traffic compared with the primary and secondary roads, it is necessary to simplify prioritization criteria.

Based on the field investigation and findings from the study, the following prioritization criteria for the local roads are proposed in this study:

a. Magnitude of Construction Cost

 Magnitude of construction cost: Magnitude of construction cost is one of basic factor of prioritization. If construction cost of local road A is more expensive than that of local road B, the local road A shall be given to higher priority than the local road B.

b. Access to trunk road:

Access to trunk road is one of prioritization factors. If the candidate local road
to be improved is a direct access to trunk one, this local road shall be given to
higher priority.

c. Scale of Population Size

• Scale of household population size: Population within influence area of the local road is a basic information and very important data. If population within the influence area of local road A is larger in scale than that of local road B, the local road A shall be given to higher priority than the local road B. The population data can be obtained from 'Socio-Economic Atlas (1993 population census base)' Information & Document Center, Ministry of Development, November 1997. Population census data in 2003 would be available by Ministry of National Economy.

d. Social factors

- Disparity index of household income: Poverty alleviation of rural peoples is one of important policy in the national development. If household income within the influence area of the local road will be able to obtain either statistically or actually, it can be considered very useful social factor for judging regional imbalance. If household income within the influence area of local road A is lower than that of local road B, the local road A shall be given to higher priority than the local road B in order to alleviate poverty of peoples.
- Distance from Wilayat Center: This is somewhat one of social imbalance factors. Wilayah center principally provides basic social infrastructural facilities such as local government offices, schools, health care centers, clinics, markets, etc. If distance of local road is far from Wilayat Center, it shall be higher priority due to receive a little social benefit from Wilayat Center.

e. Other factors

 Political factor: This is one of priority factors. But it shall not be depending on this factor.

14.1.3 Application Form

Form 1 shows the application form of the local roads. All candidate local roads to be improved shall be filled up all items in this Application Form.

14.1.4 Listing of Candidate Local Roads

From 2 shows long list of candidate local road and their information and data. Based on collected application form of the candidate local roads, Form 12.1-2 shall be filled up.

14.1.5 Scoring of Candidate Local Roads

Form 3-1 shows an example of scoring of above mentioned factors. Based on the information / data collected in the above-mentioned step, scoring of each local road project is computed and filed up in Form 3-2.

Weight of each factor shall be considered to calculate the score of the candidate local roads taking into account its importance. Form 3-2 shows an example of weight of each factor. The scoring shall be made the following formula:

 $SC_i = \sum SC_i^{Fk} X WE^{Fk}$

Where: SC_i : Score of local project road i

SC_i Fk: Score of local road i of factor Fk

WE Fk: Weight of factor Fk

14.1.6 Prioritization of the Local Road Projects

Prioritization of the local road projects shall be given in order of total scoring order of each factor.

14.1.7 Implementation Program of the Local Road

Based on the prioritization order of the local road and availability of budget of each year, the implementation program for local roads shall be formulated.

FORM 1

LOCAL ROAD PROJECT FORM

1. Name of Road.
2. Location: Wilayat, Governorate/Region
3. Administrative Classification of Project Road.
4. Access to Trunk Road: a. Direct access to trunk road,
b. Secondary Access to trunk road,
c. Tertiary Access or More to trunk road
5. Distance to Wilayat Centerkm
6. Total Lengthkm

7. Road Data

Section	Length of	Terrain	Cross- Section	Surface Type	Surface	Remarks
	Sub- section		Carriageway		Condition	
	(km)		Width (m)			

Notes: Terrain is classified as Flat, Rolling, and Mountainous

Surface Type: AC: Asphalt concrete pavement, BST: Bituminous surface treatment,

G: Gravel surface, E: Earth road

Surface Condition: PP: Passable by passenger car, P4: Passable by 4-wheel drive

vehicle, IM: Impassable

8. Socio-economic Data

		Total for Entire Area
Num	ber of Houses Served	
Popu	lation Served	
	Omanie	
	Expatriate	
Avera	age Household Income	
No. o	of Vehicles within Road Influence Area	

Note: Attached map indicating general location of proposed project

FORM 2

LISTING OF LOCAL ROAD PROJECT

Governorate / Region.....

Remarks								
	Av. HH Income							
omic Data	% Share of Omanie							
Socio-Economic Data	Population Served							
	No. of Villages							
	Construction							
	Surface Condition							
Road Data	Surface Type							
	Теттаіп							
	Length of Road (km)							
Connection	to Trunk Road							
Far from Connection	Wilayat Center (km)							
Wilayah								
	Project							
	Š							

FORM 3-1

SCORING OF FACTORS

	Evaluation Factor	Indicators	How to Measure	Score
	Magnitude of Construction	Road improvement costs	• To estimate improvement cost	Scoring may be made as follows:
	Cost	consisting improvement	of each local road	Score 5: PC < RO 1.0 mil
		rehabilitation or new	(improvement, rehabilitation or	Score 4: RO 1.0 < PC < RO 2.5 mil
		construction costs	new construction) using unit	Score 3: RO 2.5 < PC < RO 5.0 mil
			cost by terrain and surface type.	Score 2: RO 5.0 < PC < RO 10.0 mil
				Score 1: RO 10.0 < PC
2	Access to Trunk Road (Paved	• How to access trunk road	 Road network configuration 	Scoring may be made as follows:
	National Road)	(Paved national road)		Score 5: Direct access
				Score 3: Secondary access
				Score 1: Tertiary and more access
3	Scale of Population	Number of population within	· Socio-economic Atlas published	Scoring may be made as follows:
		influence area of each local	by Ministry of Information	Score 5: $PP > 2,000$
		road	• To get information from '2003	Score 4: 2,000 > PP > 1,000
			Population Census'	Score 3: 1,000 > PP > 500
				Score 2: 500 > PP > 200
				Score 1: 200 > PP
4	Imbalance of Household	• Disparity of average household	· To get information from	Scoring may be made as follows:
	Income	income within influence area of	Household expenditure and	Score 5: DI > 3.0
		each local road	income survey (HEIS)'	Score 4: 3.0 > DI > 2.0
				٨
				Score 2: 1.5 > DI > 1.0
				Score 1: DI > 1.0
5	Distance From Wilayat Center	Distance from Wilayat Center	• To measure Distance from	Scoring may be made as follows:
		to the Local Road	Wilayat Center to the Local	Score 5: DS $> 50 \text{ km}$
			Road	Score 4: 40km > DS > 30km
				Score 4: 30 km > DS > 20km
				Score 4: 20km > DS > 10km
				Score 1: 10km > DS
		-		

Note: PC: construction cost, PP: Number of population, DI: Disparity index of household income, DS: Distance from Wilayat center

FORM 3-2 SCORING OF CANDIDATE LOCAL ROAD PROJECTS

Governorate/Region...,,

	Project Name	1	2	3	4	5	6	7
		Magnitude of	Access to	Scale of	Disparity	Distance	Others, if	Total
No.		Construction	Trunk Road	Population	Index of HH	from	any	Score
		cost			Income	Wilayat		
						Center		
	Weight of	30	10	30	20	10	-	100
	Each Factor							

APPENDIX 14-2

PROJECT PROFILES

Project Profile Project Number: U1 Region: Name Upgrading Batinah Highway Batinah 4-Lane 2-Way Dual Carriageway **Existing Road Condition** Design Speed 120 km/hr Batinah Highway is one of the most important links. Due to rains at certain locations that are provided only by Irish Crossing the road is subjected to be closed for several hours/days every year. The major objective of this project is to upgrade the existing critical I/C to obtain all weather highway. **Objective** Conversion of I/C at certain locations where there are a probability that water height can become > 25 cm to multifunctions Box Culverts. The multi-functions BC will be used for pedestrian or vehicles crossing during dry seasons. **Segment** Total (km) From Barka Location Khatmat To Milahah 237 Length (km) 237 2030 Traffic 2005 2010 2020 Year Volume PCU/day 264,000 369,000 398,000 606,000 Construction of multi-functions Box Culverts at (23) locations along the highway to replace the existing Irish Crossing. And **Work Item** upgrading of at grade intersections. Cost (1,000 RO) Construction 28,246 **Engineering** 874 29,120 **Total** Implementation Plan 8th 5-Year Development Plan 2011 **Implementation** From Schedule 2015 (Moderate) **Environmental Impact** Effect of upstream and downstream water levels. **KEY MAP** Gulf o f 0 man Al Khahurah W.Maawil Ar Rustag Ridhid

Project Profile

Project	Number:	W1
---------	----------------	----

Project Profile					Proj	ect Number: W1
Nai	me		Widening o	f Bait Al Barakah	ı – Barka	Region: Batinah
Existing Roa	d Cond	ition		2-Way Dual Carr Speed 120 km/hr		
Objec	ctive		- Widenin accomm	ng to 6-Lane nodate future trafficion of future traff	2-Way Dual fic volume.	Carriageway to
Segn	nent		W1-1	W1-2		Total (km)
Location Length (km) Traffic Year Volume PCU/day Work Item Cost (1,000 RO)			Bait Al Barakah	Barka Al Muladdah		
		То	Barka			
	ı (km)		21.00	33.00		54.00
L.	Y	ear	2005	2010	2020	2030
Volume	PCU	U/day	26,400	36,900	39,800	60,600
			Widen to 6-Lane	Dual Carriagewa	ay Road.	
	000 RO))				
Construction			1,908	2,789		
Engineering			122	110		
Total Implementation Plan			2,030	2,904		
			2020		velopment Plan	T
Implementati	on	From	2028	2028		
Schedule To			2030	2030		
Environmen	ntal Imp	oact	(Moderate) Increased traffic	volumo		
*		RANCE REPORT OF TRAN	Suwaiq		W1	
UNITED ANNA EMPARTES		Guit of Omen	Howqayn Ar Rustaq	Musanah W.Maawil) 0	Bidbid
REPUBLIC	0 1	00 200km	Ai	wabi	Samail 15	

	Proj	ect	Pr	ofile	•
--	------	-----	----	-------	---

Project Number: D2

Project Profile					Projec	et Number: D2		
Nai	ne			Bidbid - Sur		Region: A'Sharqiya		
Existing Roa	d Con	dition	National Road No. 23, 2-Lane Primary Highway					
Objec	ctive		expected ADT.	nd smooth, long	.	modate the future eed traffic on this		
Segn	ient		, <u>, , , , , , , , , , , , , , , , , , </u>			Total (km)		
Location		From To	Bidbid Sur					
Length	(km)		277			277		
Traffic		Year	2005	2010	2020	2030		
Volume		CU/day	9,000	2,700	4,000	10,400		
Work Item			improvement of	f existing road	2-lane, median, alignment to co yay of 120 km/hr	shoulders and orrespond to the design speed.		
Cost (1,0 Construction Engineering Total		')	27,930 1,783 29,713					
Implementation				10 th 5-Year De	evelopment Plan			
Implementati	on	From	2022					
Schedule		To	2026					
Environmental Impact			- Increased traffic volume Alteration of topography Passing near As Saleel National Park.					
KEY MAP			Barka As Seeb	11 11	0	20 40km		
Arabian Guif Guilf of Oman			Somor Bidbid D2 25	Dima & A'Tayin	Quriyat			
CHICAGO NO P SHADI AMANA REMAILE O O O O O O O O O O O O O O O O O O O		A/83/87 \$08	Sina Mudha	Al Qabil	Wadi Bani Khalid	Sur D2		
YEVEN YEVEN	•	100 200 m			<u>-</u> , \	amil (
			1	Jaalan E	Bani Bu Hasan 🏹			

Pr	oie	ect	Pr	ofil	le
	٧.			·	_

Project Number: D3 Region: Name Nizwa – Bahala - Ibri A'Dakhliyah **Existing Road Condition** National Road No. 21, 2-Lane Primary Highway Dualization to 4-lane divided Highway, to accommodate the future expected ADT. **Objective** Securing safe and smooth, long distance, high speed traffic on this major primary road. D3-2 D3-1 Total (km) Segment Nizwa Bahla From Location Ibri To Bahla Length (km) 40 85 125 2005 2010 2020 2030 Traffic Year Volume 5,600 6,200 4,800 9,700 PCU/day Construction additional 2-lane, median, shoulders **Work Item** improvement of existing road alignment to correspond the requirements of a dualized highway with 120 km/hr design speed. Cost (1,000 RO) 10,810 Construction 14,100 900 690 **Engineering** 15,000 11,500 **Total Implementation Plan** 7th 5-Year Development Plan 2006 **Implementation** From 2006 Schedule 2008 2008 To (Moderate/Significant) - Passing beside Bahla Fort (World Heritage). **Environmental Impact** - Relocation of houses, mosque, etc. Ar Rustag **KEY MAP** 0 Awabi Hamra Ibri Guif of Oman UNITED ARAB EMIRATE Nizwa. **∕**Bahla d Karsha 🎙 40km

Adam •

Fahud

Project Profile							Projec	t Nu	ımber: D4
Na	me		Kar	sha-Al Gh	aba-Thumr	ayt-Salalah	A	Regio A'Dak Dhofa	hliya/Wusta
Existing Roa	d Con	dition	National	Road No. 3	31, 2-Lane	Primary Hig	ghway		
3								noda	te the future
			expected			<i>U y</i> ,			
Obje	ctive				smooth lor	ng distance	high spe	ed tr	raffic on this
			_	mary road.		-6,	8P		
Segn	nent		D4-1	D4-2	D4-3	D4-4	D4-5		Total (km)
Segn	iciit	From	Karsha	Al Ghaba	Hayama	Muntasr	Thumray		Total (KIII)
Location To			Al Ghaba	Hayama	Muntasr	Thumrayt	Salalah		
Longth	(km)	10	196	174	200	200	71		841
Length (km) Traffic Year			200:		2010		020	\perp	2030
1								-	
Volume	PC	CU/day	2,40		3,100		700		11,400
***	Ŧ.		Construc		additional		median,		oulders and
Work	Item								respond the
			requirem	ents of a du	ialized high	hway with 1	20 km/h	r desi	gn speed.
Cost (1,0)00 RC))							
Construction			16,213	14,393			5,87		
Engineering			1,035	919	,		37		
Total			17,248	15,312	17,600	17,600	6,24	18	
Implementation Plan			8th	8th	9th	9th	9th		
Implementati	ion	From	2011	2013	2016	2016	2020		
Schedule		To	2015	2016	2019	2020	2022		
									for Segment
			D4-1 & D4-4 and (Moderate Impact) for Segment D4-5.						
			D4-1 Influence to cultural heritage.						
Environme	ntal Im	ıpact	D4-2 and D4-3 Insignificant impact.						
			D4-4 Influence to cultural heritage.						
			D4-5 Increased traffic volume, Deforestation by excavation and						
			embankment, and Increased accident of domestic animals, etc						
KEY	/ MA	AP						(arsha	ibro
×	S.	IŞLAMIÇ REPUBLIÇ		IGDOM OF SA	UDI ARABIA			Garat Al 1	Mith
Aresien Guit		Low			/			Ghabah	\$ \$9
	S.	Quit of On					D4		
UNITED ARAB EMIRATES		TOP O				,			
					Muqshin 3	Hayma Bahja	·	# Dam .) {	
plingson of sylan physic						39			\ \.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\
				Dawkah		\	-		Res Statement
				<u>.</u>) in (1) 1/2)	Arab	ian Sea
REPUBLIC TO THE PROPERTY OF TH		//eb/en/8	9	Thumray!		Ale Shangraga Jaco A Helenipal			
YELZON X	<u>///</u> ,	100 200.#1	△ -﴿		}_	_			

T		T	Co I
Proj	IPCT	Pro	MILLE
110	·	11	,,,,,

Project Number: D5

Project Profile			Project Number: D5					
Na	me		Majis (Sohar) – Az Zarub - Buraymi Region: Batinah /A'Dhahira					
Existing Roa	d Con	dition	National Road No. 07, 2-Lane Primary Highway					
Obje			accommodate the Securing safe an major primary ro		ADT.	sh speed traffic o	on this	
Segn	nent	1	D5-1	D5-2		Total (km)	
Location		From	Majis	Az Zarub				
Location		To	Az Zarub	Buraymi				
Length	ı (km)		81	16		97		
Traffic	,	Year	2005	2010	2020	203	0	
Volume	PC	CU/day	5,400	3,900	7,400	12,10	00	
Work				f additional 2- f existing road a dualized highwa	alignment		d the	
Cost (1,0)00 RC))	200:		.			
Construction			39,844	1,323				
Engineering			2,546	85				
Total			42,430	1,408	3			
Implement			7th	8th				
Implementati	ion	From	2006	2011				
Schedule		To	2009	2013				
Environmen	ntal Im	npact	- Alteration of topography Deforestation by excavation and embankment Increased accident of domestic animals, etc.					
KEY MAP					(05)	Shino	SL	
Arabian Guit Guit of Omen			N	lahdah		Majis		
UNITED ARAS EMPATES			Al Buraymi	- Az Zarub	D5			
(CI)(COO+I O* S-UDI ARMSIA			To Abu Dhabi	7/2/20100	Al Waj	aja /		
REPORT OF THE PROPERTY OF THE	<u>.</u>	Arecien See	Hafit (0	08 20	40km	

Project Profile Project Number: D6 Region: Name Mizbar – Qaryatan - Izki A'Sharqiya **Existing Road Condition** National Road No. 25, 2-Lane Primary Highway Detour route for NR No. 15. Dualization of NR 25 to accommodate the future expected heavily **Objective** trafficked. The construction will consider the reasonable counter measures regarding wadi floods. Segment Total (km) Mizbar From Location To Izki Length (km) 85 85 Traffic Year 2005 2010 2020 2030 1,500 2,500 4,400 Volume 1,200 PCU/day Construction of additional 2-lane, median, shoulders Work Item improvement of existing road alignment to correspond the requirements of a dualized highway with 120 km/hr design speed Cost (1,000 RO) 12,305 Construction **Engineering** 785 13,090 **Total Implementation Plan** 9th 5-Year Development Plan **Implementation** From 2016 Schedule 2018 To (Slight/Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. - Relocation of houses. W.Maawil Al Amrat **KEY MAP** 🍎 Bidbid Samail (6 **D6** Dima & A'Tayin Izki Al Mudhaibi Ibra

40km

20

Sinaw •

Pro	iect	Pr	ofil	e
110	cci	1 1	UIII	·

Project Number: D7 Region: Name Ma'mura - Taqah Dhofar **Existing Road Condition** Extension of National Road No. 49, 2-Lane Highway Extension of existing dualized road (NR 49) from Salalah towards east. **Objective** Securing safe and smooth, long distance, high speed traffic on this major primary road. Segment Total (km) Ma'mura From Location To Taqah 20.0 20.0 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 2,800 3,300 4,600 8,600 additional 2-lane, median, shoulders and Construction of **Work Item** improvement of existing road alignment to correspond the requirements of a dualized highway with 120 km/hr design speed Cost (1,000 RO) 1,654 Construction 106 **Engineering Total** 1,760 Implementation Plan 7th 5-Year Development Plan **Implementation** From 2006 Schedule 2007 To (Slight) Insignificant impact. **Environmental Impact KEY MAP** Qaftd Insham 0 Taqah Salalah Mirbat Raysut **D7**

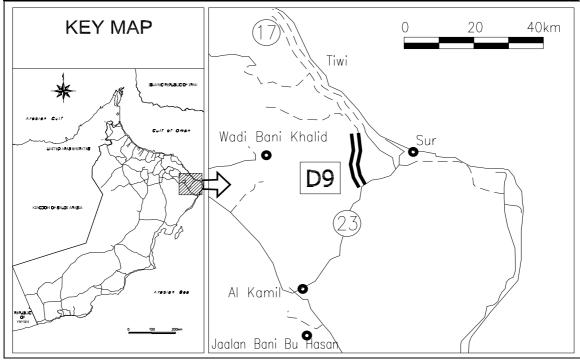
40km

Project Profile Project Number: D8 Region: Name Muladdah – Hazm Road Batinah **Existing Road Condition** 2-lane road, extension of already dualized section of NR 11. Dualize to become an extension of the existing dualized road (NR 11) Rustag-Hazm section. **Objective** Strengthening road network in baraka-Al Awaabi-Rustaq-Al Muladdah area. Total (km) **Segment** Muladdah From Location Hazm To 24.0 Length (km) 24.0 2005 2010 2020 2030 Traffic Year Volume PCU/day 8.000 9,400 7,900 14,400 Construction of additional 2-lane, median, shoulders and improvement of existing road alignment to correspond the **Work Item** requirements of a dualized highway with 120 km/hr design speed. Cost (1,000 RO) Construction 1,985 **Engineering** 127 Total 2,112 Implementation Plan 7th 5-Year Development Plan 2009 Implementation From Schedule To 2011 (Slight/Moderate) - Deforestation by excavation and embankment. - Influence to cultural heritage. **Environmental Impact** - Increased accidents of domestic animals. 40km 20 **KEY MAP** Suwaia Mushaya Barka **D8** Gulf of Omen Haylayn **●**(Howqayn Ar Rustaa W.Maawil 💿 Nakhal Samail (6 Awabi Al Hamra

T		T	Co I
Proj	IPCT	Pro	MILLE
110	·	11	,,,,,

Project Numl	ber: D9	
--------------	---------	--

Project Profile Project Number: D9								
Na	me		Quriyat – Sur Phase III			Region: A'Sharaqiya		
Existing Road Condition			Road connect NR 17 and NR 23 outside the urbanized area of Sur.					
Objective			Continuation of Dualization of NR 17 plus construction of dualized road bypassing the urbainized area of Sur to connect with NR 23. Securing safe and smooth, long distance, high speed traffic on this major primary road.					
Segment						Total (km)		
Location		From	Qalhat					
Location		To	Sur					
Length	ı (km)		18.00			18.00		
Traffic		Year	2005	2010	2020	2030		
Volume	PC	CU/day	8,200	4,500	6,400	15,200		
Work Item			Construction of additional 2-lane, median, shoulders and improvement of existing road alignment to correspond the requirements of a dualized highway with 120 km/hr design speed					
Cost (1,000 RO) Construction Engineering Total			4,593 293 4,886					
Implementation	Plan		1,000	7 th 5-Year Dev	elopment Plan			
Implementati		From	2009					
Schedule		То	2010					
Environmental Impact			(Slight/Moderate) - Increased traffic volume Alteration of topography - Deforestation by excavation and embankment Influence to cultural heritage Increased accidents of domestic animals.					
		_	Min					



Project Profile Project Number: D10 Region: Name Baraka - Rustaq Road Batinah Important Primary 2-lane National Road No. 13 connecting Baraka **Existing Road Condition** and Rustaq to Ibri. Complete a circuit of dualized road (Baraka-Rustag-Muladdah (NR 13 and NR 11). **Objective** Securing safe and smooth, long distance, high speed traffic on this major primary road. Segment Total (km) Baraka From Location To Rustaq Length (km) 84.00 84.00 Traffic Year 2005 2010 2020 2030 1,500 2,200 Volume 1,600 3,600 PCU/day Construction additional 2-lane, median, shoulders Work Item improvement of existing road alignment to correspond the requirements of a dualized highway with 120 km/hr design speed Cost (1,000 RO) 8,499 Construction **Engineering** 543 9,042 **Total Implementation Plan** 8th 5-Year Development Plan **Implementation** From 2011 Schedule 2014 To (Slight/Moderate) **Environmental Impact** - Influence to cultural heritage. - Increased accidents of domestic animals. 20 40km **KEY MAP** Suwaiq ISLAMIC PEPUR IC OF IRAN Barka Musanah Howgayn W.Maawil Rustag Nakhal Bidbid Samail (6 Awabi

Project Profile	Projec	t Number: D11
		Danian.

Project Profile						Trojec	LINUIII	ber: DII
Nam	1e		Ibri	Ibri – Ad Dariz Road Region: A' Dhahira				
Existing Road	l Cond	lition	2-lane AC paved road with paved shoulders 0.5 ~ 1.5 m width.					
Objective			 This road act as a connection between NR 21 and NR 9. Through the NR 9 the road will be connected to NR 10. Furthermore through NR 10 the road will becomes connected to both NR 11 and NR 13 The road is an important link connecting Ibri with major cities along the coast such as Rustaq, Sohar and Baraka The road is important concerning the expected future traffic volumes 					o NR 10. onnected to najor cities
Segment			voidines				To	otal (km)
		From	NR 21					tur (IIII)
Location	•	To	NR 09					
Length	(km)	10	19.00					19.00
Traffic		ear	2005	2010		2020		2030
Volume		U/day	2,700	3,900		7,400		12,100
, ordine	10	oruay	Construction of		2-lane,	,	shou	
Work l	Item		improvement of					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			requirements of a	_	_			1
Cost (1,00	00 RO)						, » p • • • ·
Construction		,	1,572					
Engineering			100					
Total			1,672					
Implementation I	Plan		7	8 th 5-Year De	evelopm	ent Plan	L.	
Implementatio		From	2011					
Schedule	ŀ	To	2012					
•			(Moderate)				1	
Environment	tai im _j	pact	Relocation of sor	ne houses.				
KEY MAP		Dank	Yanq	ul J	(C	19)		
Arabian Guit UNITED ANS EVENTES		SLAMIC REPUBLIC OF IRAN Culf of Omen		D11	Dai	ri7	/_	10
KENGDOM OF SAUDI APABIA REPUBLICA OF SAUDI APABIA		A/83/80 Sed		Ibri	0		20	40km

Proj	ect	Pro	file

Project Number: D 12

Project Profile			Project Number: D 12				
Nan	ne		Taqah - Mirbat Region: Dhofar				
Existing Road Condition			Extension of Nati Highway.	onal Road No.	49in the east dire	ction, 2-Lane	
Objective				will create an	easy access bet	n Salalah towards ween Taqah and	
Segm	ent					Total (km)	
I		From	Taqah				
Location		To	Mirbat				
Length	(km)		16.00			16.00	
Traffic		Year	2005	2010	2020	2030	
Volume		U/day	2,800	3,300	4,600	8,600	
		- , wwj	Construction of		2-lane, median,	shoulders and	
Work	Item					correspond the	
,, oik			requirements of a				
Cost (1,0	00 RO)					
Construction		,	1324				
Engineering			84				
Total			1,408				
Implementation 1	Plan		8 th 5-Year Development Plan				
Implementation		From	2015	:			
Schedule		То	2016				
Environmental Impact			(Slight/Moderate) Increase accident of domestic animals.				
KEY MAP							
MINISTED ANNS EMPRATES KINGSON OF SAUDI ARASIA		SANCE REPUBLIC OF IRAN	Qaftat S Raysut	alalah	Taqah	Mirbat	
A/82/80 Sea				0	D12 20 40)km •	

Project Profile Project Number: D13 Region: Name Raysut - Rakhyut Dhofar **Existing Road Condition** Paved, 2-lane, 2-way, undivided highway Extension of the existing dualized road NR 47 in the west direction from Salalah. The road will create an easy access among Rakhyut, **Objective** Mughsayl and Raysut that will decrease the required travel time. Total (km) Segment From Raysut Location To Rakhyut Length (km) 80.00 80.00 Traffic 2005 2010 2020 2030 Year 1000 1,300 2,400 Volume 1,000 PCU/day Construction additional 2-lane, median, shoulders and improvement of existing road alignment to correspond the **Work Item** requirements of a dualized highway with 120 km/hr design speed Cost (1,000 RO) Construction 11,581 **Engineering** 739 12,320 **Total** 12th 5-Year Development Plan **Implementation Plan** 2031 **Implementation** From Schedule To (Moderate) - Alteration of topography. - Deforestation by excavation and embankment. **Environmental Impact** - Increased accidents of domestic animals. **KEY MAP** Aybut Qaftut Gulf of Omen UNITED ARAB EMIRATES Aydam Mughsayl Rakhyut D13 Dalkut 20 40km **Project Profile Project Number:** D14 Region: Name Rakhyut - Yemen Border Dhofar **Existing Road Condition** Paved, 2-lane, 2-way, undivided highway Extension of the existing dualized road NR 47 in the west direction **Objective** from Salalah. The road will create an easy access between Rakhyut and Dalkut that will decrease the required travel time. Total (km) Segment From Rakhyut Location Yemen Border To Length (km) 45.00 45.00 Traffic 2005 2010 2020 2030 Year 1,300 2,400 Volume 1,000 1,000 PCU/day Construction additional 2-lane, median, shoulders and improvement of existing road alignment to correspond the **Work Item** requirements of a dualized highway with 120 km/hr design speed Cost (1,000 RO) Construction 6514 **Engineering** 416 6,930 **Total** 12th 5-Year Development Plan **Implementation Plan** 2031 **Implementation** From Schedule To (Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. - Relocation of houses. **KEY MAP** Aybut Qaftut 👝 UNITED ARAB EMIRATES Aydam Raysut Yemen Mughsayl Rakhyut Dalkut D14 20 40km

Project Profile		T		Projec	t Number: D15		
Name		Dawhak – Al Ma		Region: Dhofar			
Existing Road Condi	ition	Graded road					
Objective		Dualization of road connecting NR 31 and Yemen border. Strengthening of alternate/shortcut route for ESCWA Route M100.					
Segment					Total (km)		
Location	From	Dawhak					
	To	Al Mazyunah					
Length (km)		226.00			226.00		
	ear	2005	2010	2020	2030		
Volume PCU	J /day	200	200	200	400		
Work Item		Construction of improvement of requirements of a	f existing road	alignment to	correspond the		
Cost (1,000 RO)							
Construction		18,695					
Engineering		1,193					
Total		19,888					
Implementation Plan			12 th 5-Year De	velopment Plan			
Implementation	From	2031					
Schedule	To						
Environmental Imp	oact	(Slight) Insignificant Imp	pact.				
KEY MAP	LAMIC REPUBLIC OF IRAN	• Mitan	20 40	60 80 100 D15	Dowkah o		
UICTED ARAGE EVERATES KENGDOW OF \$-AUDI. APABLA	Aresian Sea		Qofa Nawsinat	Sh Mudayy Aybut	Thumroyt •		

Project Profile Project Number: N1 Region: Name New Batinah Expressway Batinah **Existing Road Condition** New road • Mitigate traffic congestion on the existing Batinah /Highway. • To cater for the future traffic along the coastal area. • The road wills strength the connection of Oman with neighboring **Objective** countries. • The road will support the future implemented plans for development of Batinah Region. N1-2 N1-1 N1-3 N1-4 N1-5 Total (km) Segment Baraka Musa-Musha-Saham Sohar From naah yq Location Musa-Musha-Saham Sohar Bound-To naah ary yq Length (km) 58 53 26 49 246 60 2005 2030 Traffic 2010 2020 Year Volume 25,300 PCU/day 41,500 Construction of 4-lane, 2-way divided expressway along Batinah Region. The road will be designed taken into consideration Work Item Standard, Specifications and Oman Design Manuals. Cost (1,000 RO) 29,411 26,297 13,000 31,012 24,369 Construction 1,979 1,322 **Engineering** 1,877 830 1,555 Total 32,991 31,288 27,975 13,830 25,924 132,008 8th 9th Implementation Plan 8th 8th 9th 2011 2016 2016 **Implementation** 2012 2013 From Schedule To 2015 2016 2016 2019 2019 (Moderate) For all segments the expected impacts are: - Increased traffic volume. **Environmental Impact** - Alteration of topography. - Deforestation by excavation and embankment. - Influence to cultural heritage. - Increased accidents of domestic animals. **KEY MAP** Gulf 0 man N₁

Al Hamra

Project Number: N3

Project Profile		Project Number: N3							
Name			Bait Al I	Barakah – K	Chatmet Ma	lahah, Coas	stal Reg Bati		
Existing Road Condition			At some areas 7m wide carriageway width, AC/ST surface generally in good condition.						
Objective			 Mitigate traffic congestion on the existing Batinah /Highway To cater for heavy local traffic along the coast and relive the congestion on Batinah Highway Promote better communication among the cities along the coast 						
Segm	ent		N3-1	N3-2	N3-3	N3-4	N3-5	Total (km)	
Location		From	Bait Al Baraka	Baraka	Suwayq	Saham	Sohar		
Location		To	Baraka	Suwayq	Saham	Sohar	Khatmet Malahah		
Length	(km)		17.00	53.00	71.00	30	84	255.00	
Traffic		/ear	2005		2010	20	020	2030	
Volume	PC	U/day				7	700	3,200	
	Work Item			ion of 2-lar	e, 2-way hi	ghway			
Cost (1,0	00 RO)							
Construction			1230	3836	5139	2171	6080		
Engineering			79	245		139	388		
Total			1,309	4,081	5,467	2,310	6,468		
Implementation 1	Plan		9 th	9 th	10 th	9 th	11 th		
Implementation		From	2019	2020	2022	2019	2026		
Schedule		То	2021	2022	2025	2021	2030		
Environmen	tal Im	pact	 Increased traffic volume. Alteration of topography. Deforestation by excavation and embankment. Relocation of houses. Increased accidents of domestic animals. 						
KEY	MAP)	Khatmet M				0 20	40km	
Arabian Guif G. Jinni				Liwa	Gul	f of	0 m a	n	
120 (200) OF \$-UDI, ANIBIA ALPRIANCE 121 (200) OF \$-UDI, ANIBIA ALPR			Al Wajaja Nama Nama Nama Nama Nama Nama Nama Na	Al Hayl	Mushayq Al Haylayn Al	Suwaiq O Aawagyn Aawagyn Awabi	W.Maowill	Bidbid	
			lbri		Al Hamr	1	\(15)		

Project Profile Project Number: N4 Region: Name Diba - Khasab Musandam Existing road is a track road with many section with substandard **Existing Road Condition** geometry and dangerous to travel. Upgrading the track road to 2-lane paved road following the **Objective** standards to facilitate the connection with UAE and to help the development of Musandam Governorate. Total (km) Segment Diba From Location Khasab To Length (km) 95 95 Traffic 2005 2010 2020 2030 Year Volume 1,400 2,000 2,900 PCU/day 700 **Work Item** Construction of 2-lane, 2-way highway Cost (1,000 RO) 23,915 Construction 1,525 **Engineering** 25,441 **Total** Implementation Plan 7th 5-Year Development Plan 2006 **Implementation** From Schedule 2010 To (Slight/Moderate) - Alteration of topography. - Deforestation by excavation and embankment. **Environmental Impact** - Influence to cultural heritage. 20 40km **KEY MAP** Khasab Bukha 💿 Gulf of Omen Lima **N4** Khaymah Ras A Daba Al Bayah U.A.E

Project Profile

Name

Existing Road Condition

Objective

Segment

Length (km)

Work Item

Cost (1,000 RO)

Location

Traffic

Volume

Construction **Engineering**

Implementation Plan

Implementation

Total

Project Number: N5 Region: Musandam This road is necessary for enhancement of communication between the two cities as well as promotion of tourism. Total (km) 25 2020 2030 200 300 Construction of 2-lane, 2-way highway.

Schedule	10	2011	
		(Slight/Moderate)

From

From

To

Year

PCU/day

- Alteration of topography. **Environmental Impact**

- Deforestation by excavation and embankment.

2010

100

7th 5-Year Development plan

- Influence to cultural heritage.

3,807

4,050

243

Lima Link - Khassab

Lima Link

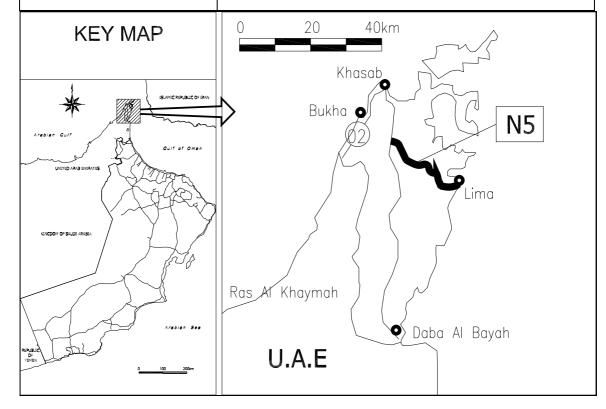
Khassab

25

2005

2009

There is existing AC road.



n				n			
Р	r	Λī	ect	Р	r	ntı	IP
•		v	$\cdot \cdot \cdot$			\mathbf{v}_{11}	

Project Number: N6 Region: Name Al Ashkharah - Shanna A'Sharqiyq Part graded road, part track road and part there is no road. **Existing Road Condition** Construction of a missing link and complete circuit of Ibra-Alkmil-Ashkharah-Hij-Sinaw. The road will create an easy access between **Objective** Al Ashkharah and Shanna that will decrease the required travel Segment Total (km) Al Ashkharah From Location Shanna To Length (km) 164 164 Year Traffic 2005 2010 2020 2030 PCU/day Volume 400 200 300 Construction of 2-lane, 2-way highway. **Work Item** Cost (1,000 RO) Construction 14,100 **Engineering** 900 15,000 Total **Implementation Plan** 7th 5-Year Development Plan **Implementation** From 2008 Schedule To 2012 (Moderate/Significant) - Alteration of topography. - Influence to sand desert wildlife. **Environmental Impact** - Permanent occurrence of sand storm. - Influence to cultural heritage. **KEY MAP** Jaalan Bani Bu Ali Ashkharah **N6** Khuwaymah Ash Shara An Najdah 40km

Project Profile			T		Proj	ect Number: N		
Name Existing Road Condition Objective			Hasik - Shuwaymiyah Region: Dhofar					
			There is no road and the area is highly environment-sensitive (road pass through important natural reserve).					
			Construction of the circuit of Salalah-S					
Segme	nt					Total (km)		
Location		From	Hasik					
		То	Shuwaymiyah			00.00		
Length (114.00	2010	2020	80.00		
Traffic Volume		ear	2005	2010	2020 500	2030		
Votume Work It		J /day	Construction of 2-v	2 lana D		300		
Cost (1,00			Construction of 2-v	way, 2-lane K	oau			
Construction Engineering Total	u KO)		37,856 1,170 39,026					
Implementation P.	lan		7 th 5-Year Development Plan					
Implementation		From	2006	7 3 1 001 130				
Schedule		То	2010					
Environmental Impact KEY MAP			- Alteration of topo - Influence of inlet - Passing in the Jab - Influence of mou - Influence to cultu	and wadi morel Samhan Nantainous and ural heritage	atural Reserve			
Areaien Guill Guill of Omen					Shalim	41		
UNITED ARIS EPIDATES UNICODO POR SAUDI ARABA			N7	Ash	Shuwaymiyah Juzor Al Halla	niyat ~		
waa si		See See		dbin	0_			

Project Profile Project Number: N9 Region: Name Marmul-Shelim-Sharbithat-Sawqrah Dhofar **Existing Road Condition** Graded NR No. 41 Connect Dhofar with Northern Oman. The road will create an easy **Objective** access among Marmul, Shelim, Sharbithat and Sawqrah that will decrease the required travel time. Total (km) Segment Marmul From Location Sawqrah To 140 140 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 300 100 700 Upgrade the graded road to 2-lane paved road with standards of **Work Item** primary road. Cost (1,000 RO) 6,392 Construction 408 **Engineering** Total 6,800 Implementation Plan 7th 5-Year Development Plan **Implementation** From 2008 Schedule 2011 To (Slight/Moderate) Passing near the Jabel Samhan Natural Reserve. **Environmental Impact** Rima 6 **KEY MAP** Al Jazer o 🍾 Amal Marmul **N9** Sawarah Shalim Sharbithat Ash Shuwaymiyah 40km Juzor Al Hallaniyat

Hasik

Project Profile			Project Number: N10					
Name			Shelim - Shuwayı		Region: Dhofar			
Existing Road Condition			Graded NR No. 4	2.				
Objective			Connect Dhofar with Northern Oman. The road will create an easy access between Shelim and Shuwaymiyah that will decrease the required travel time.					
Segn	nent					Total (km)		
I 4'		From	Sawqrah					
Location		То	Shuwaymiyah					
Length	ı (km)		48			48		
Traffic		Year	2005	2010	2020	2030		
Volume	PC	U/day		200	300	500		
Work	Item		Upgrade the grad primary road.	led road to 2-la	ane paved road	d with standards of		
Cost (1,0 Construction Engineering Total	000 RO)	3,069 196 3,265					
Implementation	Plan		7 th 5-Year Development Plan					
Implementati		From	2006		•			
Schedule		To	2008					
Environmer	ntal Im	pact	(Slight/Moderate)- Alteration of topography.- Passing near the Jabel Samhan Natural Reserve.- Influence to cultural heritage.					
KEY	MAF	•	Marmul • Amal					
*		IS.AMICREPUBLIC OF IRAN			Shalim			
Arebien Guil Guil of Omen			N10 (41)					
KINGOGH O" SAUDI ARABIA			Ash Shuwaymiyah					
			Juzor Al Hallaniyat					
PERUSAN A/a0/an Sea 0 100 200mm			0 20 40km					

Project Profile	Pro	Project Number: N11		
		Region:		

Project Profile			Project Number: N11					
Namo	e		Rakhyut – Dalkut	Rakhyut – Dalkut Coastal Road Region: Dhofar				
Existing Road Condition			There is no direct road.					
Objective			The road will directly connect the center of Wilayat Rakhyut with the center of Wilayat Dalkut along the sea coast. The road will promote the tourist and commercial activities in Wilayat Rakhyut and Wilayat Dalkut. Shortcut between the two cities in place of existing pass through NR 45 and NR 47.					
Segme	nt					Total (km)		
Location		From	Rakhyut					
		To	Dalkut					
Length (25.00			25.00		
Traffic		'ear	2005	2010	2020	2030		
Volume	PC	U/day		900	1,200	2,100		
Work It	tem		Construct 2-way,	2-lane primary		,		
Cost (1,000 Construction Engineering Total	0 RO))	1,810 115 1,925					
Implementation P	lan		10 th 5-Year Development Plan					
Implementation		From	2023					
Schedule	•	To	2024					
Environmenta	Environmental Impact		 (Moderate) - Alteration of topography. - Deforestation by excavation and embankment. - Influence to cultural heritage. - Relocation of houses. 					
KEY M	/IAP		Habrut		Aybut			
Aresien Guit	IS-AMIC REPUBLIC OF IRAN				45)			
UNITED ARAS ENERATES KINCODH O" SIUDI ARAEA					• Aydam Rakh	Mughsayl		
Areolen See			To Yemen	Dalk 0 2	N11			

Project Profile			,		Proje	ect Number: N12			
Na	me		Madinat Al Haq -		Region: Dhofar				
Existing Road Condition Objective			Graded road						
			Formation of the road. The existing increase the traffic	g of the road car					
Segn	nent					Total (km)			
Location		From	Madinat Al Haq						
Location		To	Nashib						
Length			28.00			28.00			
Traffic		Year	2005	2010	2020	2030			
Volume	PC	U/day				600			
Work			Construct 2-way,	2-lane seconda	ry road.				
Cost (1,000 RO) Construction Engineering Total			7,106 454 7,560						
Implementation			7 th 5-Year Development Plan						
Implementati	ion	From	2009						
Schedule		To	2011						
Environme	ntal Im	pact	(Moderate)- Alteration of topography.- Deforestation by excavation and embankment.						
KEY	MAF								
SAME NEW BELL OF BANK UICTED AND BANKATES REPUBLIC OF SAUDI ARABIA ALED AT See REPUBLIC OF SAUDI ARABIA ALED AT See				N12					
					Insham				
			Sa Raysut	alalah	Taqah Mii	rbat			
			>		0	20 40km			

Project Profile Project Number: N13 Hujaif – Jahnin - Asir Region: Name Dhofar Graded road **Existing Road Condition** This road is an alternative for Salalah-Thumrayt road in case of emergency. This road serves many residents around the pass of the road. **Objective** The road pass through important mountain area in dhofar, therefore, it is very important to promote the tourist activities in this area especially during autumn season. Total (km) Segment Hujaif From Location Asir To Length (km) 22 Traffic 2005 2010 2020 2030 Year Volume PCU/day Construct 2-way, 2-lane secondary road **Work Item** Cost (1,000 RO) Construction 5584 **Engineering** 356 Total 5,940 Implementation Plan 8th 5-Year Development Plan **Implementation** From 2013 Schedule To 2016 (Moderate) - Alteration of topography. - Deforestation by excavation and embankment. **Environmental Impact** - Influence to cultural heritage. - Increased accidents of domestic animals. Thumrayt o **KEY MAP** Barbazum Insham Qaftat 👝 Taqah Salalah Raysut N13 Mughsayl 40km 20

Teetam - Qaffut Road 9 Dhofar	Project Profile			Project Number: N14				
In Raysut Region This road include the Qafut roadblock Qafut Qafut	Na	me		Teetam – Qaftut	Road 9		Region: Dhofar	
Segment Teetam Total (total limits)	Existing Roa	Existing Road Condition		This road include the Qafut roadblock Qafut roadblock is very dangerous for the road users especia				
To Qaftut	Obje	ctive						
Location To Qaftut Length (km) 12.00 12.00 Traffic Year 2005 2010 2020 2030 Work Item Cost (1,000 RO) Construction Engineering 194 Total Implementation Schedule Environmental Impact KEY MAP August Salalah Raysut Mughsoyl	Segr	nent					Total (km)	
To Qaftut			From	Teetam				
Traffic Volume PCU/day Work Item Construct of 2-lane, 2-way road Cost (1,000 RO) Construction Engineering 194 Total 3,240 Implementation Plan 2006 Schedule To 2008 Environmental Impact (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP Acceptable Schedule Construct of 2-lane, 2-way road Construct of 2-	Location		То	Qaftut				
Traffic Volume PCU/day Work Item Construct of 2-lane, 2-way road Cost (1,000 RO) Construction Engineering 194 Total 3,240 Implementation Plan 2006 Schedule To 2008 Environmental Impact (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP Acceptable Schedule Construct of 2-lane, 2-way road Construct of 2-	Lengt	ı (km)		12 00			12 00	
Work Item Cost (1,000 RO) Construction Engineering Total Implementation Plan Implementation Schedule Environmental Impact KEY MAP Total According to the page 10 and					2010	2020	2030	
Work Item Cost (1,000 RO) Construction Engineering Total Implementation Plan Implementation Schedule Environmental Impact KEY MAP Construct of 2-lane, 2-way road 3046 194 3,240 Implementation Plan Implementation Schedule To 2006 Alteration of topography. Deforestation by excavation and embankment. Increased accidents of domestic animals. Construct of 2-lane, 2-way road Analysis of the property of the				2000		2020		
Construction Engineering Total Implementation Plan Implementation Schedule Environmental Impact KEY MAP Cost (1,000 RO) 3046 194 3,240 The 5-Year Development Plan (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. Construction Construction Augustic Research State Construction Co				Construct of 2-la	ne. 2-way road	1	1	
Construction Engineering Total 3,240 Implementation Plan Implementation Schedule Environmental Impact Environmental Impact KEY MAP Salalah Raysut Mughsayl))	001151140101214				
Total 3,240		000 110	,	3046				
Total 3,240								
Implementation Schedule To 2008 (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals.				3,240				
Environmental Impact Environmental Impact (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP (Note the page 20 to the page 10 t	Implementation	Plan		·	7 th 5-Year De	velopment Plan		
Environmental Impact (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Application of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. (Moderate) - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals.	Implementat	ion	From	2006				
- Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. KEY MAP - Alteration of topography Deforestation by excavation and embankment Increased accidents of domestic animals. Only or Ores Out or Ores Out of Ores Out of Ores N14 Raysut	Schedule		To	2008				
IS-INCREMANCO SAMI OUT OF ORDS Quift of Ords Raysut Mughsayl	Environme	Environmental Impact		Alteration of topography.Deforestation by excavation and embankment.Increased accidents of domestic animals.				
Qaftat Qaftat N14 Salalah Raysut Mughsayl	ISJANIC PERUSUCOF IRAN		(45)	Thumr	ait		
Arebien See Rakhyut 0 20 40kn	HENGOON OF SAUDI ARABIA				14	Salal		

Project Profile			Project Number: N15				
	me		Haluf -Masahilah			Region: Dhofar	
Existing Roa	ad Cond	lition	Mountainous road wonderful natural			characterized with	
Obje	ective					e the road will be he residents on the	
Segr	Segment From					Total (km)	
Location		To	Masahilah				
Length (km)			14			14	
Traffic	Traffic Year			2010	2020	2030	
Volume		U/day	2005				
Work Item			Construct of 2-lan	e road through	mountainous te	rrain.	
Cost (1,) Construction Engineering	000 RO))	3553 227				
Total			3,780				
Implementation				10 th 5-Year De	evelopment Plan	<u> </u>	
Implementat	ion	From	2024				
Schedule		To	2025				
Environme	ntal Im	pact	(Slight/Moderate) Increased accidents	of domestic anin	nals.		
KEY	MAF)		15)	Thumr	rait	
A/20120 Quil	15.ANIC PRIVALIC OF 19AN			N15			
MATED ARAS EMPATES KINGDOM OF SAUDI ARASIA		Arabian Sea	Rakhyut	Qaftat Mughsayl	Raysut	alah Tagah	
72 T S S S S S S S S S S S S S S S S S S					0 2	0 40km	

Project Profile					Proje	ect Number: N16		
Na	me		Dawkah – Shisur -	Region: Dhofar				
Existing Roa	ıd Cono	lition	Graded road, 2-lane, 2-way.					
Obje	ctive		Strengthen the corralso act as detour intravel time and inc	road. The existi	ng of the road	order. The road can can reduce the		
Segment						Total (km)		
From Location		Dawkah						
Location		To	Qafaa					
Lengtl	1 (km)		156			156		
Traffic		Year	2005	2010	2020	2030		
Volume	Volume PCU/day		700	1700	3,600	9,200		
Work Item			Construction of 2-	way, 2-lane pav	ved primary roa	nd.		
Cost (1,000 RO) Construction Engineering Total		11,913 99 12,012						
Implementation	Plan		7 -	9 th 5-Year Dev	elopment Plan			
Implementati		From	2016					
Schedule		To	2020					
Environme	ntal Im	pact	(Slight/Moderate) Influence to cultural	heritage.				
KEY	MAF)	0 20	40km				
SUMMER REPUBLIC OF FAM		ISUANIC REPUBLIC OF IRAN			Daw	rkah.		
UNITED ARAG SHERATIS UNITED ARAG SHERATIS			Qafa	N1	Shisr	31)		
200,000 Arebien See				• Mudayy	Thumray	et •		

n		٠	4	n			•	
r	ro	1	ect	ľ	r	n	Ħ	le

Project Profile			Project Number: N17					
Nam	ie		Wadi Haruf - Shisur Region: Dhofar					
Existing Road	l Cond	lition	Graded NR 43.					
Objec	tive		Shortcut for the Pract as detour road. time and increase t	The existing o	f the road can r			
Segmo	ent					Total (km)		
Location	-	From	Wadi Haruf					
		To	Shisur					
Length			83			83		
Traffic		ear	2005	2010	2020	2030		
Volume	PC	U/day				200		
Work Item			Construction of 2-	way, 2-lane pa	ved primary roa	nd.		
Cost (1,00	00 RO)	Τ					
Construction		-	6,007					
Engineering			384					
Total			6,391					
Implementation I				11 th 5-Year De	velopment Plan	1		
Implementatio		From	2026					
Schedule		To	2029					
Environment	tal Im	pact	(Slight/Moderate) Influence to cultural	heritage.				
KEY N	ИAF)	0 20	40km				
•					Daw	vkah.		
UNITED ARAB ENTRATES		Gulf of Omer	Qafa	Sł	nisr N17	31)		
7:50 See 100 200m				Mudayy	Thumray (45)	et •		

Project Profile				Proje	ect Number: N18	
Nam	e	Mudayy-Aybut-Aydam			Region: Dhofar	
Existing Road	Condition	National Graded 2-lane road No. 45.				
Object	ive				ss the mountainous reases to the border	
Segme	ent				Total (km)	
	From	Mudayy				
Location	То	Mudayy				
Length ((km)	71.00			71.00	
Traffic	Year	2005	2010	2020	2030	
Volume	PCU/day	1,200	3,100	4,700	11,400	
Work I	tem	Construction of 2-	way, 2-lane pay	ed primary roa	ad.	
Cost (1,00	0 RO)		3, 1			
Construction	u RO)	9,010				
Engineering		575				
Total		9,585				
Implementation P	lan	, ,	9 th 5-Year Deve	elopment Plan		
Implementation		2019				
Schedule	То	2021				
Environment	al Impact	(Slight/Moderate) - Alteration of top - Deforestation by		embankment.		
KEY N	//AP	0 20 40	km	Shisr		
					31)	
*	ISLAMIC REPUBLIC OF IRAN	Qafa				
Arabian Gulf	Guif of Omen					
UNITED ARAB EMIRATES			\	Thumr	rayt •	
	ALC)	Tawsinat	Mudayy	(43)		
KINCOOM OF SAUDI ARABIA	Hala	Habrut	o Aybut			
		N1	.8 (45)	0-6-1		
	Arabian Sea			Qaftat 🗨	Tagah	
REPUBLIC OF YEMEN	0 100 200km		Aydam	Mughsay	Salalah Roysut	
		11	\rightarrow \sim	I - Mulahaa	ri .	

Project Profile			Project Number: N19					
Na	me		Al Mazyunah – T	awsinat – Hab	rut - Aydam	Region: Dhofar		
Existing Roa	d Con	dition	Graded 2-lane, 2-way road along the border with Yemen.					
Objective		are increased. The Mazyunah-Thum Mazyunah to we	nis road will m rayt road. It w estern region c	itigate the traffi ill be a shortcut of Dhofar Gov	the traffic volumes c congestion along for the traffic from ernorate bypassing s cloudy weather in			
Segment From		Al Mazyunah			Total (km)			
Location		То	Aydam					
Lengtl	n (km)		120			120		
Traffic	Traffic Year		2005	2010	2020	2030		
Volume	PC	CU/day						
Work	Item	-	Construction of 2	-way, 2-lane pa	aved primary roa	ad.		
Cost (1,0	000 RO))						
Construction	Construction		20,304					
Engineering			1,296					
Total			21,600					
Implementation	Plan		,	9 th 5-Year De	evelopment Plan	L		
Implementati		From	2019	, , , , ,		•		
Schedule		To	2022					
Schedule		10	(Slight/Moderate	<u> </u>				
Environme	ntal Im	pact	Alteration of topography.Deforestation by excavation and embankment.					
		-			id embankment.			
			- Influence to cul	tural neritage.				
VEV	N // A F	7	0	20 40k	/			
KEY	IVIA	_	•			Shisr		
			\ \			(71)		
 				Qafa /				
**	AT }	ISLAMIC REPUBLIC OF IRAN	\ \ \					
ر ا مر		man	Al Mazyur	nah 🔪				
Arebien Guif	ad		Yemen Yemen	\				
		Gulf of Omen				Thumrayt •		
UNITED ARAB EMERATES		Mary	'\\	`\		(IE)		
/	X		/ 3 law	'sinat	\	45		
	/_	THR.	\ >		` [®] Mudayy)		
Y	~~	Γ\ 🗸	\.\.		Aubut			
KINGDOM OF SAUDI ARASIA	J		\ \rightarrow\frac{1}{2}	Habrut	• (Aybut			
/)-	-J.S.			}			
/		Prop	DEDURE TO	N19		(T) (
	X\\	X	REPUBLIC	K~~	(45)	Qaftat •		
			OF	\(\frac{1}{2} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	1		YEMEN	\	Aydam			
	\Rightarrow	Arabian Sea		\	O Ayduili			
REPUBLIC TO THE PUBLIC TO THE			1>	`\		Raysut		
				_~~	^\ >	∫ o Mughsayl Salalah		
-		100 200km	To Yer	nen 🛨 💢	Rakhyut	491100)1		
			To ter	Dal				

Pro	iect	Pr	ofil	e
110	cci	1 1	UIII	·

Project Number: N20 Region: Name Shahb Asayb - Rakhyut Dhofar **Existing Road Condition** Track road. The road will directly connect Wilayat Rakhyut with Shabb he road will create shortcut for about 25 km extra length for **Objective** the traffic coming from Salalah to Rakhyut. The road therefore will promote the tourist, commercial, and social activities in Wilayat Rakhyut. Segment Total (km) Shahb Asayb From Location Rakhyut To Length (km) 16 16 2030 Traffic 2005 2010 2020 Year Volume PCU/day 2,100 400 1,000 1,200 Construction of 2-way, 2-lane paved road. **Work Item** Cost (1,000 RO) 4061 Construction **Engineering** 259 4,320 Total Implementation Plan 8th 5-Year Development Plan 2014 **Implementation** From Schedule 2015 To (Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. - Increased accidents of domestic animals. - Relocation of some houses.) **KEY MAP** Aybut Qaftat. Aydam Raysut Mughsayl Rakhyut Dalkut 40km

Project Profile						t Number: N21	
Nai	me		Dalkut – Khadra	fi - Sarfait		Region: Dhofar	
Existing Roa	d Cond	dition	The existing road is a single carriageway constructed in 1998 by Ministry of Defense. The road is located in the severely mountain area on the southern region of Dhofar. The road was subjected to different damages due to heavy rain and becomes too dangerous under the current heavy traffic.				
Objective			severe damages the required ros and the substan Due to the espe an interesting t also characterize	s are happened and protections dard adopted exial weather courist spot. The day with the courist spot and the courist spot.	into considera d since there w and lack of dra during the sub ba condition in the a he area plus its commercial and idary with Yeme	as no study for inage structures ase compaction. area, it becomes tourist activities social activities	
Segn	nent	T	5.11			Total (km)	
Location		From	Dalkut Sarfait			_	
	<i>a</i> >	To				14.00	
Length (km) Traffic Year		14.00 2005	2010	2020	14.00 2030		
Volume		Year CU/day	2005	2010	2020	2030	
	Work Item			e existing road	based on the HDN	M standards	
Cost (1,0		<u>))</u>	Tendominate of the	CAISTING FOUR	bused on the HB1	T Standards.	
Construction	, , , ,	,	3553				
Engineering			227				
Total			3,780				
Implementation	Plan			8 th 5-Year De	evelopment Plan		
Implementati	on	From	2011				
Schedule		To	2012				
Environmer	ntal Im	pact	(Moderate)- Alteration of topography.- Deforestation by excavation and embankment.- Increased accidents of domestic animals.				
KEY	MAF		Habrut		• Aybut		
ISLAND BERANDO OF INDIA ANSIA			REPUBLIC OF YEMEN			dam Mughsayl	
Arabian See			To Yeme	n	Dalkut 0	20 40km	

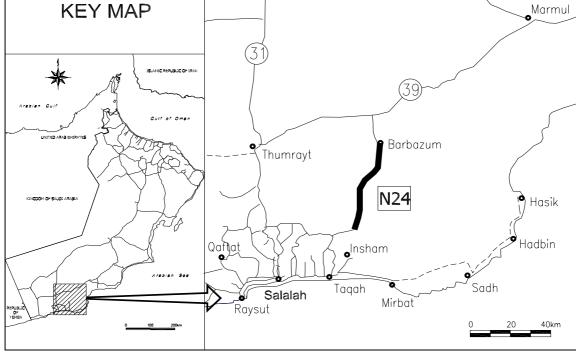
Project Profile					Projec	et Number: N22	
Nam	ne		Al Mazyunah - Mit		Region: Dhofar		
Existing Road	l Condi	ition	Graded road along the boundary with the Republic of Yemen.				
Object	Objective		After the development of Al Mazyunah Gate, the traffic volume are increased. The road will be constructed to cope with this traffincrease and as an extension to Project No. N19.				
Segme	ent					Total (km)	
Location		From	Al Mazyunah				
Location		To	Mitan				
Length	(km)		96			96	
Traffic	Y	ear	2005	2010	2020	2030	
Volume	PCU	U /day					
Work l	Item		Construction of 2-v	vay, 2-lane pav	ved road		
Cost (1,00 Construction Engineering Total	00 RO)		6,948 444 7,392				
Implementation I	Plan		1,372	9 th 5-Year Γ	Development		
Implementatio		From	2016	, , , , , , ,			
Schedule		To	2019				
Environmen	tal Imp	act	(Slight) Insignificant impac	t.			
KEY MAP		0	20 40km				
Arebien Guit UITTED AMB ENERATTES		ANIC PERUSIC OF 19AN	Mitan			Dawkah • Shisr	
KINGDON OF SHUDI, APAIKA	0 100	crepien See	To Yemen REPUBLIC OF YEMEN	Qaf Al Mazyunah Tawsinat Habrut	Mudayy Aybut 45	Thumrayt • 45	

Project Profile					Proje	ct Number: N23
Nar	ne		Hajaif - Masahila	h		Region: Dhofar
Existing Road	d Cond	dition	Graded road.			
Objec	etive					ns and the defense development of the
Segm	ent					Total (km)
Location		From	Hajaif			
		To	Masahilah			
Length		_	25			25
Traffic Volume		Year	2005	2010	2020	2030
Work		CU/day	Construction : 52	long normal		
			Construction of 2	-lane paved roa	ads.	
Cost (1,0 Construction Engineering Total	00 RO))	3173 202 3,375			
Implementation		1		11 th 5-Year D	evelopment Plan	1
Implementation	on	From	2029			
Schedule		To	2030			
Environmen	ıtal Im	pact	(Slight) Insignificant imp	act.		
KEY	MAF)	0	20 40kr	n Thumr	ayt •
ISLANC REPUBLIC OF HANN Areolen Gulf			• Mudo	(2 Dyy	15) N2	23
UNITED ARAB EMIRATES NINCOOM OF SALDE ARABIA		OUT OF OME	Aybut 45)		Qaftat	
	5	Arabian Sea	Ayo	dam		Salala

Raysut

Mughsayl

Na	me		Jibjat - Barbazum			Region: Dhofar	
Existing Road Condition Objective			Small length as graded road and the rest classified under others types of unpaved roads.				
		Act as detour rou existing of the routraffic safety.					
Segn	nent					Total (km)	
Location		From	Jibjat				
		То	Barbazum				
Lengtl			65			65	
Traffic		l'ear	2005	2010	2020	2030	
Volume	PC	'U/day					
Work	Item		Construction of 2-lane paved roads				
Cost (1,0 Construction	000 RO)	16,497				
Engineering			1,053				
<u> Fotal</u>			17,550	th			
Implementation		т.	1	11 th 5-Year D	evelopment Plan	1	
Implementati Schedule	on	From To	2026 2028				
Schedule		10	(Slight/Moderate)				
Environmental Impact		- Alteration of topo - Passing near "Jab - Increased acciden	el Samhan Na				
KEY MAP					Marmu		



Project Profile					Proje	ct Number: N25	
Na	me		Haylat – Ar Rakah		·	Region: Dhofar	
Existing Road Condition			New road				
Objective				road. The exi	isting of the ro	gion. The road can oad can reduce the	
Segn	nent	I	TI 1			Total (km)	
T 4*		From	Haylat				
Location		То	Ar Rakah				
Lengtl	ı (km)		25			25	
Traffic		Year	2005	2010	2020	2030	
Volume	PC	CU/day					
Work Item		Construct 2-way, 2	-lane secondar	y road.			
Cost (1,000 RO) Construction Engineering Total			1,810 115 1,925				
Implementation	Plan			10 th 5-Year De	velopment Plar	1	
Implementati	ion	From	2021				
Schedule		To	2022				
Environme	ntal Im	pact	(Slight) Insignificant impac	et.			
KEY	MAF	•	0 20	40km	Day	ıkah_	
*		ISLANIC REPUBLIC OF IRAN			Duw		
UNITED ARAS SHERATES UNITED ARAS SHERATES (C) (C) OT		Qafa		Haylat Ar Rak Shisr	N25		
705.03.04 Ares/en See				• Mudayy	Thumray (45)	/t •	

Project Profile					Projec	ct Number: N26
Na	me		Thumrait - Marmul			Region: Dhofar
Existing Roa	d Cond	lition	NR 39, graded road except short length next to Marmual is paved.			
Obje	Objective			d to primary pave		nnect Dhofar with
Segment						Total (km)
		From	Thumrait			
Location		То	Marmul			
Length	ı (km)		86.00			86.00
Traffic		ear	2005	2010	2020	2030
Volume		U/day	200	600	100	700
Work	Work Item			sting graded road ry 2-way, 2-lane h		oad following the
Cost (1,0 Construction Engineering Total	000 RO)	5,112 326 5,438			
Implementation	Plan		5,100	7 th 5-Year Deve	lopment Plan	
Implementati		From	2008			
Schedule		To	2010			
Environme	ntal Im	pact	(Slight) Insignificant impa	act.		
KEY	MAF					Marmul Amal
Aresian Guit		SLAHIC REPUBLIC OF IRAN	31)			Shalim
UNITED ARAB ENGRATES KINGDOM OF SAUDI ARABIA		Out of Omen	Thumrayt	N26 Barbazun	n	
REPARENT OF VENISH	<u>.</u>	A/20/20 See	Salalah	Insham Taqah Mirbat	Sodh	Hasik Hadbin

Project Profile					Proj	ect Number:N27	
Nam	ie		Hatt – Rustaq Road Stage (4)		·	Region: Batinah / A'Dhakhliyah	
Existing Road	Conc	lition	Graded road.				
Objective			Strengthen the co coastal area of Ba Upgrading the exi	atinah Region.		yah Region and the y paved road.	
Segme	ent					Total (km)	
		From	Hatt				
Location		То	Rustaq				
Length	(km)		28.3			28.3	
Traffic		/ear	2005	2010	2020	2030	
Volume		U/day		3,000	6,100	11,000	
Work Item Cost (1,000 RO) Construction		Upgrading the exi	sting graded ro	ad to secondar	y paved road.		
Engineering			236 8,417				
	Total			7th 5 Voor Do	 velopment Plai		
Implementation P Implementatio		Enom	2006	/ 3-1 ear De	Velopinent Piai		
Schedule	11	From To	2009				
Environmental Impact			(Moderate) - Increased traffic - Alteration of top - Deforestation by - Increased accide	ography. excavation an			
KEY MAP			\	Haylayn Al	Howqayn		
*		ISLAMIC REPUBLIC OF IRAN		-1 	Ar Rustag	W.Maawil •	
Arebien Guil Guil of Omen				~1	N27	Awabi	
NITIGODY OF SALEY APASSA Arebien See			0 20	Al Han	Bahla	Nizwa / Izki	
PERUSAL TIPOTEN	-1 • <u> </u>	Arebien See	0 20	40km	Kar	sha	

Project Profile Project Number: N28 Region: Name Yangul – Fida - Dank A'Dhahira Non-classified track road **Existing Road Condition** To connect the two Wilayat centers Yangual and Dank. Provide a detour route in case of closure of NR 09 (Ibri-Dariz) due **Objective** to wadi flood. Strength the road network. Total (km) Segment Yanqul From Location Dank To 41.00 41.00 Length (km) 2030 Traffic Year 2005 2010 2020 Volume PCU/day 300 1,100 1,100 **Work Item** Construct a new 2-lane paved road. Cost (1,000 RO) Construction 9,306 594 **Engineering** 9,900 Total Implementation Plan 7th 5-Year Development Plan **Implementation** From 2009 Schedule 2011 To (Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. - Influence to cultural heritage. **KEY MAP** Al Ghizayn **\●** Yanqul **∂**Dank N28 6 Ibri 20 40km

Project Number: N29 **Project Profile** Region: Name Yanqual - Murry A'Dhahira **Existing Road Condition** Non-classified track road To connect Murry to the center of Wilayat Yangual. Strength the road network. **Objective** Provide a detour route in case of closure of NR 09 (Ibri-Dariz) due to wadi flood. Total (km) **Segment** Yanqual From Location Murry To 26 26 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day **Work Item** Construct secondary 2-lane paved road. Cost (1,000 RO) 6599 Construction **Engineering** 421 Total 7,020 8th 5-Year Development Plan **Implementation Plan Implementation** From 2011 Schedule To 2013 (Slight/Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. **KEY MAP** Al Ghizayn **∫**• Yangul Murr **ò**Dank N29 Ó Ibri 20 40km

Project Profile			Project Number: N30				
Nan	1e		Region				
Existing Road	l Condi	ition	Non-classified track road partly passing UAE territory.				
Objective			Important road fo	r Oman Natior	n integration.		
Segment							Total (km)
		From	Madha				
Location		To	Dafta				
Length	(km)		15.00				15.00
Traffic		ear	2005	2010	2020		2030
Volume		J /day					
Work 1	Item	-	Construct of 2-lar	ne paved highv	vay.	·	
Cost (1,00	00 RO)						
Construction	ĺ		5,002				
Engineering			144				
Total			5,146				
Implementation I				7 th 5-Year Do	evelopment Pla	an	1
Implementatio	n	From	2006				
Schedule		To	2009				
			(Slight/Moderate)				
Environmental In	npact		Alteration of topography.Deforestation by excavation and embankment.				
KEY MAP			0				Bayah
Arealen Guit		AMIC REAUGUE OF IRAN	─		Dafta	,	
KINDDOM OF BAUDI, APABLA			To Dubai		Madh	na /	mat Malahah
REPUBLIC TOPOLOGY	0). Arsbisn Ses 0 200km			05		Shinas

Project Profile Project Number: N31 Region: Name Amal - Muqshin Dhofar Part classified as graded road and part comes under non-classified **Existing Road Condition** track roads. Construction of 2-lane secondary road connecting primary roads NR 31 and NR 39. **Objective** Connect of the coastal area to the inland areas. The road can also act as detour road. The existing of the road can reduce the travel time and increase the traffic safety. Segment Total (km) Amal From Location Muqshin To 180.00 180.00 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 0.00 **Work Item** Construction of 2-lane secondary road Cost (1,000 RO) 13,028 Construction **Engineering** 831 Total 13,860 11th 5-Year Development Plan **Implementation Plan Implementation** From 2026 Schedule To 2030 (Slight) **Environmental Impact** Insignificant impact. **KEY MAP** Bahja **G** Muqshin o UNITED ARAB EMIRATE N31 Dawkah

Marmul

Shalim

Project Profile Project Number: N32 Region: Name Marmul - Dawhak Dhofar Part classified as graded road and part comes under non-classified **Existing Road Condition** track roads. Construction of 2-lane secondary road connecting primary roads NR 31 and NR 39. Connect of the coastal area to the inland areas. **Objective** The road can also act as detour road. The existing of the road can reduce the travel time and increase the traffic safety. **Segment** Total (km) Marmul From Location Dawhak To 140.00 140.00 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 0.00 **Work Item** Construction of 2-lane secondary road Cost (1,000 RO) 10,133 Construction 647 **Engineering** 10,780 **Total Implementation Plan** 11th 5-Year Development Plan From 2026 **Implementation** Schedule To 2030 (Slight) **Environmental Impact** Insignificant impact. (31) **KEY MAP** Muqshin •/ N32 • Amal Marmul Shalim Ash Shuwaymiyah

Barbazum

Thumrayt •

Project Profile				Proje	ect Number: N33
Nan	ne	Tiwi - Ismaiyah			Region: A' Sharqiyah
Existing Road	d Condition	Non-classfied track	k road		
Objec	tive	Construction of roalso act as detour retravel time and inc	oad. The exist	ing of the road	
Segm	ent				Total (km)
Location	From	Tiwi			
	То	Ismaiyah			
Length	` '	60			60
Traffic	Year	2005	2010	2020	2030
Volume	PCU/day	2 1000 000 1000 11		<u> </u>	
Work	Item	2-lane road pass th	irougn mounta	ın terrain.	
Cost (1,0 Construction Engineering Total	00 RO)	15,228 972 16,200			
Implementation 1	Plan	10,200	9 th 5-Year De	velopment Plar	<u> </u>
Implementation		2019			
Schedule	To	2022			
Environmental Impact		(Moderate) - Alteration of topo - Deforestation by - Increased acciden	excavation an		
KEY MAP		Dima & A'Tayin			20 40km
ISJANIC REPUBLIC OF TRAIN A FREE IE OF CUIT		N .		Tiv	vi
UCTES ARAS EVERATES	out of onen		N33		Sur
KINGDOM OF SAUDI ARASKA		lbra •	Wo	di Bani Khalid	0
	Arabian See				23)
PEPUBLIC	0 100 200km		Al k	(amil •	

Project Number: N34 **Project Profile** Region: Name Tawi - Attair - Jibjat Dhofar Track road, non-classified. **Existing Road Condition** Provision of detour route for NR 31 across the mountain range. **Objective** The road is a continuation of Project Road No. N24. Segment Total (km) Tawi From Location Jibjat To Length (km) Traffic Year 2005 2030 2010 2020 Volume PCU/day 600 **Work Item** Paved 2-lane secondary road Cost (1,000 RO) Construction 10,406 **Engineering** 664 Total 11,070 **Implementation Plan** 9th 5-Year Development Plan **Implementation** From 2018 Schedule 2021 To (Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. **KEY MAP** Sibr Jibjat N34 Qaftd **♂**Tawi Attair Tagah Salalah Mirbat Raysut 20 40km

Project Profile		Project Number: N36				
Na	me		Mahlah – Ghubrat	t at Tam - Ismai	yah	Region: A'Sharqiya
Existing Roa	d Conc	lition	Graded road, exte	nsion of paved	NR road 25.	
Objective			the southern side	of mountain ran	ge.	oast and road from m in Dima A Tayin
Segment						Total (km)
Location		From	Mahlah			
Location		To	Ismaiyah			
Length	ı (km)		38.00			45.00
Traffic		l'ear	2005	2010	2020	2030
Volume	PC	U/day	800	1,800	2,700	7,400
Work	Item		Upgrade the exist	ing graded road	to 2-lane pave	d road.
Cost (1,0 Construction Engineering Total)	6,108 175 6,283	d.		
Implementation				7 th 5-Year Dev	elopment Plan	l
Implementati	ion	From	2007			
Schedule		To	2010			
Environmental Impact			(Moderate) - Deforestation by - Influence to cult - Increased accide	ural heritage.		
KEY	MAF)	Dima & A'Tayin	hubrat at Tam	0	20 40km
A/#27## QUIT UNITED ARAB ENCANTES KENGDON OF SAUDI ARABA		SUPPLIENT SEA	N36 Ismaiy	adi Bani Khali		Sur 23

Project Profile					Projec	et Number: N37
Na	me		Qaran – Maqal –	Sabt – NR 23		Region: A'Sharqiya
Existing Roa	d Conc	lition	Graded road.			
Objective			This road togethe crossing the mour This road with roagriculture and to	ntain range. ad project N36	also will promo	
Segn	nent					Total (km)
		From	Qaran			
Location		То	NR 23			
Length	(km)		55.00			55.00
Traffic		ear	2005	2010	2020	2030
Volume		U/day	800	1,800	2,700	7,400
Cost (1,000 RO)			11 220			
Construction			11,238			
Engineering			717			
Total	D1		11,955	1 oth 5 Tr	1	
Implementation		T2	2022	10 ⁴⁴ 5-Year D	evelopment Plan	
Implementati Schedule	on	From	2022 2025			
Schedule		То	(Moderate)			
Environmental l	mpact		Alteration of topDeforestation byInfluence to cult	excavation an	d embankment.	
KEY	MAF	•	Dima & A'Tayin		0	20 40km
A FRO I EN GUIT UNITED ARAB ENDANTES KUNGOOM OF SAUDI ARABIA		SUPPLY OF THE PROPERTY OF THE	Ibra	Wadi Bani Khalid	Qaran Maqal Sayq	N37

Al Qabil

Al Kamil

Project Profile			Project Number: N38				
Nai	me		Al Mazari – Ghubrat at Tam			Region: Muscat/Sharqiya	
Existing Roa	d Cond	lition	There is no road.				
Obje	ctive		Road to cross the road. The existing increase the traffi	g of the road ca		also act as detour vel time and	
Segn	nent					Total (km)	
Location		From	Al Mazari				
Location		To	Ghubrat at Tam				
Length	ı (km)		80.00			80.00	
Traffic	Ŋ	/ear	2005	2010	2020	2030	
Volume	PC	U/day				4,400	
Work	Item		Construct a new	2-lane paved re	oad crossing the	mountain range	
Cost (1,0 Construction Engineering Total	000 RO)	20,304 1,296 21,600				
Implementation				11 th 5-Year D	evelopment Plan	1	
Implementati	ion	From	2026				
Schedule		To	2030				
Environmental Impact			(Moderate) - Alteration of to - Deforestation b - Influence to cul - Relocation of so	y excavation ar tural heritage.	nd embankment.		
KEY MAP			Al Amrat		0 Quriyat	20 40km	
Arabian Guif of Oman			Al Mazara Dima & A'Tayin N38				
KENGDOM OF SALDX APABIA				ubrat \ tam \ (Tiwi	
REPUBLIC STORES	·-	Arabian See	Ibra	Wad	i Bani Khalid	Sur	

Project Profile					Proje	ect Number: N40	
Nai	me		Wadi Saa – Al Deth - Dank Region: A'Dhahi				
Existing Roa	d Con	dition	Non-classified tra	ck road.			
Objective			Provide a detoure to wadi flood. The and increase the tr	e existing of the		09 (Ibri-Dariz) due ce the travel time	
Segment						Total (km)	
_		From	Wadi Saa				
Location		То	Dank				
Length	ı (km)	•	80.00			80.00	
Traffic		Year	2005	2010	2020	2030	
Volume	PC	CU/day				2,100	
Cost (1,000 RO) Construction			20,304 1,296	-lane paved roa	ia.		
Engineering							
Total Implementation	Dlan		21,600	0th 5 Voor Do	velopment Plan		
Implementation Implementati		From	2020	9 3-1 car De			
Schedule	UII	To	2024				
Environmental Impact			(Slight/Moderate) - Alteration of top - Deforestation by	ography.	l embankment.	-	
KEY MAP			Hafit (l Wad	i Saa N40		
Areolen Gulf UNITED ANAS BHIRATES KENGOON OF SHUEL ARASIA		SUMMERSUBJECT STAN		Al Feth	Dank	Yanqul	
PERMANE	\$ -	A/82/80 Se8	0 20	40km		Ibri	

Project Number: N41 **Project Profile** Region: Name As Sunaynah – Al Feth – Al Wqba A'Dhahira Non-classified track road. **Existing Road Condition** Provide a detoure route in case of closure of NR 09 (Ibri-Dariz) due to wadi flood. **Objective** To form road network. Total (km) Segment As Sunaynah From Location Al Wqba To Length (km) 45.00 45.00 Traffic 2030 Year 2005 2010 2020 Volume PCU/day 1,100 1,800 **Work Item** Construct a new 2-lane paved road. Cost (1,000 RO) 6,796 Construction 434 **Engineering** 7,230 Total **Implementation Plan** 10th 5-Year Development Plan 2023 **Implementation** From Schedule 2025 To (Moderate) - Alteration of topography. **Environmental Impact** - Deforestation by excavation and embankment. - Influence to cultural heritage. **KEY MAP** Wadi Saa Hafit / N41 Al Feth Yanqul δ Dank As Sunaynah Ó 40km

Ibri

Project Profile			Project Number: N43				
Na	me		Al Wajajah – Ash	Shwayhah – A		Region: A'Dhahira	
Existing Roa	ıd Conc	lition	Non-classified track road.				
Objective			Connection to NR route, passing thro The project road is	ugh UAE terr	itory.	ry road/international	
Segn	nent					Total (km)	
Location		From	Al Wajajah				
		To	Ash Shwayhah				
Lengtl		-	80.00	•		80.00	
Traffic		Year	2005	2010	2020	2030	
Volume	PC	U/day				200	
Work	Item		Construct a new 2-	-lane paved ro	ad.		
Cost (1,6 Construction Engineering Total	000 RO)	20,304 1,296 21,600				
Implementation	Plan			11 th 5-Year D	evelopment Pla	ın	
Implementati	ion	From	2026				
Schedule		To	2030				
Environmental l	Impact		(Moderate) - Influence to culture - Relocation of son				
KEY MAP			To Dubai	0	20 40	km 📉	
Areolen Quit			UNITED ARAB EMIRATES		(05)		
UNITED ARAB SHERATES HANGOOM OF SHUDI ARABIA		Guil of Ones			N43 NASh Shway Mahdah		
REALES OF THE STATE OF THE STAT	·	Aresien See	To Abu Dhabi	Al Buraim	07	Wajaja	

Project Profile				Proje	ect Number: N44		
Name		Murri – Ar Rumaylah – Al Ayn Region: A'Dhahira					
Existing Road (Condition	Graded/track road					
Objectiv	ve	Provide detour rou Connect the roads The existing of the traffic safety.	under constru	ction to the roa	d network. ne and increase the		
Segmen	nt				Total (km)		
Location	From	Murri			Total (kill)		
Location	То	Al Ayn					
Length (k		30.00			30.00		
Traffic	Year	2005	2010	2020	2030		
Volume	PCU/day	G () 2.1	3,000	6,100	11,100		
Work Ite	em	Construct 2-lane pa	aved road.				
Cost (1,000	RO)						
Construction		7,614					
Engineering		486					
Total		8,100	10th 5 Voor D	evelopment Pla			
Implementation Pla Implementation	From	2022	10 3-1 ear D	evelopment Pia			
Schedule	To	2024					
Environmental Impact		(Moderate) - Alteration of topo - Deforestation by - Influence to cultu	excavation an	d embankment.			
KEY M	KEY MAP		aylayn Al	Howqayn 1	1)		
*	ISLAMIC REPUBLIC OF IRAN		1 (10)	Ar Rustag	W.Maawil •		
Arebien Guit UIITED ANG EVENTES	Guit of Omen		N44		Awabi		
NTHODOM OF SALDE ARABEA	Arabian Sos		Al Ham	Bahla Kars	Nizwa I		
	0 100 200km	0 20	40km				

Project Profile	Proj	ect	Pro	ofil	e
-----------------	------	-----	-----	------	---

Project Number: N45

Project Prome					rrojec	t Number: N45	
Name			Al Ayn – Sint – Al Wadi Al Ala Region: A'Dhahira				
Existing Road Condition		Graded/track road					
Objective			Provide detour route for NR 09 and NR 10. Connect the roads under construction to the road network. The existing of the road can reduce the travel time and increase the traffic safety.				
Segn	ant					Total (km)	
•	iciit	From	Al Ayn			Total (Kill)	
Location		То	Al Wadi Al Ala				
Length			30.00			30.00	
Traffic		<i>Y</i> ear	2005	2010	2020	2030	
Volume	PC	U/day		1,300	2,600	5,800	
Work			Construct 2-lane paved road.				
Cost (1,0	000 RO)					
Construction			7,614				
Engineering			486				
Total			8,100				
Implementation	Plan		10 th 5-Year Development Plan				
Implementati	on	From	2024				
Schedule		To	2026				
Environmental Impact		(Moderate) - Alteration of topography Deforestation by excavation and embankment Influence to cultural heritage.					
KEY MAP SLANIC REJUBLIC OF IBAN			AI / AI	_7	Howqayn Ar Rustaq	W.Maawil ●	
Cult of Omen WHITED ARAB ENERATES ATERIAL ARABIA ATERIAL See			0 20	N45 Al 40km	Hamra Bahla Karsh	wabi Nizwa	

Project Profile					Proje	ct Number: N46	
Name			Bahja - Amal			Region: Al Wusta	
Existing Roa	d Cond	lition	Graded road, NR 3	39.			
Objective			Construction of a secondary national road (NR 39) Existing paved PDO road can be transferred to DGR and redesigned as NR 39.				
Segn	nent					Total (km)	
Location		From	Bahja				
Location	-	To	Ama				
Length	ı (km)		170.00			170.00	
Traffic		Year	2005	2010	2020	2030	
Volume	PC	U/day	100	200	300	500	
Work	Item		Construction of a secondary national 2-lane paved road.				
Cost (1,0	000 RO)					
Construction			12,305				
Engineering			785				
Total			13,090				
Implementation		T	11 th 5-Year Development Plan				
Implementati	ion	From	2026				
Schedule		To	2030				
Environmental l	mpact		(Slight) Insignificant impac	et.			
KEY N	ИАР		Hayma				
			~			\ \ \ \ \	
			Bahja •>)		(/	
1) ISLA	VIC REPUBLIC OF IRAN			Ad Duqm (
**		-	-31	\	(37)	•/ }	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		man				\	
Arabian Gulf	4 .	uit of Omen					
med &	·\\	on or omen	1				
UNITED ARAB ENDRATES	SITT	\$78	(39)	\		\ \	
	X-52		\smile			\-\\	
	~}		NAG	\			
)	Y	1 71/	N46	mo	~~		
KINGDOM OF SAUDI ARABIA			\			Ras Madrakah	
/	/ (MA II		\sim	//		
	47.//X	v		Al Jazer/			
		<u>_</u>	y \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		,		
	HH))			
	<i>BULL</i>		X	([
11/15	,	Arabian Sea	• Amal	y			
REPUBLIC OF YEMEN						0 20 40km	
	0 800	200km	•				
			Shalim \(\delta \)				

Project Profile			Al Hij - Flim			ect Number: N ² Region:	
Name			7 ti iiij 1 iiiii			Al Wusta	
Existing Road Condition		Track road.					
Objective			Promote the activities of Mahawt island. Promote tourism of the area. Investigate of a sensitive environment area.				
Segn	nent					Total (km	
Location		From	Al Hij				
Location		То	Flim				
Lengtl			19.00			18.00	
Traffic		'ear	2005	2010	2020	2030	
Volume	PC	U/day	100	400	500	800	
Work	Item		Construction of a s	econdary natio	nal 2-lane pav	ed road.	
Cost (1,000 RO) Construction Engineering Total		1,717 50 1,767					
Implementation	Plan		7 th 5-Year Development Plan				
Implementati		From	2006				
Schedule		To	2009				
Environmental Impact			(Significant)Influence to marine wildlife and mangrove vegetation.Influence to cultural heritage.Increased waste due to visitors.				
KEY	MAP						
Arapian Guit Guit of Oman				Hijj		An Najdah Shanna	
DUCTED ARAB BURNTES KINCOOM OF SHUDI ARABIA			Mohawt	N47			

Jazirat Masirah

20

40km

Project Number: N48 **Project Profile** Region: Name Qatbit - Al Mushash Dhofar **Existing Road Condition** There is no road. Shortcut for traffic between Dhofar and Saudi Arabia. **Objective** To be used by Haji Pilgrims. Strengthen the fish export from the coast to inner land. Total (km) Segment Qatbit From Location Al Mushash To 152 152 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day **Work Item** Construct 2-lane paved road. Cost (1,000 RO) 6,287 Construction **Engineering** 401 **Total** 6,688 **Implementation Plan** 12 5-Year Development Plan **Implementation** From 2031 Schedule To (Slight) **Environmental Impact** Insignificant impact. Al Mushash SAUDI ARABIA Muqshin **KEY MAP** Muntasr N48 Qatbit Gulf of Omen Dawkah o Marmul Shisr Thumrayt • 🤁 Barbazum

Project Number: N49 **Project Profile** Region: A'Dakhliyah / Name Al Ghaba – Ramlet Khaylah (Saudi Border) A'Dhahira **Existing Road Condition** There is no road. Shortcut for traffic from Hayma/Salalah to Saudi Arabia. To be used by Haji Pilgrims. **Objective** Some of the PDO roads may be used. Total (km) **Segment** Al Ghaba From Location Ramlet To Khaylah 298.00 298.00 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day **Work Item** Construct 2-lane paved road. Cost (1,000 RO) 12,325 Construction **Engineering** 787 **Total** 13,112 **Implementation Plan** 12 5-Year Development Plan **Implementation** From 2031 Schedule To (Slight) **Environmental Impact** Insignificant impact. **KEY MAP** N49

Project Profile			Project Number: N50					
Nai	me		Film – Mahot (Bo	Region: Al Wasta				
Existing Roa	d Cond	lition	There is no Road.					
Objective			Connect of Mahawt island to the mainland. Promote tourist activities on the island. Checking EIA since this project is highly environment sensitive					
Segn	nent					Total (km)		
		From	Film					
Location		То	Mahot					
Length	(km)		6.00			6.00		
Traffic	Ŋ	Year	2005	2010	2020	2030		
Volume	PC	U/day		<u> </u>				
Work	Item		Construct Box Culvert / elevated bridge / Viaduct					
Cost (1,0 Construction Engineering Total	000 RO))	8,460 540 9,000					
Implementation	Plan		12 5-Year Development Plan					
Implementati		From	2031					
Schedule		To						
Environmental I	mpact		(Slight) Insignificant impa	ct.				
KEY	MAF)						
ISJANIC REPUBLIC OF IRAN Area is an Guilf Cult of Omen			Hijj		An Najdah Shanna			
KIIIGOOH OF SAUDI ARASIA		Annia 511	Mdhawt N50					
REPUBLIC YEMEN	<u>.</u>	100 100 to	0	20	40km	azirat Masirah		

Project Number: B1 **Project Profile** Region: Name Sinaw Bypass A'Sharqiyah **Existing Road Condition** Sinwa is located at the Intersection of NR 32 and NR 27. Divert through traffic outside the urbanized area of Sinaw. **Objective** Reduce travel time. Increase traffic safety. Total (km) **Segment** From Location To 6.00 6.00 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 700 1,800 2,300 3,500 Construct 4-lane Bypass parallel to NR 32. **Work Item** Cost (1,000 RO) 869 Construction **Engineering** 55 **Total** 924 **Implementation Plan** 9th 5-Year Development Plan **Implementation** From 2014 Schedule To 2015 (Moderate) Relocation of some houses and farms. **Environmental Impact** Dima & **KEY MAP** A'Tayin ʻlzki Ibra 💿 • Al Mudhaibi Al Qabil Sinaw • **B1** 20 40km

Project Profile					Proje	ect Number: B2	
Na	me		Ibri South Bypass Region: A'Dhakhliya				
Existing Roa	ıd Cond	lition	Ibri is located alor	ng the NR 21.			
Obje	ctive		Divert through traffic of NR 21outside the urbanized area of Reduce travel time. Increase traffic safety.				
Segn	nent					Total (km)	
Location		From					
		То					
Lengtl		_	13.00 km includin			13.00	
Traffic		Year	2005	2010	2020	2030	
Volume	PC	U/day	1,800	3,800	4,600	8,600	
Work	Item		Construct 4-lane F	Bypass parallel to	NR 21.		
Cost (1,000 RO) Construction Engineering Total			1,882 120 2,002				
Implementation	Plan			9 th \5-Year\Deve	elopment\Plar	1	
Implementati	ion	From	2017				
Schedule		To	2019				
Environmental 1	Impact		(Slight/Moderate) Relocation of som		ms.		
KEY	MAF	>		Dank	inqul		
Aresien Guit Gustana Busants							
ACHICIDOM OF STUDI ARABIA ACEDISTA SEE				B2 Ibri		2)	
YEMEN	•	100 200km	0 2	20 40km			

Project Number: B3 **Project Profile** Region: Name Ibra Bypass A'Sharqiyah **Existing Road Condition** Ibra is located along the NR 23 Divert through traffic of NR 23outside the urbanized area of Ibra.. **Objective** Reduce travel time. Increase traffic safety. Total (km) Segment From Location To 11.00 11.00 Length (km) Traffic Year 2005 2010 2020 2030 Volume PCU/day 900 900 900 3,000 **Work Item** Construct 4-lane Bypass parallel to NR 23. Cost (1,000 RO) 2,792 Construction **Engineering** 178 **Total** 2,970 **Implementation Plan** 8th 5-Year Development Plan **Implementation** From 2014 Schedule To 2015 (Slight/Moderate) Relocation of some houses and farms. **Environmental Impact** Dima & **KEY MAP** A'Tayin Gulf of Omen **B3** • Al Mudhaibi Al Qabil Sinaw • 40km 20

Project Profile	Project Number: B5

				Projec		
ne		Ibri East Bypass			Region: A'Dhakhliyah	
d Cond	lition	Ibri is located along the NR 21.				
ctive		Connect NR 21 an Reduce travel time	d NR 09.	utside the urbani	zed area of Ibri	
Segment					Total (km)	
	From					
	10					
(km)		10.00			10.00	
		2005	2010	2020	2030	
PC	U/day	1,800	3,800	4,600	8,600	
Item		Construct 4-lane B	sypass connect	NR 21 and NR	09	
000 RO)	1,448 92				
Dlan						
	From		10 3-1 ear De			
-						
mpact		(Moderate) Relocation of some houses and farms.				
MAF		21	/ /	ranqul	\ \ \ \	
ISLAND REPUBLIC OF HAND Arealen Gulf Gulf of Omen						
A FE O LEAN SEE					B5 (21)	
	d Cond etive nent (km) Y PC Item 000 RO Plan on MAP	d Condition etive nent From To (km) Year PCU/day Item 000 RO) Plan on From To mpact MAP	Divert through trad Connect NR 21 an Reduce travel time Increase traffic safe tent From To (km) Year 2005 PCU/day 1,800 Item Construct 4-lane B 00 RO) 1,448 92 1,540 Plan on From 2023 To 2024 (Moderate) Relocation of some	Divert through traffic of NR 21 or Connect NR 21 and NR 09. Reduce travel time. Increase traffic safety. To To I(km) I(km)	Divert through traffic of NR 21outside the urbani Connect NR 21 and NR 09. Reduce travel time. Increase traffic safety. To (km) 10.00 Year 2005 2010 2020 PCU/day 1,800 3,800 4,600 Item Construct 4-lane Bypass connect NR 21 and NR 00 RO) 1,448 92 1,540 Plan 10th 5-Year Development Plan on From 2023 To 2024 (Moderate) Relocation of some houses and farms.	

Project Number: B6 **Project Profile** Region: Name Salalah Outer Bypass Dhofar **Existing Road Condition** There is no road. Divert through traffic outside urbanized area. **Objective** Reduce travel time. Increase traffic safety. Total (km) Segment From Location To Length (km) 42.00 42.00 Traffic 2005 2030 Year 2010 2020 3,300 Volume PCU/day 1,400 4,600 8,600 Construct 4-lane bypass as semi-circle outside the expected future **Work Item** urbanized area. Cost (1,000 RO) Construction 21,280 1,356 **Engineering** Total 22,638 Implementation Plan 10th 5-Year Development Plan **Implementation** From 2022 Schedule 2026 To (Slight/Moderate) Increase traffic volumes. **Environmental Impact** Thumrayt • **KEY MAP** Barbazum **B6** Insham Qaftat 🗨 Taqah Salalah Raysut Mughsayl 20 40km

Project Profile			Project Number: B7				
Nan	ne		Adam Bypass Region: A'Dhakhliyah				
Existing Road	d Con	dition	Adam is located a	along the NR 31.	NR 27 also pa	asses by	the city.
Objec	tive		Divert the throug Adam. Reduce travel tim Increase traffic sa	ne.	e NR 31 outsid	de the u	rban area of
Segm	ent					Т	otal (km)
8		From					· /
Location		To					
Length	(km)		5.00				5.00
Traffic		Year	2005	2010	2020		2030
Volume		U/day	800	2,100	4,600		9,300
Work Cost (1,0 Construction))	Construct 4-lane future urbanized		, ivic 51 outsic		.pociod
Engineering			46				
Total			770				
Implementation 1			11 th 5-Year Development Plan				
Implementation	on	From	2029				
Schedule		To	2030				
Environmental I	mpact		(Moderate) - Influence to cul - Relocation of so		arms.		
KEY I	MAF		Al Hamra	-	Nizwa /	X	. / ` ,
Arealen Gulf UNITED ARAB EMBATES		SLANIC REPUBLIC OF SKAN		Karsha		Izki	
KINCOOM OF SAUDI ARABIA		A/40.40 \$14		B7 • A	dam (27)	Si	naw •
		100 200km	0 20	40km			

Project Profile I					P	roject N	oject Number: B8		
Nam	e		Al Kamil North Bypass Region: A'Sharqiyah						
Existing Road	Conc	dition	Al Kamil is locat	ed along NR 3	5 and too clo	ose to NR	23.		
Object	ive		Divert through tracks Kamil. Reduce travel time Increase traffic sa	ne.	. 23 outside	the urban	ized area of Al		
Segme	ent						Total (km)		
Location		From							
		То							
Length (9.00			_	9.00		
Traffic		Year	2005	2010	202		2030		
Volume	PC	CU/day	3,900	1,400	1,90	JU	8,200		
Work I			Construct 4-lane future urbanized			outside the	expected		
Cost (1,00	0 RO))	1.220						
Construction			1,230						
Engineering Total			75 1,309						
Implementation P	lan		1,309	9 th 5-Vear d	evelonment	Plan			
Implementation		From	9 th 5-Year development Plan 2019						
Schedule	••	To	2020						
Environmental Im	ıpact		(Moderate) - Increased traffic volume Passing near the National Park Relocation of some houses and farms.						
KEY N	ЛAF)							
JE-HIC REPUBLIC OF IRAN A FEB I EN AND ENCENTES DISTRIBUTION OF THE INC.			Wadi Bani • Al Qabil	Khalid • B8	23	Sur			
NENCOOM OF SAUDI ARASIA Aresian See			Jaalan Bani J	Kamil Bu Hasan Oaalan Bani Bu	Ali				
YEMEN	•	100 200km	0 20	40km		AI	Ashkharah		

Project Profile		Project Number: B9					
Name	e	Al Wafi East Byp	Al Wafi East Bypass Region: A'Sharqiyah				
Existing Road	Condition	d along NR 35 c	lose to NR 23	and too close to Al			
Object	ive	Divert through tra wafi and connect Reduce travel tim Increase traffic sa	NR 23 with R 3 ne.		urbanized area of Al		
Segme	nt		J		Total (km)		
Location	From						
	To						
Length (km)	11.00			11.00		
Traffic	Year	2005	2010	2020	2030		
Volume	PCU/day	3,900	1,400	1,900	8,200		
Work It		Construct 4-lane expected future u			35 outside the		
Cost (1,00	0 RO)						
Construction		1592					
Engineering		102					
Total		1,694	t oth war a	1 71			
Implementation P		2026	10 th 5-Year development Plan				
Implementation							
Schedule	To	2027					
Environmental Im	pact	(Slight) Insignificant impa	act				
KEY M	1AP						
Areolen Guit	ISAHIC REPUBLIC OF II	Wadi Bani	Knalia	23	Sur		
KINGDOM OF SHUDI ARABIA			Kamil Bu Hasan	B9			
RSABAT.	Arabian Sea		aalan Bani Bu A				
	0 100 200km	0 20	40km		Al Ashkharah		

Project Profile				Projec	ct Number: G1
Na	me	Naseem Garden		_	Region: Batinah
Existing Roa	d Condition	4-lane Dual Carr	riageway, R/A int	tersection.	
Obje	ctive		y traffic conflict time and increas		of the project can ety.
Segn	nent				Total (km)
Location	Fro	m			
	To	•			
Length					
Traffic	Year	2005	2010	2020	2030
Volume	PCU/day	27,200	36,800	39,000	64,000
Work	Item	Construct intercl	hange.		
Cost (1,0 Construction Engineering Total	000 RO)	3,406 217 3,623			
Implementation	Plan	3,023	10 th 5-Year De	velopment Plan	
Implementati	on Fro	m 2023			
Schedule	To				
Environmental l	mpact	(Slight) Insignificant imp	pact.		
KEY	MAP			0	20 40km
*	15LAMIC REPUBLIC	OF IZAN	G	L	
Arealen Gulf United Aras emirates	GUIT OF OF	Musannah	Barka	A - C -	. L
KITICOOM OF SHUDT APABILA				As Se	Mutrah Bawshar
ILENERS (YEAR)	Arebien 8		Nakhal Samail	Bidbid	Al Amrat

Project Profile	Projec	ect Number: G2						
Name		Baraka Roundabou	Baraka Roundabout Region: Batinah					
Existing Road	Condition	4-lane Dual Carria	4-lane Dual Carriageway, R/A intersection.					
Objecti	ve	Eliminate of any reduce the travel ti			of the project can			
Segmei	nt				Total (km)			
Location	From							
Location	То							
Length (l								
Traffic	Year	2005	2010	2020	2030			
Volume	PCU/day	27,200	36,800	39,000	64,000			
Work It	em	Construct interchar	nge.					
Cost (1,000	RO)							
Construction	,	3,448						
Engineering		220						
Total		3,668						
Implementation Pl			10 th 5-Year De	velopment Plan				
Implementation		2024						
Schedule	To	2026						
Environmental Im	pact	(Slight) Insignificant impa	ct.					
KEY IV	IAP			0	20 40km			
Arebien Guit	ISLANCE REPUBLIC OF EACH	Musannah	G2 Barka	⇒ As Se	o b			
KJI (COO) OF SILUX APABIA PAPABIA	Aresian See	W.Maawil 13 Awabi	Nakhal	As Se Bidbid	Mutrah Bawshar Al Amrat			

Project Profile			Project Number: G3					
Na	me		Al Muladdah Junction Region: Batinah					
Existing Roa	d Con	lition	4-lane Dual Carriageway, R/A intersection.					
Obje	ctive		Eliminate of any reduce the travel t			of the project can		
Segment						Total (km)		
Location		From						
		To						
Length	1 (km)							
Traffic		Year	2005	2010	2020	2030		
Volume	PC	U/day	27,200	36,800	39,000	64,000		
Work	Item		Construct intercha	nge.				
Cost (1,0	000 RO)						
Construction			3,392					
Engineering			217					
Total	D.		3,609	10th 5 Tr D	1			
Implementation		E	2025	10 th 5-Year De	evelopment Plan	1		
Implementati Schedule	ion	From To	2025 2027					
Schedule		10	(Slight)					
Environmental l	Impact		Insignificant impa	act.				
KEY	MAF)	0 20	40km				
Arazian Guif		ISLANIC REPUBLIC OF IPAN Gulf of Omen	Suwo 01	aiq	Musannah			
MICTED ARAB SHIRATES KINGOOM OF SAUDI ARABIA		Arabian See	A Howgayn Ar Rustag	11) W.N		Barka Bidbid khal		
YEMEN	•	900 200km		Awabi	Sam			
						//		

Project Profile					roject Number: G4		
Name		Khaburah Roundabout Region: Batinah					
Existing Road C	Condition	4-lane Dual Carriageway, R/A intersection.					
Objectiv	e	Eliminate of any reduce the travel ti			of the project can		
Segmen	t				Total (km)		
Location	From						
	To						
Length (k	m)						
Traffic	Year	2005	2010	2020	2030		
Volume	PCU/day	22,800	29,500	30,700	48,300		
Work Ite	m	Construct intercha	nge.				
Cost (1,000	RO)						
Construction		3,583					
Engineering		229					
Total		3,812					
Implementation Pla	n		11 th 5-Year De	velopment Plan	1		
Implementation	From	2027					
Schedule	To	2029					
Environmental Imp	act	(Slight) Insignificant impac	et.				
KEY M	AP	0101	_iwa				
Areolen Gult	ISLAMIC REAUSTIC OF IRAN		Soh	ar			
UICTED ARAB ENDRATES KENCOCH OF SHUCH ARABIA	A182/87 \$86	Al Wajaja	Al Ghiza:		Al Khaburah Suwaiq Shayq		

Project Profile			<u>, </u>		Proje	ect Number: G5		
Name			Shama Roundabout Region: Batinah					
Existing Road Condition Objective			4-lane Dual Carri	ageway, R/A in	tersection			
			Eliminate of any reduce the travel t			of the project can fety.		
Segm	ent					Total (km)		
		From						
Location		То						
Length	(km)							
Traffic		Year	2005	2010	2020	2030		
Volume	PC	U/day	22,800	29,500	30,700	48,300		
Work	Item		Construct intercha	ange.				
Cost (1,0	00 RO)						
Construction		,	3,618					
Engineering			231					
Total			3,849	0				
Implementation			11 th 5-Year Development Plan					
Implementation	on	From	2028					
Schedule		To	2030					
Environmental I	mpact		(Slight) Insignificant imp	act.				
KEY	MAF)	0)0	Liwa				
Arealen Gulf		ISLAMIC REPUBLIC OF IRAN		Sor	G5			
HENCON OF SHUDI ARABA		Arebien See	Al Wajaja	Al Hayl Al Ghiza 40km	yn o	Al Khaburah Suwaiq 01 output		

Project Profile					Proje	ct Number: G6		
Nai	me		Sohar Rounabout			Region: Batinah		
Existing Roa	d Conc	lition	4-lane Dual Carriageway, R/A intersection					
Objec	Objective			traffic conflict		of the project can		
Segment						Total (km)		
		From						
Location		То						
Length	(km)							
Traffic	Ŋ	/ear	2005	2010	2020	2030		
Volume	PC	U/day	18,200	25,500	26,200	39,600		
Work	Item		Construct interch	ange.				
Cost (1,0	000 RO)						
Construction		,	3,911					
Engineering			250					
Total			4,161					
Implementation				11 th 5-Year De	velopment Plar	1		
Implementati	on	From	2028					
Schedule		To	2030					
Environmental I	mpact		(Slight) Insignificant imp	act.				
KEY	MAF)		Liwa	G 6			
Areolen Guit		ISLAMIC REPUBLIC OF IRAN		So	har			
MINEDARA BEGRATES KINEDARO S'AUDI ARABIA RESEAU.		Arabian Saa	Al Wajaja	Al Hayl Al Ghiza 40km	yn o	Al Khaburah Suwaiq 01 shayq		

Project Profile				Proje	ect Number: G7	
Name		Falaj Al Qabail			Region: Batinah	
Existing Road Condition		4-lane Dual Carriageway, R/A intersection				
Objective		Eliminate of any traffic conflict The existing of the project can reduce the travel time and increase the traffic safety.				
Segment	i				Total (km)	
Location	From					
	To					
Length (k	m)					
Traffic	Year	2005	2010	2020	2030	
Volume	PCU/day	18,200	25,500	26,200	39,600	
Work Ite	m	Construct interch	ange.			
Cost (1,000	RO)					
Construction		3,978				
Engineering		254				
Total		4,232				
Implementation Pla	n		11 th 5-Year De	evelopment Pla	n	
Implementation	From	2028				
Schedule	To	2030				
Environmental Impact		(Slight) Insignificant imp	act.			
KEY MAP		010	Liwa G Z			
SLAME REAGALE OF STAN				har		
ULTIED AND BUCKTIES KENCOON OF SUIDI ANGEA	Aredien See	Al Wajaja	Al Hayl Al Ghizo 40km		Al Khaburah Suwaiq 01	

Project Number: G8 **Project Profile** Region: Name Agr Rounabout Batinah **Existing Road Condition** 4-lane Dual Carriageway, R/A intersection Eliminate of any traffic conflict.. The existing of the project can **Objective** reduce the travel time and increase the traffic safety. Total (km) Segment From Location To Length (km) Traffic Year 2005 2010 2020 2030 12,600 19,300 18,000 Volume PCU/day 15,800 **Work Item** Construct interchange. Cost (1,000 RO) Construction 3,100 198 **Engineering** Total 3,298 Implementation Plan 11th 5-Year Development Plan Implementation From 2028 Schedule 2030 To (Slight) **Environmental Impact** Insignificant impact. Khatmat Malahah **KEY MAP** G8 Shinas Gulf of Omen 20 40km **b** Liwa Sohar 🍳 Saham Al Wajaja Al Hayl

Project Profile	Project	Number: P1/12
		Dagiana

Project Profile		Project Number: P1/12				
Name		Pedestrian Crossing 1 Region: Batinah				
Existing Road Condition		4-lane Dual Carriageway				
Objective		Provide at the area characterized with heavy pedestrian volume. Increase traffic safety regarding pedestrian crossing. Eliminate of major traffic conflict with pedestrian. The existing of the project can reduce the travel time and increase the traffic safety.				
Segn	nent		the traffic surety.			Total (km)
Location		From To				
		10				
Length		7	2007	2010	2020	2020
Traffic		Year	2005	2010	2020	2030
Volume	PC	U/day	27,200	36,800	39,000	64,000
Work			Construct pedestrian overpasses at 12 major locations.			
Cost (1,000 RO) Construction Engineering Total		1,297 83 1,380				
Implementation	Plan		7 th 5-Year Development Plan			
Implementati		From	2006			
Schedule		To	2010			
Environmental Impact		(Slight) Insignificant impact.				
KEY MAP		05 Shinos		0	20 40km	
ISJANIC REPUBLIC OF JANN		Liwa	Gul	f of C) man	
DITTED ARAS BRIGATES		Al Wajaja	Saham		destrian derpass	
ISHCOOM OF SHUDI ARABIA Area an See		Al Hoyl Al Ghi.	Mushaya Al Haylayn Al	Suwoiq (Howgoyn 11) Rustaq W.Maa	Borka	
RESQUE YENGN	•	100 200m	libri	- Al Hamr	Awabi	Samail Bidbid

List of Pedestrian Underpasses

3.7	2	
No.	Station	Name
1	35 + 400	Al Billah
2	49 + 200	Al Tarif
3	59 + 600	Al Qart
4	61 + 416	Al Tharmad
5	72 + 900	Bataha Hilal
6	82 + 350	Al Khadra
7	92 + 400	Dhyan
8	100 + 100	Al Bidayah
9	148 + 600	Hilat Al Rawashii
10	150 + 250	Mujaz As Sughra
11	195 + 766	Liwa
12	202 + 900	Liwa 3

Project Profile Project Number: P13/22

1 TOJECT I TOTHE					Troject	Number 1 13/22
Name		Pedestrian Crossing 2			Region: Batinah	
Existing Road Condition		4-lane Dual Carriageway				
Objective		Provide at the area characterized with heavy pedestrian volume. Increase traffic safety regarding pedestrian crossing. Eliminate of major traffic conflict with pedestrian. The existing of the project can reduce the travel time and increase the traffic safety.				
Segn	ient					Total (km)
Location		From				
		То				
Length (km)						
Traffic		Year	2005	2010	2020	2030
Volume	PC	CU/day	27,200	36,800	39,000	64,000
Work Item		Construct pedest	rian overpasses	at 10 major loca	tions.	
Cost (1,000 RO) Construction Engineering Total		1,081 69				
Implementation Plan		1,150 10 ^h 5-Year Development Plan				
Implementation From		2006	10 3-Year De	evelopment Plan		
Implementati Schedule	VII	To	2010			
Schedule		10				
Environmental Impact		(Slight) Insignificant imp	eact.			

List of Pedestrian Underpasses

No.	Station	Name		
13	20 + 400	As Somhan		
14	183 + 316	Falaj Al Qabali		
15	139 + 516	Saham		
16	110 + 016	Sur Al Duwahnah		
17	166 + 968	Al Waqaybah		
18	55 + 150	Al Muladdah		
19	63 + 150	Al Manfash		
20	79 + 200	Sur Al Hilal		
21	81 + 000	Al Uriq		
22	91 + 700	Dhyan-1		