



NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Road Transport and Highways)

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manubar Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)

MONTHLY PROGRESS REPORT 06 FOR THE MONTH OF AUGUST-2019



Client	: NATIONAL HIGHWAYS AUTHORITY OF INDIA.
Concessionaire	: Patel Vadodara - Kim Expressway Private Limited.
Independent Engineer	: Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
EPC Contractor	: Patel infrastructure Limited.

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1.0 EXECUTIVE SUMMARY

The Patel Vadodara - Kim Expressway Private Limited. has been awarded Construction of Eight Lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manubar)Section of Vadodara Mumbai Expressway) in the State of Gujarat Under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA- Package III).

The road passes through plain and rolling terrain. Land use is mostly agricultural with Black Cotton soil. The entire length of the project road falls in the state of Gujarat under Bharuch Districts. The Function of expressway is to cater for movement of heavy volumes of motor traffic at high speeds. They connect major points of traffic generation and are intended to serve trips of medium and long length between large residential areas, industrial or commercial concentrations, and the central business district. They are divided highways with high standards of geometric and full or partial control of access and provided generally with grade separation at intersections. Parking, loading and unloading of goods and passengers and pedestrian traffic are not permitted on these highways.

This report covers the activities for the month of July 2019. The Embankment work of the main carriageway is started and 21.321 Km of work is in progress. The overall Physical progress as on 31st July 2019 is assessed to be approximately 17.97%. The financial progress achieved 31st August 2019 is assessed to be 19.01 %.

The Project involves the Eight Lane new alignment with divided carriageway having total 119 structures which include 1-ROB, 1-Flyover, 1-VOP, 3-MJBs.

The Major National Highways and State Highways intersecting the project corridor are NH-228, SH-161.

1.1 Construction progress in current month

Key reporting metrics	Value/ %/ Amount
Scheduled Physical Progress (%)	21.65%
Cumulative Physical Progress up to current month (%)	17.97 %
Physical Progress during current month (%)	0.755 %
Financial progress (%)	19.01 %
Cumulative Expenditure till date (Rs Cr)	293.63 Cr.
Tests passed as % of total tests witnessed by IE	
Number of pending COS proposals	NIL
Amount for pending COS (Rs Cr)	NIL

1.2 Project Synopsis

National Highways Authority of India plans to undertake the Construction of new alignment 8-lane from Sanpa to Manubar from Km 323.00 to Km 292.00 in the State of Gujarat under NHDP Phase-VI on Hybrid Annuity Mode (Length 31.00 Km.) – Package III.

The project involves new alignment from Km 323.00 to Km 292.00 the 8-lane divided carriageway. It includes the construction of bridges, intersections, Connecting roads, culverts and related infrastructure, and the installation of signaling systems and signboards. The project will be developed under National Highways Development Project (NHDP) Phase-VI on Hybrid Annuity Mode.

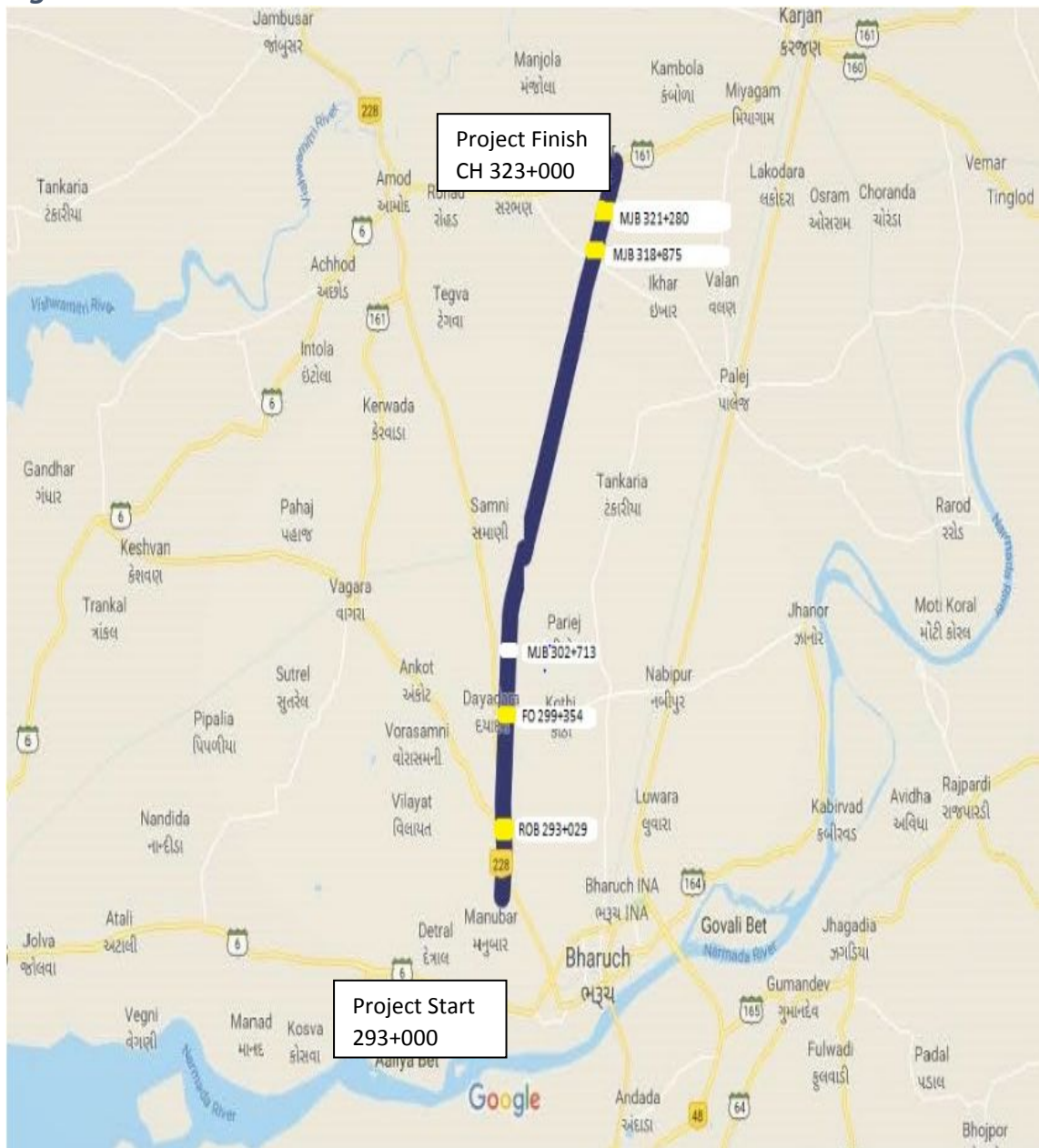
Proposed alignment

Sr.No	Design Chainage		Length	Village	Remark
1	323+000	321+600	1.40	Matar Talpad	
2	321600	318+900	2.70	Suthodara	
3	318+900	317+200	1.70	Danda	
4	317+200	314+300	2.90	Dora	
5	314+300	310+900	3.40	Simartha	
6	310+900	307+750	3.15	Kurchan	
7	307+750	305+550	2.20	Karela	
8	305+550	301+200	4.35	Kelod	
9	301+200	300+500	0.70	Tralsa	
10	300+500	297+550	2.95	Dayadara	
11	297+550	296+050	1.50	Tralsi	
12	296+050	293+850	2.20	Derol	
13	293+850	292+700	1.15	Tham	
14	292+700	292+000	0.70	Manubar	
		Total	31	Km	

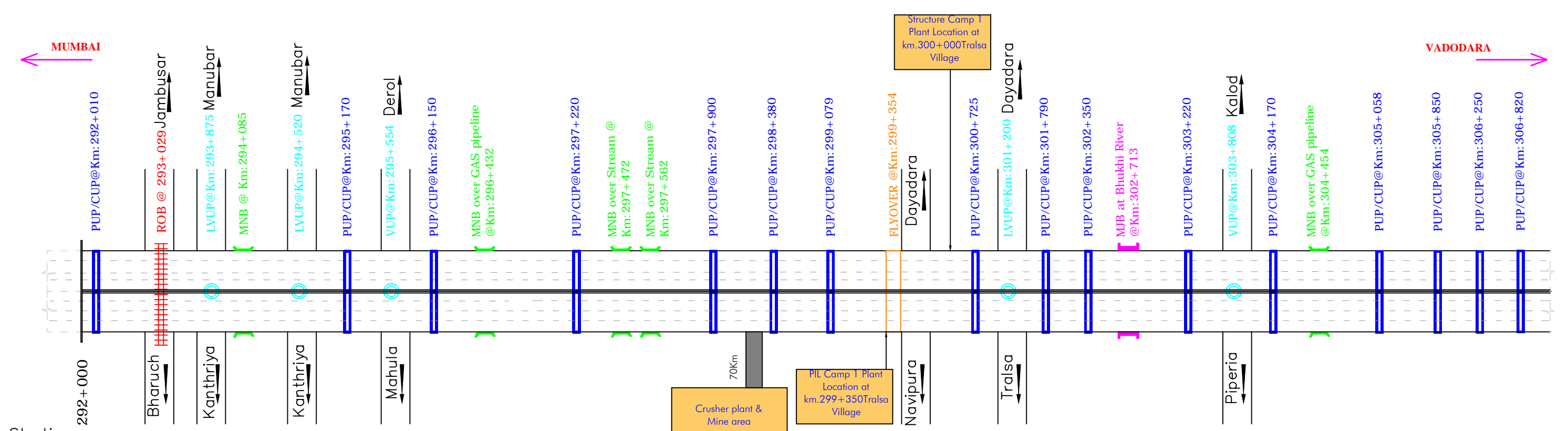
1.3 Strip Plan (Summary)

1. Work front Unavailable & reason for Unavailability			2. Length completed by layer (MCW)			3. Length completed by layer (Service Road)		
	Length (km)	% Total Pending Length		Length (km)	% Total Length		Length (km)	%Total Length
Total Length	31.000	100%	Total Length	31.00	100%	Total Length	-	-
Total Work front Unavailable(A =B+C)	5.515	17.79%	Total Length Completed (Till PQC)	-	-	Total Length Completed (Till DBM)	-	-
Pending Land Acquisition(B)	1.075	3.47%	PQC	-	-	BC	-	-
			DLC	-	-	DBM	-	-
Pending Clearances Encumbrances (Utilities like electrical,water ,tree cutting)(C)	4.440	14.32%	GSB	-	-	WMM	-	-
			Sub-Grade	-	-	GSB	-	-
			Embankment (WIP)	22.40	72.25%	Sub-Grade	-	-
			C&G	23.17	74.74%	C&G	-	-

Figure1 Location MAP

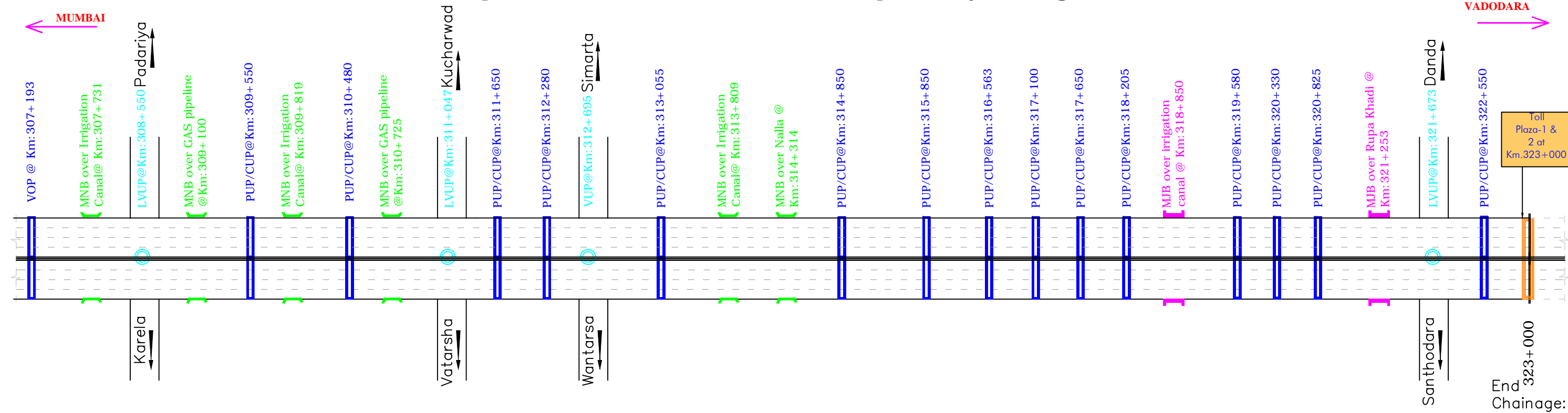


STRIP CHART:- Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III ch-292.000 to Ch-306.850



Starting Chainage:

STRIP CHART:- Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III ch-306.850 to ch-323.000



End Chainage:

LEGENT:

	Major Bridge (MJB)		Under Pass (PUP/CUP)
	Minor Bridge (MNB)		Flyover
	Grade Separated Structure (VUP/LVUP)		Toll Plaza
	Railway Over Bridge (ROB)		Rigid Pavement

Salient Features of Project:

Sl No	Description	Unit	Scope
1.	Total Length of Project	Km	31.000
2.	Length of Connecting Road	Km	1.495
3.	Length of Cross Road at VOP	Km	0.930
4.	Culverts		
i.	Box Culvert for Cross drainage	Nos.	21
ii.	Box Culvert For Interchange	Nos.	04
5.	Minor Bridge (over stream)	Nos.	07
6.	MNB over GAS Pipeline	Nos.	04
7.	Major Bridge	Nos.	03
8.	VOP/PUP/CUP	Nos.	31
9.	ROB	Nos.	01
9.	Flyover	Nos.	01
10.	Major Intersection	Nos.	01
11.	Toll Plaza	Nos.	01

Drawing Title

Strip Plan - Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III CH. -292.000 to CH. -323.000

Date.	Project No.
14-02-2019	

2.0 Project Overview

2.1 Salient Features of Project

Sr. No.	Component	Remarks
1	Project	Construction of Eight lane Vadodara Kim Expressway from Km Km 323.00 to 292.00 (Sanpa to Manuba Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)”
2	Name of the Employer	National Highways Authority of India
3	Name of Concessionaire	Patel Vadodara Kim Expressway Pvt. Ltd.
4	Name of EPC Contractor	Patel Infrastructure Ltd.
5	Independent Engineer	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd
6	Design Consultant	SPECIALIZED ENGINEERING SERVICES PVT. LTD
7	Project Length (In Km)	31.00 Km
8	Date of Concession Agreement	11th May, 2018
9	Appointed Date	08th March 2019
10	Scheduled Date of Completion	07th March 2021
11	Total Project Bid Cost as per CA	1712.00 Cr.
12	Project Cost (60 % of Bid Cost as per article 42)	1027.20 Cr.
13	Construction Period	2 Years (730 days)
14	Maintenance Period	15 Years
15	Total Concession Period	17 Years

2.2 Project Overview

2.2.1 Structures & Other Works

Sr. No.	Feature	Description
1	Major Bridge	03 Nos.
2	Flyover	01 No.
3	ROB	01 No.
4	Minor bridges	11 Nos.
5	Vehicular underpass	03 Nos.
6	Light Vehicular Underpasses	07 Nos.
7	Pedestrian Underpass	30 Nos.
8	Vehicular Overpasses	01 No.
9	Toe Wall/Retaining Wall	1.89 Km
10	RE Wall	26446 Sqm.
11	Culverts (HP/BC)	62 Nos. (35 Nos. Pipe / 27 Nos. Box)
12	Toll Plaza	2 Nos.
13	Truck Parking Facility	02 Nos.
14	Rest Area/Toilet Facility	03 Nos.
15	Helipad	01 No.
16	Emergency Cross Over	06 nos.
17	Noise Barrier	10.5 km
18	Rain Water Harvesting Structures	62 nos.

2.2.2 Highway

Sr. No.	Feature	Description
1	Embankment	29.371 Km
2	Subgrade	29.371 Km
3	G.S.B	29.371 Km
4	D.L.C	29.371 Km
5	P.Q.C	29.371 Km
6	Service Road/Slip Roads	02.430 Km

2.2.3 PROJECT LOCATION

The Project consists of new alignment of 8 lane of Sanpa to Manubar Section of Vadodara Mumbai Expressway. The project road stretch is a part of Vadodara Mumbai Expressway, which covers main cities like Vadodara, Surat, Thane and Mumbai. Major built up areas along the stretch under development are Ankleshwar, Bharuch, Valsad, and Navsari.

2.2.4 PROJECT DESCRIPTION

The road passes through plain and rolling terrain. Land use is mostly agricultural with Black Cotton soil. The entire length of the project road falls in the state of Gujarat under Bharuch Districts. The Function of expressway is to cater for movement of heavy volumes of motor traffic at high speeds. They connect major points of traffic generation and are intended to serve trips of medium and long length between large residential areas, industrial or commercial concentrations, and the central business district. They are divided highways with high standards of geometric and fully control of access and provided generally with grade separation at intersections. Parking, loading and unloading of goods and passengers and pedestrian traffic are not permitted on these highways.

2.3 Project Milestones

Sr. No.	Project Milestone	Period to achieve the Milestone	Required % of Physical & Financial Work Completion to Achieve Milestone	Date of Milestone Achievement as per CA	Financial Progress (INR in Cr.)
1	Milestone - 1	150 Th DAY	20%	05/08/2019	342.4
2	Milestone – 2	330 Th DAY	35%	01/02/2020	599.2
3	Milestone – 3	480 Th DAY	75%	30/06/2020	1284.0
4	Milestone – 4	730 Th DAY	100%	07/03/2021	1712.0

2.4 Critical Issues & Action Log

Sr.No	Issue Description	Type	Ongoing/ New Issue/ Resolved	Concerned Authority	Chainage (s) affected due to the issue	Length affected (km)	Action(s) taken till now	Action(s) suggested by the IE	Expected date/ Actual Date for resolving issue
1	Land Acquisition		Ongoing	Details as per 4.1 LA Summary: Page no 17					
2	Utility Shifting		Ongoing	Details as per 4.3 Status of utility shifting: Page no 18					

3.0 Physical Progress

Component	% Weightage	Physical Progress (During Current Month)	Physical Progress (Cumulative Up to Current Month)
Road Work	66.87 %	0.439%	10.79%
Major Bridge Works	17.16 %	0.280%	6.00%
Structures	1.05 %	-	-
Others	14.91%	0.03%	1.171%
Total Physical Progress		0.755%	17.97%

3.0 A)Progress Details as per Schedule-B- Highway

Main Expressway TCS (Appendix B-I (A))

Sr. No	From	To	Side	Length	TCS Type	Embankment work in Progress
1	292+000	292+600	BHS	600.00	TCS 1	0
2	292+600	292+790	BHS	190.00	TCS 4	0
3	292+790	293+310	BHS	520.00	ROB/Structure	450
4	293+310	293+500	BHS	190.00	TCS 4	140
5	293+500	294+270	BHS	770.00	TCS 1	760
6	294+270	294+520	BHS	250.00	TCS 2	350
7	294+520	299+100	BHS	4580.00	TCS 1	2690
8	299+100	299+350	BHS	250.00	TCS 4/Structure	200
9	299+350	299+750	BHS	400.00	TCS 6/Structure	325
10	299+750	299+770	BHS	20.00	TCS 5	0
11	299+770	306+250	BHS	6480.00	TCS 1	5410
12	306+250	306+380	BHS	130.00	TCS 2	70
13	306+380	308+275	BHS	1895.00	TCS 1	1225
14	308+275	308+550	BHS	275.00	TCS 2	50
15	308+550	311+550	BHS	3000.00	TCS 1	2650
16	311+550	311+750	BHS	200.00	TCS 2	200
17	311+750	314+350	BHS	2600.00	TCS 1	2320
18	314+350	314+510	BHS	160.00	TCS 3	160
19	314+510	318+900	BHS	4390.00	TCS 1	3190
20	318+900	318+980	BHS	80.00	TCS 2	80
21	318+980	322+450	BHS	3470.00	TCS 1	2830
22	322+450	323+000	BHS	550.00	TCS 5	70
	Total			31000		23170
Connecting Road (Appendix B-III (A))						
1	299+350	299+750	LHS	400.00	TCS-6	
2	314+350	314+510	LHS	160.00	TCS 3	
3	294+270	294+520	RHS	250.00	TCS 2	

Sr. No.	From	To	Side	Length	TCS Type	Embankment work in Progress
4	306+250	306+380	RHS	130.00	TCS 2	
5	308+275	308+550	RHS	275.00	TCS 2	
6	311+550	311+750	RHS	200.00	TCS 2	
7	318+900	318+980	RHS	80.00	TCS 2	
Cross Road at VOP Locations (Appendix B-I (C))						
1	000+000	000+075		75.00	TCS 8	
2	000+075	000+825		750.00	TCS 9	
3	000+825	000+930		105.00	TCS 8	

3.0 B) STRUCTURE WORKS: -

Sr. No.	Type of Structure	Total No. of Structures	No. of Structures Tackled	No. of Structures Completed	No. of Structures in Balance	
					In Progress	Balance
1	ROB	1	1	0	1	0
2	Major Bridge	3	3	0	3	0
3	Minor Bridges	11	2	0	2	9
4	Flyover	1	1	0	1	0
5	Vehicular Underpass	3	2	0	2	1
6	Light Vehicular Underpass	7	2	0	2	5
7	Cattle Underpass	30	11	0	11	19
8	Vehicular Overpass	1	0	0	0	1
9	Box Culverts	27	6	3	3	21
10	Pipe Culverts	35	26	16	10	9

All Structure works as per CA- Scope vs Progress

Structure Type	Location	Span Arrangement	Pile Group		Pile Cap/ Raft		Pier. Shaft/ Abutment /Wall		Abt. cap		RCC Girder		PSC Girder		Slab		Crash Barrier		Remark
			Scope	Comp.	Scope	Comp.	Scope	Comp.	Scope	Comp.	Scope	Comp.	Scope	Comp.	Scope	Comp.	Scope	Comp.	
ROB	293+050	2 x(25.525+25+25.525) + 27.9 + (8 to 28.1)varies + 1 x 38+44.0+(6.00 to26.1)+ 3x(25.525 + 25 + 25.525)	42	24.50	42	6	42		42		14		182		34		2097		
MJB	302+732	37.847+38.045+37.847	8	8	8	8	8		8				42		6		455		
MJB	318+875	2x32.2+1x15.85	4	-	4	-	8		8		14		28		6		321		
MJB	321+280	2x37.658	6	6	6	6	6		6				28		4		301	0	
FLYOVER	299+375	16.859+33.201+16.859	8	4.5	8	-	16		8		28		14		6		268		
VUP	295+575	1x12	-	-	1	-	2		-		-				1		24		
VUP	303+830	1x12	-	-	1	-	2		-		-				1		24		
VUP	312+720	1x12	-	-	1	-	2		-		-				1		24		
VOP	307+193	1x2	3	0	3	-	3		3		-		8		2		24		
MNB	294+105	1x12.880	-	-	2	-	4		-		-		-		2		26		
MNB	296+450	1X27.846	-	-	4	-	4		4		14		-		2		111		
MNB	297+500	1x17.688	-	-	4	-	4		-		-		-		2		35		
MNB	297+580	1x37.341	4	4	4	-	4		4		-		14		2		149		
MNB	304+450	1x22.687	-	-	4	-	4		4		14		-		2		91		
MNB	307+754	1x36.54	4	4	4	-	4		4				14		2		146		
MNB	309+090	1x45.200	4	-	4	-	4		4		-		44		2		181		
MNB	309+873	1x23.688	-	-	4	-	4		4		14		-		2		95		
MNB	310+752	1x21.35	-	-	4	-	4		4		-		44		2		85		
MNB	313+835	1x24.347	-	-	4	-	4		4		14		-		2		97		
MNB	314+340	1x19.103	-	-	4	-	4		-				-		2		38		

Status of LVUP & PUP

Sr.No.	Type of Structure	Chainage	Span	Side	Status
1	LVUP	293+895	1x10.5	BHS	Not yet Started
2	LVUP	294+550	1x10.5	BHS	
3	LVUP	301+240	1x10.5	BHS	
4	LVUP	308+550	1x10.5	BHS	
5	LVUP	311+047	1x10.5	BHS	BHS PCC done,LHS Raft Completed, RHS Raft work in progress
6	LVUP	316+563	1x10.5	BHS	Not yet Started
7	LVUP	321+700	1x10.5	BHS	Excavation Done
1	PUP	292+099	1x7.0	BHS	Not yet Started
2	PUP	295+170	1x7.0	BHS	LHS Foundation Done,RHS Foundation Work in progress
3	PUP	296+230	1x7.0	BHS	Not yet Started
4	PUP	297+150	1x7.0	BHS	
5	PUP	297+900	1x7.0	BHS	Foundation Completed, Wall work in progress
6	PUP	298+380	1x7.0	BHS	Slab Completed
7	PUP	299+100	1x7.0	BHS	Not yet Started
8	PUP	300+725	1x7.0	BHS	
9	PUP	301+790	1x7.0	BHS	
10	PUP	302+350	1x7.0	BHS	
11	PUP	303+220	1x7.0	BHS	PCC Done
12	PUP	304+170	1x7.0	BHS	LHS Slab Completed, RHS wall Work in Progress
13	PUP	305+058	1x7.0	BHS	Foundation Completed, Wall work in progress
14	PUP	305+850	1x7.0	BHS	BHS PCC Done , RHS Raft Completed
15	PUP	306+250	1x7.0	BHS	Not yet Started
16	PUP	306+900	1x7.0	BHS	
17	PUP	309+550	1x7.0	BHS	BHS Raft Completed
18	PUP	310+480	1x7.0	BHS	Excavation Done
19	PUP	311+650	1x7.0	BHS	BHS Raft Completed,wall work in progress
20	PUP	312+280	1x7.0	BHS	Excavation Done
21	PUP	313+095	1x7.0	BHS	Not yet Started
22	PUP	314+850	1x7.0	BHS	
23	PUP	315+870	1x7.0	BHS	
24	PUP	317+100	1x7.0	BHS	
25	PUP	317+650	1x7.0	BHS	
26	PUP	318+245	1x7.0	BHS	
27	PUP	319+650	1x7.0	BHS	
28	PUP	320+330	1x7.0	BHS	
29	PUP	320+825	1x7.0	BHS	
30	PUP	322+550	1x7.0	BHS	

Status of Box Culverts					
Type of Culvert	Design Chainage As per CA	No of Vent	Span	Height	Status as on 31.08.2019
BC	292.450	1	2.00	2.0	Work yet to start
BC	294.750	2	4.00	4.0	
BC	295.007	1	2.00	2.00	
BC	295.585	1	2.00	2.00	BHS Excavation Done
BC	296.376	1	3.00	3.00	Work yet to start
BC	299.770	1	3.00	3.00	
BC	300.148	1	3.00	3.00	BHS Wall Work in Progress
BC	301.247	1	2.00	2.00	Work yet to start
BC	303.403	1	3.00	3.00	BHS Slab Completed, Retaining wall works in progress
BC	305.437	1	2.00	2.00	BHS Slab Completed, Retaining wall works in progress
BC	307.709	1	2.00	2.00	Work yet to start
BC	307.789	1	2.00	2.00	
BC	309.030	1	3.00	3.00	
BC	309.840	1	3.00	3.00	
BC	309.892	1	3.00	3.00	
BC	314.148	1	3.00	3.00	BHS Slab Completed, Retaining wall works in progress
BC	315.247	1	5.00	3.00	Work yet to start
BC	316.427	1	2.00	2.00	BHS PCC Done
BC	316.582	1	2.00	2.00	Work yet to start
BC	318.612	1	3.00	3.00	
BC	322.750	1	2.00	2.00	BHS Excavation Done, Ground improvement in Progress
BC	323.087	1	2.00	2.0	Work yet to start
BC	269.883	1	2.00	2.0	
BC	270.373	1	2.00	2.0	
BC	270.731	1	2.00	2.0	
BC	0.250	1	2.00	2.0	
BC	0.650	1	2.00	2.0	

Status of Hume Pipe Culverts		
Type of Culvert	Design Chainage	Status as on 31.08.2019
HPC	293.620	Work yet to start
HPC	294.420	BHS Excavation Done
HPC	295.870	BHS Pipe Laying Done
HPC	296.720	BHS Pipe Laying Done
HPC	298.120	BHS Pipe Laying Done
HPC	298.819	BHS Pipe Laying Done
HPC	300.445	BHS Pipe Laying Done
HPC	300.970	Work yet to start
HPC	301.520	Work yet to start
HPC	302.270	BHS Pipe Laying Done
HPC	302.578	BHS Pipe Laying Done
HPC	303.608	BHS Pipe Laying Done
HPC	304.069	BHS Pipe Laying Done
HPC	304.649	BHS Pipe Laying Done
HPC	307.419	Work yet to start
HPC	307.969	BHS PCC Done
HPC	308.320	BHS PCC Done
HPC	308.794	BHS Pipe Laying Done
HPC	309.368	BHS Pipe Laying Done
HPC	310.119	BHS Pipe Laying Done
HPC	311.329	BHS Pipe Laying Done
HPC	311.969	BHS Pipe Laying Done
HPC	312.679	BHS Pipe Laying Done
HPC	313.369	BHS Pipe Laying Done
HPC	313.812	Work yet to start
HPC	314.669	BHS Pipe Laying Done
HPC	315.719	BHS Excavation Done
HPC	316.069	BHS PCC Done
HPC	316.819	BHS Pipe Laying Done
HPC	317.470	BHS Excavation Done
HPC	319.268	Work yet to start
HPC	319.969	
HPC	320.719	
HPC	322.294	BHS Excavation Done,Ground improvement in Progress
HPC	322.778	BHS Excavation Done,Ground improvement in Progress

3.1 Detailed Scope of Work & Physical Progress by Component

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads / Connecting road)	A- Widening and strengthening of Existing road						
	1) Earthwork up to top of the subgrade						
	2) Granular work (Sub-base, shoulder)						
	GSB						
	3) Shoulders						
	4) Bituminous work						
	5) Rigid Pavement						
	a) DLC						
	b) PQC						
	6) Widening and repair of culverts						
	7) Widening and repair of minor bridges						
	B- New realignment/bypass						
	(1) Earthwork up to top of the sub-grade	KM	29.371	23.61%	0	8.56%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB	KM	29.371	2.82%			
	(3) Shoulders	KM	29.371	0.79%			
	(4) Bituminous work						
	(5) Rigid Pavement						
	(a) DLC	KM	29.371	3.14%			
	(b) PQC	KM	29.371	19.21%			
C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:							
(1) Culverts (Pipe & Box)	No.	62	2.60%	32	0.53%		
(2) Minor bridges							
(a) Foundation	No.	42	2.17%	0	0.32%		
(b) Sub-Structure	No.	44	1.07%				
(c) Super- Structure	No.	22	1.79%				

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(including crash barrier etc. complete)						
	(3) Cattle/Pedestrian underpasses						
	(a) Foundation	No.	30	2.73%	7	0.65%	
	(b) Sub-Structure	No.	60	1.19%	2	0.04%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	30	1.79%	1	0.04%	
	(4) Pedestrian overpasses			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	(5) Grade separated structures						
	(a) Underpasses (VUP & LVUP)						
	(a) Foundation	No.	10	0.71%	0	0.08%	
	(b) Sub-Structure	No.	20	0.43%			
	(c) Super- Structure (including crash barrier etc. complete)	No.	10	0.48%			
	(b) Overpass (VOP)						
	(a) Foundation	No.	3	0.11%			
	(b) Sub-Structure	No.	3	0.01%			
	(c) Super- Structure (including crash barrier etc. complete)	No.	2	0.11%			
	(c) Flyover						
	(a) Foundation	No.	8	1.02%	0	0.57%	
	(b) Sub-Structure	No.	8	0.42%			
	(c) Super- Structure (including crash barrier etc. complete)	No.	6	0.65%			
	(d) Foot Over Bridge			Not in Scope			
Major Bridge works and ROB/RUB	A - Widening and repairs of Major Bridges			Not in Scope			
	(a) Foundation						
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/Well Foundation	No.	0	-			

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	B - Widening and repairs of						
	a) ROB			Not in Scope			
	(a) Foundation						
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/Well Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	b) RUB			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	C- New Major Bridges						
	(a) Foundation	No.			14.00	3.10%	
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/ Well Foundation	No.	22	4.74%			
	(b) Sub-Structure	No.	22	0.54%			
	(c) Super- Structure (including crash barrier etc. complete)	No.	16	1.86%			
	D- New rail-road bridges						
	(a) ROB						
	(a) Foundation	No.	42	6.22%	6	2.91%	
	(b) Sub-Structure	No.	42	0.96%			
	(c) Super- Structure (including crash barrier etc. complete)	No.	40	2.85%			
	(b) RUB			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including	No.	0	-			

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	crash barrier etc. complete)						
Structures (elevated sections, reinforced earth, Interchange)	Interchange			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	(d) Reinforced earth Wall (includes Approaches of ROB, Underpasses, Overpasses, Flyover etc)	Sqm	26446	1.05%			
Other works	(i) Service roads/ Slip Roads / Connecting Road	KM	2.425	0.47%			
	(ii) Toll Plaza	No.	2	0.92%			
	(iii) Road side drains	KM	29.371	1.27%			
	(iv) Road signs, markings, km stones, safety devices,						
Other works	(a) Road signs, markings, km stones, Road Delineators, Reflective Pavement Markers & Solar Studs, Traffic Impact Attenuators, Road Boundary Stone, Kilometer and Hectometer Stones.	KM	31.000	1.05%			
	(b) Concrete Crash Barrier / W- Beam Crash Barrier / Thrie Beam Steel Barriers in road works	KM	29.371	1.07%			
	(v) Project facilities						
	(a) Bus Bays	No.	0	-			
	(b) Truck Lay-byes	No.	2	1.00%			
	(c) Rest areas	No.	3	1.09%			
	(d) Operation & Maintenance Centre	No.	1	0.25%			
	(e) Lighting	KM	31.000	0.74%			
	(f) ATMS	KM	31.000	0.42%			
	(g) Noise Barrier	KM	10.500	0.37%			
(h) Rain Water Harvesting Structure	No.	62	0.07%				

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(i) Fencing	KM	29.371	1.01%			
	(j) Utilities (future ducts)	No.	62	0.22%	22.00	0.077%	
Other works	(vi) Repairs to bridges/structures			Not in Scope			
	(vii) Land Scaping and Tree plantation	KM	29.371	0.26%			
	(viii) Protection works						
	(a) Boulder Pitching/Turfing /other protection measures on slopes	KM	29.371	0.45%			
	(b) Toe/Retaining wall	KM	1.890	2.85%	0.11	0.17%	
	(ix) Tunnel			Not in Scope			
	(a) Excavation	Meter	0	-			
	(b) Construction of support system including Rock bolting, lining etc.	Meter	0	-			
	(c) On Complete completion of Tunnel	Meter	0	-			
	(x) Miscellaneous						
	(a) Overhead Signs	KM	31.000	0.18%			
	(b) Traffic Aid Booth	No.	1	0.016%			
	(c) Medical Aid Booth	No.	1	0.016%			
	(d) Emergency Cross Over	No.	6	0.016%			
	(d) Helipad	No.	1	0.016%			
(d) Others (Wearing Course, Kerb, ROW establishment)	KM	31.000	1.17%	31	0.93%		
	Total			100.00%		17.97%	

3.1.1 : Details breakup of physical progress

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
1	2	3	7	9		
1	Earth Work upto Top of Subgrade					
1.1	Clearing and grubbing of -MCW	Hec	29.37	0.040%	23.17	0.0316%
1.2	Carrying out Jungle Cutting/ removal of debris / dismantling of Concrete Structure / Dismantling of existing road / Removal of any Physical item	M2	29.37	2.159%	23.17	1.7034%
1.3	Earth work in excavation necessary	Cu.m.	29.37	0.012%		0.0000%
1.4	Construction of embankment - MCW Height upto 1 Mtr	Cu.m.	29.37	5.738%	18.06	3.5273%
1.5	Construction of embankment - MCW Height 1 mtr to 2 Mtr	Cu.m.	29.37	4.782%	12.70	2.0676%
1.6	Construction of embankment - MCW Height 2 mtr to 3 Mtr	Cu.m.	29.37	3.825%	8.02	1.0445%
1.7	Construction of embankment - MCW Height 3 mtr to Emb top Bottom	Cu.m.	29.37	2.869%	1.49	0.1451%
1.8	Construction of embankment - MCW Embankment Top	Cu.m.	29.37	1.913%	0.64	0.0417%
1.9	Construction of Sub grade - MCW	Cu.m.	29.37	2.274%		0.0000%
2	Grannular Sub Base Courses and Base Courses					

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
2.1	Constructing Grannular Sub-base	Cu.m.	29.37	2.820%		
3	Shoulders					
3.1	Earthwork in filling of median / island area	Cu.m.	29.37	0.132%		
3.2	Construction of modified Earthen / un paved shoulders	Cu.m.	29.37	0.019%		
3.3	Providing min 200 mm dia NP4 pipes along the road in 2 Rows in shoulder	LM	29.37	0.638%		
4	Rigid Pavement					
4.01	Providing xxx mm thick DLC (M15) for CW	Cum	29.37	3.143%		
4.02	Providing xxx mm thick PQC for CW	Cum	29.37	19.214%		
5	Pipe Culverts					
5.01	Culvert Excavation	Cum	35.00	0.006%	26.00	0.0043%
5.02	Culvert PCC M15 grade	Cum	35.00	0.100%	21.00	0.0599%
5.03	Providing , laying and jointing NP4 (as per IS:458) Hume pipes for	LM	35.00	0.555%	16.00	0.2539%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
	culverts, - Dia 1200 mm (Internal)					
5a	Box Culverts					
5.01a	Culvert Excavation	Cum	27.00	0.020%	6.00	0.0045%
5.02a	Culvert PCC M15 grade	Cum	27.00	0.159%	5.00	0.0294%
5.03a	Foundation RCC M 30 - Culvert	Cum	27.00	0.369%	3.00	0.0410%
5.04a	HYSD bar in Foundation-Culvert	MT	27.00	0.443%	3.00	0.0492%
5.05a	Substructure RCC M 30 - Culvert	Cum	27.00	0.271%	3.00	0.0301%
5.06a	HYSD bar in Substructure-Culvert	MT	27.00	0.247%	3.00	0.0274%
5.07a	Super Structure RCC M 30 - Culvert	Cum	27.00	0.140%	3.00	0.0155%
5.08a	HYSD bar in Super Structure-Culvert	MT	27.00	0.117%	3.00	0.0130%
5.09a	Finishing Work (10% cost of overall work)	Nos.	27.00	0.177%		0.0000%
6A	Bill No: 6A Minor Bridges					
6A,01	Structure excavation Ordinary and soft Soils -	Cum	42.00	0.050%	8.00	0.0096%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
	MNBR					
6A,02	MNBR - PCC M15 grade	Cum	42.00	0.108%	1.00	0.0026%
6A,03	MNBR - RCC M35 - Foundation	Cum	34.00	0.808%	-	0.0000%
6A,04	HYSD bar reinforcement - Foundation	Mt	34.00	0.954%	5.00	0.1403%
6A,05	MNBR - RCC M35 Pile Cap	Cum	8.00	0.082%	-	0.0000%
6A,06	MNBR - RCC M35 1.2m dia piles	Rm	8.00	0.171%	8.00	0.1710%
6A,07	MNBR - RCC M35 - Substructure Abutment	Cum	44.00	0.408%	-	0.0000%
6A,08	HYSD bar reinforcement - substructure Abutment	Mt	44.00	0.411%	-	0.0000%
6A,09	MNBR - RCC M35 - Abutment Cap	Cum	44.00	0.117%	-	0.0000%
6A,10	HYSD bar reinforcement - Abutment cap	Mt	44.00	0.133%	-	0.0000%
6A,11	RCC M35 - RCC Girder	Cum	10.00	0.108%	-	0.0000%
6A,12	PSC M45 - PSC Girder	Cum	8.00	0.219%	-	0.0000%
6A,13	HYSD bar reinforcement - Super structure Girder	Mt	18.00	0.541%	-	0.0000%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6A,14	HT Steel for PSC Girder	Mt	8.00	0.298%	-	0.0000%
6A,15	RCC M35 - SLAB	Cum	22.00	0.254%	-	0.0000%
6A,16	HYSD bar reinforcement - SLAB	Mt	22.00	0.367%	-	0.0000%
6B	Bill No. 6B : PUP					
6B,01	Structure excavation Ordinary and soft Soils - PUP	Cum	30.00	0.023%	11.00	0.0083%
6B,02	PUP - PCC M15 grade Levelling course	Cum	30.00	0.161%	9.50	0.0509%
6B,03	PUP - RCC M35 Raft	Cum	30.00	1.108%	7.00	0.2586%
6B,04	HYSD bar reinforcement - RAFT	Mt	30.00	1.439%	7.00	0.3358%
6B,05	PUP RCC M35 Wall	Cum	60.00	0.618%	2.00	0.0206%
6B,06	HYSD bar reinforcement - Wall	Mt	60.00	0.575%	2.00	0.0192%
6B,07	PUP - RCC M35 - TOP Slab	Cum	30.00	0.616%	1.00	0.0205%
6B,08	HYSD bar reinforcement - TOP Slab	Mt	30.00	0.651%	1.00	0.0217%
6B,09	Finishing Work (10% cost of overall work)	Nos	30.00	0.524%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6C	Bill No. 6C : VUP					
6C,01	Structure excavation Ordinary and soft Soils - VUP	Cum	3.00	0.003%	2.00	0.0018%
6C,02	VUP - PCC M15 grade - Levelling course	Cum	3.00	0.012%	-	
6C,03	VUP - RCC M35 - Raft	Cum	3.00	0.088%	-	
6C,04	HYSD bar reinforcement - Raft	Mt	3.00	0.114%	-	
6C,05	VUP - RCC M35 - WALL	Cum	6.00	0.079%	-	
6C,06	HYSD bar reinforcement - WALL	Mt	6.00	0.073%	-	
6C,07	RCC M35 - TOP SLAB	Cum	3.00	0.088%	-	
6C,08	HYSD bar reinforcement - TOP Slab	Mt	3.00	0.076%	-	
6D	Bill No. 6D : LVUP					
6D,01	Structure excavation Ordinary and soft Soils - LVUP	Cum	7.00	0.005%	2.00	0.0014%
6D,02	LVUP - PCC M15 grade levelling course	Cum	7.00	0.029%	1.50	0.0062%
6D,03	LVUP - RCC M35 Raft	Cum	7.00	0.200%	1.00	0.0286%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6D,04	HYSD bar reinforcement - Raft	Mt	7.00	0.260%	1.00	0.0371%
6D,05	LVUP - RCC M35 - Wall	Cum	14.00	0.142%	-	
6D,06	HYSD bar reinforcement - WALL	Mt	14.00	0.132%	-	
6D,07	LVUP - RCC M35 - Top Slab	Cum	7.00	0.171%	-	
6D,08	HYSD bar reinforcement - TOP Slab	Mt	7.00	0.147%	-	
6E	Bill No. 6E : VOP					
6E,01	Structure Excavation for foundation of VOP	Cum	3.00	0.000%		
6E,02	Foundation PCC M15 grade for levelling course	Cum	3.00	0.001%		
6E,04	HYSD bar reinforcement - Foundation	Mt	3.00	0.049%		
6E,05	RCC M35 Pile Cap	Cum	3.00	0.011%		
6E,06	RCC M35 1.2m dia piles	Rm	3.00	0.045%		
6E,07	RCC M35 - ABUTMENT/Return Wall	Cum	2.00	0.002%		
6E,08	HYSD bar reinforcement - ABUTMENT/Return	Mt	2.00	0.002%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
	Wall					
6E,09	RCC M35 - ABUTMENT CAP	Cum	2.00	0.002%		
6E,10	HYSD bar reinforcement - ABUTMENT CAP	Mt	2.00	0.003%		
6E,11	RCC M35 - PIER	Cum	1.00	0.001%		
6E,12	HYSD bar reinforcement - PIER	Mt	1.00	0.001%		
6E,13	RCC M35 - PIER CAP	Cum	1.00	0.001%		
6E,14	HYSD bar reinforcement -PIER CAP	Mt	1.00	0.002%		
6E,15	HYSD bar reinforcement - Super structure Girder	Mt	2.00	0.046%		
6E,16	HT Steel for PSC - Girder	Mt	2.00	0.031%		
6E,17	PSC M45 - Box Girder/PSC Girder	Cum	2.00	0.023%		
6E,18	M-35 for SLAB super structure	Cum	2.00	0.014%		
6F	Bill No: 6F Flyover					
6F,01	Structure excavation Ordinary and soft Soils - Flyover	Cum	8.00	0.003%	2.00	0.0006%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6F,02	Flyover - PCC M15 grade - levelling course under fdn.	Cum	8.00	0.005%	-	0.0000%
6F,03	HYSD bar reinforcement - Foundation	Mt	8.00	0.531%	3.50	0.2321%
6F,04	RCC M35 Pile Cap	Cum	8.00	0.104%	-	0.0000%
6F,05	RCC M35 1.2m dia piles	Rm	8.00	0.380%	7.00	0.3325%
6F,06	RCC M35 - ABUTMENT	Cum	4.00	0.043%	-	0.0000%
6F,07	HYSD bar reinforcement - ABUTMENT	Mt	4.00	0.053%	-	0.0000%
6F,08	RCC M35 - ABUTMENT CAP	Cum	4.00	0.029%	-	0.0000%
6F,09	HYSD bar reinforcement - Abutment cap	Mt	4.00	0.049%	-	0.0000%
6F,10	RCC M35 - Pier Substructure	Cum	4.00	0.034%	-	0.0000%
6F,11	HYSD bar reinforcement - Pier Substructure	Mt	4.00	0.053%	-	0.0000%
6F,12	RCC M35 - Pier CAP	Cum	4.00	0.059%	-	0.0000%
6F,13	HYSD bar reinforcement - Pier CAP	Mt	4.00	0.101%	-	0.0000%
6F,14	RCC M35 - RCC Girder	Cum	4.00	0.029%	-	0.0000%

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6F,15	PSC M45 - Girder	Cum	2.00	0.048%	-	0.0000%
6F,16	HYSD bar reinforcement - Girder	Mt	6.00	0.133%	-	0.0000%
6F,17	HT Steel for PSC - Girder	Mt	2.00	0.066%	-	0.0000%
6F,18	RCC M35 - SLAB	Cum	6.00	0.077%	-	0.0000%
6F,19	HYSD bar reinforcement - SLAB	Mt	6.00	0.116%	-	0.0000%
6F,20	Finishing Work (10% cost of overall work)	Nos	6.00	0.184%	-	0.0000%
6G	Bill No: 6G Major Bridges					
6G,01	Structure excavation Ordinary and soft Soils - MJB	Cum	22.00	0.012%	14.00	0.0079%
6G,02	Major Bridge PCC M15 grade - Levelling course	Cum	22.00	0.023%	14.00	0.0147%
6G,03	HYSD bar reinforcement - Foundation	Mt	22.00	2.534%	14.00	1.6123%
6G,04	RCC M35 Pile Cap	Cum	22.00	0.646%	14.50	0.4255%
6G,05	RCC M35 1.2m dia piles	Rm	22.00	1.523%	15.00	1.0385%
6G,06	RCC M35 - Abutment substructure	Cum	12.00	0.091%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6G,07	HYSD bar reinforcement - Abutment Substructure	Mt	12.00	0.092%		
6G,08	RCC M35 - ABUTMENT CAP	Cum	12.00	0.030%		
6G,09	HYSD bar reinforcement - ABUTMENT CAP	Mt	12.00	0.034%		
6G,10	RCC M35 - Pier Substructure	Cum	10.00	0.034%		
6G,11	HYSD bar reinforcement - Pier Substructure	Mt	10.00	0.052%		
6G,12	RCC M35 - Pier CAP	Cum	10.00	0.082%		
6G,13	HYSD bar reinforcement - Pier CAP	Mt	10.00	0.126%		
6G,14	PSC M45 - Girder	Cum	16.00	0.239%		
6G,15	HYSD bar reinforcement -Girder	Mt	16.00	0.316%		
6G,16	HT Steel for PSC -Girder	Mt	16.00	0.314%		
6G,17	RCC M35 - SLAB	Cum	16.00	0.163%		
6G,18	HYSD bar reinforcement - SLAB	Mt	16.00	0.245%		
6G,19	Finishing Work (10% cost of overall work)	Nos.	16.00	0.583%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6H	Bill No. 6H : ROB					
6H,01	Structural Excavation in ROB foundation	Cum	42.00	0.016%	11.00	0.0041%
6H,02	ROB - Foundation PCC M15 grade Levelling course	Cum	42.00	0.030%	8.00	0.0057%
6H,03	HYSD bar reinforcement - Foundation	Mt	42.00	3.038%	18.50	1.3382%
6H,04	RCC M35 Pile Cap	Cum	42.00	0.652%	7.00	0.1087%
6H,05	RCC M35 1.2m dia piles	Rm	42.00	2.485%	24.50	1.4493%
6H,06	RCC M35 - ABUTMENT/Return Wall	Cum	4.00	0.017%		
6H,07	HYSD bar reinforcement -ABUTMENT/Return Wall	Mt	4.00	0.021%		
6H,08	RCC M35 - ABUTMENT CAP	Cum	4.00	0.011%		
6H,09	HYSD bar reinforcement - ABUTMENT CAP	Mt	4.00	0.018%		
6H,10	RCC M35 - PIER	Cum	38.00	0.178%		
6H,11	HYSD bar reinforcement - PIER	Mt	38.00	0.276%		
6H,12	RCC M35 - PIER CAP	Cum	38.00	0.163%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
6H,13	HYSD bar reinforcement - Pier CAP	Mt	38.00	0.278%		
6G,14	PSC M45 - Girder	Cum	40.00	0.225%		
6G,15	HYSD bar reinforcement -Girder	Mt	40.00	0.290%		
6G,16	HT Steel for PSC -Girder	Mt	40.00	0.306%		
6H,14	RCC M35 - SLAB	Cum	40.00	0.237%		
6H,15	HYSD bar reinforcement - SLAB	Mt	40.00	0.352%		
6H,16	Providing and Fixing Steel Girder for Superstructure as per Technical Specification	Mt	4.00	0.904%		
6H,17	Finishing Work (10% cost of overall work)	Nos.	40.00	0.531%		
7	Reinforced Earth Wall					
7.01	PCC For RE Wall Foundation	Cum	26,446.00	0.008%		
7.02	Providing RCC Facia Panel / Block	Sqm	26,446.00	0.431%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
7.03	Filter media behind RE walls	Cum	26,446.00	0.101%		
7.04	Construction of embankment with Reinforced Earth	Cum	26,446.00	0.270%		
7.05	RCC crash barrier with friction slab M 40	Rmt	3,952.02	0.243%		
8	Service roads/ Slip Roads					
8.01	Construction of Subgrade	Cum	2.43	0.054%		
8.02	Construction of GSB	Cum	2.43	0.111%		
8.03	Constructing Wet Mix Macadam base	Cu.m.	2.43	0.145%		
8.04	Primer coat - Connecting road	Sqm	2.43	0.009%		
8.05	Tack coat -1 - Connecting road	Sqm	2.43	0.003%		
8.07	Dense Bituminous Macadam course - Connecting road	Cu.m.	2.43	0.045%		
8.08	Bituminous Concrete - Connecting Road	Cu.m.	2.43	0.102%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
9	Bill No.9: Toll Plaza					
9.01	Clearing and grubbing - Toll Plaza	Hec	2.00	0.000%		
9.02	Construction of embankment - Toll Plaza	Cum	2.00	0.096%		
9.03	Construction of Subgrade - Toll Plaza	cum	2.00	0.021%		
9.04	Constructing Grannular Sub-base - Toll Plaza	Cu.m.	2.00	0.025%		
9.05	Providing xxx mm thick DLC (M15) for Toll plaza	cum	2.00	0.036%		
9.06	Providing xxx mm thick PQC for Toll plaza	cum	2.00	0.241%		
9.07	Providing and fixing of Tool booth	Nos.	2.00	0.018%		
9.08	Roof over Toll plaza	Sq.m	2.00	0.046%		
9.09	Operation & Office building at toll plaza	Sq.m	1.00	0.127%		
9.11	Toll plaza sign boards	LS	2.00	0.100%		
9.12	Toll Plaza Facilities	LS	2.00	0.207%		
9	Total Toll Plaza					

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
9.10	Providing operational and maintenance Center	No.	1.00	0.249%		
9.11	Traffic Aid Booth	Sqm	1.00	0.016%		
9.12	Medical Aid Booth	Sqm	1.00	0.016%		
10	DRAINAGE					
10.01	Drain Excavation	Cu.m.	29.37	0.060%		
10.02	Drain Lining	cum	29.37	0.419%		
10.03	RCC M 20 Grade Dain	Cum	29.37	0.247%		
10.04	HYSD bar reinforcement	Mt	29.37	0.108%		
10.05	Construction of chute lined drain in shoulder	L.M.	29.37	0.377%		
10.06	Construction of energy dissipation basin and sumps	Nos.	29.37	0.062%		
11	Bill No. 11: Traffic signs, Road markings and other road appurtunences					
11.01a	Providing Kerb M-20 grade	L.M.	29.37	0.213%		
11.01b	Painting on Kerbs	Sq.m	29.37	0.013%		
11.02a	Supplying & Fixing Sign	KM	31.00	0.556%		

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
	<i>Boards</i>					
11.03a	<i>Pavement marking</i>	<i>Sq.m</i>	<i>31.00</i>	<i>0.268%</i>		
11.05a	<i>Providing lighting including all</i>	<i>Nos</i>	<i>31.00</i>	<i>0.742%</i>		
11.06	<i>Overhead Signs</i>	<i>Nos</i>	<i>31.00</i>	<i>0.18%</i>		
b)	<i>W-Beam Crash Barrier in Road work</i>					
11.06b	<i>Providing and erecting " W " metal beam crash barrier</i>	<i>L.M.</i>	<i>29.37</i>	<i>1.070%</i>		
12	<i>Wayside Amenities/Rest Area</i>					
12.01	<i>Truck Parking service area</i>	<i>LS</i>	<i>2.00</i>	<i>0.996%</i>		
12.02	<i>Smaller Parking service area</i>	<i>LS</i>	<i>3.00</i>	<i>1.091%</i>		
13	<i>Road Side Plantation</i>					
	<i>Land Scaping and Tree plantation</i>	<i>LS</i>	<i>29.37</i>	<i>0.258%</i>		
14	<i>PROTECTION WORKS</i>					
1	<i>Boulder pitchin on slopes</i>					

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
A	Providing and laying stone pitching on embankment slopes	cum	29.37	0.321%		
B	Providing and laying filter media underneath stone pitching	cum	29.37	0.133%		
II	Toe/Retaining wall					
A	Excavation of Retaining Wall + Toe Wall	Cu.m.	1.89	0.028%	0.15	0.00%
B	M-15 PCC Retaining Wall + Toe Wall	Cu.m.	1.89	0.077%	0.15	0.01%
C	M-25 Retaining Wall + Toe Wall	Cum	1.89	1.484%	0.11	0.09%
D	HYSD - Retaining Wall + Toe Wall	MT	1.89	1.265%	0.11	0.07%
15	MISCELLANEOUS WORKS					
III	Fencing Work					
A	Providing Chain Link Fencing in ROW	L.M.	29.37	1.009%	-	-
B	Providing & Placing Noise Barrier	KM	9.30	0.366%		-
15.01	Providing Advanced Traffic Management	Km.	31.00	0.421%		-

Item No,	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2019)	
					Quantity	Percentage Progress
	<i>Systems (ATMS)</i>					
15.02	<i>Providing min 600 mm dia NP4 pipes across the road for utility work</i>	<i>Nos.</i>	<i>62</i>	<i>0.216%</i>	<i>22</i>	<i>0.077%</i>
15.03	<i>Providing Rain Water Harvesting arrangement as shown in drawing with all materials etc., with all lifts and leads complete as directed by the engineer</i>	<i>Nos.</i>	<i>62.00</i>	<i>0.068%</i>		
	<i>Others</i>					
15.04	<i>Wearing courses</i>	<i>Sqm</i>	<i>31.00</i>	<i>0.241%</i>		
15.05	<i>ROW Survey, centerline fixing along with fixing of ROW pillar and obtaining pusation of ROW.....</i>	<i>Km</i>	<i>31.00</i>	<i>0.926%</i>	<i>31.00</i>	<i>0.926%</i>
15.06	<i>Emergency Cross Over</i>	<i>Nos.</i>	<i>6.00</i>	<i>0.016%</i>		
15.07	<i>Helipad</i>	<i>Nos.</i>	<i>1.00</i>	<i>0.016%</i>		
	Total Amount					17.97%

4.0 Land Acquisition and Clearance

4.1 LA Summary: - A)Length Wise:

Land Acquisition Status										
Sr.No	CHAINAGE		LENGTH (KM)	VILLAGE	SURVEY NO	Owner Name	CLEAR LENGTH (KM)	UNCLEAR LENGTH (KM)	Annexure- G	
	FROM	TO							SIDE	REMARKS
1	292+000	293+410	1.410				1.410			
2	293+410	293+510	0.100	Tham	231	Huriben wd/o Vali bagas and others	0.100		LHS	
3	293+510	296+350	2.840				2.840			
4	296+350	296+450	0.100	Derol	519	Maniben Wd/o Gambhirsinh Dadabhai and others		0.100	BHS	
5	296+450	297+380	0.930				0.930			
6	297+380	297+455	0.075	Dayadra	504	Ismailbhai Ahamdbhai Isabhai and others	0.075		LHS	
7	297+455	297+600	0.145				0.145			
8	297+600	297+630	0.030	Dayadra	481	Musabhai Ahmadbhai Mala	0.030		RHS	
9	297+630	297+660	0.030				0.030			
10	297+660	297+705	0.045	Dayadra	462,463,465,466,467,468	Umarajibhai Ahamad Valibhai and others,Salim Yusuf Ibrahimbhai Mahanmadbhai and others	0.045		BHS	
11	297+705	297+805	0.100				0.100			
12	297+805	297+875	0.070	Dayadra	469	Ikbai Ahmad Isa	0.070		RHS	
13	297+875	298+070	0.195				0.195			
14	298+070	298+135	0.065	Dayadra	435	Ahmadbhai Amajibhai Mithabhai	0.065		RHS	
15	298+135	298+520	0.385				0.385			
16	298+520	298+540	0.020	Dayadra	540	Ismail Aadam Vali and others	0.020		RHS	
17	298+540	298+710	0.170				0.170			
18	298+710	298+750	0.040	Dayadra	356	Gulambhai Ahmadbhai Mahanmadbhai and others	0.040		LHS	
19	298+750	298+875	0.125				0.125			
20	298+875	299+000	0.125	Dayadra	547	Aadambhai Musebhai Aamanjibhai		0.125	BHS	
21	299+000	299+360	0.360				0.360			
22	299+360	299+505	0.145	Dayadra	563,565/A	Usmanbhai Sulemanbhai Adambhai and others,Bibiben Wd/o Valibhai Isapbhai and others	0.145		BHS	
23	299+505	299+650	0.145				0.145			
24	299+650	299+680	0.030	Dayadra	567/B	Valibhai Yusufbhai Isabhai and others	0.030		RHS	

Land Acquisition Status

Sr.No	CHAINAGE		LENGTH (KM)	VILLAGE	SURVEY NO	Owner Name	CLEAR LENGTH (KM)	UNCLEAR LENGTH (KM)	Annexure- G	
	FROM	TO							SIDE	REMARKS
25	299+680	299+710	0.030				0.030			
26	299+710	299+820	0.110	Dayadra	569/A, 569/B	Zubedaben Wd/o Mahmadbhai Valibhai and others	0.110		BHS	
27	299+820	300+915	1.095				1.095			
28	300+915	301+000	0.085	Tralsa		Haji Ibrahim Ismail Kothivala and others	0.085		BHS	
29	301+000	301+110	0.110				0.110			
30	301+110	301+150	0.040	Tralsa		Haji Ibrahim Ismail Kothivala and others	0.040		BHS	
31	301+150	301+640	0.490				0.490			
32	301+640	301+850	0.210	Kelod	253/A	Mahmad Musabhai Vali Kalabhai and others		0.210	BHS	
33	301+850	305+000	3.150				3.150			
34	305+000	305+080	0.080	Pipaliya	213	Rashid Musa Ali and others	0.080		RHS	
35	305+080	305+155	0.075				0.075			
36	305+155	305+210	0.055	Pipaliya	215	Rashid Musa Ali and others	0.055		RHS	
37	305+210	306+050	0.840				0.840			
38	306+050	306+155	0.105	Karela	120	Thakorbhai Lalubhai and others	0.105		LHS	
39	306+155	306+480	0.325				0.325			
40	306+480	306+530	0.050	Karela	61	Rameshbhai Falubhai Patel	0.050		LHS	
41	306+530	309+640	3.110				3.110			
42	309+640	309+690	0.050	Kurchan	574	Vali Mahmud Abhram Vali	0.050		LHS	
43	309+690	309+880	0.190				0.190			
44	309+880	310+030	0.150	Kurchan	529/1,524/ 1,523/1,52 2,527	Yusuf Ibrahim Umarji and others, Ismail Ibrahim Vali, Aadam Vali and others		0.150	BHS	
45	310+030	310+040	0.010				0.010			
46	310+040	310+120	0.080	Kurchan	495	Ismail Mahnmud Aku	0.080		RHS	
47	310+120	312+300	2.180				2.180			
48	312+300	312+570	0.270	Simaltha	42	Administrator of Kamnath Mahadev	0.270		BHS	
49	312+570	313+630	1.060				1.060			
50	313+630	313+735	0.105	Simaltha	303	Maheshbhai Vasava		0.105	RHS	
51	313+735	316+780	3.045				3.045			

Land Acquisition Status										Annexure- G	
Sr.No	CHAINAGE		LENGTH (KM)	VILLAGE	SURVEY NO	Owner Name	CLEAR LENGTH (KM)	UNCLEAR LENGTH (KM)	SIDE	REMARKS	
	FROM	TO									
52	316+780	316+875	0.095	Dora	733	Old Govt. Land		0.095	BHS		
53	316+875	317+600	0.725				0.725				
54	317+600	317+710	0.110	Dora	620171	Administrator of Brahmanpanch	0.110		BHS		
55	317+710	319+800	2.090				2.090				
56	319+800	319+890	0.090	Danda	605	Jayantibhai Lallubhai		0.090	BHS		
57	319+890	320+230	0.340				0.340				
58	320+230	320+290	0.060	Telod	385	Administrator of Telod Kabripanth, Ambalal Ganeshbhai.	0.060		RHS		
59	320+290	320+340	0.050				0.050				
60	320+340	320+410	0.070	Telod	393	Administrator of Telod Kabripanth, Ambalal Ganeshbhai.	0.070		RHS		
61	320+410	321+220	0.810				0.810				
62	321+220	321+250	0.030	Suthodra	97	Mohansang Chhatrasang Deputy and others		0.030	RHS		
63	321+250	321+330	0.080				0.080				
64	321+330	321+410	0.080	Suthodra	108	Harisinh Jitsinh	0.080		LHS		
65	321+410	321+520	0.110				0.110				
66	321+520	321+700	0.180	Suthodra	106	Rukshanaben Jashubha Bhaibava and others	0.180		BHS		
67	321+700	321+850	0.150				0.150				
68	321+850	321+905	0.055	Suthodra	118	Rajendrasinh Udesinh		0.055	RHS		
69	321+905	322+130	0.225				0.225				
70	322+130	322+245	0.115	Matar Talpad	468,467	Jaydevprasad Ramanlal, Shree Bhikhabhai Laljibhai		0.115	BHS		
71	322+245	323+000	0.755				0.755				
Length % of Project			31.000				29.925	1.075			
			100%				96.53%	3.47%			

B)Area Wise:

Package - 3 (Sampa to Manubar)(Km 323.000 to Km 292.00)							
Sl. No.	Village Name	Taluka & District	Area in Hec.	Award (Rs. In Cr.)	Disbus Area in Hec.	Disburs (Rs. In Cr.)	Disbus Area in %
1	Matar Talpad	Tal.-Amod Dist.-Bharuch	19.7199	10.02	16.7231	8.43	85%
2	Vanta Matar		1.6709	1.64	0.6865	1.37	41%
3	Sunthodara		13.0293	1.77	13.0293	1.62	100%
4	Telod		3.4501	1.24	2.8330	1.15	82%
5	Danda		29.1681	19.81	28.6605	19.46	98%
6	Dora		38.0178	22.58	37.0607	22.17	97%
7	Simlatha		21.2190	42.05	19.6934	38.39	93%
8	Vantarsa		0.2261	0.04	0.2261	0.04	100%
9	Kurchan		18.1489	3.21	17.0847	3.00	94%
10	Padariya	Tal. & Dist.-Bharuch	5.7697	2.78	5.7697	2.78	100%
11	Karela		42.1435	20.70	40.8154	20.09	97%
12	Pipaliya		12.4403	3.78	12.2705	3.71	99%
13	Kelod		25.5545	24.16	24.4512	23.46	96%
14	Taralsa		16.5034	11.56	15.5425	10.88	94%
15	Dayadara		20.9353	8.48	17.1477	7.64	82%
16	Derol		35.3771	35.89	34.6392	35.12	98%
17	Tham		8.1923	4.22	7.9318	4.00	97%
18	Kanthariya		8.6506	11.01	6.6815	9.97	77%
TOTAL AWARD PKG #3			320.2168	224.94	301.25	213.27	94%

4.2 Clearances Summary: -

Environment				
Proposal Description	Status	Length impacted	Current stage	Issues/Comments
As per Schedule-A (Annex-V) – The Environmental clearance have been obtained				
Forest Land/Tree				
Proposal Description	Status	Length impacted	Current stage	Issues/Comments
Tree cutting permission received on dated 25.03.2019 with letter no. NHAI PIU SURAT (Expressway)/FR-02/2019/1717				

4.3 Status of utility shifting: -

Utility Category	Name/ Department	Status	Length affected	Date & letter of request by Authority for estimate	Date & letter when Estimate was Received from concerned dept.	Date & letter when Estimate was Verified By IE.	Date & letter of Approval by Authority RO/ HQ	Date & letter of Deposit of supervision charge	Progress of Physical Shifting	Date of Certification from Agency for Completion	Estimate Amount	Issue/ Comments
Water	GWSSB	Estimate is under progress	80 M	-	-		-	-	-	-	-	-
	SSNNL	SSNNL asking authority to get into agreement and rent.	730 M									
Electricity	DGVCL	PVKPL submit supervision charges vide Letter #80 on 16.05.2019	2640 M	-	-	#72,73 & 74 on 13.02.2019	-	Supervision Charges Paid for 1) Palej on 24.05.2019 2) Amod on 23.05.2019 3) Bharuch (Rural) Pending-	-	-	-	Issue of Supervision charges of 2.5% (as per NHAI) & 15% as demanded by DGVCL is to be resolved
	GETCO	PIU has written Letter no. 271 Dt.03.08.2019 to ACE, GETCO, Vadodara for compliance & extension of validity of five nos. Estimates and rest 1 under preparation with GETCO	710 M			#342 on 01.05.2019						
Gas Pipe Lines	GAIL		300 M					Supervision Charges Paid by NHAI without GST				
Others	Trees	Charges Paid to DFO	900 M	#PVKEPL/V KE3/NHAI/ 100/2019 on 28.02.2019	#548-51/18-19 on 16.03.2019		-	NHAI/PIU Surat/2019/P-3-5/3195 On 17.05.2019	-	-	-	-

5.0 Change of Scope:-

Sr. No.	Proposal Details	Date of first submission to IE	Current Status	COS Amount	Expected/Actual date of Approval
	NIL	NIL	NIL	NIL	NIL

6.0 Mobilization of Resources.

Sr. No	Equipment	Unit	Tentative Planning	Deployed Machinery Month of Aug-19
1	Excavator	Nos	30	21
2	Motor Grader	Nos	20	12
3	Vibratory Roller	Nos	25	18
4	Wet Mix/ DLC Paver	Nos	1	-
5	Wet Mix Plant	Nos	1	1
6	PQC Paver	Nos	1	1
7	Pneumatic Tyre Roller	Nos	0	-
8	Dumpers/Tippers	Nos	100	51
9	FE Loaders/JCB	Nos	10	7
10	Water Tanker	Nos	30	20
11	Batching Plant CP60	Nos	2	2
12	Batching Plant CP 120	Nos	2	1
13	Transit Mixers	Nos	20	14
14	Concrete Pump	Nos	1	1
15	Kerb Machine	Nos	1	0

7.0 Financial Progress Details

7.1 Pen Picture - Escrow

Total Bid Project Cost (Cr.)	Total Project Cost (Cr.)	Cumulative inflow to Escrow till previous month (Cr)	Cumulative outflow from Escrow till previous month (Cr)	Inflow to Escrow During the month (Cr)	Outflow from Escrow during the month (Cr)
1712.00	1027.2 Cr.	189.46	186.26	2.6	2.98

7.2 Escrow detail

Total Bid Project Cost (Cr.)	Total Project Cost (Cr.)	Escrow Plan till date-Debt (HAM)(Cr)	Escrow Plan till date-Equity (HAM)(Cr)	Escrow Plan till date- VGF (HAM)(Cr)	Escrow Actual till date-Debt (HAM)(Cr)	Escrow Actual till date- Equity (HAM)(Cr)	Escrow Actual till date- YGF (HAM)(Cr)
1712.00	1027.2 Cr.	151.98	102.72	265.36	0	106.09	0

8.0 QA/QC Report.

8.1 Test conducted on site.

Sr. No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted									Remarks
					Up To Previous Month			This Month			Total Upto Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test	
OGI & Cutting soil														
1	Free Swell Index	IS 2720 Part 40	2 test per 3000 m ²	50 % Max	0	0	0	0	0	0	0	0	0	
2	Grain Size Analysis	IS 2720 Part 4	2 test per 3000 m ²	-	0	0	0	0	0	0	0	0	0	
3	Plasticity Index	IS 2720 Part 5	2 test per 3000 m ²	L.L= Not>50 %,PI =Not> 25 %	0	0	0	0	0	0	0	0	0	
4	Max. Dry Density	IS 2720 Part 8	2 test per 3000 m ²	Up to 3m 1.52 gm./cc	0	0	0	0	0	0	0	0	0	
5	CBR	IS 2720 Part 16	1 test as required	Min. 8 % or as per design	0	0	0	0	0	0	0	0	0	
6	Density of Comp.Layer	IS 2720 Part 28	1 set of 10 tests/ 3000 m ²	90-95 % of lab MDD	0	7	7	0	0	0	0	7	7	
7	Moisture Cont.	IS 2720 Part 2	2 test per 3000 m ²	-2% to +1 % OMC	0	0	0	0	0	0	0	0	0	
Borrow Area (Embankment & Subgrade)														
1	Free Swell Index	IS 2720 Part 40	2 test per 3000 m ²	50 % Max	162	0	162	0	0	0	162	0	162	
2	Grain Size Analysis	IS 2720 Part 4	2 test per 3000 m ²	-	162	0	162	0	0	0	162	0	162	
3	Plasticity Index	IS 2720 Part 5	2 test per 3000 m ²	L.L= Not>50 %,PI =Not> 25 %	162	0	162	0	0	0	162	0	162	
4	Max. Dry Density	IS 2720 Part 8	2 test per 3000 m ²	Up to 3m 1.52 gm./cc More than 3m 1.60 gm./cc	162	0	162	1	0	1	163	0	163	
5	CBR	IS 2720 Part 16	1 test per 3000 m ³	Min. 8 % as per design	17	0	17	17	0	17	34	0	34	
Earthwork Field test														
1	Density of Comp.Layer (Emb.)	IS 2720 Part 28	1 set of 10 tests per 3000 m ²	95% of Lab MDD	3	1	4	0	1	1	3	2	5	
2	Density of Comp.Layer (Sub grade & Earthen shoulder)	IS 2720 Part 28	1 set of 10 tests per 2000 m ²	97% of Lab MDD	0	0	0	0	0	0	0	0	0	
GSB														
1	Sieve Analysis		1 Test /400M ²	As per MORT&H Table 400-1		0	0	0	0	0	0	0	0	
2	Plasticity Index	IS 2720 Part 5	1 Test /400M ²	LL=Not>25% PI=Not>6%		0	0	0	0	0	0	0	0	
3	Max. Dry Density	IS 2720 Part 8	1 TEST PER SOURCE			0	0	0	0	0	0	0	0	
4	CBR	IS 2720 Part 16	As Required	30% Min.		0	0	0	0	0	0	0	0	
5	Water Absorption	IS 2386 Part 3	As Required	2% Max.		0	0	0	0	0	0	0	0	
6	AIV	IS 2386 (P-4) & IS 5640	As Required	40% Max		0	0	0	0	0	0	0	0	
7	Density of Comp.Layer	IS 2720 Part 28	1 Test /1000M ²	98% of Lab MDD		0	0	10	0	10	10	0	10	
PHYSICAL PROPERTIES OF AGGREGATE FOR CONCRETE														
1	Sieve Analysis of CA	IS 2386 Part 1	1 Test/Concreting Day	As per IS 383	15	0	15	14	0	14	29	0	29	

Sr. No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted									Remarks		
					Up To Previous Month			This Month			Total Upto Date					
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test			
2	Sieve Analysis of FA	IS 2386 Part 1	1 Test/Concreting Day	As per IS 383	15	0	15	14	0	14	29	0	29			
3	Aggregate Impact Value	IS 2386 Part 4	1 Test/Concreting Day	As per IS 383	15	0	15	14	0	14	29	0	29			
4	Flakiness Index	IS 2386 Part 1	1 Test/Concreting Day	As per IS 383	15	0	15	14	0	14	29	0	29			
5	Silt Content	IS 383	As Required		15	0	15	14	0	14	29	0	29			
6	Specific Gravity & W A	IS 2386 PART 3	1 Test/Month		3	0	3	0	0	0	3	0	3			
Concrete Mix Design (cube sets)																
1	M15 7 Days	IS-516	18 Cubes	As per MoRT&H	0	0	0	0	0	0	0	0	0			
	28 Days				0	0	0	0	0	0	0	0	0	0		
2	M20 Kerb 7 Days				0	0	0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	0	0	
3	M20 7 Days				0	0	0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	0	0	
4	M25 PCC 7 Days				5	0	0	15	0	15	20	0	15			
	28 Days				12	0	0	24	0	24	36	0	24			
5	M30 7 Days				8	0	0	30	0	30	38	0	30			
	28 Days				15	0	0	18	0	18	33	0	18			
6	M35 7 Days				45	0	0	29	0	29	74	0	29			
	28 Days				45	0	0	91	0	91	136	0	91			
7	M35 Pile 7 Days	6	0	0	41	0	41	47	0	41						
	28 Days	21	0	0	55	0	55	76	0	55						
8	M35 RE block 7 Days	0	0	0	0	0	0	0	0	0						
	28 Days	0	0	0	0	0	0	0	0	0						
9	M40 7 Days	2	0	0	21	0	21	23	0	21						
	28 Days	12	0	0	3	0	3	15	0	3						
10	M45 7 Days	0	0	0	0	0	0	0	0	0						
	28 Days	3	0	0	0	0	0	3	0	0						
11	M50 7 Days	0	0	0	0	0	0	0	0	0						
	28 Days	0	0	0	0	0	0	0	0	0						
12	M40 PQC 7 Days				0	0	0	0	0	0	0	0	0			

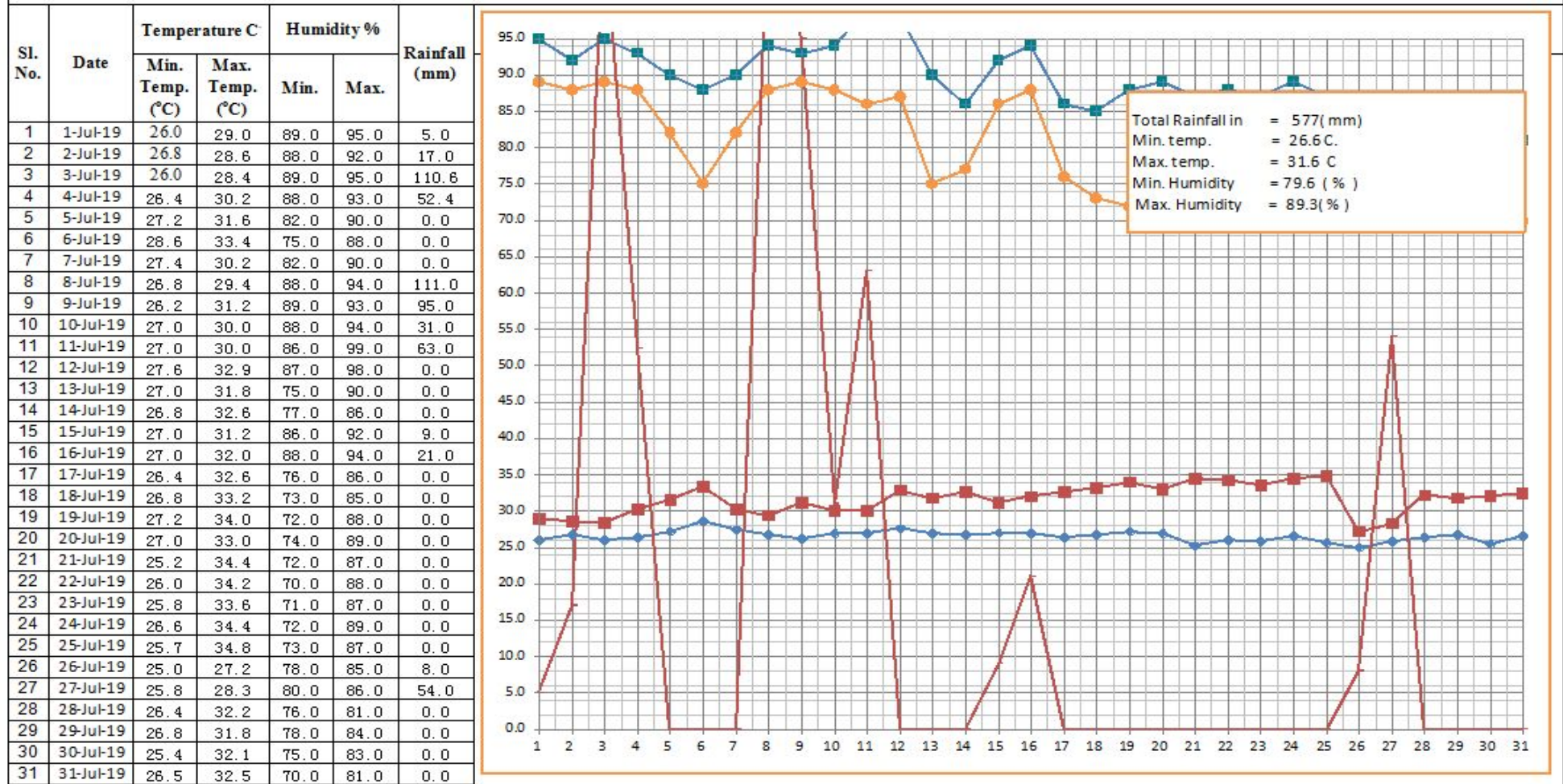
Sr. No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted									Remarks
					Up To Previous Month			This Month			Total Upto Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test	
	28 Days	IS-516	36 cubes & 30 beams	As per MoRT&H	0	0	0	0	0	0	0	0	0	
13	M40 PQC Fl. Strength 7 Days				0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	
14	DLC 7 Days	IS-516	10 cubes	As per MoRT&H	30	0	0	0	12	12	30	12	12	
Field Concrete (cube sets)														
1	M15 7 Days	IS-516	1 test - 0-5 M3 2test - 6-15 m3 3test - 16-30 m3 4 test - 31-50 m3 +1 test for every 50m3 concrete	As per MoRT&H	0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	
2	M20 Kerb 7 Days				0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	
3	M25 PCC 7 Days				16	0	16	1	0	1	17	0	17	
	28 Days				131	0	131	24	0	24	155	0	155	
4	M30 7 Days				33	0	33	0	0	0	33	0	33	
	28 Days				2	0	2	0	0	0	2	0	2	
5	M35 7 Days				8	0	8	2	0	2	10	0	10	
	28 Days				84	0	84	16	0	16	100	0	100	
6	M35 Pile 7 Days	0	0	0	0	0	0	0	0	0				
	28 Days	20	0	20	0	0	0	20	0	20				
7	M35 RE block 7 Days	0	0	0	0	0	0	0	0	0				
	28 Days	0	0	0	0	0	0	0	0	0				
8	M40 7 Days	1	0	1	0	0	0	1	0	1				
	28 Days	1	0	1	0	0	0	1	0	1				
9	M45 7 Days	0	0	0	0	0	0	0	0	0				
	28 Days	0	0	0	0	0	0	0	0	0				
10	M50 7 Days	0	0	0	0	0	0	0	0	0				
	28 Days	0	0	0	0	0	0	0	0	0				
11	M40 PQC 7 Days	IS-516	1 test of 2 cubes & 2beams for 150 m3 or Min. 6 cubes & 6 beams for the day	As per MoRT&H	0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0		
12	M40 PQC F.S 7 Days				0	0	0	0	0	0	0	0	0	
	28 Days	0	0	0	0	0	0	0	0	0				

Sr. No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted									Remarks
					Up To Previous Month			This Month			Total Upto Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test	
13	DLC 7 Days	IS-516	1set of 3cubes for 1000 m2	Asper MoRT&H	0	0	0	0	0	0	0	0	0	
14	DLC FDD	IS 2720 Part 28	1 Test /2000M ²	98% of Ref. Density	0	0	0	0	0	0	0	0	0	
Cement														
1	Fineness	IS 4031	1 Test/Week		3	0	3	8	0	8	11	0	11	
2	Consistency	IS 4031	1 Test/Week		3	0	3	8	0	8	11	0	11	
3	Setting Time	IS 4031	1 Test/Week		3	0	3	8	0	8	11	0	11	
4	Soundness	IS 4031	1 Test/Week		0	0	0	0	0	0	0	0	0	
5	Compressive Strength	IS 4031	1 Test/Week											
	a) 3 Days		01 set = 3 Cube		3	0	3	7	0	7	10	0	10	
	b) 7 Days		01 set = 3 Cube		6	0	6	5	0	5	11	0	11	
	c) 28 Days		01 set = 3 Cube		10	0	10	2	0	2	12	0	12	
DLC														
1	Density of Comp.Layer	IS 2720 Part 28	One set per 2000 m ²	98% of Lab MDD	0	0	0	0	0	0	0	0	0	
2	Compressive Strength	IS 516	3 sample/1000 m ²	As per MoRT&H	0	0	0	0	0	0	0	0	0	
Prestress Grouting														
1	a) 7 Days	1 test of 3 cubes	As per MoRT&H		0	0	0	0	0	0	0	0	0	
	b) 28 Days				0	0	0	0	0	0	0	0	0	

8.2 Weather report

Construction of Eight lane Vadodara Kim Expressway from Km. 292.00 to km. 323.00 (Manubar to Sanpa Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA- Package-III)

WEATHER REPORT (Month of August - 2019)



9.0 Safety Features

9.1 Pen picture of safety features

Location of Black spot	Suggested Remedial Measures with in provisions of Concession Agreement	Additional Remedial Measures (if any)	Financial implications of additional Remedial Measures for Authority
NIL			

9.2 Accident report : NIL

10.0 Review status of drawings/design reports

10.1 Structure drawing status

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
1	Pipe Culvert	35	35	35	-	Submitted via direct mail from Designer to IE dated 15.05.2019 at 2:36 PM	Found in order as per MoM dt. 17.05.2019	Approved
2	Box Culvert	27	21	12	-	21 Nos Submitted via letter no. 050 dated 17.04.2019, also BC at Ch. 315+225 submitted via direct mail from Designer on 26.05.2019, also 12 submitted via letter no. 089 dt. 27.05.2019, 316+420 submitted via letter no. 128 dt 27.06.2019	12 Nos are found in order (less than 20°) in MOM 316+420 approval received via letter no. 632 dt. 16.07.2019	12 Nos Approved
3	Flyover	1	1	-	299+375	Submitted via letter no. 071 dated 09.05.2019	Comments received via letter No. 584 dated 01.07.2019	Pending with concessionaire

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
4	Major Bridge	3		-	302+732	Submitted via letter no. 029 dated 28.03.2019	Comments received via letter No. 383 dated 11.05.2019	Pending with concessionaire
					318+875	Submitted via letter no. 039 dated 10.04.2019	Comments received via letter No. 338 dated 01.05.2019	Pending with concessionaire
					321+280	Submitted via letter no. 030 dated 28.03.2019	Comments received via letter No. 387 dated 11.05.2019	Under review with IE
5	Minor Bridge	11	10	-	294+085	Directly by Designer to Aarvee via mail dt. 25.05.2019	-	Under review with IE
					296+432	Submitted via letter no. 184 dated 06.08.2019	-	Under review with IE
					297+472	Compliance submitted via letter no. VKEPL/VKP3/IE/178/2019 dt. 23.07.2019	-	Under review with IE
					297+562	Submitted via letter no. 185 dated 06.08.2019	-	Under review with IE

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
					304+450	Submitted via letter no. 145 dated 17.08.2019	-	Under review with IE
					307+731	Submitted via letter no. 186 dated 06.08.2019	-	Under review with IE
					309+100	Submitted via letter no. 135 dated 05.04.2019	Comments received via letter No. 355 dated 06.05.2019	Pending with concessionaire
					309+840	Submitted via letter no. 014 dated 21.02.2019, also Directly submitted by Designer to Aarvee via mail dt. 23.05.2019	-	Under review with IE
					310+752	Submitted via letter no. 132 dt. 12.07.2019	-	Under review with IE
					313+835	Submitted via letter no. 145 dated 17.08.2019	-	Under review with IE

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
					314+314	Directly by Designer to Aarvee via mail dt. 25.05.2019 at 6:19 pm and via letter no. PVKEPL/VKE3 /IE/177/2019 dt. 23.07.2019	-	Under review with IE
6	PUP	30	30	21	-	-29 Nos via letter No. 21 dated 22.10.2018 - 1 No via letter No. 37 dated 12.12.2018 -Further 18 Nos revised Submitted Via ltr no. 18 on 28.02.2019, also Directly submitted by Designer to Aarvee via mail dt. 23.05.2019 at 6:41 pm R3- PVKEPL/HO/VKP3/IE/093/2019 dt. 28.05.2019 - Further revised 12 Nos	Comments received via letter no. AA/VKE/PVKEPL/092/19-20/DESIGN REVIEW/357 dated 06.05.2019 and AA/VKE/PVKEPL/092/19-20/DESIGN REVIEW/442 dated 28.05.2019 on Geotech reports 3 Approved vide AA/VKE/PVKEPL/0114/19-20/DESIGN REVIEW/472 Dt. 03.06.2019	9 Nos. Pending with concessionaire

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
						submitted via 049 on 17.04.2019 -Directly by Designer to Aarvee via mail dt. 30.05.2019	18 Approved vide AA/VKE/PVKEPL/0115/19-20/DESIGN REVIEW/473 Dt. 03.06.2019	
7	VUP	3	3	1	295+575	Directly by Designer to Aarvee via mail dt. 24.05.2019 at 6:22 pm	AA/VKE/PVKEPL/0116/19-20/DESIGN REVIEW/474 Dt. 03.06.2019	Approved by IE
					303+830	Submitted via direct mail from Designer to IE dated 30.05.2019 at 8:00 PM	-	Under review with IE
					312+720	Submitted via letter no. 024 dated 22.10.2018	Comments received via letter No. 053 dated 02.02.2019	Pending with concessionaire
8	VOP	1	-	-	307+193	Submitted via PVKEPL/HO/VKP3/IE/129/2019 dt. 09.07.2019	-	Under review with IE

Sr. No	Type of Structure	Total scope (Nos)	Submitted to IE	Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
9	LVUP	7	7	7		Submitted via letter no. 021 dated 22.10.2019, also 4 submitted Directly by Designer to Aarvee via mail dt. 26.05.2019 at 4:55 pm, 311+047 submitted via direct mail from Designer on 28.05.2019 at 8:20 pm -Directly by Designer to Aarvee via mail dt. 30.05.2019 6 submitted via letter no. 127 dt. 25.06.2019	311+047 approved by AA/VKE/PVKEPL/0119/19-20/DESIGN REVIEW/485 Dt. 06.06.2019. comments on 6 LVUP received via letter no. 590 Dt. 04.07.2019	1 approved 6 Nos Found in order vide IE letter no. 590
10	ROB	1	1	-	293+014	Submitted via letter no. 046 dated 26.04.2019	Comments received via IE letter no. 526 dt. 17.06.2019	Pending with concessionaire

10.2 Highway drawing status

Plan and Profile				
Sr No.	Description	Concessionaire Submission Letter No. and Date	IE's comment Letter No. and Date	Remark
1	MCW	# 35 on 08.04.2019	# 476 Dt. 04.06.2019	
2	Connecting road	# 35 on 08.04.2019	# 476 Dt. 04.06.2019	
3	VOP Approaches	# 35 on 08.04.2019	# 476 Dt. 04.06.2019	

Abstract of Pavement Design

Connecting Road / Main Carriageway & Type of Pavement			Pavement Composition	Status	Remark
connecting Roads/ Overpass Cross Roads	Flexible Pavement	New Construction (10 MSA)	40 mm BC + 50 mm DBM +250 mm WMM + 200 mm GSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +250 mm WMM + 200 mm GSB + 500 mm Subgrade with 10% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +100 mm WMM + 150 mm CTSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +100 mm WMM + 150 mm CTSB + 500 mm Subgrade with 10% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			40 mm BC + 100 mm Aggregate Layer (WMM) + 200 mm Cemented Base + 250 mm GSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			40 mm BC + 100 mm Aggregate Layer (WMM) + 200 mm Cemented Base + 250 mm GSB + 500 mm Subgrade with 10 % effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
Main Carriage Way	Rigid Pavement	New Construction	300 mm PQC + 150 mm DLC + 150 mm GSB+ 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019

PLANT & APPROVAL STATUS

CRUSHER:-

300 TPH @ Rajpardi for Aggregates – Functional

Batching Plant:-

1. Batching Plant (60 CUM) @ Tralsa Camp (KM 299+350 R/S) - Functional
2. Batching Plant (112 CUM) @ Tralsa Camp (KM 299+350 R/S) - Functional
3. Batching Plant (60 CUM) @ Dayadra (KM 300+000 L/S) - Functional

10.3 Review status of source approvals

Course Aggregates:-

1. Rajpardi Quarry Approved vide letter no. 85 dated 15th FEB 2019

Fine Aggregates:-

- Bodeli Source Approved vide letter no. 86 dated 16th FEB 2019
Nareshwar Source Approved vide letter no. 86 dated 16th FEB 2019

Cement:-

- M/s Birla Corporation Ltd., Chanderiya, Rajasthan vide 048 dated 02th Feb 2019
M/s Ultra Tech Cement Ltd., Mumbai vide 048 dated 02th Feb 2019
M/s Udaipur Cement works lid. Vide 048 dated 02th Feb 2019
M/s Sanghi Industries Ltd., Kutch District, Gujarat. Vide 048 dated 02th Feb 2019
M/s JK Lakshmi Cement Ltd., Sirohi, Rajasthan vide 048 dated 02th Feb 2019
M/s Gujarat Sidhee cement vide 281 dated 11th March 2019
M/s Hathi Cement vide 289 dated 13th March 2019
M/s Nuvoko Cement vide 546 dated 24th July 2019

Chemical Admixture:-

- M/S BASF India Limited Approved vide letter no. 062 dated 12th Feb 2019
M/S Kunal Conchem Pvt Ltd Approved vide letter no. 062 dated 12th Feb 2019
M/S STO vide letter no. 288 dated 13th April 2019
M/S Salimar Seal and Tar Product vide letter no. 676 dated 29th July 2019
M/S Yahska polymers Private limited vide letter no. 674 dated 29th July 2019
M/S CAC vide letter no. 677 dated 29th July 2019

Reinforcement Steel:-

- M/s Essar Steel Limited, Mumbai
M/s Electrosteel Steel Limited, Kolkatta
Steel Authority of India Limited (SAIL)
Tata Iron and Steel company Limited (TISCO)
Rashtriya Ispat Nigam Limited (RINL)

Jindal Steel & Power Limited (JSPL)

NP4 Hume Pipe:-

M/s Giriraj Hume Pipes Industries, Bodeli Approved vide letter no. 066 dated 12th Feb 2019

Approved Quantity of 1200 Dia NP4 Pipes – 700 Nos.

M/s T&G Approved vide letter no. 547 dated 24th June 2019

Concrete Mix Design:-

1) M-15 PCC, M-20 PCC, M-25 RCC, M-30 RCC, M-35 RCC, M-35 Pile, M-40 RCC
With Ultratech OPC 53 Grade cement, Timba Quarry Aggregates, Bodeli and Nareshwar
Sand and Kunal Con Plast Admixture. Approved vide letter no. 131 dated 25th
Feb 2019.

2) M-15 PCC, M-20 PCC, M-25 RCC, M-30 RCC, M-35 RCC, M-35 Pile, M-40 RCC
With Ultratech OPC 53 Grade cement, Timba Quarry Aggregates, Bodeli and Nareshwar
Sand and BASF Admixture. Approved vide letter no. 132 dated 25th Feb 2019.

Borrow Area:-

Status	Number of Borrow areas	Qty(Cum)
Approved	33	1184217
Compliance Req	21	790275
Compliance Done	1	14700
submitted - Under Review with IE	6	243800
Req. to submit	3	95370
Total		2328362

Independent Laboratory :-

Mukesh A Patel, Ahmedabad Approved vide letter no. 065 dated 12th Feb 2019

Geo Design & Research Pvt Ltd Approved vide letter no. 283 dated 11th April 2019

NCR:-

NCR.01:- Embankment construction is carried out on review stretches without ground improvement. By Letter no. 209 on 22.03.2019 and complied Vide letter 56 on dated 19.04.2019.IE reviewed and commented vide letter mo 451 on dated 30.05.2019. Compliance submitted by concessionaire vide Letter no 148 Dt.20.08.2019.

NCR.02:- Embankment construction is carried out on review stretches without ground improvement. By Letter no. 253 on 08.04.2019 and complied Vide letter 56 on dated 19.04.2019.IE reviewed and commented vide letter mo 466 on dated 31.05.2019.Compliance submitted by concessionaire vide Letter no 148 Dt.20.08.2019

NCR.03:- Construction of Raft is carried out 500mm below the OGL at interface of PUP at Ch. 304+170 on LHS.Rectification Done.

NCR.04:- PCC Construction is carried out at Foundation level over un-compacted earth fill of 900mm thick for the construction of PUP at Km. 305+058 and Km. 309+550. Rectification work in progress.

NCR.05:- Construction of back fill is carried out in a single layer with embankment of 1.5m depth around the HPC at ch.303+408. Rectification work in progress.

PVKEPL**PATTEL®****DETAILS OF CORRESPONDENCE IN JULY- 2019 Between Client & PVKEPL**

Sr. No.	Letter No.	Date	Letter from Client Reg.
1	NHAI/PIU-Bharuch/P-3-Utility/2019/271	03.08.2019	Compliance and Extension of Validity for the utility shifting estimate of GETCO.
2	NHAI/PIU-Bharuch/P-3-Utility/2019/272	03.08.2019	Approval of the utility shifting estimate of DGVCL.
3	NHAI/PIU-Bharuch/P-3-F/2019/280	05.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee - Reg.
4	NHAI/PIU-Bharuch/P-3-Utility/2019/286	07.08.2019	Regarding Approval of the utility shifting estimate of DGVCL
5	NHAI/PIU-Bharuch/P-3-F/2019/291	07.08.2019	Slow Progress notice issued towards the likely delay in achievement of Milestone -I (Schedule -G) of Concession Agreement - Reg.
6	NHAI/PIU-Bharuch/06/2019/298	08.08.2019	Application under Right to Information Act 2005 from Shri Ridhdham Soni
7	NHAI/PIU-Bharuch/P-1-P/P-2-P/P-3-P/MOM/2019/300	08.08.2019	(i) Minutes of Meeting of Progress Review Chaired by CGM (T) & RO, Gandhiangar, held at PIU-Surat on 21.05.2019 (ii) Minutes of Meeting for Monthly Monitoring of ongoing works held at PIU-Surat on 04.06.2019 for Package 1 to 5 for Vadodara Mumbai Expressway
8	NHAI/PIU-Bharuch/P-2-U/2019/305	09.08.2019	Shifting / Height Raising of high tension lines from Proposed VME Corridor - Reg.
9	NHAI/PIU-Bharuch/P-3-F/2019/324	16.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee - Reg.
10	NHAI/PIU-Bharuch/P-3-U/2019/330	16.08.2019	Shifting / Height Raising of high tension lines from Proposed VME Corridor - Reg.
11	NHAI/PIU-Bharuch/P-3-P/2019/338	17.08.2019	Report on Occurrence of "Force Majeure: Non-Political Event" Under Article - 28, Clause 28.5 of Concession Agreemen - Reg."
12	NHAI/PIU-Bharuch/L-06/2019/339	17.08.2019	Compensation of Land Bearing Old Block no. : 99 (New Block No.: 188) Moje: Derol, Tal. & Dist. : Bharuch - Reg.
13	NHAI/PIU-Bharuch/P-3-LA/2019/344	19.08.2019	Land Acquisitionfor Bharuch - Reg.
14	NHAI/PIU - Bharuch/P-3-U/2019/348	20.08.2019	Shifting / Height Raising of high tension lines from Proposed VME Corridor - Reg.
15	NHAI/PIU - Bharuch/P-3-F/2019/351	20.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee - Reg.
16	NHAI/PIU - Bharuch/VME-IE/14/2019/359	21.08.2019	Reimbursement of Consultancy Service Charges paid to Indepedent Engineer for Phase - IA of Package I, II & III for July -2019 (Invoice No. 10) - Reg.
17	NHAI/PIU - Bharuch/P-3-LA/2019/365	22.08.2019	Request for resurvey Work in th Project - Reg.
18	NHAI/PIU-Bharuch/P-1/P-2/P-3/MOM/2019/373	23.08.2019	Review Meeting held at PIU - Bharuch on 20.08.2019 - Reg.
19	NHAI/PIU-Bharuch/P-1/P-2/P-3/43-12 (EPC) / 10-E/2019/383	26.08.2019	Recovery of the GST amount -Reg.

Details of Correspondance in August - 2019 between Aarvee Associates & PVKEPL

Sr. No.	Letter No.	Date	Letter from Aarvee Associates Reg.
1	AA/VKE/PVKEPL/158/19-20/DESIGN REVIEW/688	01.08.2019	Submission of Hydrology reprot of MNB at Km 314+314 and KM 297+472 - Reg.
2	AA/VKE/NHAI/122/19-20/LEAVE/692	01.08.2019	Leave of absence of Team Leader - Reg.
3	AA/VKE/NHAI & PVKEPL/005/19-20/MIR/695	01.08.2019	Programme of Inspection on the Project Highway for the month of July - Reg.
4	AA/VKE/NHAI/124/19-20/LEAVE/697	01.08.2019	Leave of absence of Key Staff in the Project - Reg.
5	AA/VKE/NHAI/IVKEL/123/19-20/CPW/696	02.08.2019	Contract Price Weightage as per Annexure - I of Schedule - G of Concession Agreement
6	AA/VKE/NHAI/PVKEPL/126/19-20/MOBI.ADV/714	08.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee by the Concessionaire - Reg.
7	AA/VKE/NHAI/130/19-20/LEAVE/724	13.08.2019	Leave of absence Key Staff in the Project - Reg.
8	AA/VKE/PVKEPL/159/19-20/MPR/725	13.08.2019	Monthly Progress Report of the Concessionaire - Reg.
9	AA/VKE/NHAI/PVKEPL/134/19-20/MIR/731	14.08.2019	Monthly Inspection Reports - Reg.
10	AA/VKE/PVKEPL/160/19-20/MILESTONE/732	14.08.2019	Delay in the Progress of Works and Non achievement of Mileestone - I and Issuance of Advance Notice for recovery of damages in the event of failure to achieve milestones within time period as per Sub clause 12.3.2 of Concession Agreement - Reg.
11	AA/VKE/NHAI/PVKEPL/135/19-20/USW/733	16.08.2019	Regarding approval of the utility shifting estimate of DGVCL
12	AA/VKE/NHAI/PVKEPL/137/19-20/USW-GETCO/741	17.08.2019	Shifting / Height Raising of high tension lines from Proposed VME Corridor - Reg.
13	AA/VKE/NHAI/PVKEPL/140/19-20/USW-GETCO/750	20.08.2019	Shifting / Height Raising of high tension lines from Proposed VME Corridor - Reg.
14	AA/VKE/VKE/PVKEPL/161/19-20/Q & M/751	20.08.2019	Submission of Granular Sub Base grading - reg.
15	AA/VKE/PVKEPL/162/19-20/Q & M/752	20.08.2019	Submission of top 500 mm Embankment / Subgrade Construction trial stretch repor of Copper Slag Mixed Soil - reg.
16	AA/VKE/PVKEPL/162/19-20/Q & M/753	20.08.2019	Submission of Mix Design for concreting with Cement of Ultratechm Sidhee and admixture of Kunal - Reg.
17	AA/VKE/PVKEPL/164/19-20/Q & M/754	20.08.2019	Approval of Earth Source to be obtained from Borrow Area for use in Embankment - reg. (Borrow Area No. 1C, 5A, 20A, 25B, 31A, 36)
18	AA/VKE/NHAI/142/19-20/LEAVE/757	21.08.2019	Leave of absence Key and Sub Key staff in the Project - Reg.
19	AA/VKE/PVKEPL/165/19-20/DESIGN REVIEW/759	21.08.2019	Compliance of Observations made on Modification in Span arrangement and / or Structure Type - Reg.
20	AA/VKE/NHAI/144/19-20/SSNNL/764	22.08.2019	1. Approval of the Nigam for Crossing of 19 no. of Narmada Canal under Block No. 9A3 and 9C1 2. Approval of proposed structure for 13 Canal crossing falling under Narmda project canal Dvision No. 5, Karjan between Ch. 315+230 to Ch. 333+650 of Vadodara Mumbai Expressway

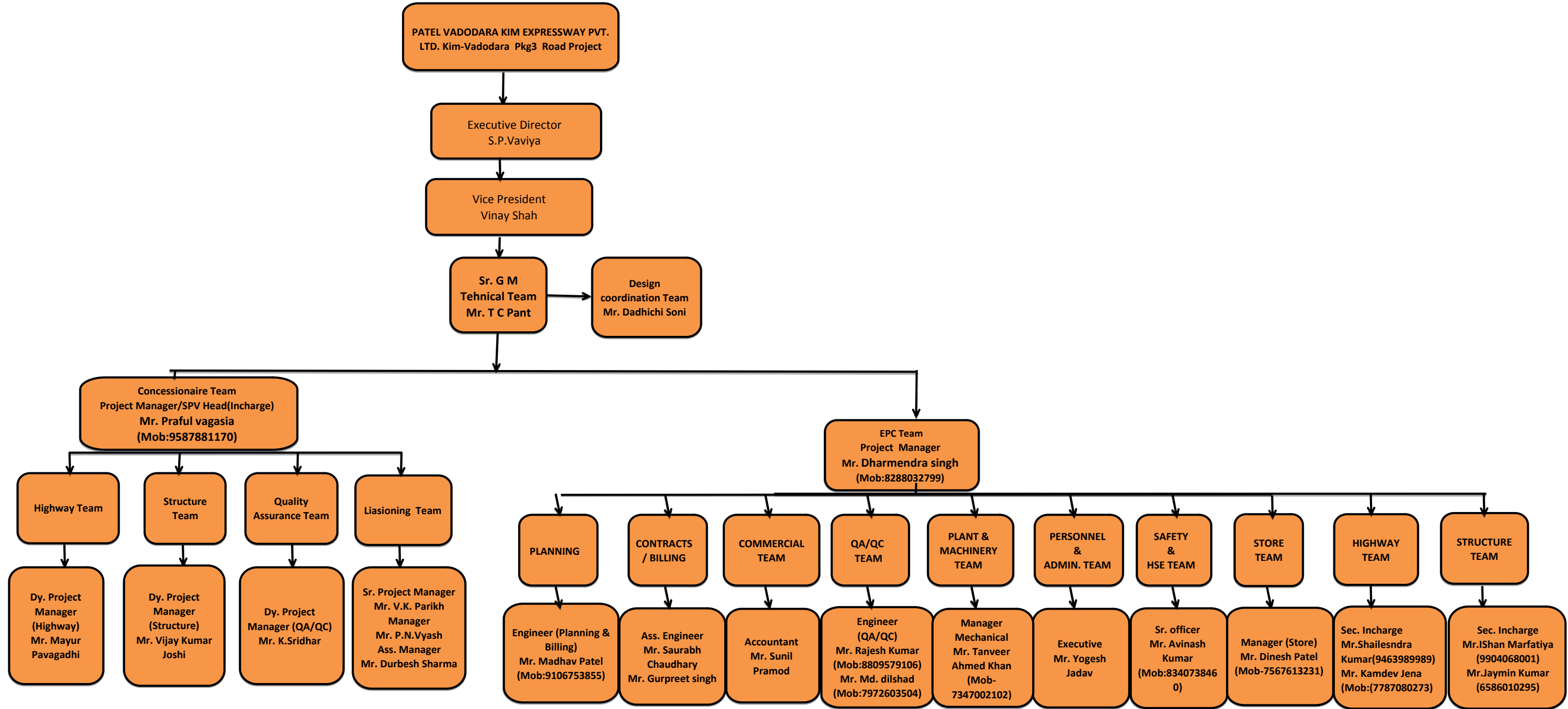
DETAILS OF CORRESPONDENCE BY PVKEPL

Sr. No.	Letter No.	Date	Letter from PVKEPL Reg.
1	PVKEPL/HO/VKP3/PIU/139/2019	03.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee
2	PVKEPL/VKE3/IE/184/2019	06.08.2019	Regarding Submission of detailed Design & Drawing of MNB at Ch. 296+432
3	PVKEPL/VKP3/IE/185/2019	06.08.2019	Regarding Submission of detailed Design & Drawing for MNB at Ch. 297+562
4	PVKEPL/HO/VKP3/IE/186/2019	06.08.2019	Regarding Submission of detailed Design & Drawing for MNB at Ch. 307+733
5	PVKEPL/HO/VKE3/IE/187/2019	06.08.2019	Submission of Monthly Progress Report for the Month of July 2019- Reg.
6	PVKEPL/VKE3/IE/188/2019	07.08.2019	Report on Occurrence of "Force Majeure : Non - Political Event" under Article -28, Clause 28.5 of Concession Agreement - Reg.
7	PIL/LAB/TEST/GEO/189/2019	09.08.2019	Testing of Materials - Cement OPC53 Grade - Ultratech Cement Limited
8	PVKEPL/HO/VKP3/IE/140/2019	09.08.2019	Compliance of observations made on Modification in Span arrangement and / or Structure Type - Reg.
9	PVKEPL/HO/VKP3/IE/141/2019	10.08.2019	Submission of Company profile & credentials for the Shree Parmeshwar Steels Pvt. Ltd. for procurement of TMT bars for Source approval
10	PVKEPL/HO/VKP3/IE/142/2019	10.08.2019	Submission of Company Profile & Credentials for the Prism Johnson Ltd. for procurement of Ready Mix concrete and high performance admixture for source approval
11	PVKEPL/HO/VKP3/IE/143/2019	10.08.2019	Submission of Company profile & credentials for the Vivan Steels Pvt. Ltd. for procurement of Dowel bars and Tie bars for Source approval
12	PVEPL/VKE3/IE/190/2019	12.08.2019	Submission of Method Statement for overlaying / raising the invert level of depressed PUP at Km 304+170 to closing of NCR no. 003 - Reg.
13	PVEPL/VKE3/IE/191/2019	12.08.2019	Submission of detailed documents of backfilling with RFI for the closing of NCR no. 05 at Km 303+608 HPC
14	PVKEPL/VKE3/IE/192/2019	12.08.2019	Submission of Company Credential / Technical literature of Joint sealant, Admixture, curing compound, Crack Filter (STP Limited) - Reg.
15	PVKEPL/VKE3/IE/193/2019	12.08.2019	Submission of Third Party Laboratory test report - Reg.
16	PVKEPL/VKE3/IE/194/2019	12.08.2019	Submission of Third Party Laboratory test report of Steel - Reg.

DETAILS OF CORRESPONDENCE BY PVKEPL

Sr. No.	Letter No.	Date	Letter from PVKEPL Reg.
17	PVKEPL/VKE3/IE/195/2019	12.08.2019	Submission of Third Party Laboratory test reprot of Cement - Reg.
18	PVKEPL/HO/VKP3/NHAI/144/2019	16.08.2019	Rgarding approval of the Utility shifting estimate of DGVCL
19	PVKEPL/HO/IE/145/2019	17.08.2019	Regarding Compliance against observations on submitted Structure Design and Drawing of MNB at Ch. 304+454 and Ch. 313+809
20	PVKEPL/HO/VKP3/PIU/146/2019	19.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee - Reg.
21	PVKEPL/VKE3/NHAI/197/2019	20.08.2019	Request for resurvey work in the project reg.
22	PVKEPL/HO/VKP3/IE/198/2019	20.08.2019	Regarding Relocation of CUP due to coinciding with Project facilities in Project Expressway
23	PVKEPL/HO/VKE3/IE/148/2019	20.08.2019	Compliance to observation's made on Embankment construction - Reg.
24	PVKEPL/HO/VKP3/IE/147/2019	22.08.2019	Delay in the Progress of Works and Non achievement of Milestone - I and Issuance of Advance Notice for recovery of damages in the event of failure to achieve milestones within time period as per Sub Clause 12.3.2 of Concession Agreement - Reg.
25	PVKEPL/HO/VKP3/PIU/149/2019	26.08.2019	Submission of 2nd Mobilization Advance Bank Guarantee - Reg.
26	PVKEPL/HO/VKP3/PIU/150/2019	26.08.2019	Submission of Method Statement for Separation Layer Works with Non - Woven Geotextile - Reg.
27	PVKEPL/VKE3/IE/199/2019	26.08.2019	Submissio of Company Profile & Credentials/ Technical Literature of Vista Chemtech Private Limited of Source of Curing COMpound, Sealant ADMIXTURE for Concrete / PQC works - Reg.
28	PVKEPL/VKE3/IE/200/2019	26.08.2019	Submission of Company Profile & Credentials of CIMEC Technologies Pvt. Ltd. for the testing Project Highway - Reg.
29	PVKEPL/VKE3/IE/201/2019	26.08.2019	Submission of Third Party test report Coefficient of Permeability - Reg.
30	PVKEPL/HO/VKE3/PIU/151/2019	27.08.2019	Compliance of observations made on Modification in Span agangement and / or Structure Type - Reg.

Project Organization Chart



Annexure-03 RFI summary

Project		Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manuba Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)"							
Authority		National Highways Authority of India							
Concessionaire		Patel Vadodara - Kim Expressway Private Limited							
Independent Engineer		Aarvee Associates Architects Engineers & Consultants Pvt..Ltd							
EPC Contractor		Patel Infrastructure Ltd.							
Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Side	Contact Person	Contact Number	Remarks
1	VKE-3/PIL/STR/3125	10:00 AM	2-Aug-19	Checking of Reinforcement & Shuttering for Raft	316+420	LHS	Mr. Ishan	9904068001	BC
2	VKE-3/PIL/STR/3126	11:00 AM	2-Aug-19	Checking of Reinforcement & Shuttering for Wall 3rd Lift A1 & A2 both end	304+170	LHS			PUP
3	VKE-3/PIL/STR/3127	1:00 PM	7-Aug-19	Checking the Bore Depth of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 39
4	VKE-3/PIL/STR/3128	2:00 PM	7-Aug-19	Checking of Reinforcement of Pile P2	299+354	RHS			
5	VKE-3/PIL/STR/3129	3:00 PM	7-Aug-19	Checking of Concreting of Pile P2		RHS	Mr. Amar	8159010968	FO Pile No 42
6	VKE-3/PIL/STR/3130	1:00 PM	8-Aug-19	Checking the Bore Depth of Pile P2	299+354	RHS			
7	VKE-3/PIL/STR/3131	2:00 PM	8-Aug-19	Checking of Reinforcement of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 42
8	VKE-3/PIL/STR/3132	3:00 PM	8-Aug-19	Checking of Concreting of Pile P2	299+354	RHS			
9	VKE-3/PIL/STR/3133	1:00 PM	9-Aug-19	Checking the Bore Depth of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 42
10	VKE-3/PIL/STR/3134	2:00 PM	9-Aug-19	Checking of Reinforcement of Pile P2	299+354	RHS			
11	VKE-3/PIL/STR/3135	3:00 PM	9-Aug-19	Checking of Concreting of Pile P2	299+354	RHS	Mr. Ishan	9904068001	MJB
12	VKE-3/PIL/STR/3136	2:30 PM	9-Aug-19	Checking of Pile Coordinates for Abutment A2	318+870	BHS			
13	VKE-3/PIL/STR/3137	1:00 PM	13-Aug-19	Checking the Bore Depth of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 42
14	VKE-3/PIL/STR/3138	2:00 PM	13-Aug-19	Checking of Reinforcement of Pile P2	299+354	RHS			
15	VKE-3/PIL/STR/3139	3:00 PM	13-Aug-19	Checking of Concreting of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 41
16	VKE-3/PIL/STR/3140	1:00 PM	14-Aug-19	Checking the Bore Depth of Pile P2	299+354	RHS			
17	VKE-3/PIL/STR/3141	2:00 PM	14-Aug-19	Checking of Reinforcement of Pile P2	299+354	RHS	Mr. Amar	8159010968	FO Pile No 41
18	VKE-3/PIL/STR/3142	3:00 PM	14-Aug-19	Checking of Concreting of Pile P2	299+354	RHS			
19	VKE-3/PIL/STR/3143	3:00 PM	17-Aug-19	Checking of Reinforcement & shuttering of of Pile cap P2	293+014	RHS	Mr. Rahul	9149042843	
20	VKE-3/PIL/STR/3144	4:00 PM	17-Aug-19	Checking of Concret pouring of Pile cap P2	293+014	RHS	Mr. Rahul	9149042843	
21	VKE-3/PIL/STR/3145	10:00 AM	18-Aug-19	Checking of Reinforcement & shuttering of of Pile cap P2	293+014	RHS	Mr. Rahul	9149042843	
22	VKE-3/PIL/STR/3146	11:00 AM	18-Aug-19	Checking of Concret pouring of Pile cap P2	293+014	RHS	Mr. Rahul	9149042843	
23	VKE-3/PIL/STR/3147	9:00 AM	20-Aug-19	Checking of Concret pouring of Pile cap P2	293+014	RHS	Mr. Rahul	9149042843	
24	VKE-3/PIL/STR/3148	9:00 AM	20-Aug-19	Checking of Reinforcement and Formwork of Wall 3rd Lift-A1 & A2	298+380	LHS	Mr.Ishan	9904068001	PUP
25	VKE-3/PIL/STR/3149	10:00 AM	20-Aug-19	Checking of Concret pouring of Wall 3rd Lift-A1 & A2	298+380	LHS			PUP
26	VKE-3/PIL/STR/3150	11:00 AM	20-Aug-19	Checking of bor depth of pile and reinforcement	299+354	RHS			Pile No. 43
27	VKE-3/PIL/STR/3151	2:00 PM	20-Aug-19	Checking of Concret pouring of Pile	299+354	RHS			Pile No. 43

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Side	Contact Person	Contact Number	Remarks
28	VKE-3/PIL/STR/3152	12:00 PM	21-Aug-19	Checking of bor depth of pile and reinforcement	299+354	RHS			Pile No. 44
29	VKE-3/PIL/STR/3153	2:00 PM	21-Aug-19	Checking of Concret pouring of Pile	299+354	RHS			Pile No. 44
30	VKE-3/PIL/STR/3154	10:00 AM	22-Aug-19	Checking of reinforcement and formwork for raft	295+151	LHS	Mr. Ishan	9904068001	PUP
31	VKE-3/PIL/STR/3155	10:00 AM	22-Aug-19	Checking of Layout and excavation	311+047	RHS			LVUP
32	VKE-3/PIL/STR/3156	11:00 AM	22-Aug-19	Checking of Ground Improvement 1st Layer	311+047	RHS			LVUP
33	VKE-3/PIL/STR/3157	11:00 AM	22-Aug-19	Checking the bore depth of pile and reinforcement	299+354	RHS			Pile no 44
34	VKE-3/PIL/STR/3158	12:00 PM	22-Aug-19	Checking of Concret pouring of Pile	299+354	RHS			Pile no 44
35	VKE-3/PIL/STR/3159	9:00 AM	22-Aug-19	Checking the bore depth of pile and reinforcement	318+870	LHS			Pile no 35
36	VKE-3/PIL/STR/3160	10:00 AM	22-Aug-19	Checking of Concret pouring of Pile	318+870	LHS			Pile no 35
37	VKE-3/PIL/STR/3161	2:00 PM	22-Aug-19	Checking the bore depth of pile and reinforcement	318+870	LHS			Pile no 36
38	VKE-3/PIL/STR/3162	3:00 PM	22-Aug-19	Checking of Concret pouring of Pile	318+870	LHS			Pile no 36
39	VKE-3/PIL/STR/3163	5:00 PM	22-Aug-19	Checking the bore depth of pile and reinforcement	318+870	RHS			Pile no 48
40	VKE-3/PIL/STR/3164	6:00 PM	22-Aug-19	Checking of Concret pouring of Pile	318+870	RHS			Pile no 48
41	VKE-3/PIL/STR/3165	9:00 AM	22-Aug-19	Checking of Pile Coordinates	318+870	LHS			A2
42	VKE-3/PIL/STR/3166	10:00 AM	22-Aug-19	Checking of Pile Coordinates	318+870	RHS			A2
43	VKE-3/PIL/STR/3163	3:00 PM	23-Aug-19	Checking of Ground Improvement	311+047	RHS			LVUP
44	VKE-3/PIL/STR/3164	11:00 AM	23-Aug-19	Checking the bore depth of pile and reinforcement	299+354	RHS			Pile no 44
45	VKE-3/PIL/STR/3165	12:00 PM	23-Aug-19	Checking of Concret pouring of Pile	299+354	RHS			Pile no 44
46	VKE-3/PIL/STR/3166	9:00 AM	23-Aug-19	Checking the bore depth of pile and reinforcement	318+870	LHS	Mr. Ishan	9904068001	A2-Pile no 36
47	VKE-3/PIL/STR/3167	10:00 AM	23-Aug-19	Checking of Concret pouring of Pile	318+870	LHS			A2-Pile no 36
48	VKE-3/PIL/STR/3168	2:00 PM	23-Aug-19	Checking the bore depth of pile and reinforcement	318+870	RHS			A2-Pile no 47
49	VKE-3/PIL/STR/3169	3:00 PM	23-Aug-19	Checking of Concret pouring of Pile	318+870	RHS			A2-Pile no 47
50	VKE-3/PIL/STR/3170	8:00 AM	23-Aug-19	Checking of Concret pouring of Raft M35	295+151	LHS			PUP (Spot RFI)
51	VKE-3/PIL/STR/3175	10:00 AM	26-Aug-19	Checking of reinforcement and shuttering of top slab	298+380	RHS			PUP
52	VKE-3/PIL/STR/3176	11:00 AM	26-Aug-19	Checking of pouring the concrete of top slab	299+354	RHS			PUP
53	VKE-3/PIL/STR/3177	12:00 PM	26-Aug-19	Checking of pilecap p.c.c	293+014	RHS			ROB P3 Side
54	VKE-3/PIL/STR/3178	2:00 PM	26-Aug-19	Checking of pilecap p.c.c	293+014	LHS	Mr. Rahul	9149042843	ROB P2 Side
55	VKE-3/PIL/STR/3179	10:00 AM	26-Aug-19	Checking of reinforcement and shuttering of Pile Cap	293+014	RHS			ROB P1 Side
56	VKE-3/PIL/STR/3180	2:00 PM	26-Aug-19	Checking of pouring the concrete of Pile cap	293+014	RHS			ROB P1 Side
57	VKE-3/PIL/STR/3181	3:00 PM	26-Aug-19	Checking of reinforcement and shuttering of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
58	VKE-3/PIL/STR/3182	8:00 AM	26-Aug-19	Checking of reinforcement and shuttering of Wall 1st lift	311+650	RHS	Mr. Ishan	9904068001	PUP A1 Side

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Side	Contact Person	Contact Number	Remarks
59	VKE-3/PIL/STR/3183	9:00 AM	26-Aug-19	Checking of pouring the concrete of Wall 1st lift	311+650	RHS	Mr. Ishan	9904068001	PUP A1 Side
60	VKE-3/PIL/STR/3184	4:00 PM	26-Aug-19	Checking the bore depth of pile and reinforcement checking	299+354	LHS	Mr.Rahul	9149042843	FO P2 Side
61	VKE-3/PIL/STR/3185	4:00 PM	26-Aug-19	Checking of pile concreting for pile no 30	299+354	LHS			FO P2 Side
62	VKE-3/PIL/STR/3186	2:00 PM	26-Aug-19	Checking the bore depth of pile and reinforcement checking	318+870	LHS	Mr. Ishan	9904068001	MNB A2 Side
63	VKE-3/PIL/STR/3187	2:00 PM	26-Aug-19	Checking of pile concreting for pile no 33	318+870	LHS			MNB A2 Side
64	VKE-3/PIL/STR/3188	3:00 PM	26-Aug-19	Checking the bore depth of pile and reinforcement checking	318+870	RHS			MNB A2 Side
65	VKE-3/PIL/STR/3189	3:00 PM	26-Aug-19	Checking of pile concreting for pile no 46	318+870	RHS			MNB A2 Side
66	VKE-3/PIL/STR/3190	10:00 AM	27-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 30	299+354	LHS	Mr.Rahul	9149042843	FO P2 Side
67	VKE-3/PIL/STR/3191	11:00 AM	27-Aug-19	Checking of pile concreting for pile no 30	299+354	LHS			FO P2 Side
68	VKE-3/PIL/STR/3192	2:00 PM	27-Aug-19	Checking of pouring the concrete of Pile cap	293+014	RHS			ROB P1 Side
69	VKE-3/PIL/STR/3193	3:00 PM	27-Aug-19	Checking of reinforcement and shuttering of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
70	VKE-3/PIL/STR/3194	4:00 PM	27-Aug-19	Checking of pouring the concrete of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
71	VKE-3/PIL/STR/3195	9:00 AM	27-Aug-19	Checking of ground improvement	311+047	RHS	Mr.Rahul	9149042843	LVUP
72	VKE-3/PIL/STR/3196	11:00 AM	27-Aug-19	Checking of laying of PCC	311+047	RHS			LVUP
73	VKE-3/PIL/STR/3197	5:00 PM	27-Aug-19	Checking Of reinforcement and formwork of raft	311+047	LHS			LVUP
74	VKE-3/PIL/STR/3198	2:00 PM	27-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 33	318+870	LHS	Mr. Ishan	9904068001	MNB A2 Side
75	VKE-3/PIL/STR/3199	2:30 PM	27-Aug-19	Checking of pile concreting for pile no 33	318+870	LHS			MNB A2 Side
76	VKE-3/PIL/STR/3200	3:00 PM	27-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 45	318+870	RHS			MNB A2 Side
77	VKE-3/PIL/STR/3201	4:30 PM	27-Aug-19	Checking of pile concreting for pile no 45	318+870	RHS			MNB A2 Side
78	VKE-3/PIL/STR/3202	10:00 AM	28-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 30	299+354	LHS	Mr.Rahul	9149042843	FO P2 Side
79	VKE-3/PIL/STR/3203	11:00 AM	28-Aug-19	Checking of pile concreting for pile no 30	299+354	LHS			FO P2 Side
80	VKE-3/PIL/STR/3204	2:00 PM	28-Aug-19	Checking of pouring the concrete of Pile cap	293+014	RHS			ROB P1 Side
81	VKE-3/PIL/STR/3205	3:00 PM	28-Aug-19	Checking of reinforcement and shuttering of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
82	VKE-3/PIL/STR/3206	4:00 PM	28-Aug-19	Checking of pouring the concrete of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
83	VKE-3/PIL/STR/3207	9:00 AM	28-Aug-19	Checking of ground improvement	311+047	RHS	Mr.Rahul	9149042843	LVUP
84	VKE-3/PIL/STR/3208	11:00 AM	28-Aug-19	Checking of laying of PCC	311+047	RHS			LVUP
85	VKE-3/PIL/STR/3209	5:00 PM	28-Aug-19	Checking Of reinforcement and formwork of raft	311+047	LHS			LVUP
86	VKE-3/PIL/STR/3210	2:00 PM	28-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 33	318+870	LHS			MNB A2 Side
87	VKE-3/PIL/STR/3211	2:30 PM	28-Aug-19	Checking of pile concreting for pile no 33	318+870	LHS			MNB A2 Side

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Side	Contact Person	Contact Number	Remarks
88	VKE-3/PIL/STR/3212	3:00 PM	28-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 45	318+870	RHS	Mr. Ishan	9904068001	MNB A2 Side
89	VKE-3/PIL/STR/3213	4:30 PM	28-Aug-19	Checking of pile concreting for pile no 45	318+870	RHS			MNB A2 Side
90	VKE-3/PIL/STR/3214	5:30 PM	28-Aug-19	Selection of pile for routine test	297+562				MNB
91	VKE-3/PIL/STR/3215	10:00 AM	29-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 30	299+354	LHS	Mr.Rahul	9149042843	FO P2 Side
92	VKE-3/PIL/STR/3216	11:00 AM	29-Aug-19	Checking of pile concreting for pile no 30	299+354	LHS			FO P2 Side
93	VKE-3/PIL/STR/3217	2:00 PM	29-Aug-19	Checking of pouring the concrete of Pile cap	293+014	RHS			ROB P1 Side
94	VKE-3/PIL/STR/3218	3:00 PM	29-Aug-19	Checking of reinforcement and shuttering of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
95	VKE-3/PIL/STR/3219	4:00 PM	29-Aug-19	Checking of pouring the concrete of Pier Shaft 1st lift	293+014	LHS			ROB P1 Side
96	VKE-3/PIL/STR/3220	11:00 AM	29-Aug-19	Checking Of reinforcement and formwork of raft	311+047	LHS	Mr. Ishan	9904068001	LVUP
97	VKE-3/PIL/STR/3221	2:00 PM	29-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 34	318+870	LHS			MJB A2 Side
98	VKE-3/PIL/STR/3222	2:30 PM	29-Aug-19	Checking of pile concreting for pile no 34	318+870	LHS			MJB A2 Side
99	VKE-3/PIL/STR/3223	3:00 PM	29-Aug-19	Checking the bore depth of pile and reinforcement checking for pile no 47	318+870	RHS			MJB A2 Side
100	VKE-3/PIL/STR/3224	4:30 PM	29-Aug-19	Checking of pile concreting for pile no 47	318+870	RHS			MJB A2 Side
101	VKE-3/PIL/STR/3225	3:00 PM	30-Aug-19	Checking of Reinforcement and Shuttering of Pier Shaft	293+014	LHS	Mr.Rahul	9149042843	P1 Side , 1st Lift
102	VKE-3/PIL/STR/3226	2:30 PM	30-Aug-19	Checking of Concreting of Pier shaft	293+014	LHS			P1 Side , 1st Lift
103	VKE-3/PIL/STR/3227	2:00 PM	30-Aug-19	Checking of Concrete of Pile cap	293+014	RHS			P1 Side
104	VKE-3/PIL/STR/3228	8:30 AM	30-Aug-19	Checking of Concreting of Raft	311+047	LHS			LVUP
105	VKE-3/PIL/STR/3229	8:30 AM	30-Aug-19	Checking the Bore Depth of Pile P2	299+354	LHS	Mr. Ishan	9904068001	P2 Side , Pile No 32
106	VKE-3/PIL/STR/3230	2:00 PM	30-Aug-19	Checking of Reinforcement of Pile P2	299+354	LHS			P2 Side , Pile No 32
107	VKE-3/PIL/STR/3231	2:30 PM	30-Aug-19	Checking of Concreting of Pile P2	299+354	LHS			P2 Side , Pile No 32
108	VKE-3/PIL/STR/3232	2:30 PM	30-Aug-19	Checking the Bore Depth of Pile A2	318+870	LHS			A2 Side , Pile No 31
109	VKE-3/PIL/STR/3233	3:00 PM	30-Aug-19	Checking of Reinforcement of Pile A2	318+870	LHS			A2 Side , Pile No 31
110	VKE-3/PIL/STR/3234	4:30 PM	30-Aug-19	Checking of Concreting of Pile A2	318+870	LHS			A2 Side , Pile No 31
111	VKE-3/PIL/STR/3235	2:30 PM	30-Aug-19	Checking the Bore Depth of Pile A2	318+870	RHS			A2 Side , Pile No 45
112	VKE-3/PIL/STR/3236	3:00 PM	30-Aug-19	Checking of Reinforcement of Pile A2	318+870	RHS			A2 Side , Pile No 45
113	VKE-3/PIL/STR/3237	4:30 PM	30-Aug-19	Checking of Concreting of Pile A2	318+870	RHS			A2 Side , Pile No 45
114	VKE-3/PIL/STR/3238	9:00 AM	31-Aug-19	Checking of Reinforcement of Raft	311+650	RHS	Mr. Ishan	9904068001	PUP , 1st Lift
115	VKE-3/PIL/STR/3241	10:00 AM	31-Aug-19	Checking of Concreting of Raft	311+650	RHS			PUP , 1st Lift

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Side	Contact Person	Contact Number	Remarks
116	VKE-3/PIL/STR/3242	8:30 AM	31-Aug-19	Checking the Bore Depth of Pile P2	299+354	LHS	Mr.Rahul	9149042843	P2 Side , Pile No 31
117	VKE-3/PIL/STR/3243	2:00 PM	31-Aug-19	Checking of Reinforcement of Pile P2	299+354	LHS			P2 Side , Pile No 31
118	VKE-3/PIL/STR/3244	2:30 PM	31-Aug-19	Checking of Concreting of Pile P2	299+354	LHS			P2 Side , Pile No 31
119	VKE-3/PIL/STR/3245	2:30 PM	31-Aug-19	Checking the Bore Depth of Pile A2	318+870	LHS	Mr. Jaymin Pat	9586010295	A2 Side , Pile No 31
120	VKE-3/PIL/STR/3246	3:00 PM	31-Aug-19	Checking of Reinforcement of Pile A2	318+870	LHS			A2 Side , Pile No 31
121	VKE-3/PIL/STR/3247	4:30 PM	31-Aug-19	Checking of Concreting of Pile A2	318+870	LHS			A2 Side , Pile No 31
122	VKE-3/PIL/STR/3248	2:30 PM	31-Aug-19	Checking the Bore Depth of Pile A2	318+870	RHS			A2 Side , Pile No 43
123	VKE-3/PIL/STR/3249	3:00 PM	31-Aug-19	Checking of Reinforcement of Pile A2	318+870	RHS			A2 Side , Pile No 43
124	VKE-3/PIL/STR/3250	4:30 PM	31-Aug-19	Checking of Concreting of Pile A2	318+870	RHS		A2 Side , Pile No 43	
125	VKE-3/PIL/STR/3251	9:00 AM	31-Aug-19	Checking of Reinforcement of Slab	298+380	RHS	Mr. Ishan	9904068001	PUP
126	VKE-3/PIL/STR/3252	10:00 AM	31-Aug-19	Checking of Concreting of Slab	298+380	RHS			PUP

RFI Summary

Project			Construction of Eight lane Vadodara Kim Expressway from Km 292.00 to Km 323.00 (Manubar to Sanpa Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)''						
Authority			National Highways Authority of India						
Concessionaire			Patel Vadodara - Kim Expressway Private Limited						
Independent Engineer			Aarvee Associates Architects Engineers & Consultants Pvt..Ltd						
EPC Contractor			Patel Infrastructure Ltd.						
Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Contact Person	Contact Number	Remarks	
1	VKE-3/PIL/LAB/278	10.00AM	2-Aug-19	DLC Mix Design with Sidhee OPC 53 Grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554		
2	VKE-3/PIL/LAB/279	10.00AM	3-Aug-19	Caliberation of Sand Pouring Cylinder of 150mm Dia	QC Lab	Mr. Chandra Kanta	8018503554		
3	VKE-3/PIL/LAB/280	10.00AM	5-Aug-19	Sampling of Aggregate for Wet Mix Macadam Design	QC Lab	Mr. Chandra Kanta	8018503554		
4	VKE-3/PIL/LAB/281	11:00 AM	5-Aug-19	Sampling of Aggregate for Wet DBM Design	QC Lab				
5	VKE-3/PIL/LAB/282	12:00 PM	5-Aug-19	Sampling of Aggregate for Bituminous Concrete Design	QC Lab				
6	VKE-3/PIL/LAB/283	10:30 AM	5-Aug-19	Concrete Mix Design M25 PCC with Ultratech & BASF Admixture	QC Lab				SPOT RFI
7	VKE-3/PIL/LAB/284	12:00 PM	5-Aug-19	Concrete Mix Design M30 RCC with Ultratech & BASF Admixture	QC Lab				SPOT RFI
8	VKE-3/PIL/LAB/285	2:00 PM	5-Aug-19	Concrete Mix Design M35 RCC with Ultratech & BASF Admixture	QC Lab				SPOT RFI
9	VKE-3/PIL/LAB/286	4:00 PM	5-Aug-19	Concrete Mix Design M40 RCC with Ultratech & BASF Admixture	QC Lab		SPOT RFI		
10	VKE-3/PIL/LAB/287	10:30 AM	6-Aug-19	Concrete Mix Design M25 PCC with Ultratech OPC-53 grade & CAC Admixture	QC Lab	Mr. Chandra Kanta	8018503554		
11	VKE-3/PIL/LAB/288	12:00 PM	6-Aug-19	Concrete Mix Design M30 RCC with Ultratech OPC-53 grade & CAC Admixture	QC Lab				
12	VKE-3/PIL/LAB/289	2:00 PM	6-Aug-19	Concrete Mix Design M35 RCC with Ultratech OPC-53 grade & CAC Admixture	QC Lab				
13	VKE-3/PIL/LAB/290	4:00 PM	6-Aug-19	Concrete Mix Design M35 PILE with Ultratech OPC-53 grade & BASF Admixture	QC Lab				
14	VKE-3/PIL/LAB/291	10:00 AM	6-Aug-19	Sampling of Aggregate for Wet Mix Macadam design in house test	QC Lab				
15	VKE-3/PIL/LAB/292	10:30 AM	7-Aug-19	Concrete Mix Design M35 PILE with Ultratech OPC-53 grade & CAC Admixture	QC Lab	Mr. Chandra Kanta	8018503554		
16	VKE-3/PIL/LAB/293	12:00 PM	7-Aug-19	Concrete Mix Design M40 RCC with Ultratech OPC-53 grade & CAC Admixture	QC Lab				
17	VKE-3/PIL/LAB/294	2:00 PM	7-Aug-19	Concrete Mix Design M25 PCC with Ultratech OPC-53 grade & YASHKA Admixture	QC Lab				
18	VKE-3/PIL/LAB/295	4:00 PM	7-Aug-19	Concrete Mix Design M30 RCC with Ultratech OPC-53 grade & YASHKA Admixture	QC Lab				

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Contact Person	Contact Number	Remarks
19	VKE-3/PIL/LAB/296	10:00 AM	7-Aug-19	Sampling of Aggregate for DBM Mix Design Partially Third Party Lab Test	QC Lab			
20	VKE-3/PIL/LAB/297	10:30 AM	8-Aug-19	Concrete Mix Design M35 RCC with Ultratech OPC-53 grade & YASHKA Admixture	QC Lab	Mr. Chandra Kanta	8018503554	
21	VKE-3/PIL/LAB/298	12:00 PM	8-Aug-19	Concrete Mix Design M35 PILE with Ultratech OPC-53 grade & YASHKA Admixture	QC Lab			
22	VKE-3/PIL/LAB/299	2:00 PM	8-Aug-19	Concrete Mix Design M40 RCC with Ultratech OPC-53 grade & YASHKA Admixture	QC Lab			
23	VKE-3/PIL/LAB/300	4:00 PM	8-Aug-19	Concrete Mix Design M25 PCC with Ultratech OPC-53 grade & MOLECULES Admixture	QC Lab			
24	VKE-3/PIL/LAB/301	10:30 AM	9-Aug-19	Concrete Mix Design M30 RCC with Ultratech OPC-53 grade & MOLECULES Admixture	QC Lab			
25	VKE-3/PIL/LAB/302	12:00 PM	9-Aug-19	Concrete Mix Design M35 RCC with Ultratech OPC-53 grade & MOLECULES Admixture	QC Lab	Mr. Chandra Kanta	8018503554	
26	VKE-3/PIL/LAB/303	2:00 PM	9-Aug-19	Concrete Mix Design M35 PILE with Ultratech OPC-53 grade & MOLECULES Admixture	QC Lab			
27	VKE-3/PIL/LAB/304	4:00 PM	9-Aug-19	Concrete Mix Design M40 RCC with Ultratech OPC-53 grade & MOLECULES Admixture	QC Lab			
28	VKE-3/PIL/LAB/305	10:00 AM	9-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab			
29	VKE-3/PIL/LAB/306	10:30 AM	10-Aug-19	Concrete Mix Design M25 PCC with Ultratech OPC-53 grade & FAIRMATE Admixture	QC Lab			
30	VKE-3/PIL/LAB/307	12:00 PM	10-Aug-19	Concrete Mix Design M30 RCC with Ultratech OPC-53 grade & FAIRMATE Admixture	QC Lab	Mr. Chandra Kanta	8018503554	
31	VKE-3/PIL/LAB/308	2:00 PM	10-Aug-19	Concrete Mix Design M35 RCC with Ultratech OPC-53 grade & FAIRMATE Admixture	QC Lab			
32	VKE-3/PIL/LAB/309	4:00 PM	10-Aug-19	Concrete Mix Design M35 PILE with Ultratech OPC-53 grade & FAIRMATE Admixture	QC Lab			
33	VKE-3/PIL/LAB/310	10:00 AM	10-Aug-19	DLC Mix Design with Ultratech OPC-53 grade of Cement	QC Lab			
34	VKE-3/PIL/LAB/311	10:00 AM	11-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab			Mr. Chandra Kanta
35	VKE-3/PIL/LAB/312	10:00 AM	13-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
36	VKE-3/PIL/LAB/313	11:00 AM	13-Aug-19	Concrete Mix Design M35 RCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab			
37	VKE-3/PIL/LAB/314	12:00 PM	13-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab			
38	VKE-3/PIL/LAB/315	10:00 AM	14-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab			
39	VKE-3/PIL/LAB/316	11:00 AM	14-Aug-19	Concrete Mix Design M35 Pile with Sidhee OPC-53 grade & Kunal Admixture	QC Lab	Mr. Chandra Kanta	8018503554	

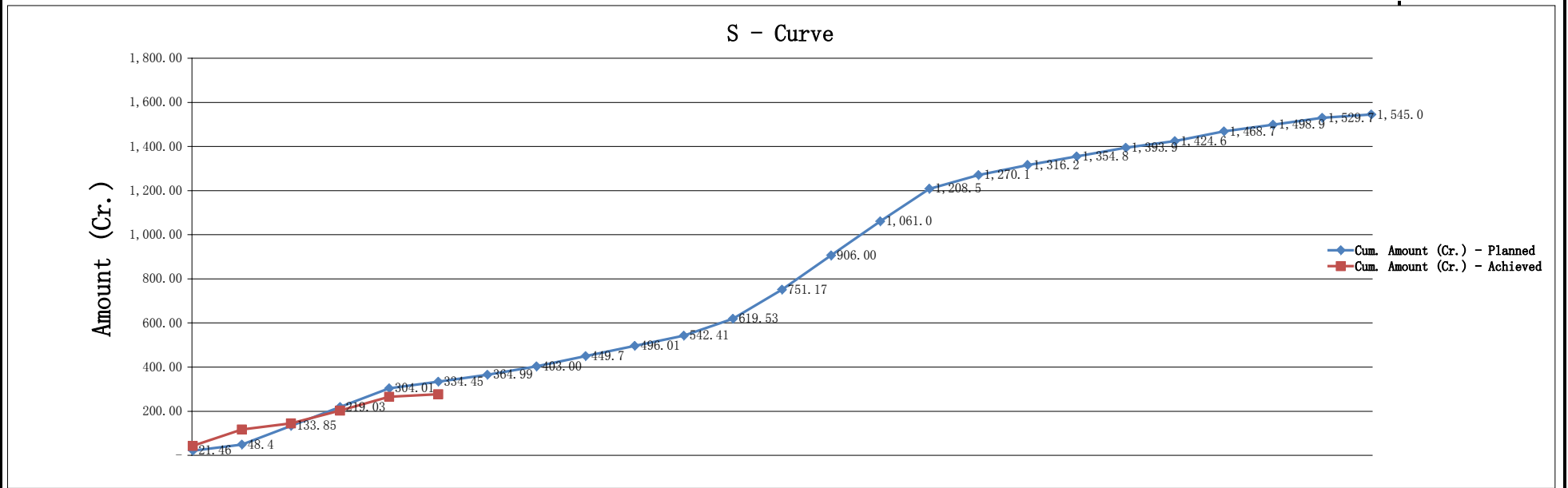
Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Contact Person	Contact Number	Remarks
40	VKE-3/PIL/LAB/317	12:00 PM	14-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & Kunal Admixture	QC Lab			
41	VKE-3/PIL/LAB/318	10:00 AM	17-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
42	VKE-3/PIL/LAB/319	11:00 AM	17-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
43	VKE-3/PIL/LAB/320	12:00 PM	17-Aug-19	Concrete Mix Design M25 pcc with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
44	VKE-3/PIL/LAB/321	1:00 PM	17-Aug-19	Concrete Mix Design M35 RCC with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
45	VKE-3/PIL/LAB/322	12:00 PM	18-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
46	VKE-3/PIL/LAB/323	12:30 PM	18-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
47	VKE-3/PIL/LAB/324	10:00 AM	19-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
48	VKE-3/PIL/LAB/325	11:00 AM	19-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
49	VKE-3/PIL/LAB/326	12:00 PM	19-Aug-19	Concrete Mix Design M35 Pile with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
50	VKE-3/PIL/LAB/327	10:00 AM	20-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
51	VKE-3/PIL/LAB/328	11:00 AM	20-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
52	VKE-3/PIL/LAB/329	12:00 PM	20-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & Yashika Admixture	QC Lab			
53	VKE-3/PIL/LAB/330	2:00 PM	20-Aug-19	Concrete Mix Design M35 pile with Sidhee OPC-53 grade & CAC Admixture	QC Lab			
54	VKE-3/PIL/LAB/331	3:00 PM	20-Aug-19	Concrete Mix Design M25 PCC with Sidhee OPC-53 grade & Yashika Admixture	QC Lab			
55	VKE-3/PIL/LAB/332	4:00 PM	20-Aug-19	Factory Visit of Yashka Polymers Pvt.Ltd. Ahemedabad	QC Lab			
56	VKE-3/PIL/LAB/333	10:00 AM	21-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. Chandra Kanta	8018503554	
57	VKE-3/PIL/LAB/334	12:00 PM	21-Aug-19	Concrete Mix Design M35 pile with Sidhee OPC-53 grade & Yashika Admixture	QC Lab			
58	VKE-3/PIL/LAB/335	2:00 PM	21-Aug-19	Concrete Mix Design M35 RCC with Sidhee OPC-53 grade & Yashika Admixture	QC Lab			
59	VKE-3/PIL/LAB/336	10:00 AM	22-Aug-19	DLC Mix Design with Sidhee OPC-53 grade of Cement	QC Lab	Mr. M Chaurasiya	7500247026	
60	VKE-3/PIL/LAB/337	12:00 PM	22-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab			
61	VKE-3/PIL/LAB/338	2:00 PM	22-Aug-19	Concrete Mix Design M35 Pile with Sidhee OPC-53 grade & BASF Admixture	QC Lab			
62	VKE-3/PIL/LAB/339	3:00 PM	22-Aug-19	Calibration of sand pouring Cylinder, 100mm Dia	QC Lab			

Sr. NO.	RFI NO.	Inspection Time	Inspection date	Item Description	Chainage	Contact Person	Contact Number	Remarks
63	VKE-3/PIL/LAB/340	10:00 AM	26-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab	Mr. M Chaurasiya	7500247026	
64	VKE-3/PIL/LAB/340	10:00 AM	27-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & Molecules Admixture	QC Lab	Mr. M Chaurasiya	7500247026	
65	VKE-3/PIL/LAB/341	11:00 AM	27-Aug-19	Concrete Mix Design M35 Pile with Sidhee OPC-53 grade & Molecules Admixture	QC Lab			
66	VKE-3/PIL/LAB/342	12:00 AM	27-Aug-19	Sampling of steel 32mm Dia source : Essar steel	QC Lab			
67	VKE-3/PIL/LAB/343	12:30 PM	27-Aug-19	Sampling of steel 25mm Dia source : Essar steel	QC Lab			
68	VKE-3/PIL/LAB/344	2:00 PM	27-Aug-19	DLC Mix Design with Ultratech Cement	QC Lab			
69	VKE-3/PIL/LAB/345	3:00 PM	27-Aug-19	Concrete Mix Design M30 RCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab			
70	VKE-3/PIL/LAB/346	10:00 AM	28-Aug-19	Concrete Mix Design M35 RCC with Sidhee OPC-53 grade & Molecules Admixture	QC Lab			Mr. M Chaurasiya
71	VKE-3/PIL/LAB/347	11:00 AM	28-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & Molecules Admixture	QC Lab			
72	VKE-3/PIL/LAB/348	2:00 PM	28-Aug-19	DLC Mix Design with Ultratech Cement	QC Lab			
73	VKE-3/PIL/LAB/349	3:00 PM	28-Aug-19	Calibration of sand pouring cylinder 200mm Dia	QC Lab			
74	VKE-3/PIL/LAB/350	10:00 AM	29-Aug-19	Concrete Mix Design M25 PCC with Sidhee OPC-53 grade & Molecules Admixture	QC Lab	Mr. M Chaurasiya	7500247026	
75	VKE-3/PIL/LAB/351	2:00 PM	29-Aug-19	DLC Mix Design with Ultratech Cement	QC Lab	Mr. M Chaurasiya	7500247026	
76	VKE-3/PIL/LAB/352	10:00 AM	30-Aug-19	Concrete Mix Design M25 PCC with Sidhee OPC-53 grade & Yashka Admixture	QC Lab			
77	VKE-3/PIL/LAB/353	2:00 PM	30-Aug-19	Concrete Mix Design M40 RCC with Sidhee OPC-53 grade & Yashka Admixture	QC Lab			
78	VKE-3/PIL/LAB/354	10:00 AM	31-Aug-19	Concrete Mix Design M25 PCC with Sidhee OPC-53 grade & BASF Admixture	QC Lab	Mr. M Chaurasiya	7500247026	
79	VKE-3/PIL/LAB/355	2:00 PM	31-Aug-19	Concrete Mix Design M35 RCC with Saurashtra OPC-53 grade & CAC Admixture	QC Lab			
80	VKE-3/PIL/LAB/356	2:30 PM	31-Aug-19	DLC Mix Design with Saurashtra OPC-53 grade	QC Lab			

Construction of Eight lane Vadodara Kim Expressway from Km 292.00 to Km 323.00 (Manubar to Sanpa Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)

Concessionaire: - PATEL Vadodara-Kim Expressway Pvt. Ltd.

EPC Contractor: - PATEL Infrastructure Ltd.



Months	Development Period	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Total Amount (Cr.)-Planned	-	21.5	26.90	85.49	85.18	84.99	30.43	30.55	38.01	46.72	46.28	46.41	77.12	131.64	154.83	155.00	147.50	61.61	46.07	38.60	39.12	30.71	44.05	30.23	30.78	15.33
Cum. Amount (Cr.) - Planned	-	21.5	48.36	133.85	219.03	304.01	334.45	364.99	403.0	449.73	496.01	542.41	619.53	751.17	906.0	1,061.0	1,208.5	1,270.1	1,316.2	1,354.8	1,393.9	1,424.6	1,468.7	1,498.9	1,529.7	1,545
Percentage	-	1.39%	3.13%	8.66%	14.18%	19.68%	21.65%	23.62%	26.08%	29.11%	32.10%	35.11%	40.10%	48.62%	58.64%	68.67%	78.22%	82.21%	85.19%	87.69%	90.22%	92.21%	95.06%	97.02%	99.01%	100.00%
Total Amount (Cr.)-Achieved	22.51	89.7	89.73	27.45	57.93	63.15	11.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amount (Cr.) - Achieved	22.51	43.5	117.4	144.82	202.75	265.89	277.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Percentage	-	2.81%	7.60%	9.37%	13.13%	17.21%	17.97%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Annexure-05 Utility Details

Details of Electrical Utilities						
A) Electric Pole and Transformer						
SR. NO.	CHAINAGE	From	To	TYPE	AFFECTED LENGTH	REMARKS
1	292+890	292+880	292+910	2/11 KV	30	Electric Pole and Line Crossing
2	292+930	292+885	292+975	6/11 KV	90	Electric Pole and Line Crossing
3	294+785	294+775	294+805	2/11 KV	30	Electric Pole and Line Crossing
4	294+880	294+760	295+000	6/11 KV	240	Electric Pole and Line Crossing
5	295+282	295+202	295+362	3/11 KV	160	Electric Pole and Line Crossing
6	295+510	295+475	295+545	4/11 KV	70	Electric Pole and Line Crossing
7	295+990	295+930	296+050	5/11 KV	120	Electric Pole and Line Crossing
8	300+520	300+365	300+675	6/11 KV	310	Electric Pole and Line Crossing
9	300+910	300+900	300+920	2/11 KV	20	Electric Pole and Line Crossing
10	301+330	301+285	301+375	2/11 KV	90	Electric Pole and Line Crossing
11	301+400	301+385	301+415	1/11 KV	30	Electric Line Crossing & transformer
12	301+940	301+930	301+950	2/11 KV	20	Electric Pole and Line Crossing
13	303+780	303+760	303+800	2/11 KV	40	Electric Pole and Line Crossing
14	304+050	304+015	304+085	2/11 KV	70	Electric Pole and Line Crossing
15	307+165	307+150	307+180	3/11 KV	30	Electric Pole and Line Crossing
16	307+193	307+178	307+208	2/11 KV	30	Electric Pole and Line Crossing
17	310+000	309+950	310+050	3/11 KV	100	Electric Pole and Line Crossing
18	311+540	311+450	311+630	2/11 KV	180	Electric Pole and Line Crossing
19	312+090	312+065	312+115	1/11 KV	50	Electric Pole and Line Crossing
20	312+695	312+665	312+725	3/11 KV	60	Electric Pole and Line Crossing
21	313+340	313+275	313+405	2/11 KV	130	Electric Pole and Line Crossing
22	313+370	313+335	313+405	1/11 KV	70	Electric Pole and Line Crossing
23	315+770	315+670	315+770	4/11 KV	100	Electric Pole and Line Crossing
24	315+950	315+895	316+005	1/11 KV	110	Electric Pole and Line Crossing
25	316+530	316+510	316+530	2/11 KV	20	Electric Pole and Line Crossing
26	318+600	318+500	318+600	3/11 KV	100	Electric Pole and Line Crossing
27	318+800	318+780	318+820	4/11 KV	40	Electric Pole and Line Crossing
28	318+840	318+825	318+855	2/11 KV	30	Electric Pole and Line Crossing
29	318+860	318+845	318+875	2/11 KV	30	Electric Pole and Line Crossing
30	319+000	318+985	319+015	2/11 KV	30	Electric Pole and Line Crossing
31	320+685	320+670	320+700	11 KV	30	Electric Pole and Line Crossing
32	320+690	320+665	320+715	11 KV	50	Electric Pole and Line Crossing
33	322+700	322+600	322+700	3/11 KV	100	Electric Pole and Line Crossing
34	322+880	322+865	322+895	11 KV	30	Electric Line Crossing & transformer
Total					2640	
B) GETCO High Tension Line						
35	296+415	296+375	296+455	1/66 KV	80	Getco HT line Crossing
36	300+100	300+070	300+120	220 KV	50	Getco HT line Crossing
37	300+390	300+350	300+430	1/220 KV	80	Getco HT line Crossing
38	308+200	308+160	308+240	2/66 KV	80	Getco HT line Crossing
39	308+400	308+460	308+580	1/66 KV	120	Getco HT line Crossing
40	312+270	312+120	312+420	1/400 KV	300	Getco HT line Crossing
Total					710	
Total Electric Hindrance					3350	

Details of Gas Pipe Lines							
SR. NO.	Chainage			SIDE	Length	TYPE	REMARKS
	C/L	From	To				
1	296+450	296+420	296+480	BHS	60	GAIL Gas Pipe line	
2	304+450	304+420	304+480	BHS	60	GAIL Gas Pipe line	
3	309+090	309+000	309+180	BHS	180	GAIL Gas Pipe line	
					300		

Details of SSNNL Canal						
SR. NO.	Chainage			Length	TYPE	REMARKS
	C/L	From	To			
1	294+750	294+735	294+765	30	MNB over luwara branch canal	
2	295+007	294+992	295+022	30	MNB over Tancha Disty. canal	
3	300+148	300+133	300+163	30	MNB over Simartha minor & Ghamnad canal	
4	301+247	301+232	301+262	30	MJB over Achhod Dis. & Danda minor canal	
5	301+500	301+485	301+515	30	BOX Structure	
6	306+230	306+215	306+245	30	BOX Structure	
7	307+709	307+694	307+724	30	BOX Structure	
8	307+734	307+699	307+769	70	BOX Structure	
9	307+789	307+774	307+804	30	BOX Structure	
10	309+030	309+015	309+045	30	BOX Structure	
11	309+840	309+825	309+855	30	BOX Structure	
12	309+853	309+828	309+878	50	BOX Structure	
13	309+892	309+877	309+907	30	BOX Structure	
14	313+075	313+060	313+090	30	BOX Structure	
15	313+815	313+790	313+840	50	BOX Structure	
16	315+247	315+232	315+262	30	BOX Structure	
17	316+582	316+567	316+597	30	BOX Structure	
18	318+612	318+597	318+627	30	BOX Structure	
19	318+858	318+803	318+913	110	BOX Structure	
			Total	730		

Project: Construction of Eight Lane Vadodara Kim Expressway from Km. 292+000 to Km. 323+000 (Manubar to Sanpa section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)

Name of EPC Contractor: Patel Infrastructure Ltd.

Progress Chart

Legend : Completed ■
 WIP ■
 Progress during Month ■

Major Structures

LHS	Deck Slab														
	Girder/Pedestal														
	Abu't / Pier Cap														
	Abut't / Pier/Wall														
	Footing/Pile Cap											1			
	Foundation PCC/Pile work											1			
	Excavation											1	1		
	Layout											1	1		
Chainage		314+850	315+870	316+563	317+100	317+650	318+275	318+875	319+580	320+330	320+825	321+280	321+700	322+550	
Type of Structure		PUP	PUP	LVUP	PUP	PUP	PUP	MIB	PUP	PUP	PUP	MIB	LVUP	PUP	
RHS	Layout												1	1	
	Excavation												1	1	
	Foundation PCC/Pile work												1		
	Footing/Pile Cap												1		
	Abut't / Pier/Wall														
	Abu't / Pier Cap														
	Girder/Pedestal														
	Deck Slab														

Project: Construction of Eight Lane Vadodara Kim Expressway from Km. 292+000 to Km. 323+000 (Manubar to Sanpa section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package Patel Infrastructure Ltd.

Name of EPC Contractor:
Progress Chart

Legend : ■ Completed
■ WIP
■ Progress during Month



Pipe Culvert


LHS	Chainage	Progress during Month																																					
		293+620	294+420	295+870	296+720	298+120	298+819	300+445	300+970	301+520	302+270	302+578	303+608	304+069	304+649	307+419	307+969	308+320	308+794	309+368	310+119	311+329	311+969	312+679	313+369	313+812	314+669	315+719	316+069	316+819	317+470	319+268	319+969	320+719	322+294	322+778			
Back Filling																																							
Collar joint																																							
Pipe Laying																																							
Foundation PCC																																							
Excavation																																							
Layout																																							
RHS	Layout																																						
	Excavation																																						
	Foundation PCC																																						
	Pipe Laying																																						
	Collar joint																																						
	Back Filling																																						

Project: Construction of Eight Lane Vadodara Kim Expressway from Km. 292+000 to Km. 323+000 (Manubar to Sanpa section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity

Name of EPC Contractor: Patel Infrastructure Ltd.

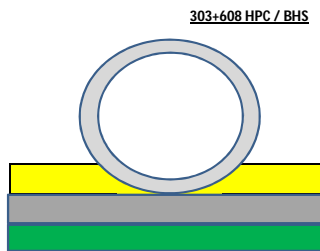
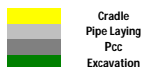
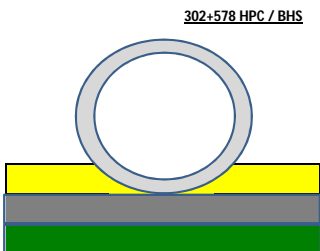
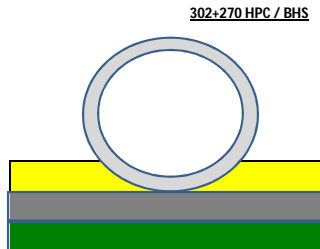
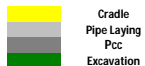
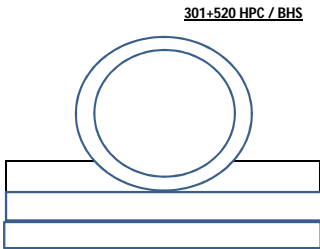
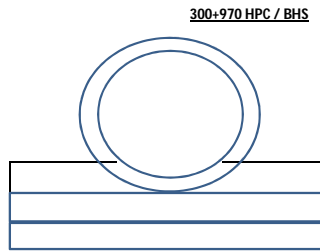
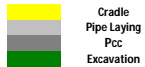
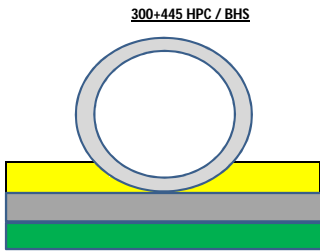
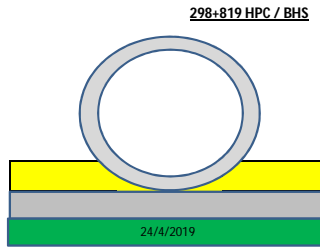
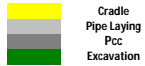
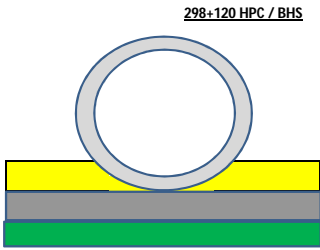
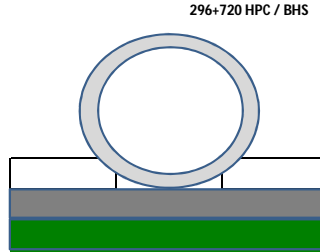
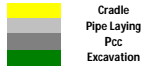
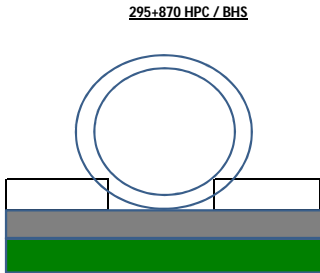
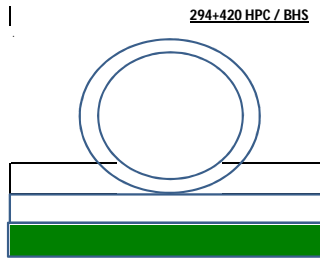
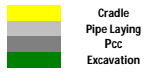
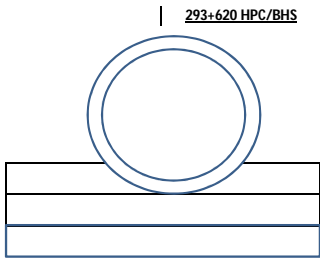
Progress Chart

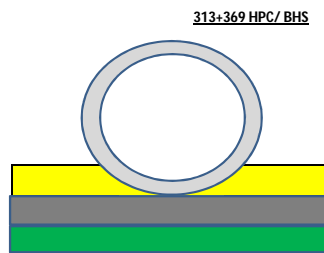
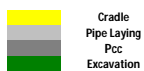
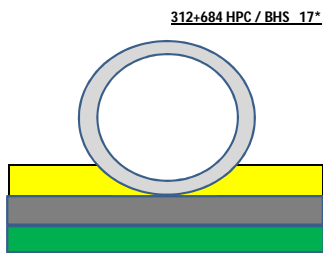
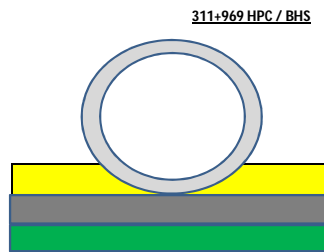
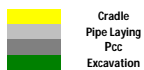
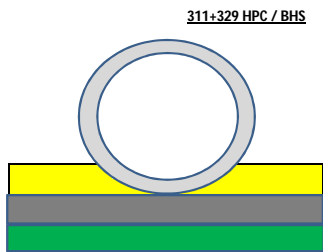
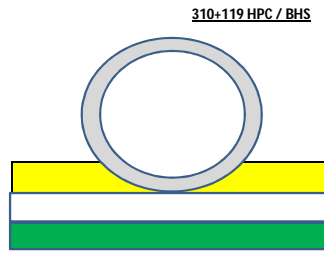
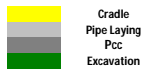
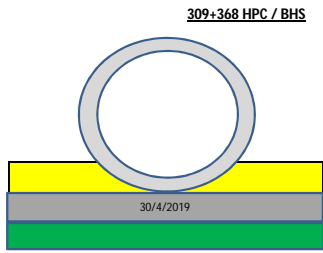
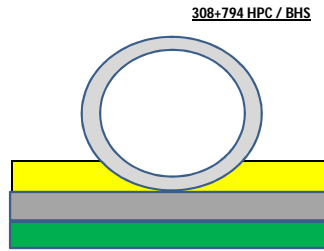
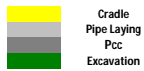
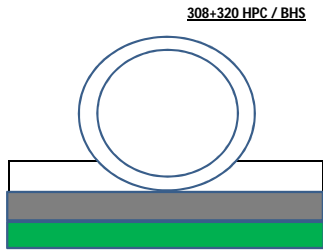
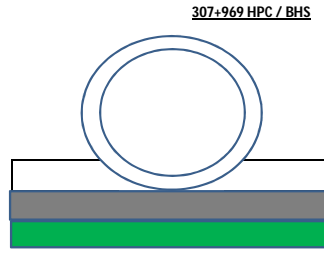
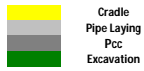
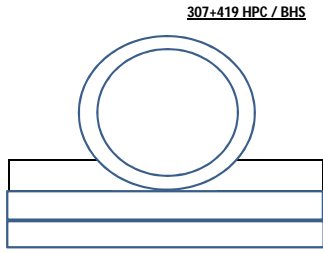
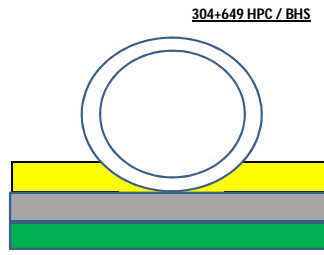
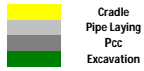
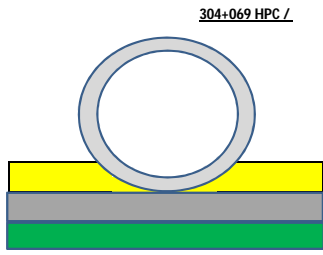
Legend : Completed 
WIP 

Progress during Month 

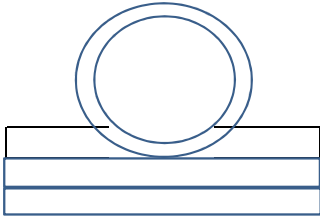
Box Culvert





		292+450	294+750	295+007	295+585	296+376	299+800	300+148	301+247	303+403	305+437	307+193	307+193	307+709	307+789	309+030	309+840	309+892	314+148	315+247	316+427	316+582	318+612	322+750	323+087	323+087	323+087	323+087
LHS	Crash Barrier																											
	RE / Wing Wall									1	1								1									
	Deck Slab									1	1								1									
	Wall							1		1	1								1									
	Raft							1		1	1								1									
	Foundation PCC							1		1	1								1			1						
	Excavation				1			1		1	1								1			1						
	Layout				1			1		1	1								1			1			1			
Chainage		292+450	294+750	295+007	295+585	296+376	299+800	300+148	301+247	303+403	305+437	307+193	307+193	307+709	307+789	309+030	309+840	309+892	314+148	315+247	316+427	316+582	318+612	322+750	323+087	323+087	323+087	323+087
RHS	Layout				1			1		1	1								1					1				
	Excavation				1			1		1	1								1			1						
	Foundation PCC							1		1	1								1			1						
	Raft							1		1	1								1									
	Wall							1		1	1								1									
	Deck Slab										1	1							1									
	RE / Wing Wall											1							1									
	Crash Barrier																											



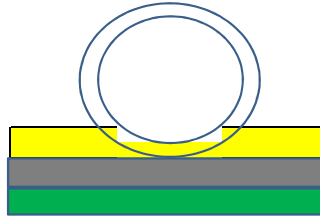


313+790 HPC / BHS 36°

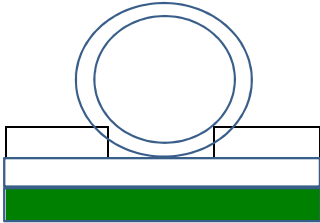






 Cradle
 Pipe Laying
 Pcc
 Excavation

314+669 HPC/ BHS

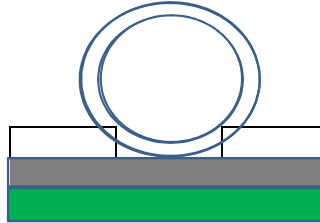


315+719 HPC/BHS

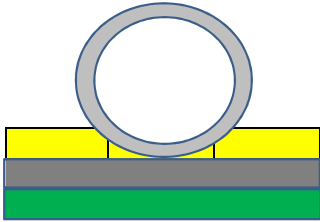






 Cradle
 Pipe Laying
 Pcc
 Excavation

316+069 HPC/BHS

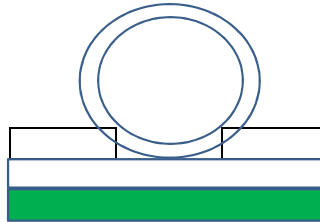


316+819 HPC/BHS

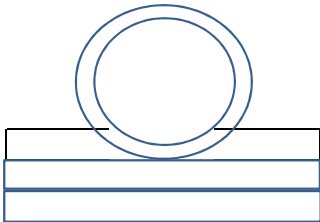






 Cradle
 Pipe Laying
 Pcc
 Excavation

317+470 HPC/BHS

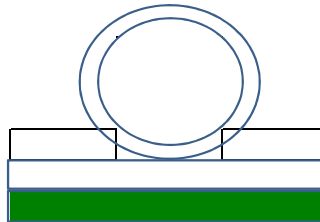


319+268 HPC/BHS

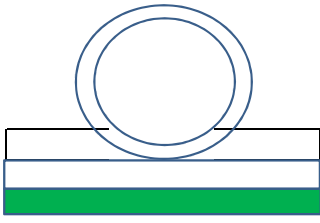






 Cradle
 Pipe Laying
 Pcc
 Excavation

322+294 HPC/BHS

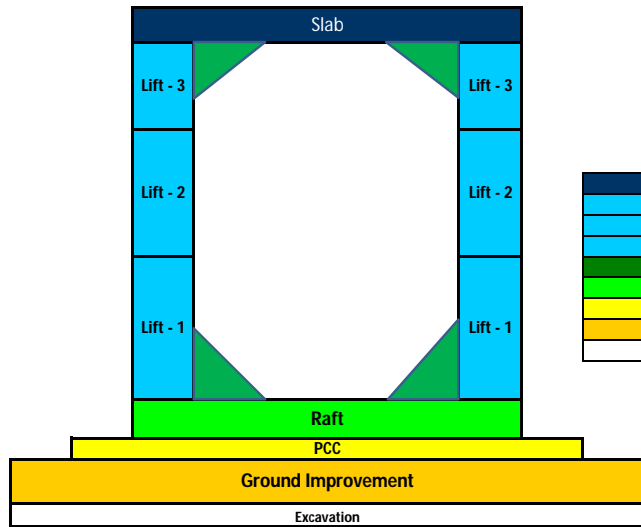


322+778 HPC/BHS



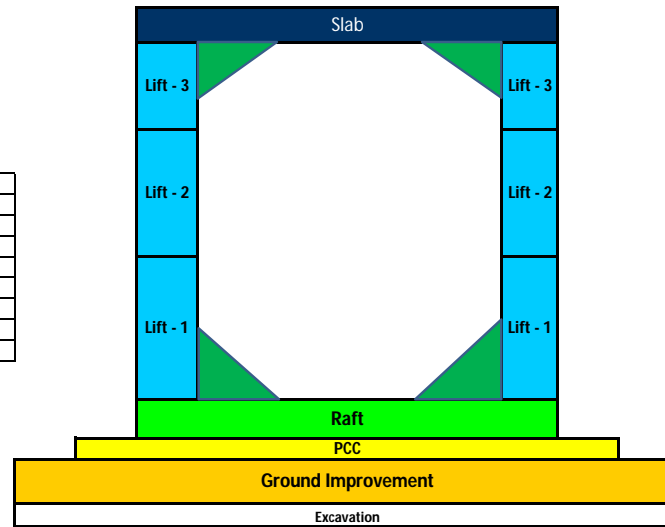
 Cradle
 Pipe Laying
 Pcc
 Excavation

BOX CULVERT' - CH: 314+148 (RHS)

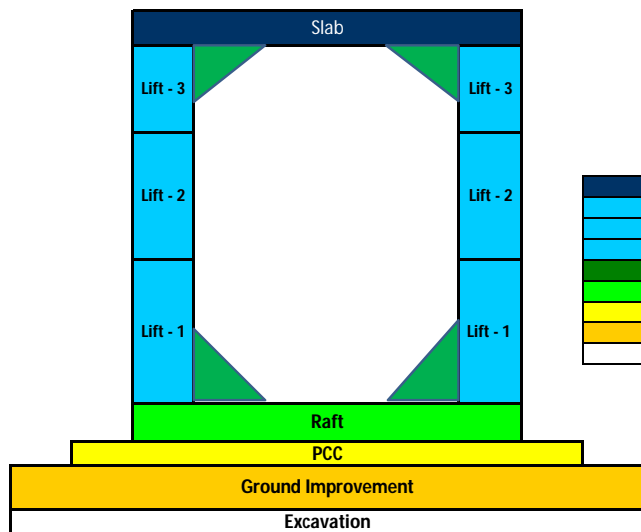


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Haunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH: 314+148 (LHS)

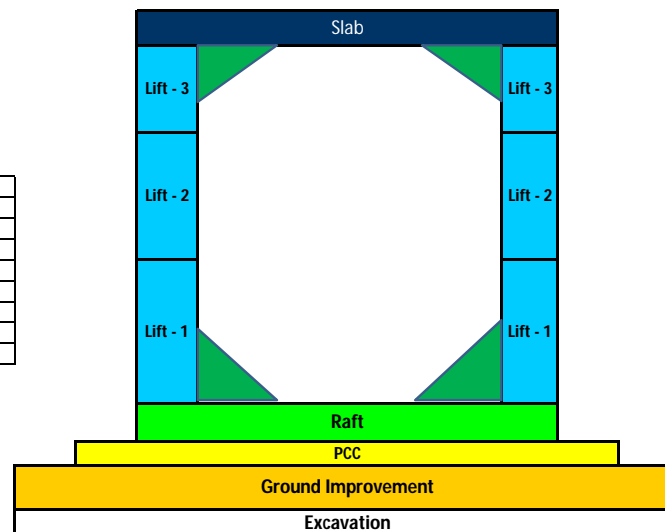


BOX CULVERT' - CH: 303+403 (RHS)

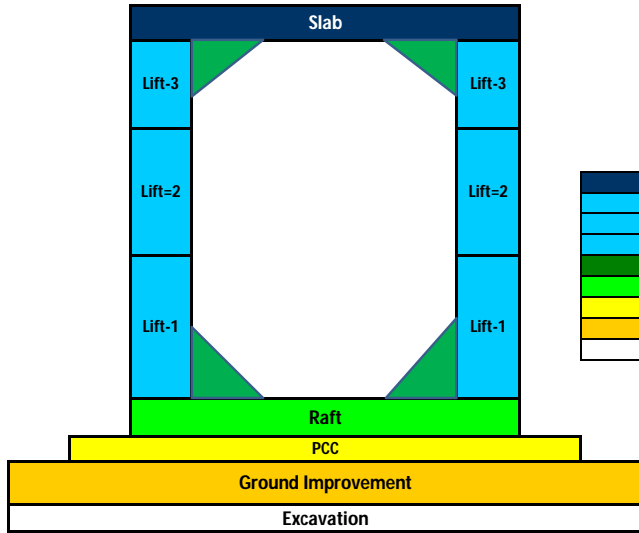


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Haunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH: 303+403 (LHS)

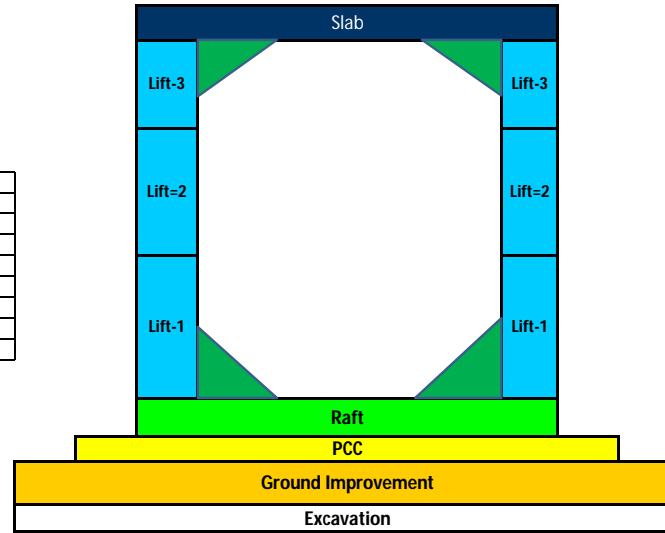


BOX CULVERT' - CH: 305+437 (RHS)

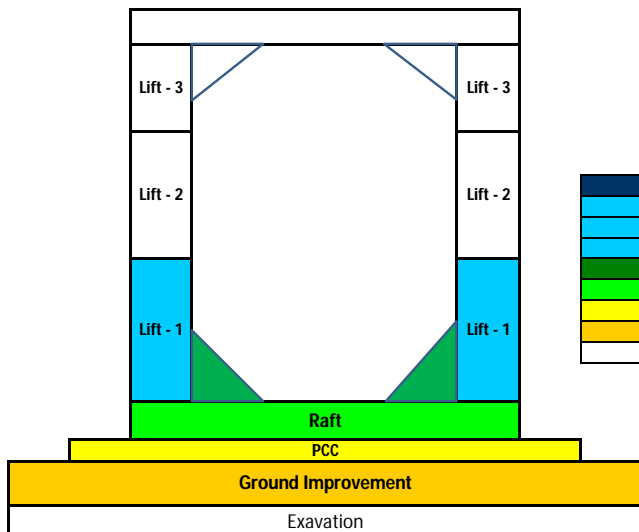


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Haunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH:305+437 (LHS)

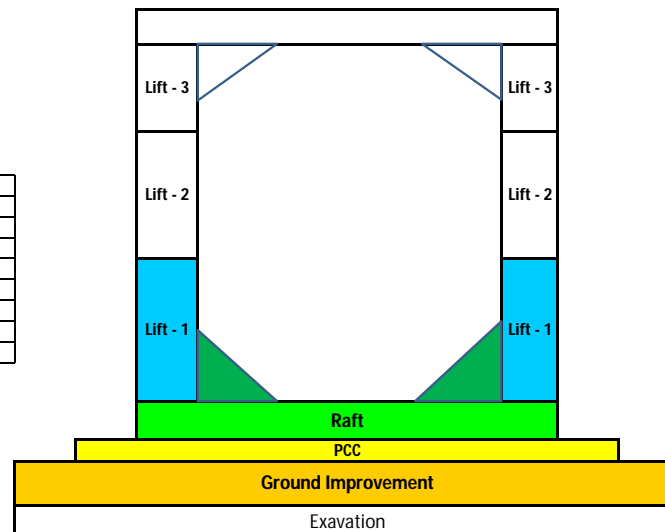


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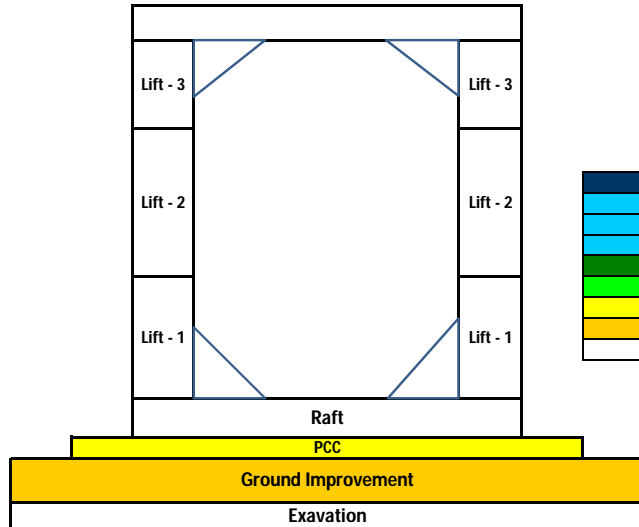


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Haunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH:300+148 (LHS)

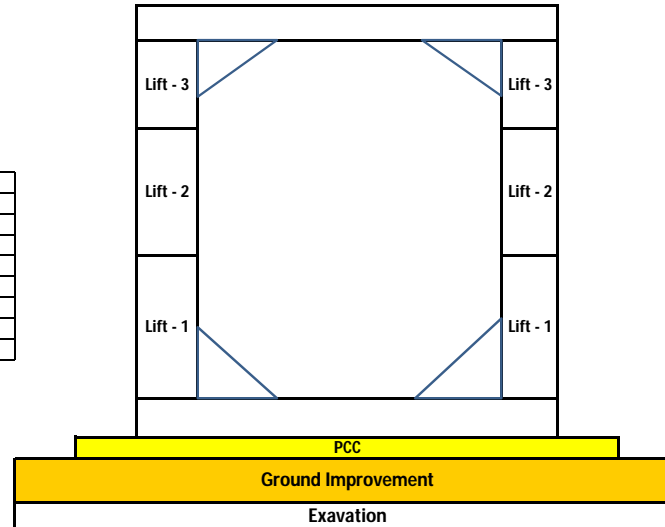


BOX CULVERT' - CH: 316+420 (RHS)

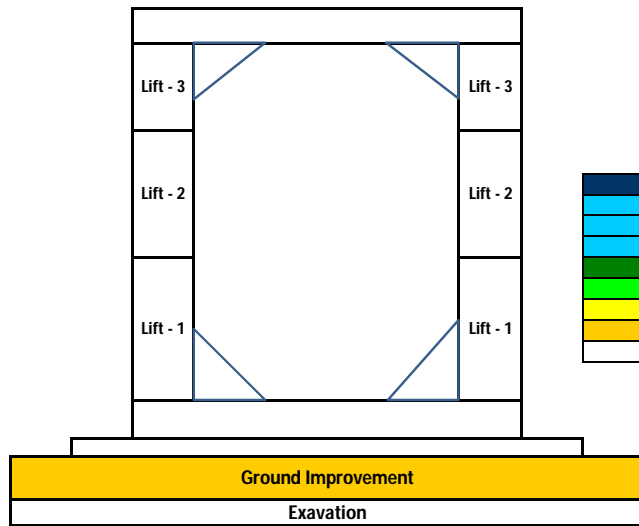


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Lightest Blue	Lift-1
Green	Haunch
Yellow-Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH: 316+420 (LHS)

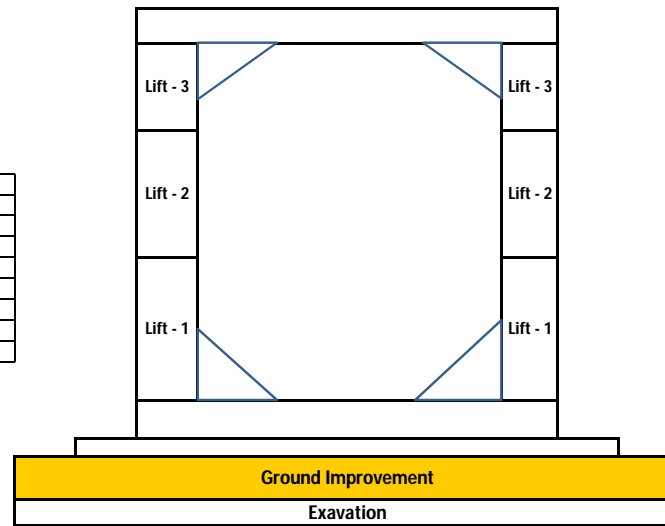


BOX CULVERT' - CH: 295+585 (RHS)



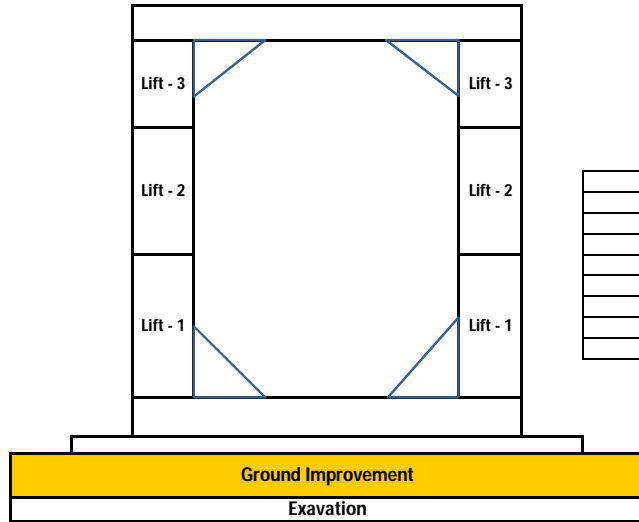
Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Lightest Blue	Lift-1
Green	Haunch
Yellow-Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

BOX CULVERT' - CH: 295+585 (LHS)

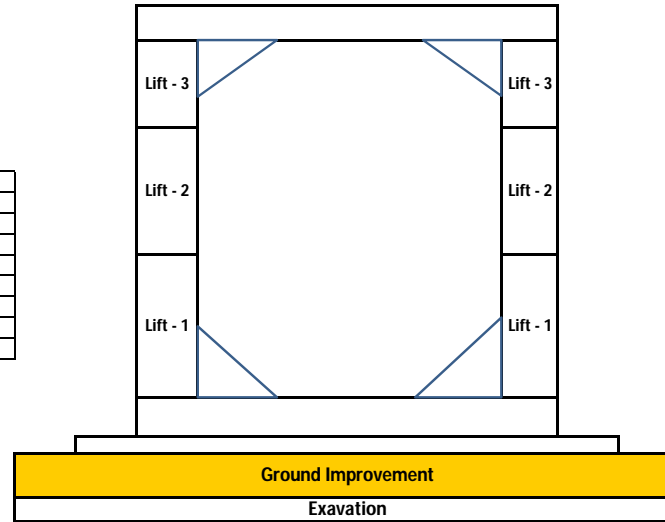


BOX CULVERT' - CH: 322+750 (RHS)

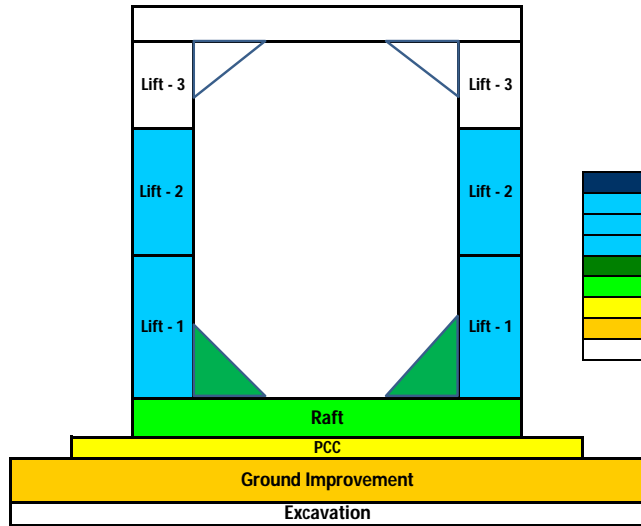
BOX CULVERT' - CH: 322+750 (LHS)



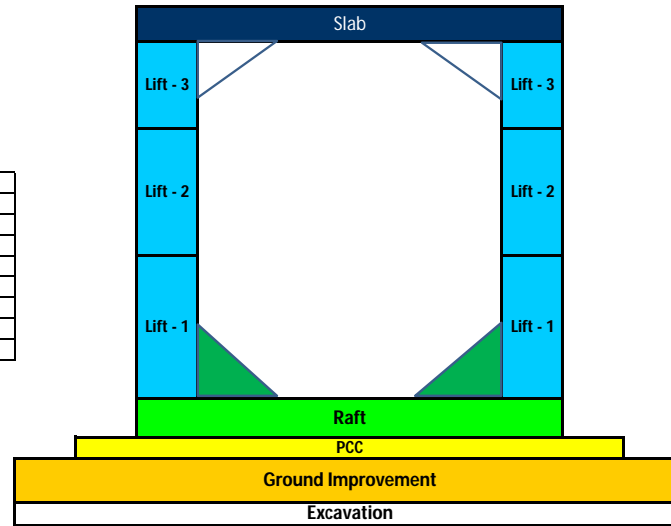
	Slab
	Lift-3
	Lift-2
	Lift-1
	Hunch
	Raft
	PCC
	Excavation
	Work not started



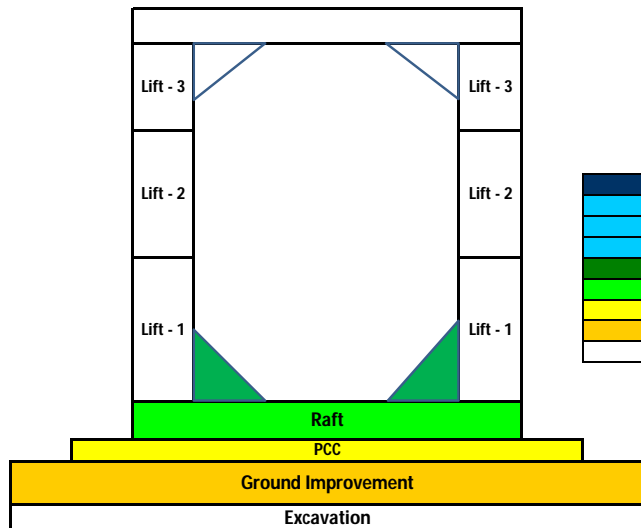
PUP' - CH: 304+170 (RHS)



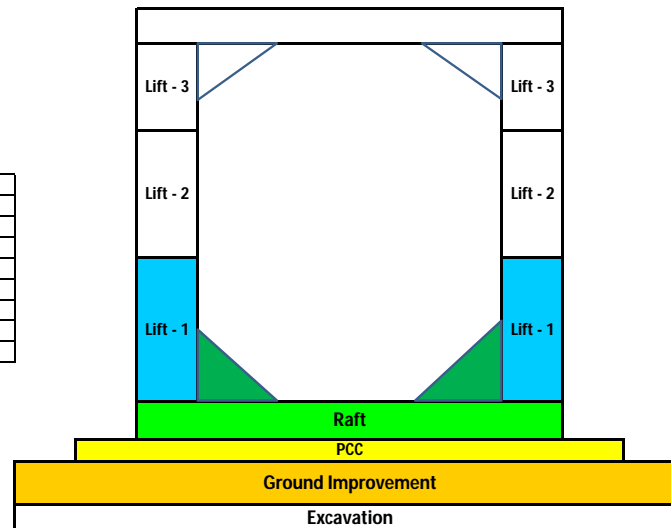
PUP' - CH: 304+170 (LHS)



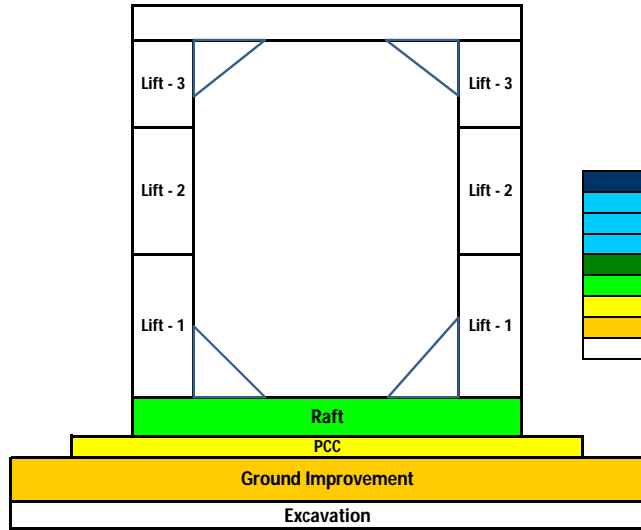
PUP - CH: 305+058 (RHS)



PUP - CH: 305+058 (LHS)

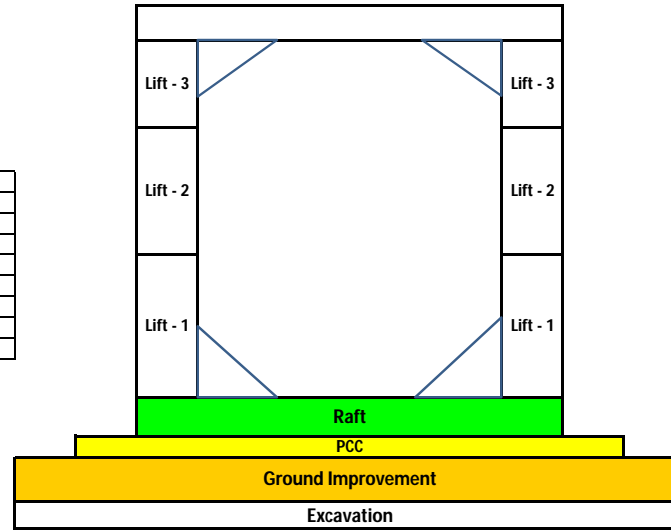


PUP' - CH: 309+550 (RHS)

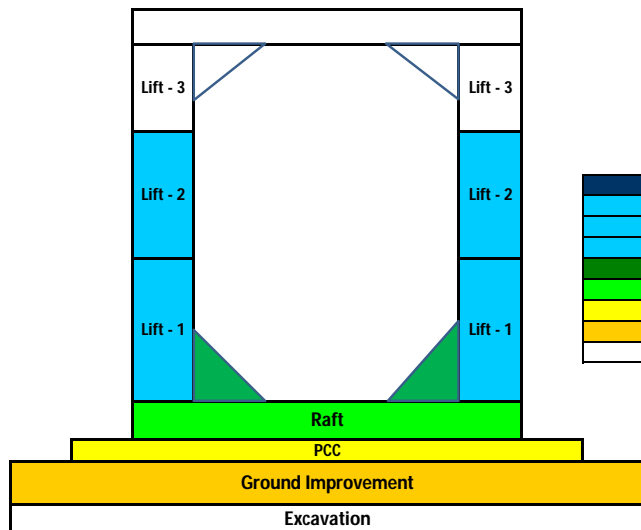


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Hunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

PUP - CH:309+550 (LHS)

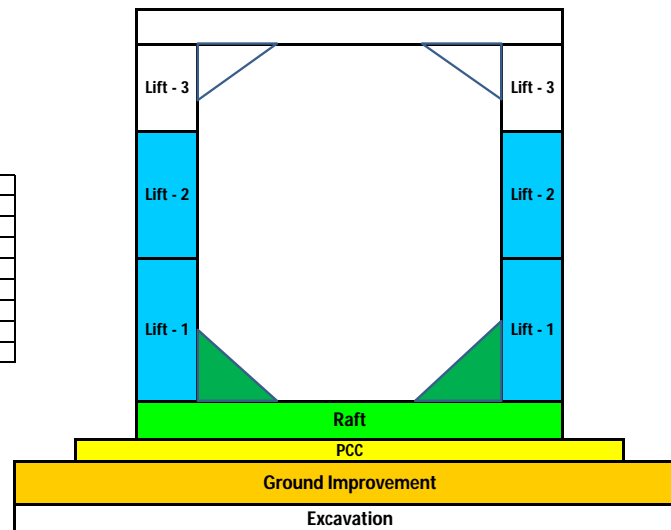


PUP-297+900(RHS)

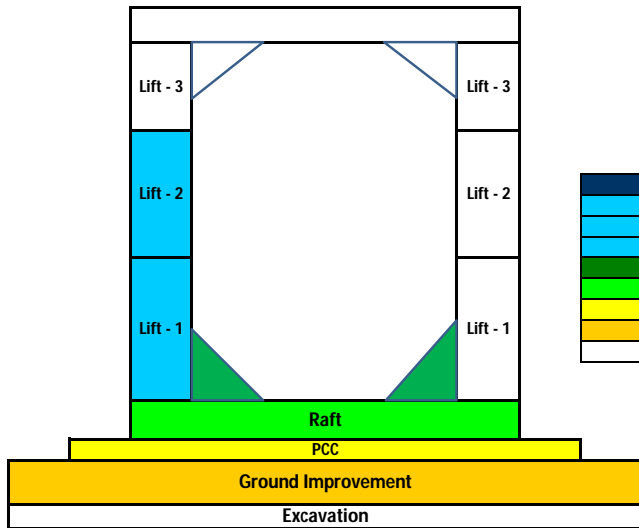


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Hunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

PUP-297+900(LHS)

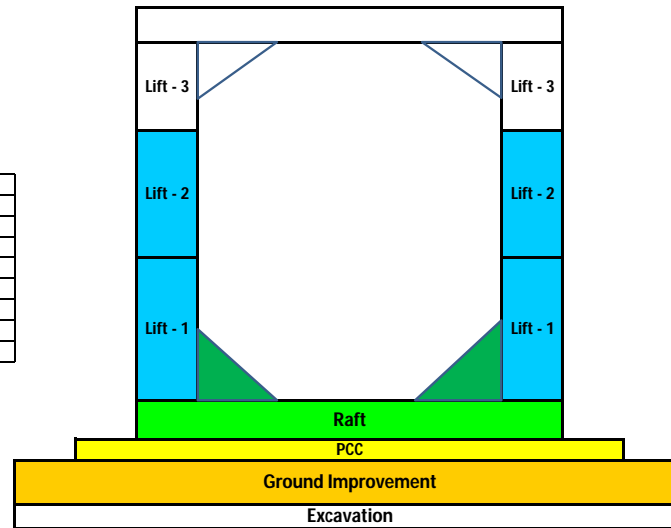


PUP-298+380(RHS)

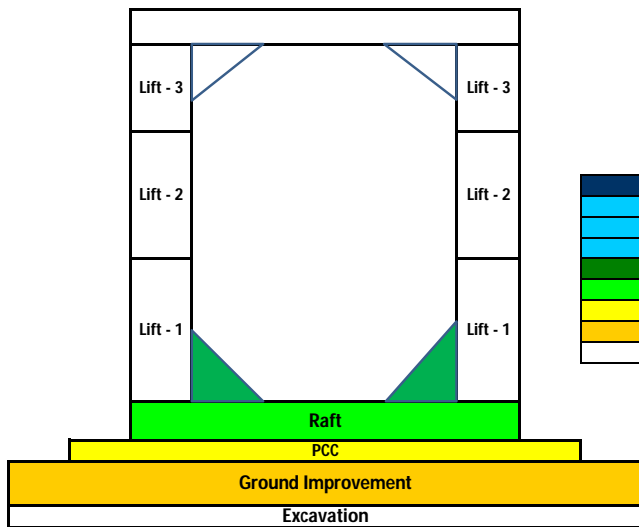


Slab
Lift-3
Lift-2
Lift-1
Hunch
Raft
PCC
GI
Excavation

PUP-298+380(LHS)

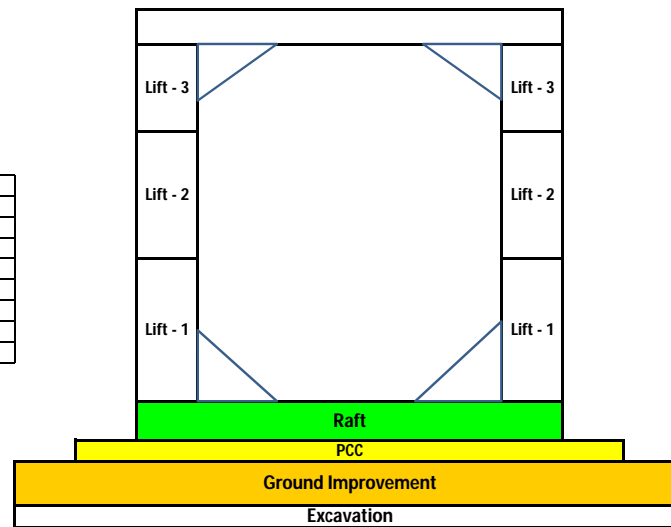


PUP-311+650 (RHS)

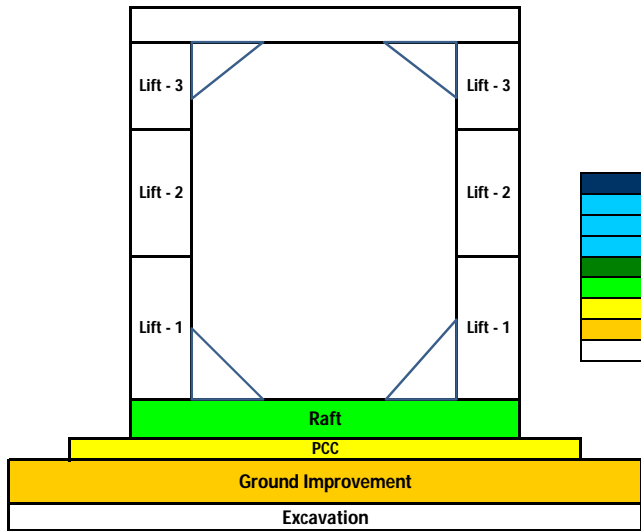


Slab
Lift-3
Lift-2
Lift-1
Hunch
Raft
PCC
GI
Excavation

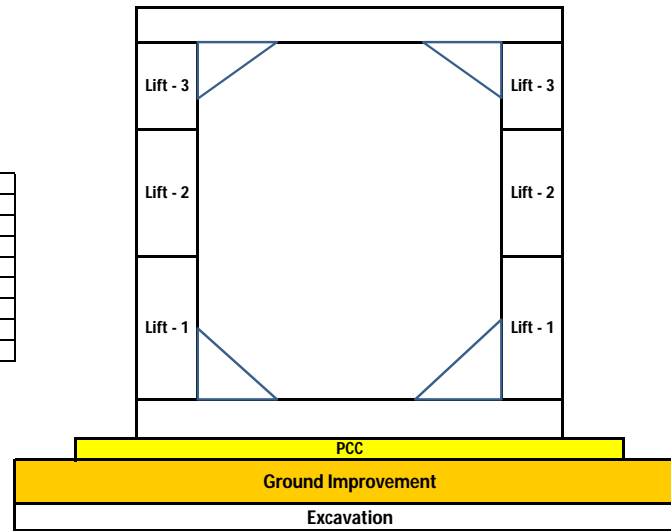
PUP-311+650 (LHS)



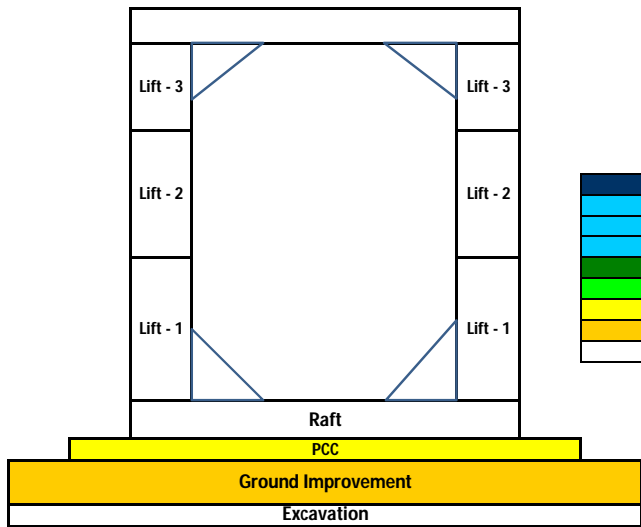
PUP-305+850 (RHS)



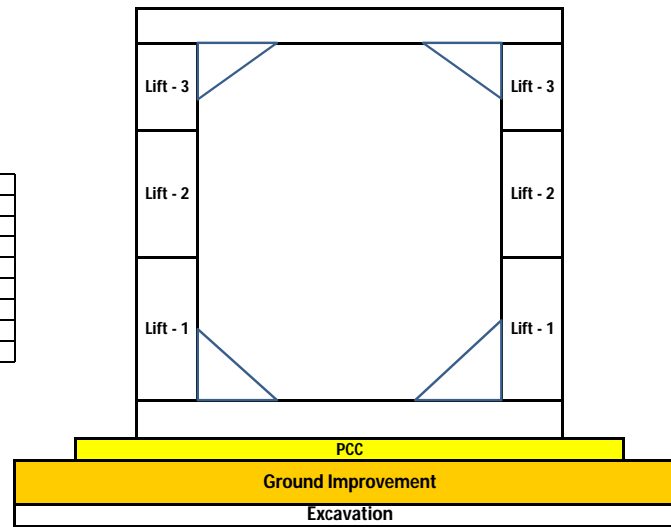
PUP-305+850 (LHS)



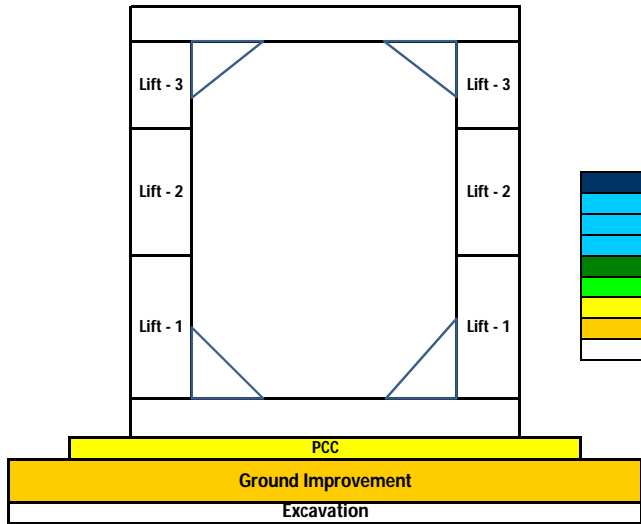
PUP-295+151 (RHS)



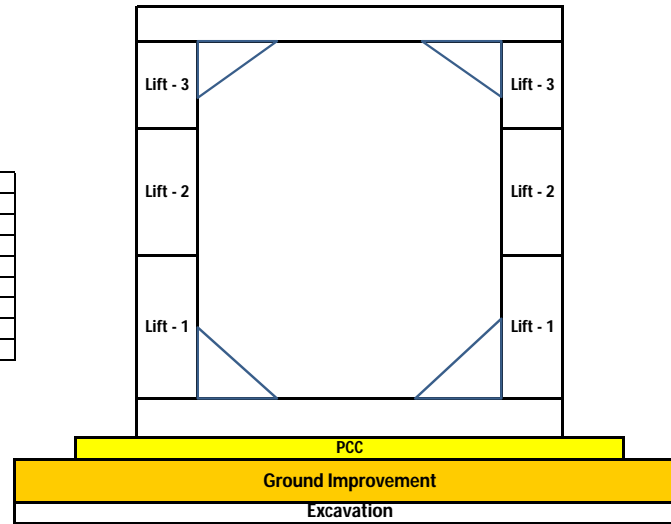
PUP 295+151 (LHS)



PUP-303+220 (RHS)

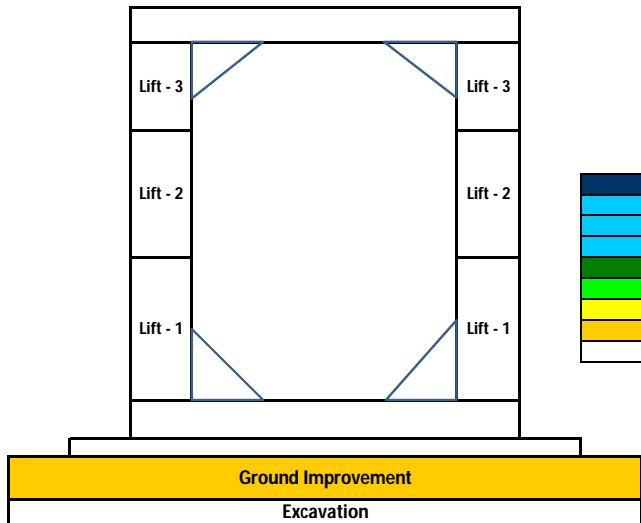


PUP 303+220 (LHS)

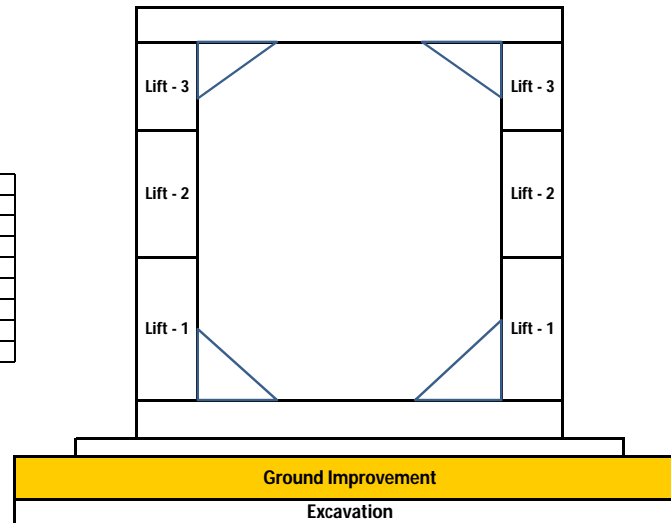


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Cyan	Lift-1
Green	Hunch
Yellow-Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

PUP-310+480 (RHS)

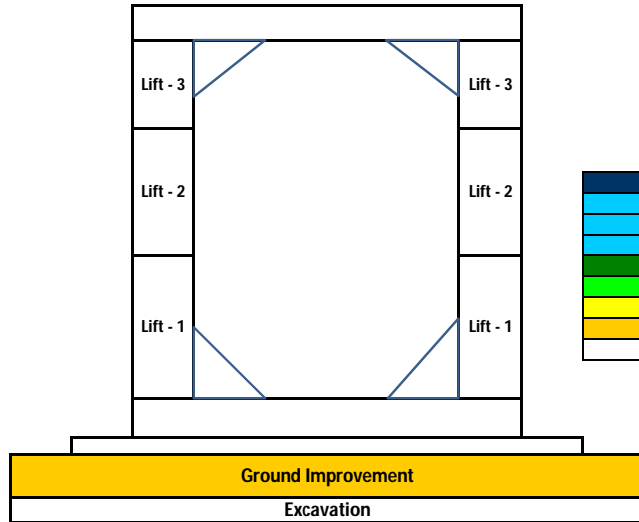


PUP 310+480 (LHS)



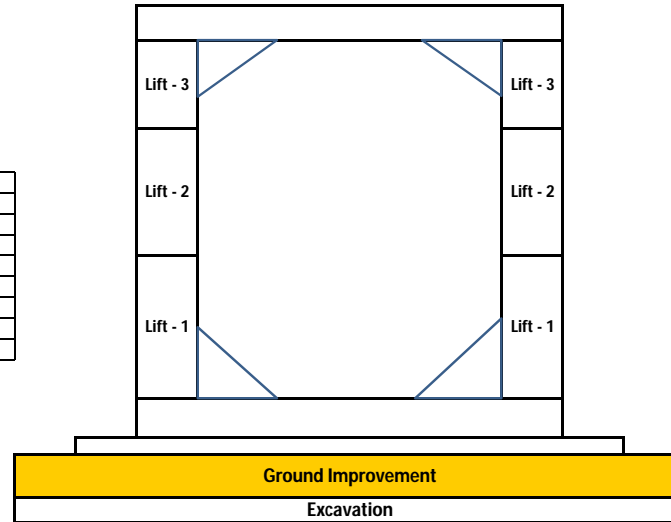
Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Cyan	Lift-1
Green	Hunch
Yellow-Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

PUP-312+280 (RHS)

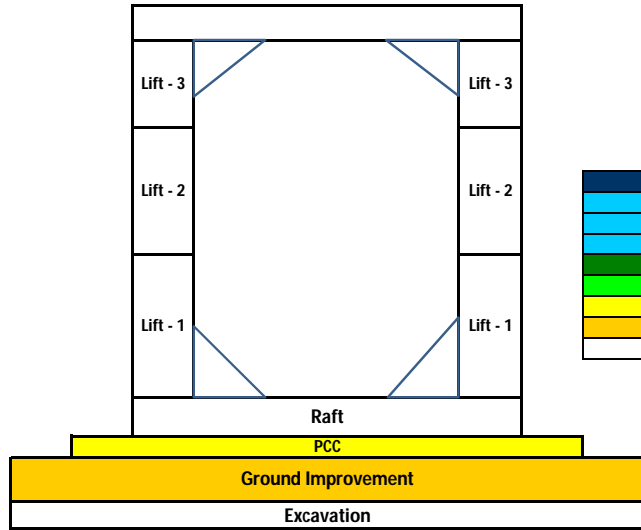


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Cyan	Lift-1
Green	Hunch
Light Green	Raft
Yellow	PCC
Orange	Excavation
White	Work not started

PUP 312+280 (LHS)

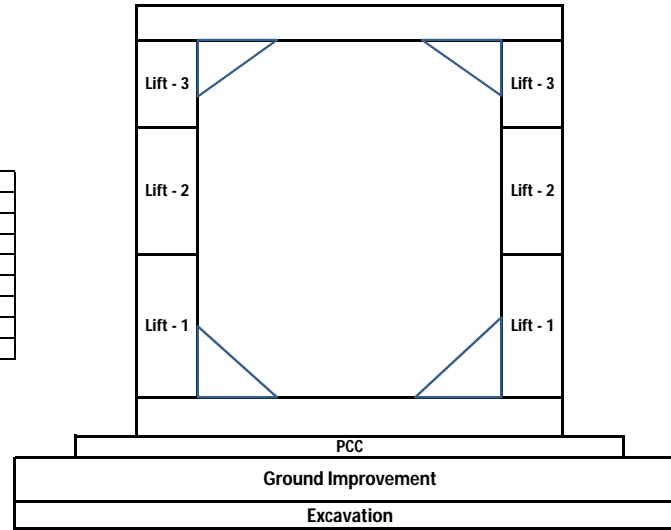


VUP' - CH: 303+830 (RHS)

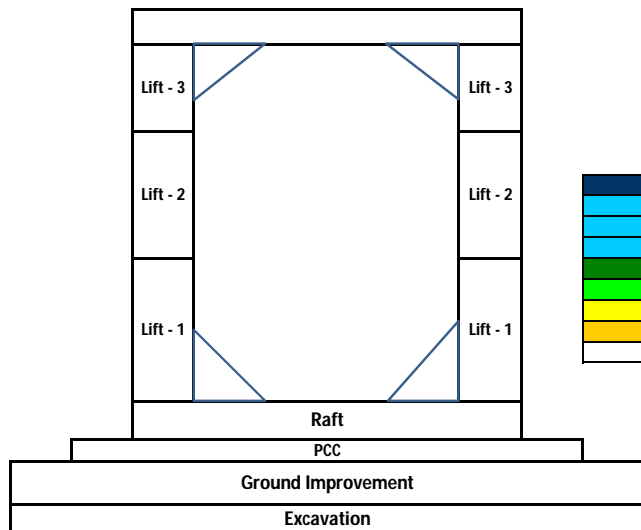


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Hunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

VUP' - CH: 303+830 (LHS)

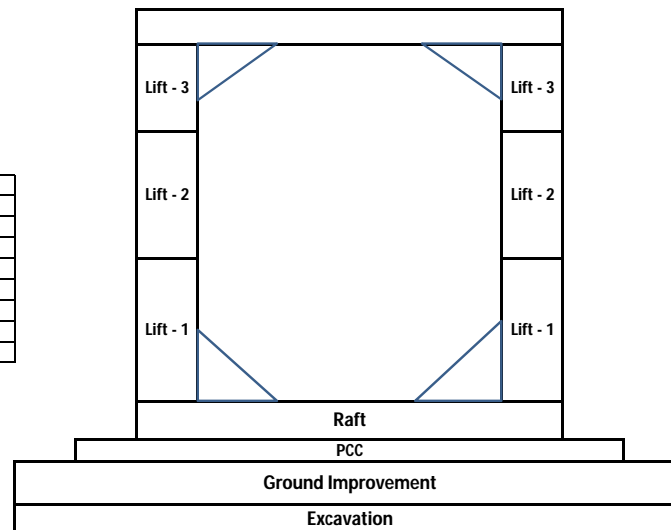


VUP' - CH: 312+720 (RHS)

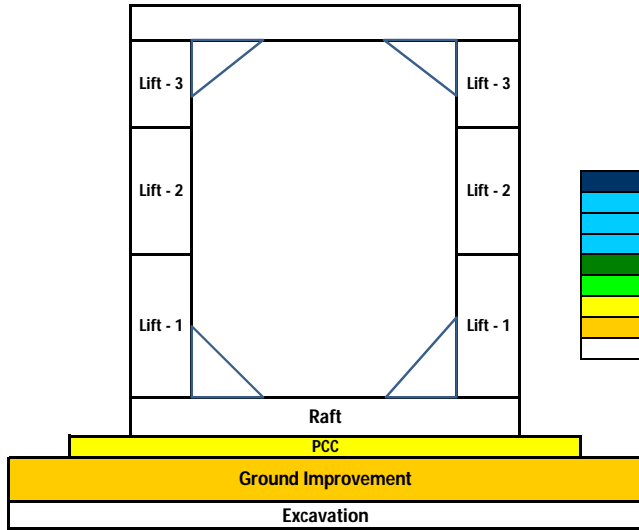


Dark Blue	Slab
Light Blue	Lift-3
Medium Blue	Lift-2
Light Blue	Lift-1
Green	Hunch
Light Green	Raft
Yellow	PCC
Orange	GI
White	Excavation

VUP' - CH: 312+720 (LHS)

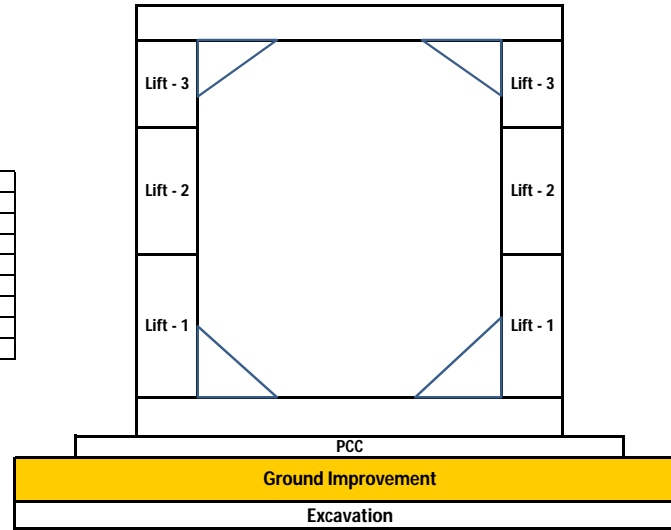


LVUP' - CH: 311+047 (RHS)

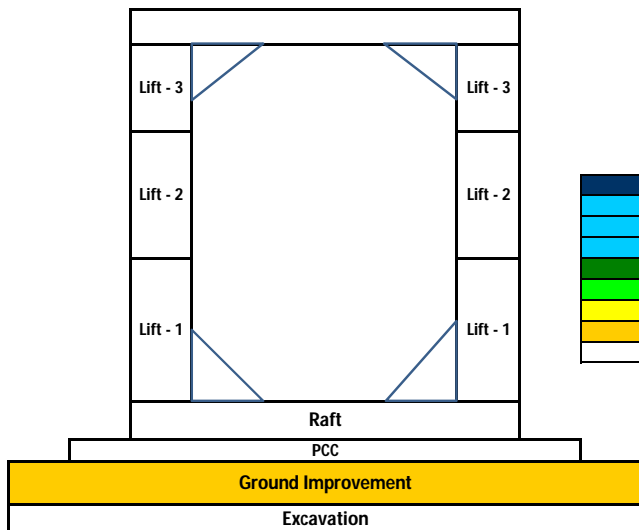


Slab
Lift-3
Lift-2
Lift-1
Hunch
Raft
PCC
GI
Excavation

LVUP - CH:311+047 (LHS)

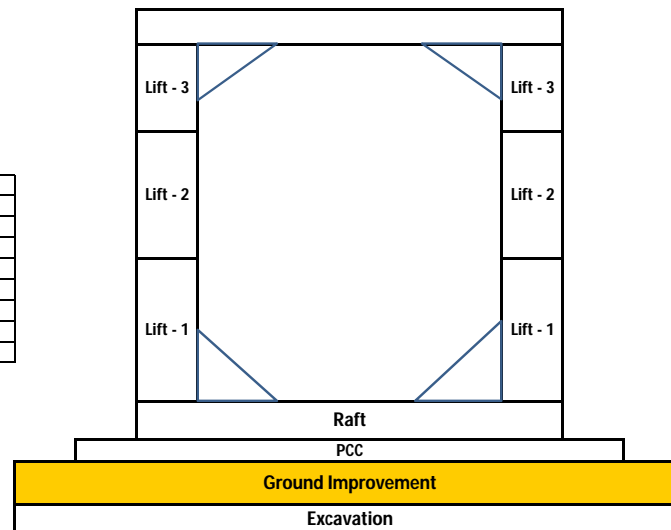


LVUP-321+695 (RHS)

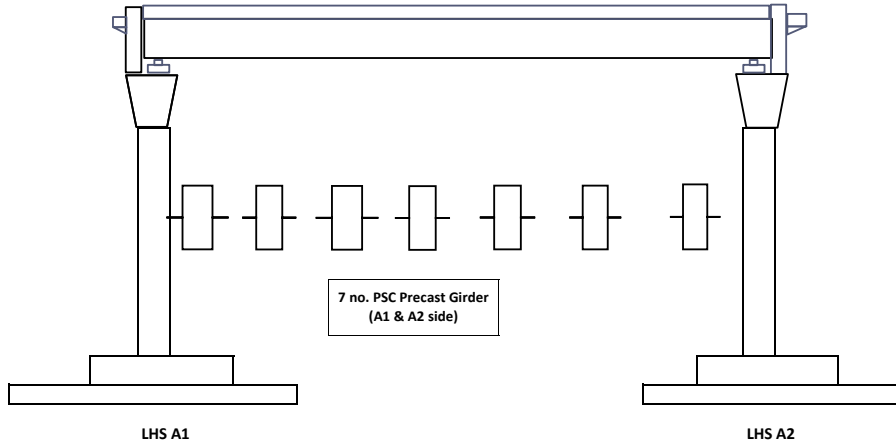


Slab
Lift-3
Lift-2
Lift-1
Hunch
Raft
PCC
GI
Excavation

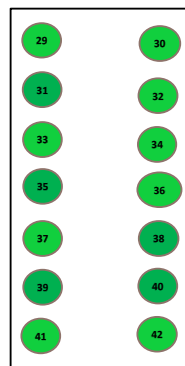
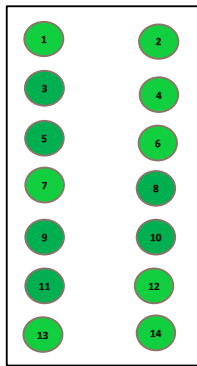
LVUP-321+695 (LHS)



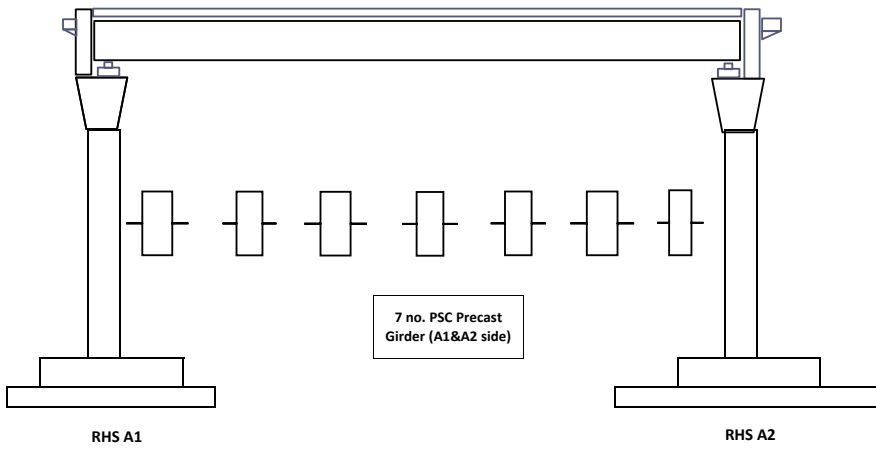
MNB -CH:297+562 (LHS)



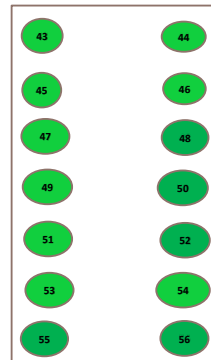
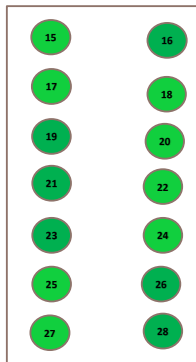
	Slab
	PSC Girder
	RCC Girder
	Dirt Wall
	Pedestal
	Abutment Cap
	Final lift
	Lift-4
	Lift-3
	Lift-2
	Lift-1
	Pile cap
	Pile Cap PCC
	Pile
	Excavation
	Work not started



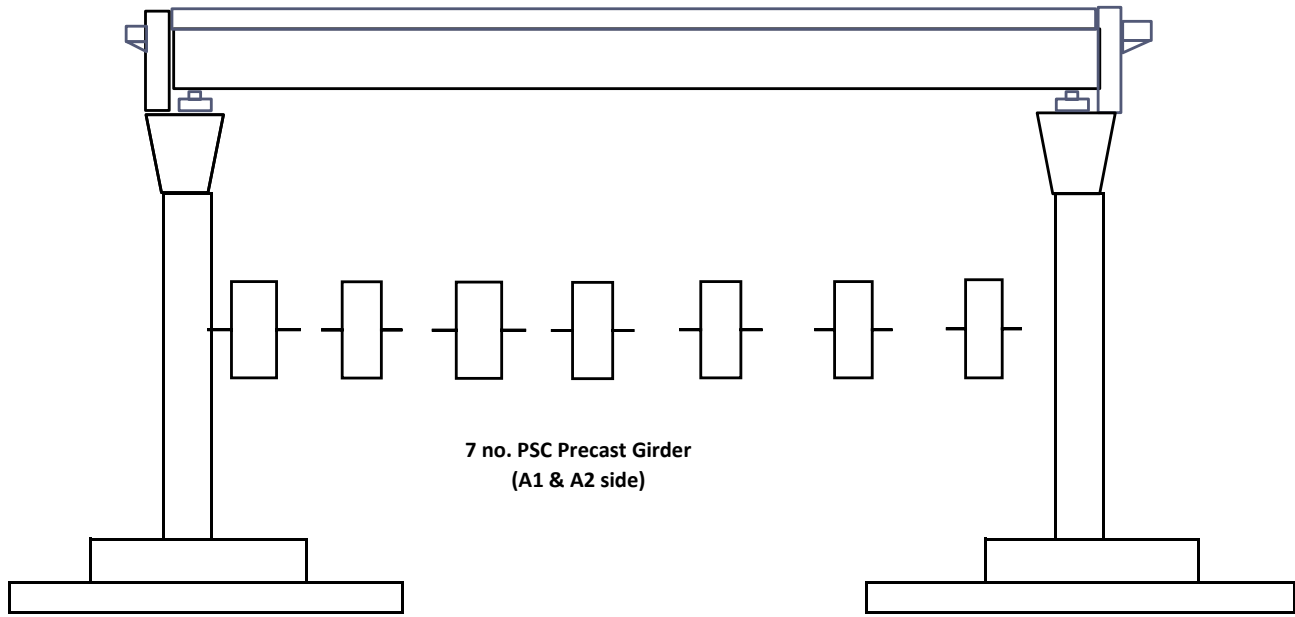
MNB -CH: 297+562 (RHS)



	Slab
	PSC Girder
	RCC Girder
	Dirt Wall
	Pedestal
	Abutment Cap
	Final lift
	Lift-4
	Lift-3
	Lift-2
	Lift-1
	Pile cap
	Pile Cap PCC
	Pile
	Excavation
	Work not started

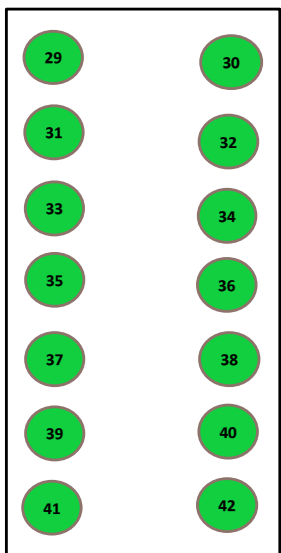
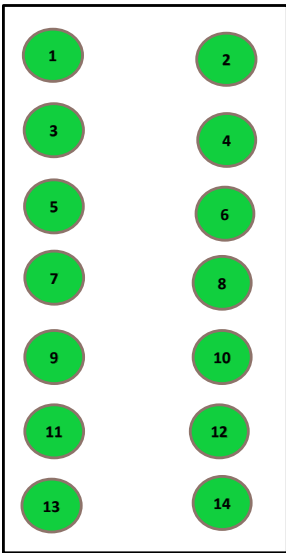


MNB - CH:307+733 (LHS)



LHS A1

LHS A2

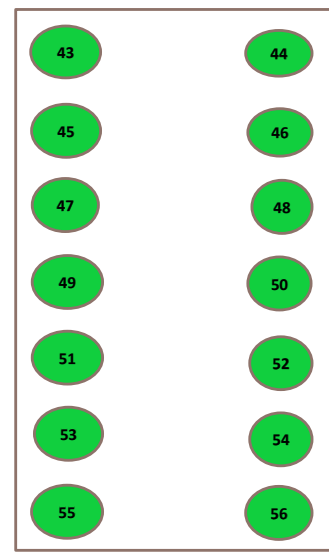
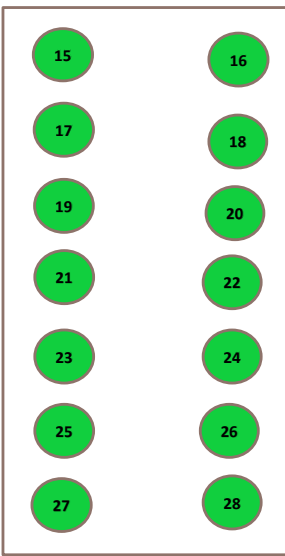
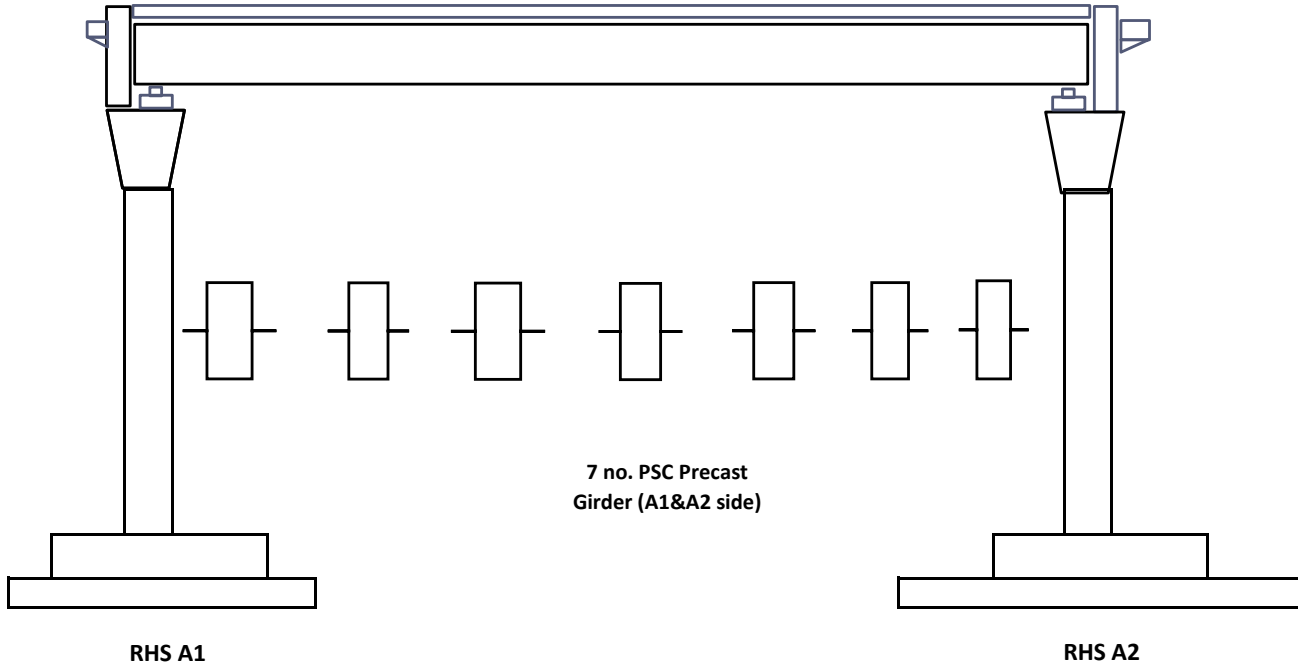


	Slab
	PSC Girder
	RCC Girder
	Dirt Wall
	Pedestal
	Abutment Cap
	Final lift
	Lift-4
	Lift-3
	Lift-2
	Lift-1
	Pile cap
	Pile Cap PCC
	Pile
	Excavation
	Work not started

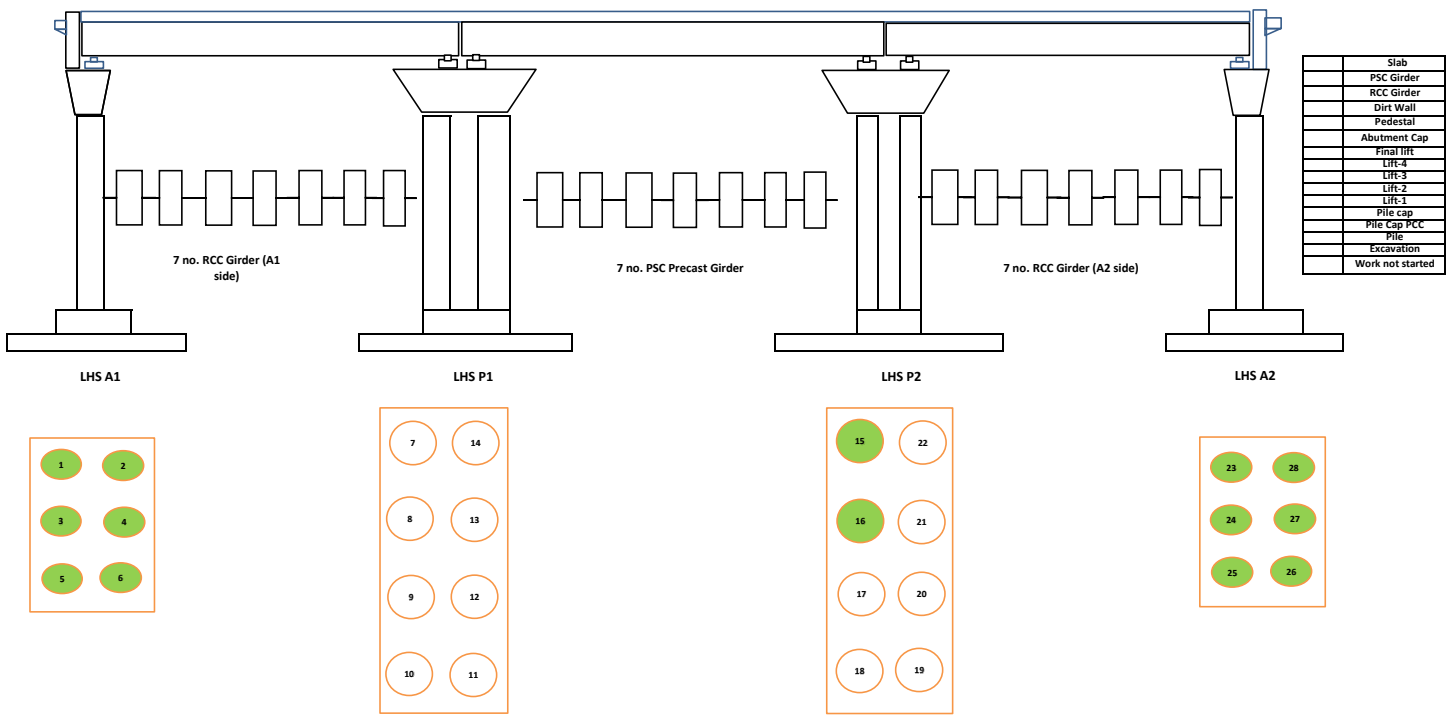
MNB - CH: 307+733 (RHS)

Date:3/5/2019

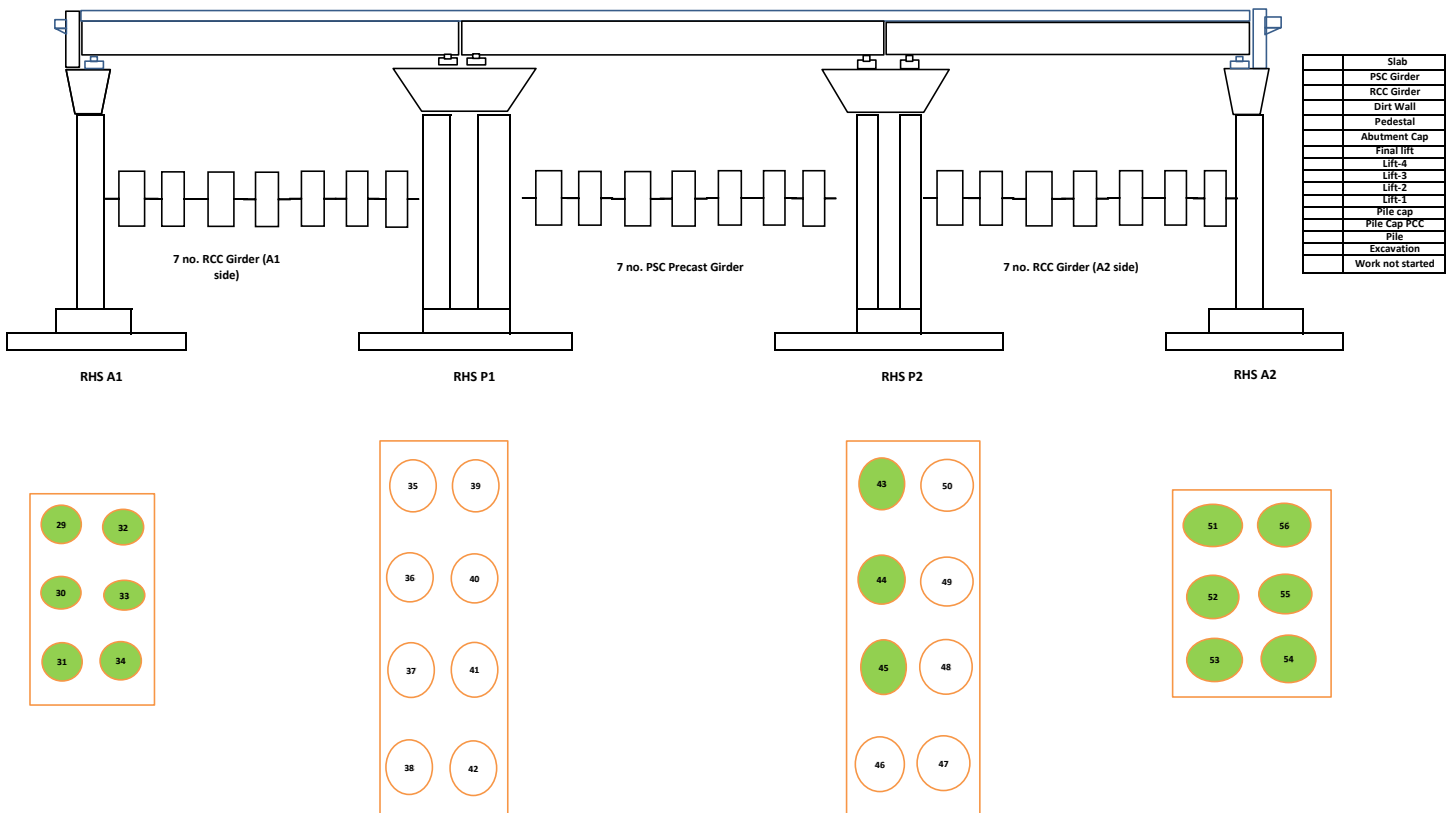
	Slab
	PSC Girder
	RCC Girder
	Dirt Wall
	Pedestal
	Abutment Cap
	Final lift
	Lift-4
	Lift-3
	Lift-2
	Lift-1
	Pile cap
	Pile Cap PCC
	Pile
	Excavation
	Work not started

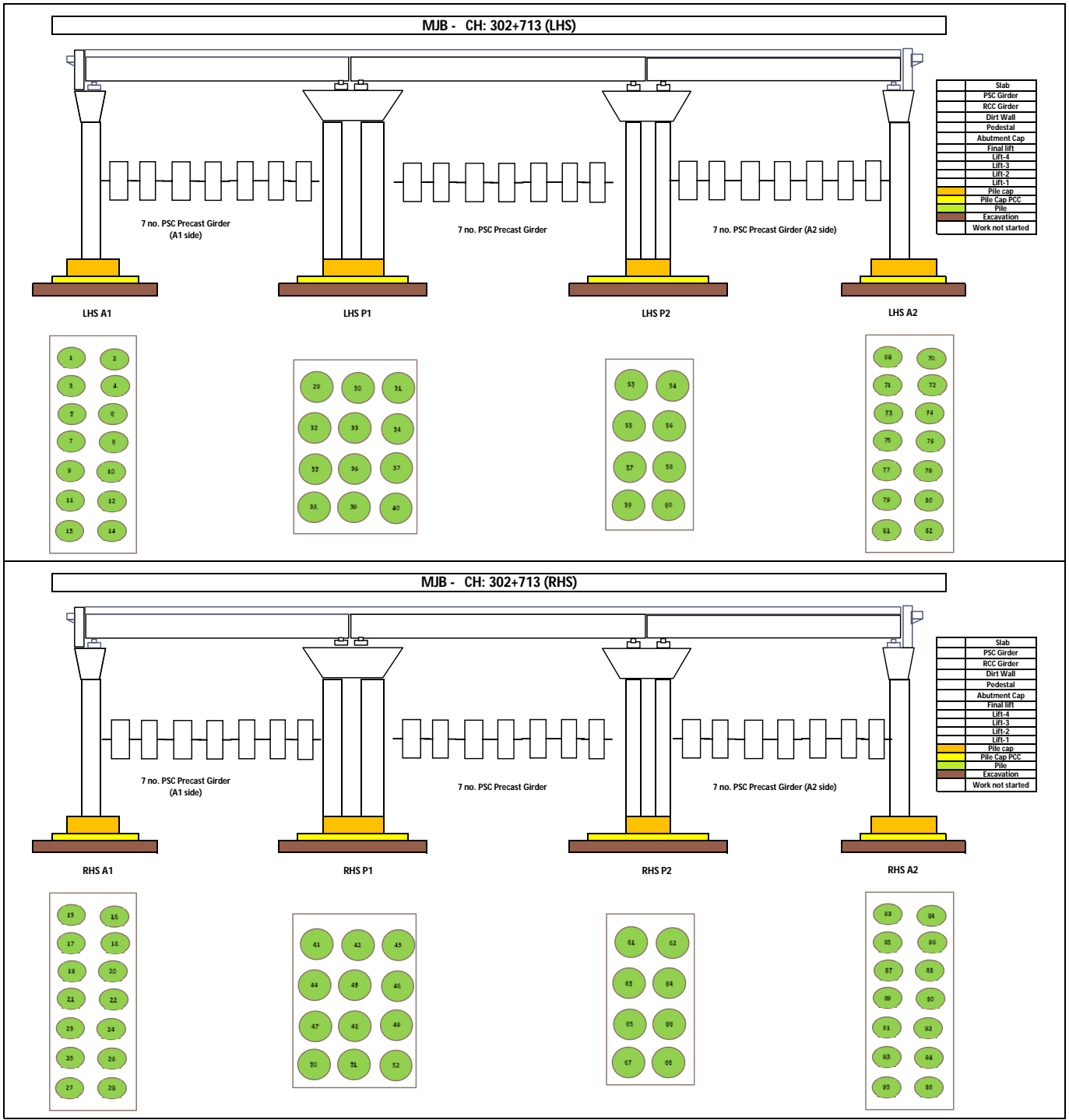


FO - CH: 299+354 (LHS)

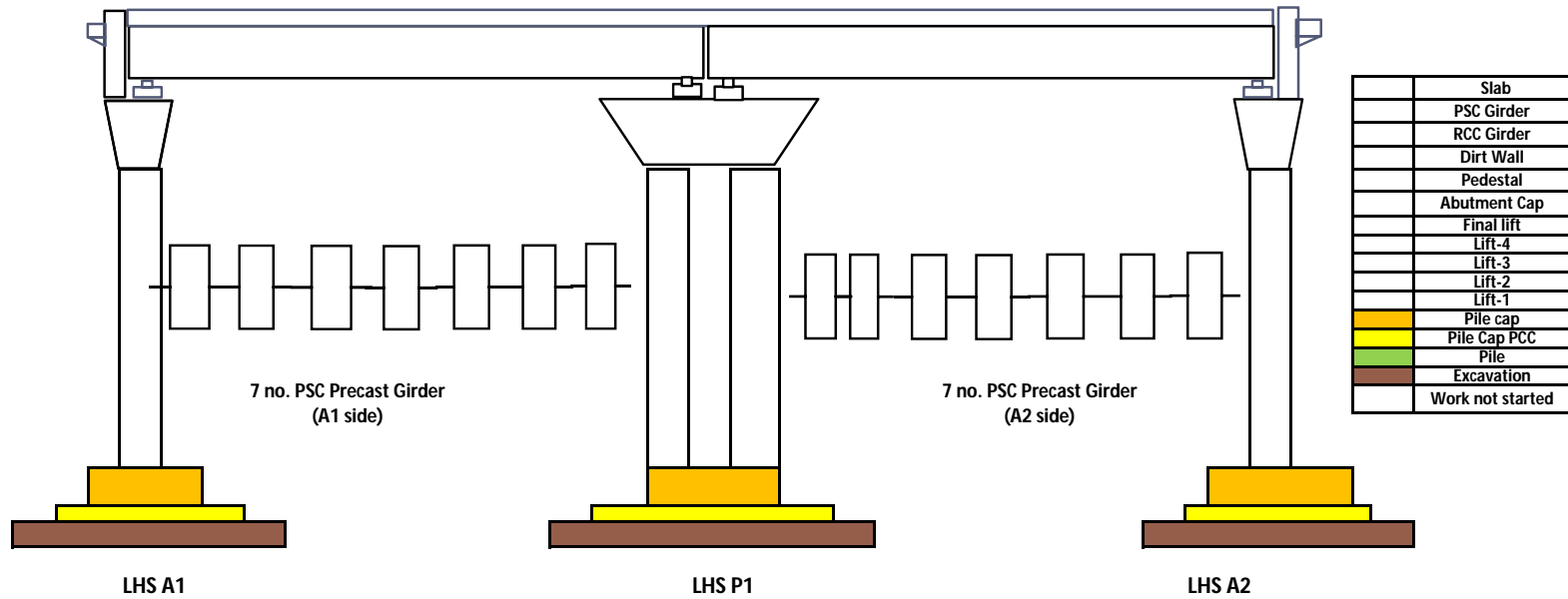


FO - CH: 299+354 (RHS)





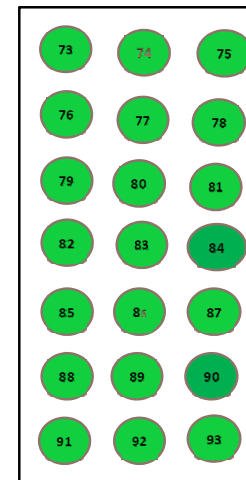
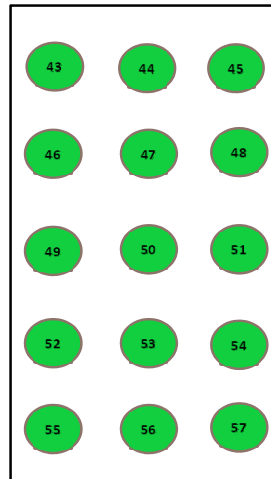
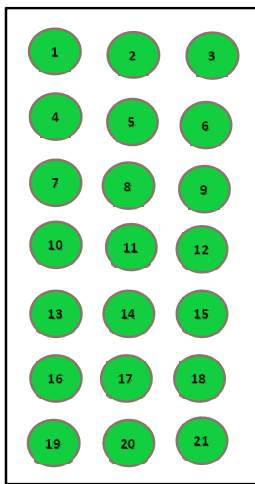
MJB - CH: 321+253 (LHS)



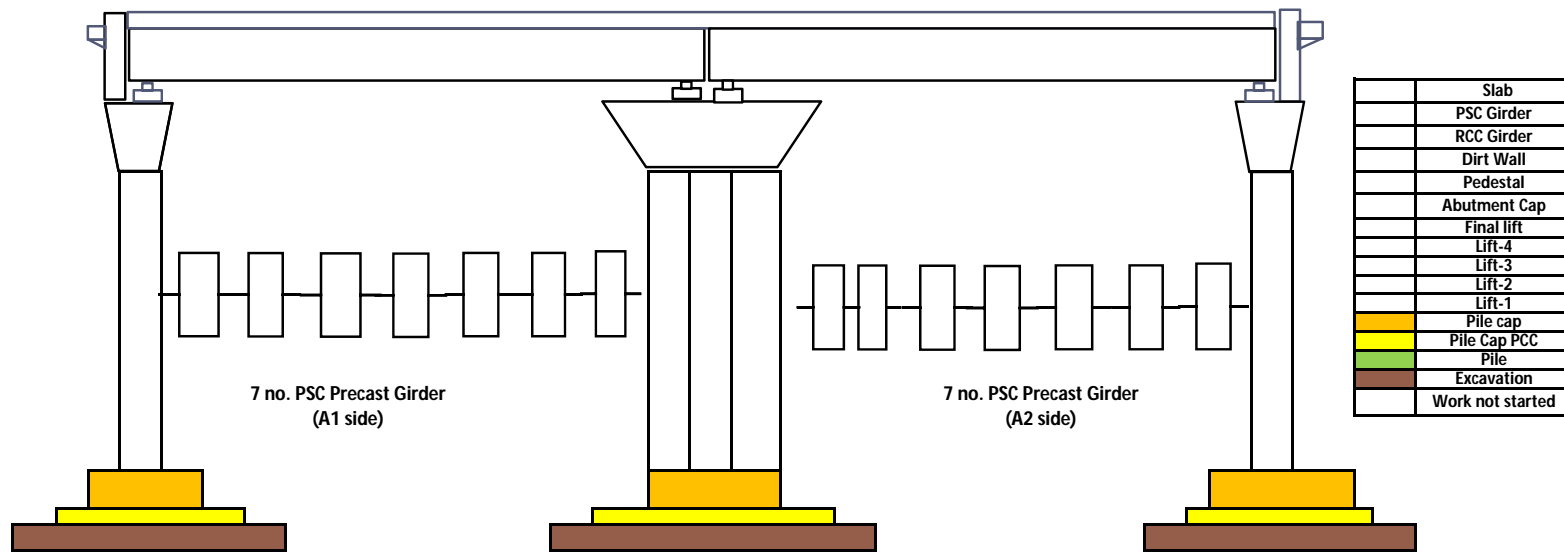
LHS A1

LHS P1

LHS A2



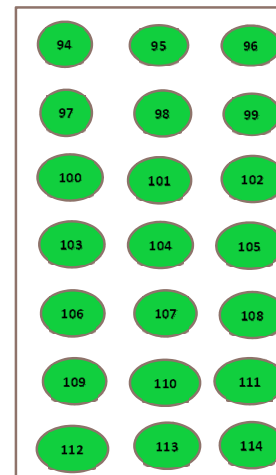
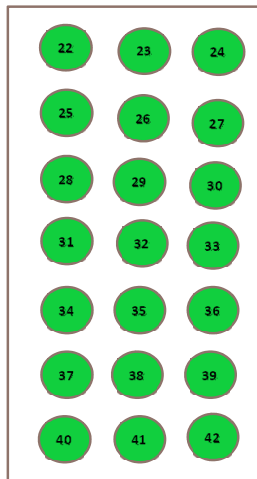
MJB - CH: 321+253 (RHS)



RHS A1

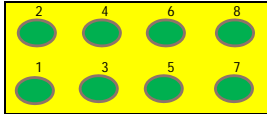
RHS P1

RHS A2

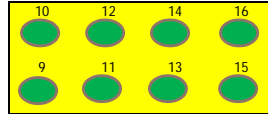


ROB-293+014

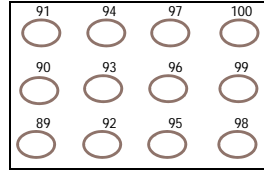
LA.1



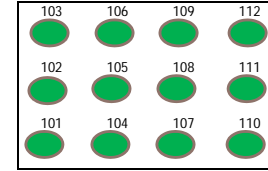
RA.1



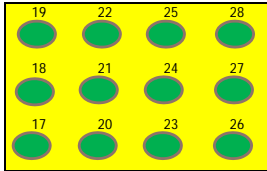
LP.4



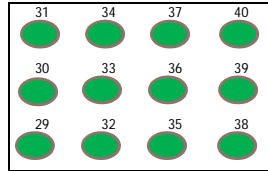
RP.4



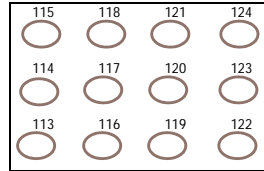
LP.1



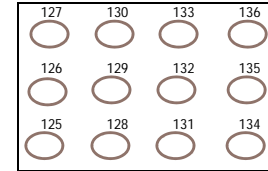
RP.1



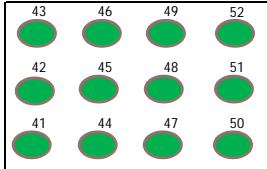
LP.5



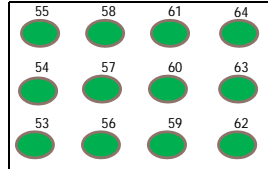
RP.5



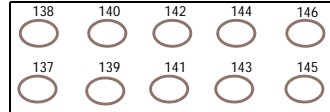
LP.2



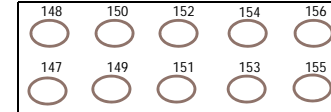
RP.2



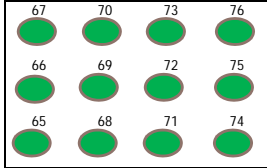
LA.6



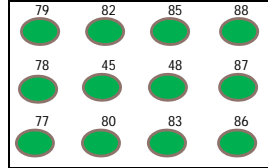
RA.6



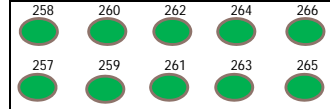
LP.3



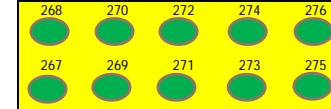
RP.3



LA.10

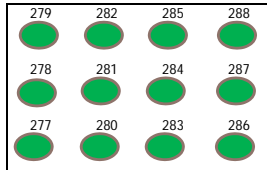


RA.10

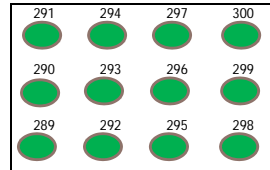


ROB-293+014

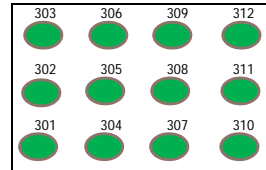
LP.11



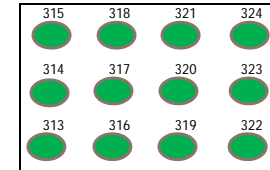
RP.11



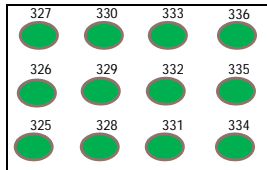
LP.12



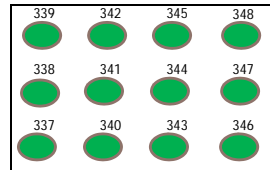
RP.12



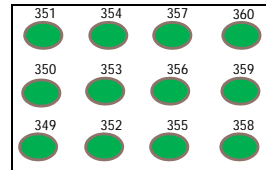
LP.13



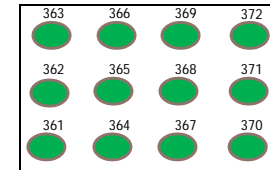
RP.13



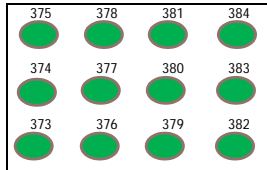
LP.14



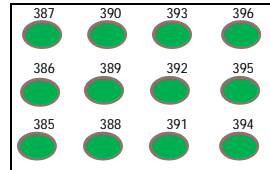
RP.14



LP.15



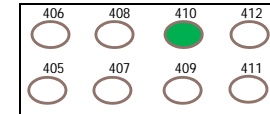
RP.15



LA.2



RA.2



Total Nos. of Pile:- 412
Completed Pile: 240

PROJECT

Construction of Eight lane Vadodara Mumbai Expressway from km 292.00 to km 323.00 (Manubar to Sapna Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on Hybrid annuity Mode (Phase IA- Package- III)

CLIENT

: National highway authority of India

CONCESSIONAIRE

: Patel Vadodara - Kim Expressway Private Limited

INDEPENDENT ENGINEER

: Aarvee Associates Architects & Consultant Pvt Ltd.

EPC CONTRACTOR

: Patel Infrastructure Limited

CALIBRATION CHART (LABORATORY EQUIPMENTS)

SL No	ITEM NAME	CAPACITY / SIZE	MAKE	ID NO	Date of Calibration	Due Date of Calibration	REMARK
1	Compression Testing Machine (CTM)	2000 KN	Haridarshan Instruments Lts	SL No-201818	26.06.2019	25.06.2020	
2	Flexural Testing Machine (FTM)	100 KN	EIE Instruments	SL No-1605180	18.02.2019	17.02.2020	
3	Proving Ring	30 KN	EIE Instruments	PR-30KN-01007	07.02.2019	06.02.2020	
4	Proving Ring	25 KN	EIE Instruments	PR-25KN-01884	07.02.2019	06.02.2020	
5	Proving Ring	2.5 KN	EIE Instruments	PR-2.5KN-470.2018	08.05.2019	07.05.2020	
6	CBR Penetration dial gauge	0.01-25 mm	BAKER	XFF397	08.05.2019	07.05.2020	
7	CBR Penetration dial gauge	0.01-25 mm	KANN	L1991	06.03.2019	05.03.2020	
8	Hot Air Oven	0 to 300 °c	EIE Instruments	SL No-160606	02.02.2019	01.02.2020	
9	Electronic Balance	100 Kg	Swisser	SL No-2190647	05.07.2019	04.07.2020	
10	Electronic Balance	50 Kg	Swisser	SL No-2190683	05.07.2019	04.07.2020	
11	Electronic Balance	50 Kg	Swisser	SL No-2190323	12.03.2019	11.03.2020	
12	Electronic Balance	30 Kg	Swisser	SL No-2190713	10.07.2019	07.07.2020	
13	Electronic Balance	30 Kg	Swisser	SL No-2190714	10.07.2019	07.07.2020	
14	Electronic Balance	20 Kg	Swisser	SL No-2190701	05.07.2019	04.07.2020	
15	Electronic Balance	10 Kg	Swisser	SL No-2190326	15.06.2019	14.06.2020	
16	Electronic Balance	10 Kg	Swisser	SL No-2180656	02.11.2018	01.11.2019	
17	Rapid Moisture Meter (RMM)	0-25 %	EIE Instruments		28.02.2019	27.02.2020	
18	Vicat Needle Apparatus		EIE Instruments		04.07.2019	03.07.2020	
19	CBR Mould	150 mm	EIE Instruments		13.06.2019	12.06.2020	
20	Proctor Rammer	4.89 Kg.	EIE Instruments		13.06.2019	12.06.2020	
21	Rain Gauge		EIE Instruments		02.07.2019	01.07.2020	
IN-HOUSE LABORATORY CALIBRATION							
1	Concrete Batching Plant (Patel)	150 M ³	Schwing Stetter	M-2.5 C	12.07.2019	11.10.2019	
2	Concrete Batching Plant (Patel)	60 M ³	Schwing Stetter	M-1.0 C	11.07.2019	10.10.2019	
3	Moisture Container (Big Size)	100x75 cm	EIE Instruments		17.06.2019	17.09.2019	
4	Moisture Container (Mideum Size)	75x50 cm	EIE Instruments		17.06.2019	17.09.2019	
5	Moisture Container (Small Size)	50x50 cm	EIE Instruments		17.06.2019	17.09.2019	
6	Sand Pouring Cylinder	200 mm	EIE Instruments		28.08.2019	27.11.2019	
7	Sand Pouring Cylinder	150 mm	EIE Instruments		03.08.2019	03.11.2019	
8	Sand Pouring Cylinder	100 mm	EIE Instruments		22.08.2019	21.11.2019	
9	Rapid Moisture Meter(RMM)	0-25 %	EIE Instruments		08.07.2019	07.01.2020	
10	Proctor Mould	1000 cc	EIE Instruments		09.04.2019	10.10.2019	
11	CBR Mould	150 mm dia	EIE Instruments		09.04.2019	07.10.2019	
12	Concrete cube Mould	15x15x15 cm	EIE Instruments		28.02.2019	28.02.2020	
13	Cement Mortar Mould	7.06x7.06x7.06 cm	EIE Instruments		24.12.2018	23.12.2019	
14	Beam Mould	70x15x15 cm	EIE Instruments		14.07.2019	13.07.2020	
15	Slump Cone	30x20x10 cm	EIE Instruments		24.12.2018	23.12.2019	
16	Test sieve	450 mm dia	EIE Instruments		22.12.2018	21.12.2019	
17	Test sieve	200 mm dia	EIE Instruments		22.12.2018	21.12.2019	
18	Electronic Balance	600 gm	Scale Tec	J.18.690	12.03.2019	12.09.2019	

EPC Contractor's Representative

Concessionaire's Representative

Client/IE's Representative

Annexure-09 Project photographs



PUP Raft Completed @295+151 LHS



Slump Testing at Site

Annexure-09 Project photographs



Concreting for Raft-LHS @311+047 LVUP



Annexure-09 Project photographs

Reinforcement Binding in progress for Raft-RHS @311+047 LVUP



Pile Chipping at 307 +733 MNB A1 side



Pile Cap Concrete done at ROB Km293+014 P2 RHS

Annexure-09 Project photographs



Km 318+870 MJB pile cage lowering in progress at A2 abutment

Annexure 10 Monthly monitoring of ongoing works for CGM(Tech.)			
Sr. No.	Monthly Monitoring Points	Status	Remarks
1	Monitoring of approved construction programme viz-a-viz the actual progress.	PVKEPL Submitted Work program as per approved Schedule G vide Letter No PVKEPL/HO/VKP3/IE/114/2019 Dt.19.06.2016, which is reviewed and forwarded by IE vide Letter no 686 Dt 31.07.2019	
2	Monitoring of the deployed resources (man, Machinery, material) viz-a-viz required for completion of work as per the original/extended period.	We have submitted machinery deployment schedule along with above work programe,vide Letter No PVKEPL/HO/VKP3/IE/114/2019 Dt.19.06.2016, which is reviewed and forwarded by IE vide Letter no 686 Dt 31.07.2019	
3	Intimation of authority's losses like toll loss, accidents loss, contractual damages etc. in case the delays, from original programme is due to default of the agency, alongwith quantifications of losses.	No losses to Authority as on date.	
4	Review of the woks included in the schedules based on the ground conditions over the land handed over to the agency for the earliest issue of COS notice/approval.	No COS as on date	
5	Requirement/ quantifications of the work as per the design/drawings of the agency on the sections / stretches not handed over by the authority.	Only 1.075 Km is remains to be handed over	
6	Review and recommendations of the claim of the agency (direct/indirect, losses/ damages as per contract and actual in reimbursable basis) intimated by the agency to the authority for its default till date.	No Claim as on date	
7	Status of any hindrance, obstructing any scope of work included under Schedules.	Hindered work front is 5.515 Km,comprising of 1.075 km Land acquisition and 4.444 km affected due to utility shifting.	