

**DETAILED PROJECT REPORT FOR MIZORAM STATE ROADS PROJECT-II
GROUP :1 (LUNGLEI-TLABUNG-KAWRPUICHHUAH ROAD)**

Name of Road :Lunglei-Tlabung-Kawrpuchhuah Road within Mizoram(0.00Km - 87.35Km)

Length of road : 87.352 Km

LIST OF PROPOSED CULVERTS

Sr. No.	Chainage (m)	Curve /Straight	Radius	Type	Span X Depth	Remarks
1	120	C	-39.4	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
2	345	C	54.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
3	510	C	-50.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
4	597	C	-195.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
5	674	C	79.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
6	741	C	-181.1	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
7	1160	C	45.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
8	1790	C	61.3	HPC-TYPE-2	1.2 X D NP4	PROPOSED
9	2146	C	75.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
10	2344	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
11	2557	C	95.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
12	2640	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
13	2779	C	-37.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
14	2921	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
15	3110	C	-47.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
16	3197	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
17	3247	C	-36.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
18	3359	C	-68.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
19	3691	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
20	3772	C	-217.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
21	3803	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
22	4016	C	-33.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
23	4151	C	-35.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
24	4162	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
25	4363	C	40.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
26	4516	C	-42.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
27	4614	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
28	4731	C	38.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
29	4925	C	-37.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
30	5181	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
31	5212	C	-58.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
32	5606	C	31.4	BOX-TYPE-2	2 X 2	RECONSTRUCTION
33	5741	C	45.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
34	5885	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
35	5937	C	46.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
36	6119	C	73.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
37	6222	C	85.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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38	6342	C	-30.3	BOX-TYPE-2	2 X 2	RECONSTRUCTION
39	6421	C	-43.2	BOX-TYPE-2	2 X 2	RECONSTRUCTION
40	6555	S	-1943.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
41	6641	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
42	6759	C	33.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
43	6958	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
44	7044	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
45	7130	C	42.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
46	7203	C	-35.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
47	7314	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
48	7440	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
49	7831	C	-52.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
50	7983	S	500.0	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
51	8159	C	-124.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
52	8328	C	-125.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
53	8863	C	58.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
54	9048	C	-100.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
55	9223	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
56	9405	C	102.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
57	9496	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
58	9656	C	161.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
59	9878	C	-37.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
60	9984	C	-32.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
61	10209	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
62	10266	C	-30.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
63	10844	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
64	11221	C	59.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
65	11636	C	66.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
66	11837	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
67	12162	S	20778.1	BOX-TYPE-1	1.5 X 1.5	PROPOSED
68	12696	S		BOX-TYPE-1	1.5 X 1.5	PROPOSED
69	12880	C	-196.4	BOX-TYPE-1	1.5 X 1.5	PROPOSED
70	13180	C	30.0	BOX-TYPE-1	1.5 X 1.5	PROPOSED
71	13430	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
72	13646	C	33.5	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
73	13750	C	-105.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
74	13822	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
75	13918	C	50.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
76	13970	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
77	14215	S	-314.3	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
78	14312	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
79	14443	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
80	14497	C	-70.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
81	14573	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
82	14754	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION

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83	14962	S	-2246.4	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
84	15246	C	-34.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
85	15416	C	40.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
86	15503	C	60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
87	15626	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
88	15900	C	148.1	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
89	16138	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
90	16235	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
91	16408	C	70.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
92	16576	C	-57.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
93	16687	C	44.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
94	17015	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
95	17087	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
96	17149	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
97	17269	C	144.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
98	17393	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
99	17482	C	47.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
100	17666	C	82.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
101	17849	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
102	17943	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
103	18102	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
104	18418	C	123.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
105	18651	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
106	18836	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
107	19218	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
108	19473	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
109	19501	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
110	19611	C	222.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
111	19741	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
112	19995	C	60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
113	20064	C	-82.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
114	20410	C	248.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
115	20602	C	32.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
116	20684	C	32.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
117	20834	C	218.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
118	20944	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
119	20990	C	55.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
120	21066	C	77.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
121	21158	C	58.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
122	21640	C	60.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
123	21758	C	30.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
124	22095	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
125	22198	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
126	22316	C	65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
127	22446	C	35.1	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION

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128	22632	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
129	22761	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
130	22886	C	42.9	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
131	23105	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
132	23177	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
133	23322	C	118.1	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
134	23481	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
135	23721	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
136	24063	C	-31.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
137	24342	C	-35.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
138	24602	C	-58.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
139	24681	C	-47.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
140	24737	C	-237.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
141	24822	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
142	24984	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
143	25177	C	-55.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
144	25210	C	-172.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
145	25287	C	-30.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
146	25434	C	-64.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
147	25461	C	-43.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
148	25530	C	118.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
149	25598	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
150	25695	C	-112.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
151	25821	C	-30.0	BOX-TYPE-4	6 X 3	PROPOSED
152	25999	C	85.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
153	26053	C	-31.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
154	26211	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
155	26376	C	-81.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
156	26606	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
157	26664	S	-581.5	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
158	27092	C	30.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
159	27176	C	64.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
160	27246	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
161	27299	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
162	27568	C	58.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
163	27642	C	34.8	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
164	27667	S	1039.0	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
165	27696	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
166	27747	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
167	27957	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
168	28076	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
169	28150	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
170	28290	C	55.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
171	28336	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
172	28539	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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173	28568	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
174	28916	C	62.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
175	29069	S	1619.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
176	29190	C	30.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
177	29311	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
178	29361	C	-75.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
179	29596	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
180	29653	C	-150.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
181	29711	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
182	29772	C	75.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
183	29860	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
184	29936	C	125.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
185	30021	S		BOX-TYPE-2	2 X 2	RECONSTRUCTION
186	30119	C	30.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
187	30178	S	858.9	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
188	30268	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
189	30322	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
190	30359	C	-64.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
191	30404	C	102.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
192	30750	C	50.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
193	30919	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
194	31039	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
195	31096	C	78.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
196	31176	C	60.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
197	31268	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
198	31364	C	-145.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
199	31671	C	241.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
200	32393	S		BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
201	32698	C	35.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
202	32876	C	35.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
203	33030	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
204	33128	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
205	33545	C	-45.0	BOX-TYPE-1	1.5 X 1.5	PROPOSED
206	33667	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
207	33782	S	-305.7	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
208	33856	C	65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
209	33950	C	-140.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
210	34002	C	-54.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
211	34189	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
212	34358	C	32.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
213	34443	C	56.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
214	34682	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
215	34726	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
216	34839	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
217	34955	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION

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218	35096	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
219	35293	C	198.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
220	35409	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
221	35471	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
222	35607	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
223	35753	C	35.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
224	35902	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
225	36413	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
226	36622	S	1285.7	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
227	36728	C	41.8	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
228	36899	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
229	37009	C	60.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
230	37146	C	67.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
231	37271	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
232	37394	C	49.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
233	37634	C	49.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
234	37773	C	30.0	BOX-TYPE-1	1.5 X 1.5	PROPOSED
235	38005	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
236	38371	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
237	38683	C	-166.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
238	38826	S	831.6	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
239	38959	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
240	39345	C	30.7	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
241	39459	C	65.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
242	39550	C	50.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
243	40135	C	-177.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
244	40192	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
245	40304	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
246	40687	C	50.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
247	40726	C	42.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
248	40859	C	-134.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
249	40958	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
250	41109	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
251	41237	C	57.5	HPC-TYPE-2	1.2 X D NP4	PROPOSED
252	41405	C	65.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
253	41691	C	30.0	HPC-TYPE-3	1.2 X D NP4	PROPOSED
254	42058	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
255	42326	S		HPC-TYPE-3	1.2 X D NP4	PROPOSED
256	42501	C	-127.6	HPC-TYPE-2	1.2 X D NP4	PROPOSED
257	43044	C	-100.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
258	43280	C	82.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
259	43550	C	-104.8	HPC-TYPE-2	1.2 X D NP4	PROPOSED
260	43866	C	-45.0	HPC-TYPE-3	1.2 X D NP4	PROPOSED
261	44113	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
262	44632	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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263	45026	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
264	45450	S		BOX-TYPE-1	1.5 X 1.5	PROPOSED
265	45598	C	-49.1	HPC-TYPE-2	1.2 X D NP4	PROPOSED
266	45726	C	-86.7	HPC-TYPE-2	1.2 X D NP4	PROPOSED
267	45916	S		BOX-TYPE-1	1.5 X 1.5	PROPOSED
268	46266	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
269	46401	C	-30.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
270	46441	S	-943.3	HPC-TYPE-1	1.2 X D NP4	PROPOSED
271	46551	C	-141.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
272	46600	C	-73.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
273	46622	C	-45.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
274	46657	S	2221.6	HPC-TYPE-1	1.2 X D NP4	PROPOSED
275	46907	C	-80.8	HPC-TYPE-2	1.2 X D NP4	PROPOSED
276	47014	C	-59.2	HPC-TYPE-2	1.2 X D NP4	PROPOSED
277	47032	C	-47.7	HPC-TYPE-2	1.2 X D NP4	PROPOSED
278	47126	C	-207.4	HPC-TYPE-2	1.2 X D NP4	PROPOSED
279	47160	C	-75.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
280	47187	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
281	47243	C	-89.3	BOX-TYPE-1	1.5 X 1.5	PROPOSED
282	47285	C	179.6	HPC-TYPE-2	1.2 X D NP4	PROPOSED
283	47321	C	-184.6	HPC-TYPE-2	1.2 X D NP4	PROPOSED
284	47402	C	-146.3	HPC-TYPE-2	1.2 X D NP4	PROPOSED
285	47459	S		BOX-TYPE-1	1.5 X 1.5	PROPOSED
286	47511	C	-76.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
287	47757	C	100.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
288	47966	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
289	48100	C	300.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
290	48164	C	57.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
291	48359	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
292	48717	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
293	49012	C	53.7	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
294	49146	C	30.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
295	49272	C	75.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
296	49517	C	30.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
297	49749	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
298	50021	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
299	50385	C	-60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
300	50576	C	133.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
301	50666	C	-30.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
302	50946	C	-30.2	HPC-TYPE-3	1.2 X D NP4	PROPOSED
303	51187	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
304	51309	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
305	51400	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
306	51466	C	-46.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
307	51596	C	110.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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308	51873	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
309	51928	S	4537.2	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
310	52259	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
311	52353	C	52.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
312	52454	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
313	52664	C	65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
314	52962	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
315	53131	C	40.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
316	53236	S	-2151.7	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
317	53483	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
318	53662	S	-544.0	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
319	53782	C	35.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
320	53886	C	51.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
321	54029	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
322	54108	C	-130.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
323	54177	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
324	54404	C	51.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
325	54559	C	40.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
326	54617	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
327	54788	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
328	54954	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
329	55044	S	-2092.6	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
330	55121	S	-303.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
331	55153	C	-227.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
332	55260	C	50.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
333	55310	C	46.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
334	55394	C	-236.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
335	55608	C	-100.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
336	55691	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
337	55772	C	31.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
338	55933	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
339	56128	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
340	56259	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
341	56365	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
342	56619	C	-78.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
343	56722	C	88.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
344	56795	C	264.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
345	56831	C	33.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
346	57023	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
347	57109	C	-173.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
348	57213	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
349	57326	S	311.4	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
350	57462	C	65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
351	57632	C	-65.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
352	57748	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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353	57835	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
354	57941	C	60.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
355	58070	C	150.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
356	58217	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
357	58413	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
358	58496	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
359	58693	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
360	58773	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
361	58807	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
362	59182	C	-45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
363	59270	C	95.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
364	59409	C	-45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
365	59640	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
366	59696	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
367	59816	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
368	59884	C	-40.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
369	59924	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
370	60121	C	-45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
371	60198	C	-100.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
372	60260	C	-240.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
373	60377	C	-56.8	HPC-TYPE-2	1.2 X D NP4	PROPOSED
374	60412	S		BOX-TYPE-1	1.5 X 1.5	PROPOSED
375	60476	C	-30.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
376	60770	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
377	60809	C	63.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
378	60901	C	65.0	HPC-TYPE-2	1.2 X D NP4	PROPOSED
379	60974	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
380	61050	C	-30.0	BOX-TYPE-1	1.5 X 1.5	PROPOSED
381	61110	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
382	61504	C	-196.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
383	61676	S	-345.8	HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
384	61900	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
385	62098	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
386	62155	C	71.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
387	62328	C	-68.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
388	62428	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
389	62561	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
390	62683	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
391	62949	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
392	63038	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
393	63138	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
394	63310	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
395	63377	C	62.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
396	63424	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
397	63640	C	-30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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398	63781	S		BOX-TYPE-4	6 X 3	RECONSTRUCTION
399	63901	C	30.0	BOX-TYPE-3	3 X 3	RECONSTRUCTION
400	63940	C	126.7	BOX-TYPE-3	3 X 3	RECONSTRUCTION
401	64037	C	-81.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
402	64131	C	45.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
403	64235	C	60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
404	64378	C	30.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
405	64428	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
406	64493	C	-131.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
407	64556	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
408	64664	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
409	64782	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
410	64830	C	-54.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
411	64937	C	36.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
412	65018	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
413	65122	S		BOX-TYPE-3	3 X 3	RECONSTRUCTION
414	65229	C	-45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
415	65382	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
416	65425	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
417	65470	C	60.4	BOX-TYPE-4	6 X 3	RECONSTRUCTION
418	65574	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
419	65688	C	-38.8	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
420	65921	C	172.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
421	66145	C	-45.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
422	66362	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
423	66410	C	-76.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
424	66520	C	-87.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
425	66613	C	211.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
426	66735	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
427	66918	C	-66.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
428	67168	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
429	67230	C	113.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
430	67304	C	-35.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
431	67826	C	30.0	BOX-TYPE-2	2 X 2	RECONSTRUCTION
432	68149	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
433	68293	C	-69.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
434	68379	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
435	68572	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
436	68632	C	65.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
437	68773	C	55.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
438	68849	C	59.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
439	68993	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
440	69066	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
441	69155	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
442	69416	C	110.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION

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443	69477	C	-45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
444	69599	C	32.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
445	69638	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
446	69769	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
447	69839	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
448	69923	C	55.0	BOX-TYPE-3	3 X 3	RECONSTRUCTION
449	70036	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
450	70446	C	90.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
451	70622	C	59.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
452	70720	S		BOX-TYPE-2	2 X 2	RECONSTRUCTION
453	70782	C	45.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
454	70811	C	96.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
455	70904	C	61.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
456	71126	C	34.1	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
457	71313	C	-100.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
458	71361	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
459	71456	C	45.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
460	71601	C	38.7	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
461	71856	C	50.8	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
462	71980	C	77.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
463	72101	C	-179.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
464	72166	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
465	72323	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
466	72398	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
467	72564	C	30.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
468	72589	C	30.0	BOX-TYPE-3	3 X 3	RECONSTRUCTION
469	72767	C	-65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
470	72837	C	65.2	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
471	73246	C	-86.9	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
472	73382	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
473	73468	C	60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
474	73649	S	1615.8	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
475	73917	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
476	74111	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
477	74380	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
478	74530	C	125.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
479	74573	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
480	74772	C	57.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
481	74987	C	-125.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
482	75180	C	65.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
483	75254	C	119.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
484	75357	C	45.0	BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
485	75523	S		BOX-TYPE-1	1.5 X 1.5	RECONSTRUCTION
486	75586	C	47.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
487	75616	C	52.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION

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488	75738	C	-55.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
489	75785	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
490	75863	C	145.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
491	75912	C	60.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
492	76098	C	62.2	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
493	76252	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
494	76339	C	-48.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
495	76557	S		HPC-TYPE-1	1.2 X D NP4	RECONSTRUCTION
496	76670	C	187.0	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
497	76834	C	36.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
498	77024	C	96.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
499	77132	C	-30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
500	77294	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
501	77345	C	156.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
502	77540	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
503	77743	C	63.1	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
504	77847	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
505	77938	C	114.1	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
506	78073	C	45.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
507	78259	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
508	78335	C	62.3	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
509	78435	C	242.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
510	78553	C	-108.8	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
511	78620	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
512	78715	C	-65.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
513	79000	C	50.4	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
514	79040	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
515	79195	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
516	79254	C	144.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
517	79346	C	45.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
518	79504	C	30.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
519	79696	C	51.9	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
520	79749	C	30.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
521	80066	S		HPC-TYPE-1	1.2 X D NP4	PROPOSED
522	80536	C	-66.9	HPC-TYPE-3	1.2 X D NP4	PROPOSED
523	80777	C	30.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
524	80911	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
525	81043	C	31.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
526	81169	C	46.6	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
527	81481	C	37.2	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
528	81607	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
529	82036	S		HPC-TYPE-3	1.2 X D NP4	PROPOSED
530	82254	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
531	82724	C	36.2	HPC-TYPE-3	1.2 X D NP4	PROPOSED
532	83012	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION

533	83271	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
534	83326	C	65.0	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
535	83415	S		HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
536	83859	C	36.1	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
537	84316	C	31.4	HPC-TYPE-2	1.2 X D NP4	PROPOSED
538	84778	C	-38.3	HPC-TYPE-3	1.2 X D NP4	PROPOSED
539	85011	C	-79.4	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
540	85303	C	-102.6	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
541	85657	C	-87.3	HPC-TYPE-3	1.2 X D NP4	RECONSTRUCTION
542	85850	C	-30.0	HPC-TYPE-3	1.2 X D NP4	PROPOSED
543	86133	C	-30.0	HPC-TYPE-3	1.2 X D NP4	PROPOSED
544	86626	C	-95.5	HPC-TYPE-2	1.2 X D NP4	RECONSTRUCTION
545	87126	C	30.0	HPC-TYPE-3	1.2 X D NP4	PROPOSED

Summary**Total number of culvert****545**

	Description					Nos
	Box Culvert	Nos	49	SPAN in m	DEPTH in m	
	Type -1			1.5	1.5	28
	Type -2			2	2	13
	Type -3			3	3	5
	Type -4			6	4	3
	Pipe Culvert	Nos	496	Dia	Barrel Length	
	Type -1			1.2	12.5	91
	Type -2				15	244
	Type -3				20	161

**DETAILED PROJECT REPORT FOR MIZORAM STATE ROADS PROJECT-II
GROUP :1 (LUNGLEI-TLABUNG-KAWRPUICHHUAH ROAD)**

Name of Road :Lunglei-Tlabung-Kawrpuchhuah Road within Mizoram(0.00Km - 87.35Km)

Length of road : 87.352 Km

Location of culvert outlet required outlet drain to connect with natural nallah

Sr.No.	Chainage	Clear Width of Chute	Length of Chute	Remarks
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1	2779	2.70	20	Type-2
2	6555	1.85	20	Type-1
3	6641	2.70	20	Type-2
4	6759	2.70	20	Type-2
5	9984	2.70	20	Type-2
6	13430	2.70	20	Type-2
7	13646	3.20	20	Type-3
8	13822	2.70	20	Type-2
9	14573	2.70	20	Type-2
10	14754	2.70	20	Type-2
11	15900	2.70	20	Type-2
12	17149	3.20	20	Type-3
13	17482	2.70	20	Type-2
14	17666	2.70	20	Type-2
15	18102	2.70	20	Type-2
16	20684	3.20	20	Type-3
17	21158	2.70	20	Type-2
18	21640	2.70	20	Type-2
19	21758	2.70	20	Type-2
20	22198	3.20	20	Type-3
21	22446	2.70	20	Type-2
22	24342	2.70	20	Type-2
23	24602	2.70	20	Type-2
24	27092	2.70	20	Type-2
25	27176	2.70	20	Type-2
26	27246	1.85	20	Type-1
27	27568	2.70	20	Type-2
28	27642	3.20	20	Type-3
29	27957	2.70	20	Type-2
30	29069	1.85	20	Type-1
31	29311	1.85	20	Type-1
32	29596	1.85	20	Type-1
33	30750	2.70	20	Type-2
34	31176	3.20	20	Type-3
35	31268	2.70	20	Type-2
36	31364	2.70	20	Type-2

37	32876	2.70	20	Type-2
38	33667	2.70	20	Type-2
39	33782	1.85	20	Type-1
40	34839	2.70	20	Type-2
41	35096	1.85	20	Type-1
42	35471	1.85	20	Type-1
43	35902	2.70	20	Type-2
44	36728	2.70	20	Type-2
45	37394	3.20	20	Type-3
46	37634	2.70	20	Type-2
47	38959	2.70	20	Type-2
48	39345	2.70	20	Type-2
49	39459	2.70	20	Type-2
50	39550	2.70	20	Type-2
51	41691	2.70	20	Type-2
52	42326	1.85	20	Type-1
53	43866	2.70	20	Type-2
54	47966	1.85	20	Type-1
55	48164	2.70	20	Type-2
56	48717	3.20	20	Type-3
57	49012	2.70	20	Type-2
58	49272	2.70	20	Type-2
59	49749	3.20	20	Type-3
60	50946	2.70	20	Type-2
61	51187	2.70	20	Type-2
62	51466	2.70	20	Type-2
63	52454	1.85	20	Type-1
64	53782	2.70	20	Type-2
65	53886	2.70	20	Type-2
66	54029	2.70	20	Type-2
67	54177	1.85	20	Type-1
68	54788	2.70	20	Type-2
69	55121	1.85	20	Type-1
70	55691	2.70	20	Type-2
71	55933	2.70	20	Type-2
72	56128	3.20	20	Type-3

73	56365	2.70	20	Type-2
74	57109	2.70	20	Type-2
75	57213	2.70	20	Type-2
76	58217	2.70	20	Type-2
77	58496	1.85	20	Type-1
78	59182	2.70	20	Type-2
79	59409	3.20	20	Type-3
80	59640	1.85	20	Type-1
81	59696	1.85	20	Type-1
82	59816	2.70	20	Type-2
83	59884	2.70	20	Type-2
84	59924	2.70	20	Type-2
85	60121	3.20	20	Type-3
86	60198	2.70	20	Type-2
87	62098	2.70	20	Type-2
88	62328	2.70	20	Type-2
89	62428	1.85	20	Type-1
90	64037	2.70	20	Type-2
91	65229	2.70	20	Type-2
92	65574	2.70	20	Type-2
93	65688	2.70	20	Type-2
94	65921	2.70	20	Type-2
95	66145	2.70	20	Type-2
96	66362	3.20	20	Type-3
97	66410	2.70	20	Type-2
98	67168	1.85	20	Type-1
99	67304	2.70	20	Type-2
100	68149	2.70	20	Type-2
101	68379	2.70	20	Type-2
102	68572	1.85	20	Type-1
103	68632	2.70	20	Type-2
104	68773	2.70	20	Type-2
105	68849	3.20	20	Type-3
106	68993	2.70	20	Type-2
107	69066	2.70	20	Type-2
108	69155	2.70	20	Type-2

109	69638	2.70	20	Type-2
110	69769	1.85	20	Type-1
111	70036	2.70	20	Type-2
112	70904	2.70	20	Type-2
113	72166	2.70	20	Type-2
114	72323	2.70	20	Type-2
115	72398	1.85	20	Type-1
116	74111	1.85	20	Type-1
117	74380	2.70	20	Type-2
118	74772	2.70	20	Type-2
119	75586	2.70	20	Type-2
120	75616	2.70	20	Type-2
121	75785	1.85	20	Type-1
122	76252	2.70	20	Type-2
123	76834	3.20	20	Type-3
124	77132	2.70	20	Type-2
125	77294	2.70	20	Type-2
126	77540	2.70	20	Type-2
127	77743	2.70	20	Type-2
128	77847	1.85	20	Type-1
129	77938	2.70	20	Type-2
130	78073	2.70	20	Type-2
131	78259	1.85	20	Type-1
132	78620	2.70	20	Type-2
133	78715	2.70	20	Type-2
134	79040	2.70	20	Type-2
135	79195	1.85	20	Type-1
136	79254	2.70	20	Type-2
137	79346	2.70	20	Type-2
138	79504	2.70	20	Type-2
139	79696	3.20	20	Type-3
140	79749	2.70	20	Type-2
141	80536	2.70	20	Type-2
142	80777	2.70	20	Type-2
143	80911	1.85	20	Type-1
144	81043	2.70	20	Type-2

145	81169	2.70	20	Type-2
146	81481	2.70	20	Type-2
147	81607	1.85	20	Type-1
148	82036	1.85	20	Type-1
149	82254	1.85	20	Type-1
150	82724	2.70	20	Type-2
151	83012	1.85	20	Type-1
152	83271	1.85	20	Type-1
153	83326	2.70	20	Type-2
154	83415	1.85	20	Type-1
155	83859	2.70	20	Type-2
156	84778	2.70	20	Type-2
157	85011	3.20	20	Type-3
158	85657	2.70	20	Type-2
159	85850	2.70	20	Type-2
160	86133	2.70	20	Type-2
161	87126	2.70	20	Type-2

Summary

Total number of culvert

	Description			Nos
	Chute			
	Type -1			660
	Type -2			2220
	Type -3			340