Data Flow Diagram

for

Road Repair And Tracking System(RRTS)

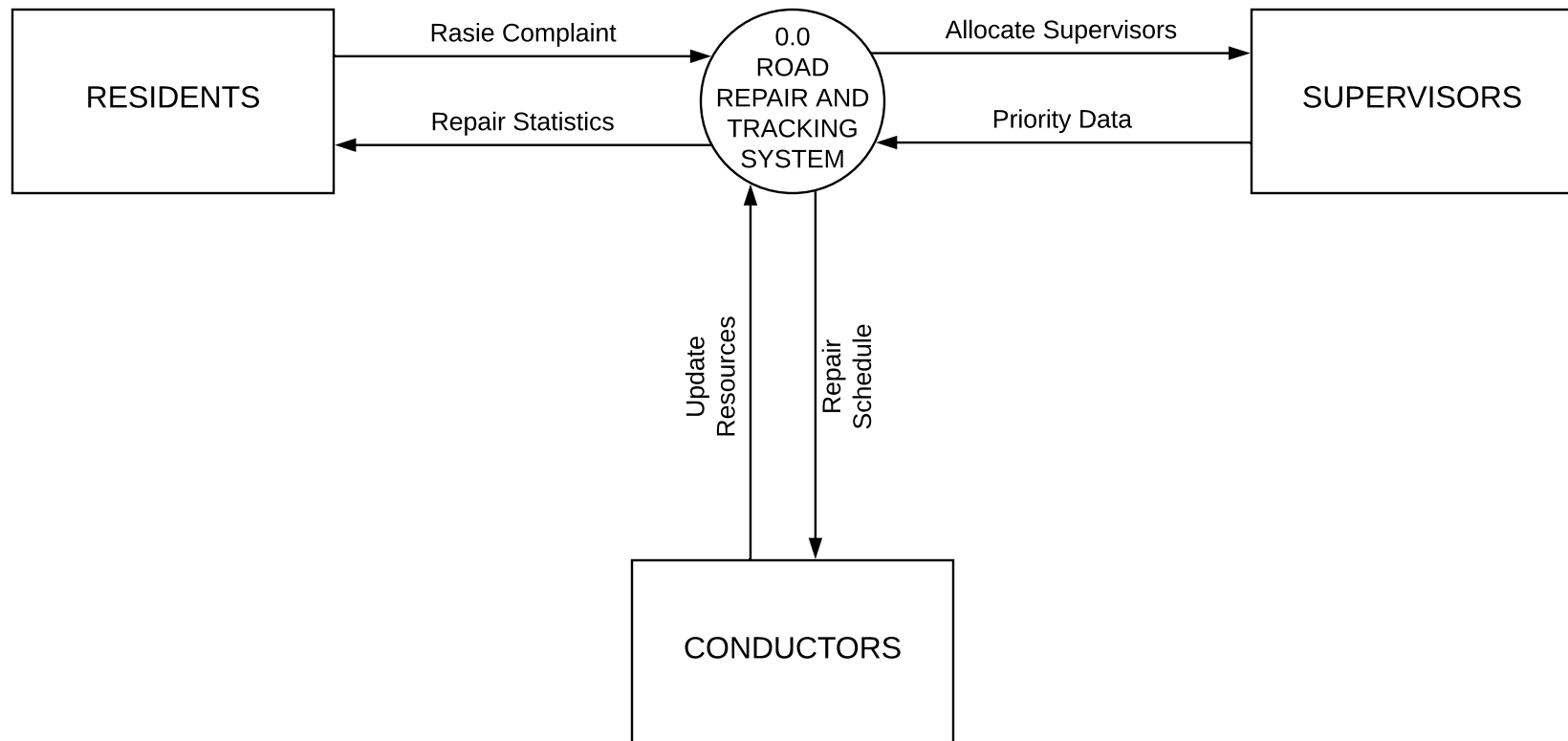**Version 1.0**

Prepared by Rakesh Bal

Roll No:-16CS10043
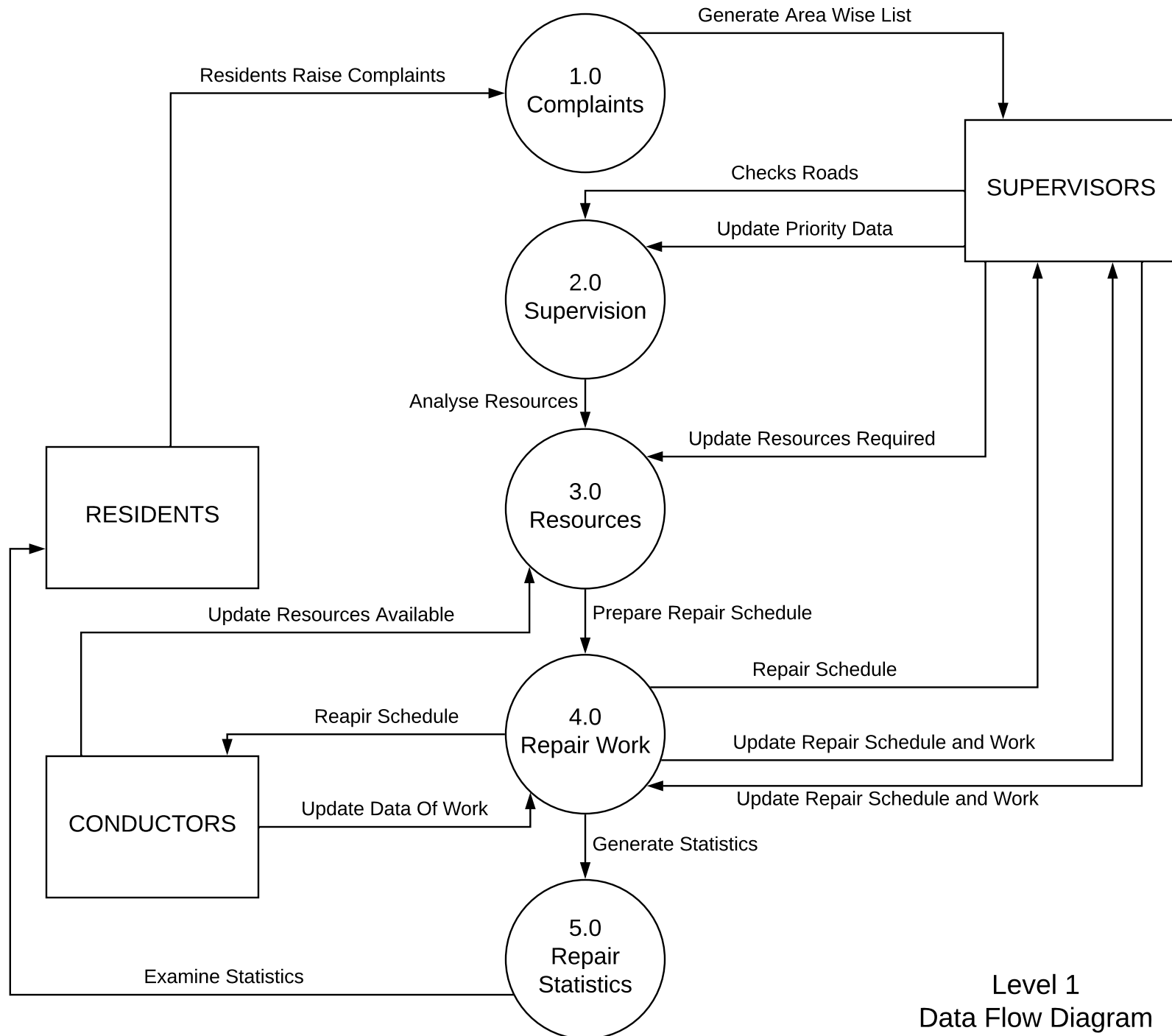
IIT Kharagpur

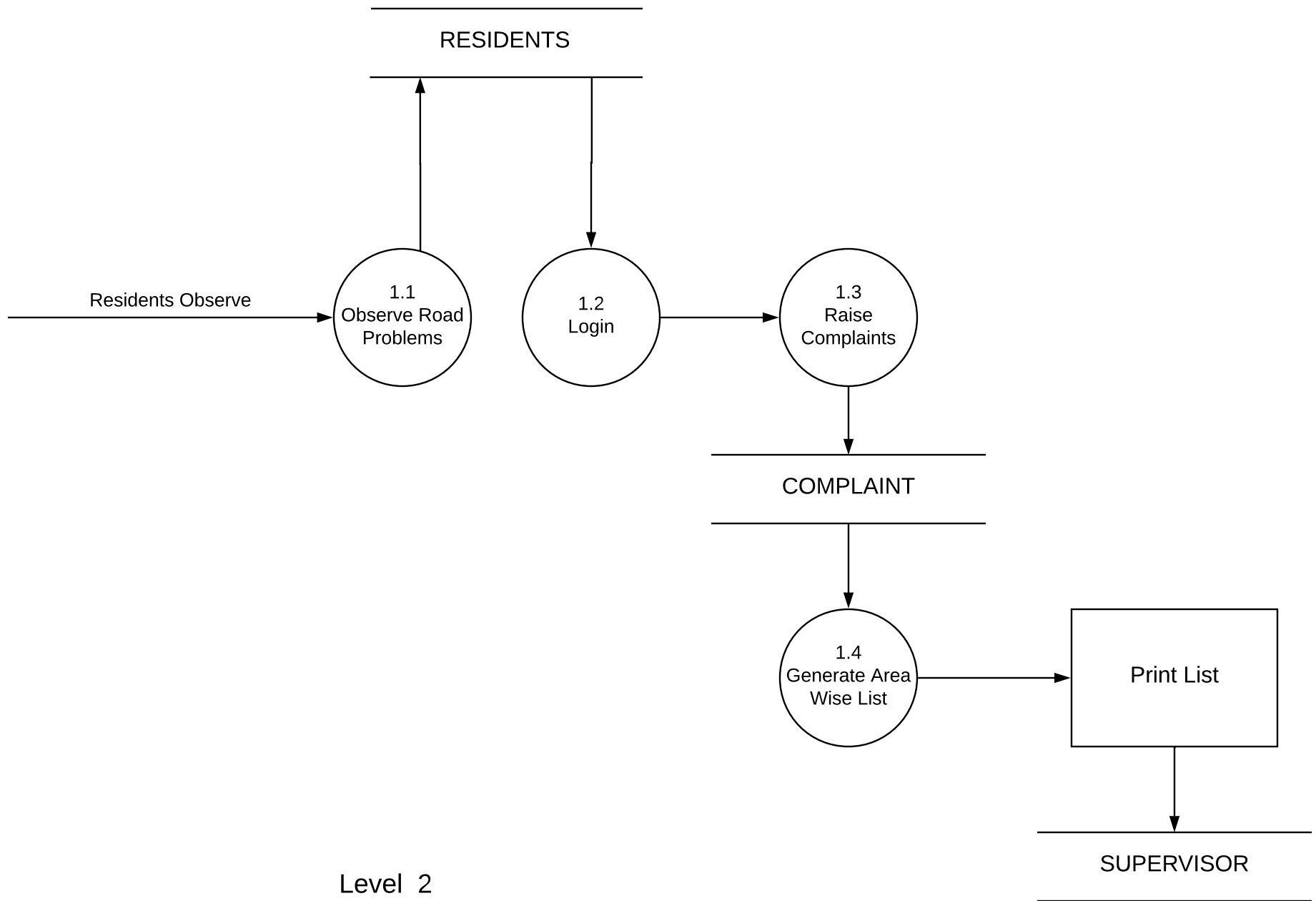**31.01.2018**

ROAD REPAIR AND TRACKING SYSTEM

RESIDENTS

Rasie Complaint →

0.0
ROAD
REPAIR AND
TRACKING
SYSTEM

Allocate Supervisors →

SUPERVISORS

← Repair Statistics

← Priority Data

Update Resources

Repair Schedule

CONDUCTORS

Level 0
Data Flow Diagram

Level 1
Data Flow Diagram

RESIDENTS

Residents Observe → (1.1 Observe Road Problems)

(1.2 Login)

(1.3 Raise Complaints)

COMPLAINT

(1.4 Generate Area Wise List) → [Print List]

SUPERVISOR

Level 2
Data Flow Diagram
Complaints

SUPERVISORS

Portal Generation

2.1
Area Wise List

2.2
Examine Roads

REPAIR
SCHEDULE

2.3
Update Priority
Data

2.4
Analyse
Resources

Level 2
Data Flow Digram
Supervision

CONDUCTORS

SUPERVISORS

3.1
Check
Resources

3.2
Update
Resources

3.3
Update
Resources
Required

3.4
Analyse
Resources

Supervised Data From Previous Stages
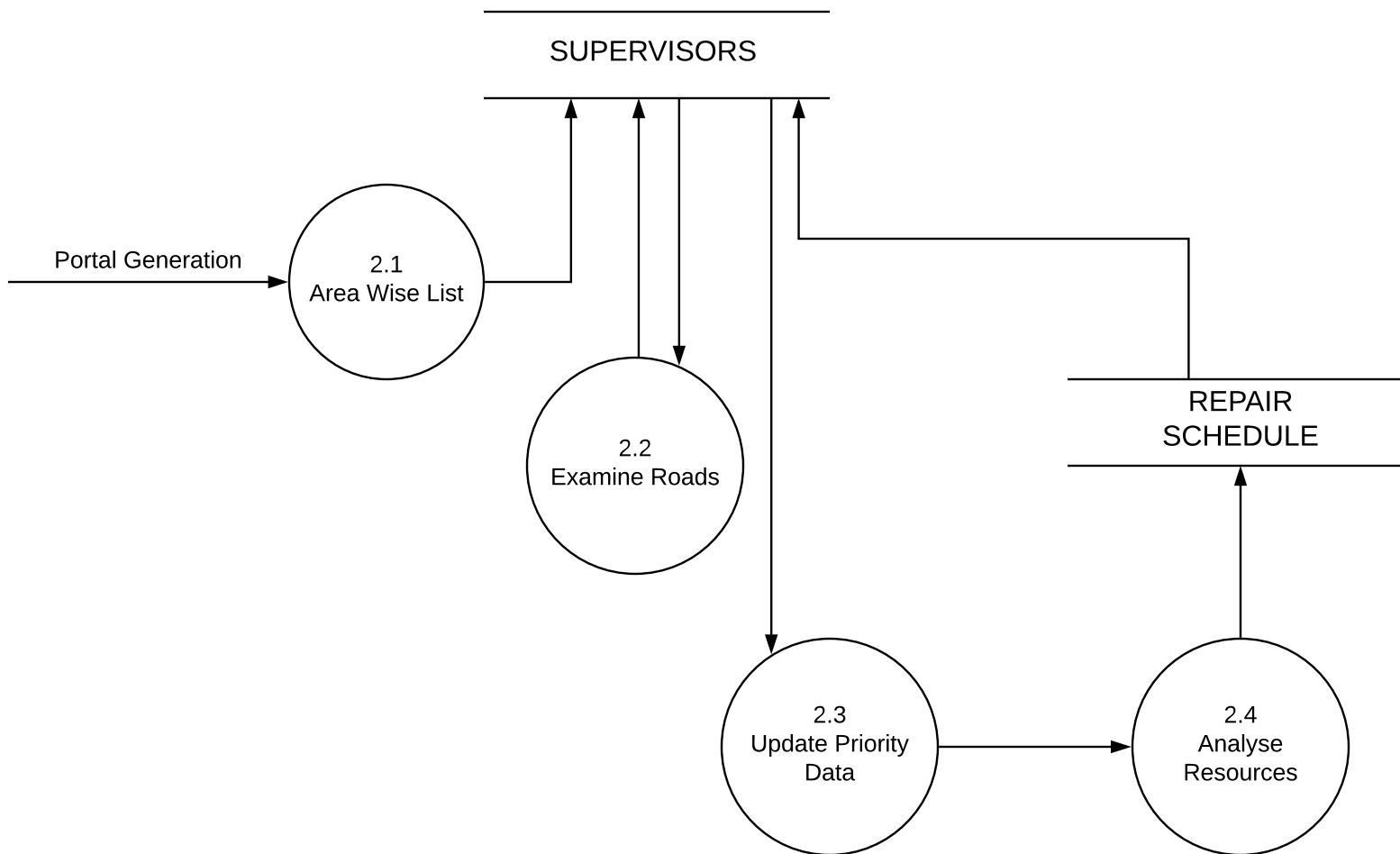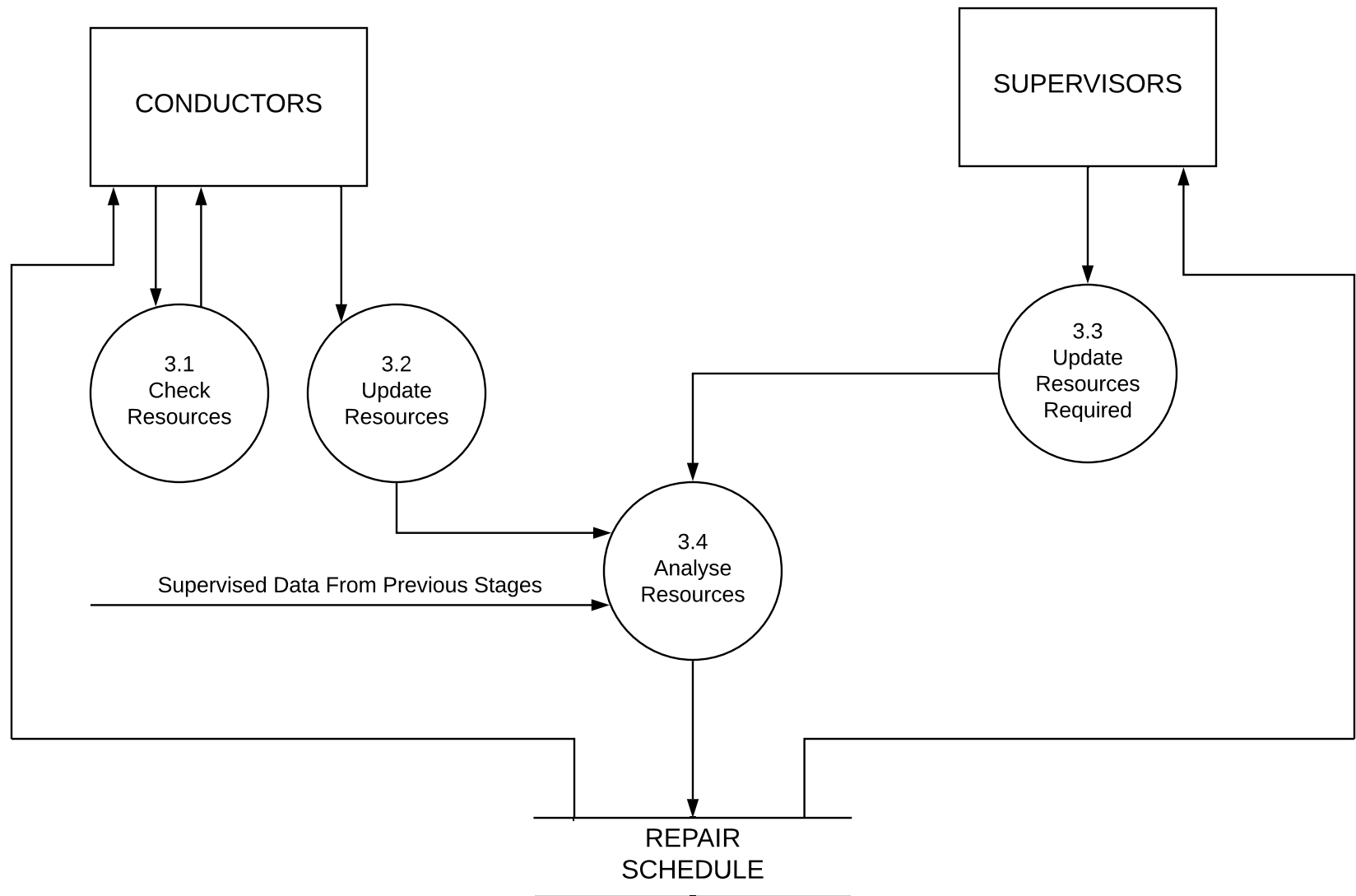
REPAIR
SCHEDULE

Level 2
Data Flow Diagram
Resources

CONDUCTORS

SUPERVISORS

4.1
Status of Work done and resources required

4.2 Analysis of Resources and Priority

Repair Work form previous stage

4.3
Prepare Reapir Schedule

REPAIR
SCHEDULE

Level 2
Data Flow Diagram
Repair Work

RESIDENTS

SUPERVISORS

Repair Work Completed from Previous Stages

5.1
Prepare Repair Statistics
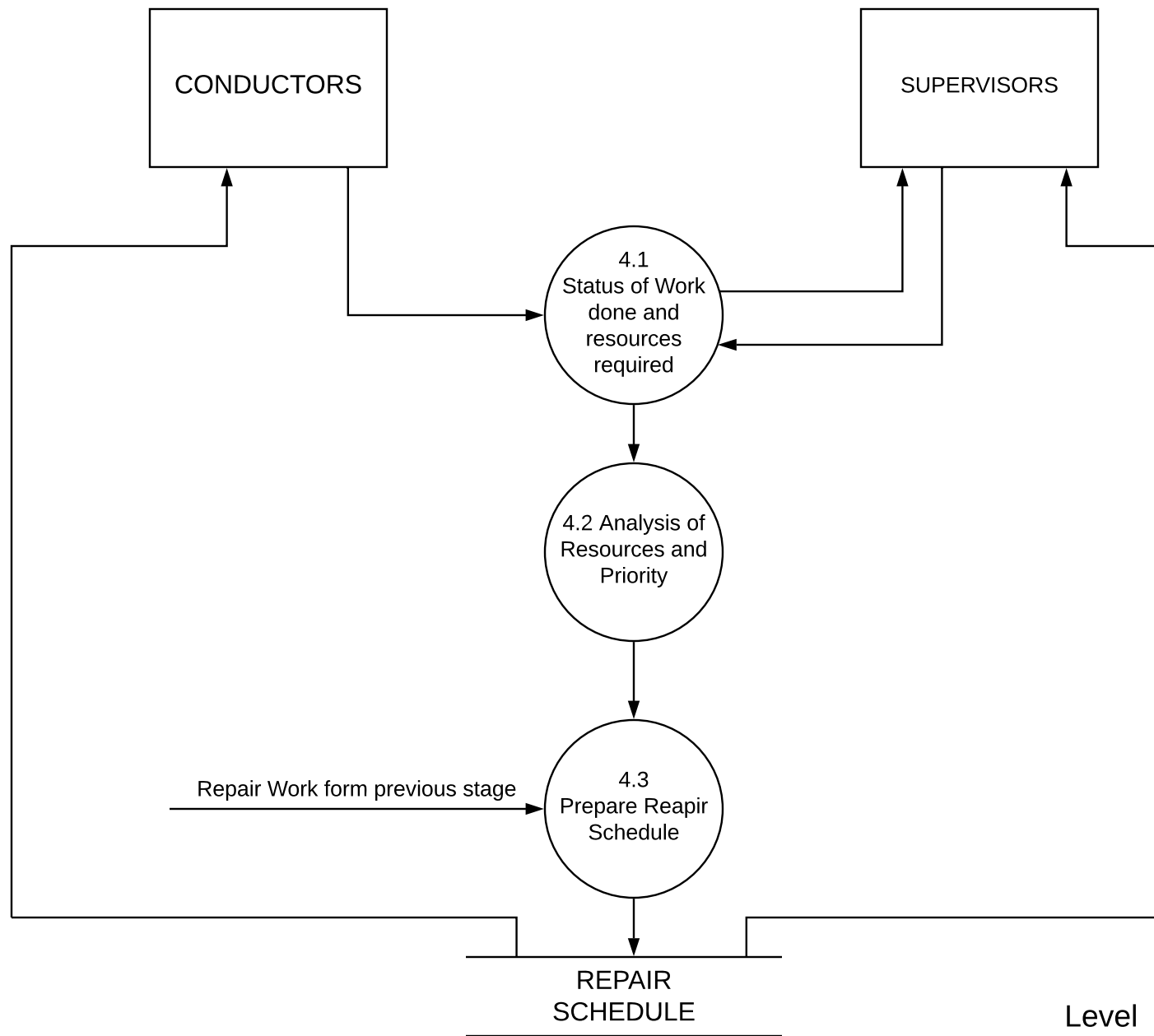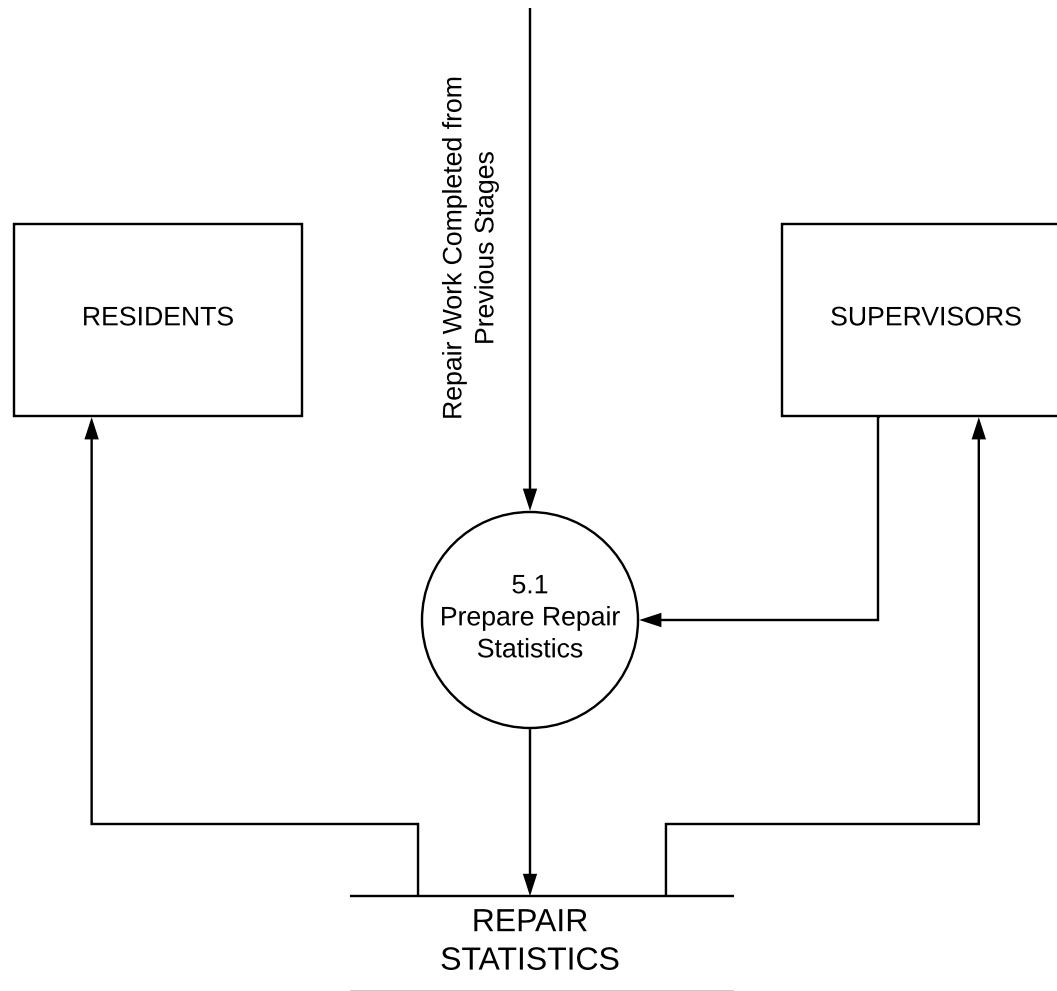
REPAIR
STATISTICS

Level 2
Data Flow Diagram
Repair Statistics