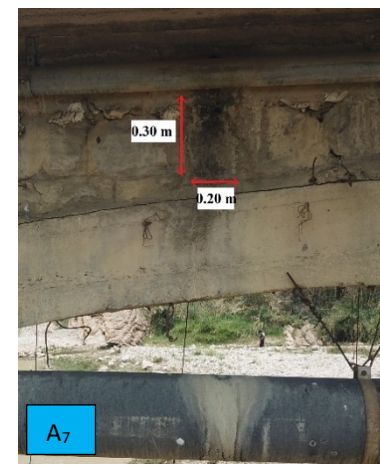# ANEXO 2
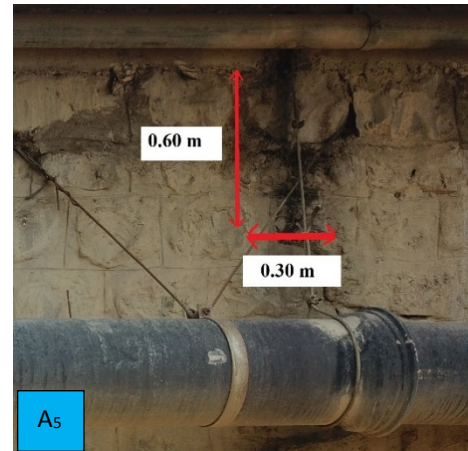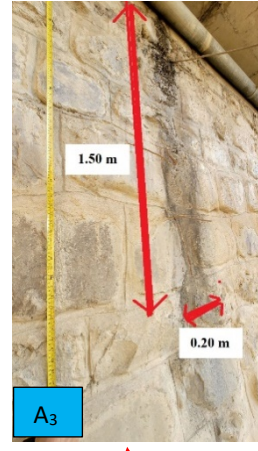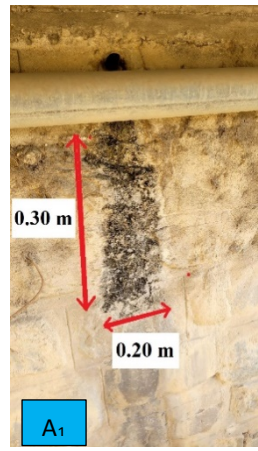# CROQUIS Y METRADOS DE PATOLOGIAS
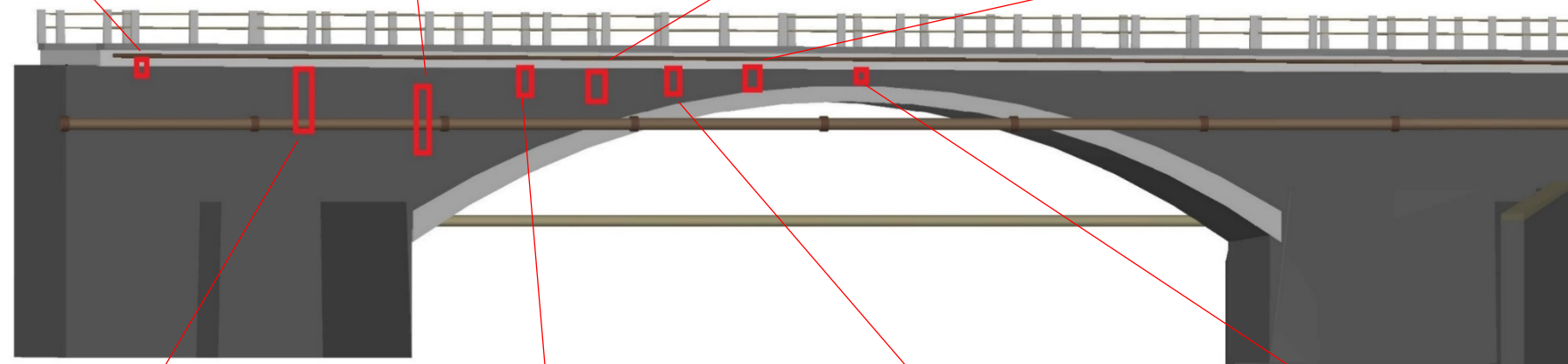
CANTIDAD DE AREA AFECTADA (m2)

$$A_1 = 0.30 * 0.20 = 0.06 \ m^2$$
$$A_2 = 1.20 * 0.20 = 0.24 \ m^2$$
$$A_3 = 1.50 * 0.20 = 0.3 \ m^2$$
$$A_4 = 0.40 * 0.20 = 0.08 \ m^2$$
$$A_5 = 0.60 * 0.30 = 0.18 \ m^2$$
$$A_6 = 0.30 * 0.20 = 0.06 \ m^2$$
$$A_7 = 0.30 * 0.20 = 0.06 \ m^2$$
$$A_8 = 0.20 * 0.10 = 0.02 \ m^2$$

$$A_{TOTAL} = 1 \ m^2$$

| UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO | PROYECTO DE GRADO: EVALUACION ESTRUCTURAL DE LAS PATOLOGIAS DEL PUENTE TOMATITAS PARA SU MANTENIMIENTO Y CONSERVACION | TITULO: CROQUIS Y METRADO DE PATOLOGIAS | COMPONENTE: TIMPANO DERECHO | PATOLOGIA: HUMEDAD | PLANO: Nro: 1 |

A₁
0.30 m
2.0 m

A₂
0.30 m
1.50 m

A₃
0.30 m
1.10 m

A₄
0.30 m
1.10 m

A₅
0.30 m
1.60 m

A₆
0.30 m
2.0 m

A₇
0.30 m
2.0 m
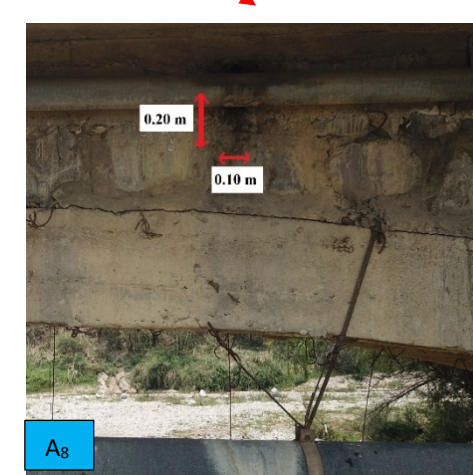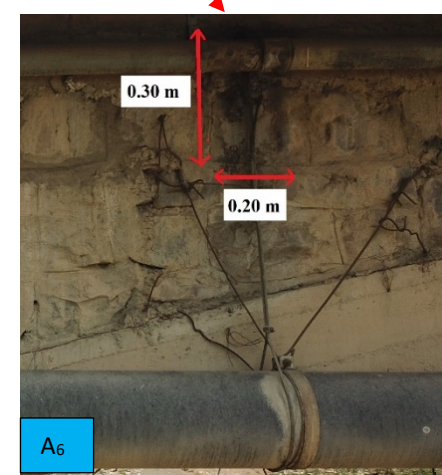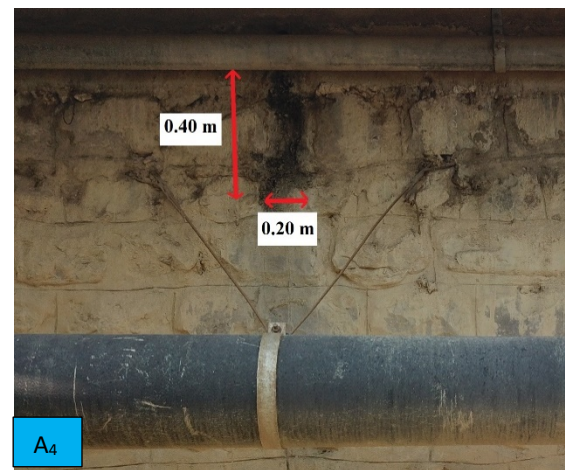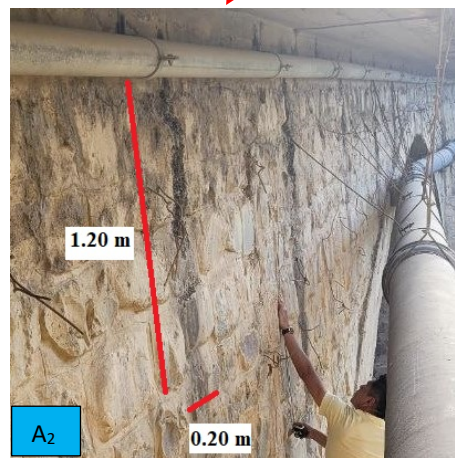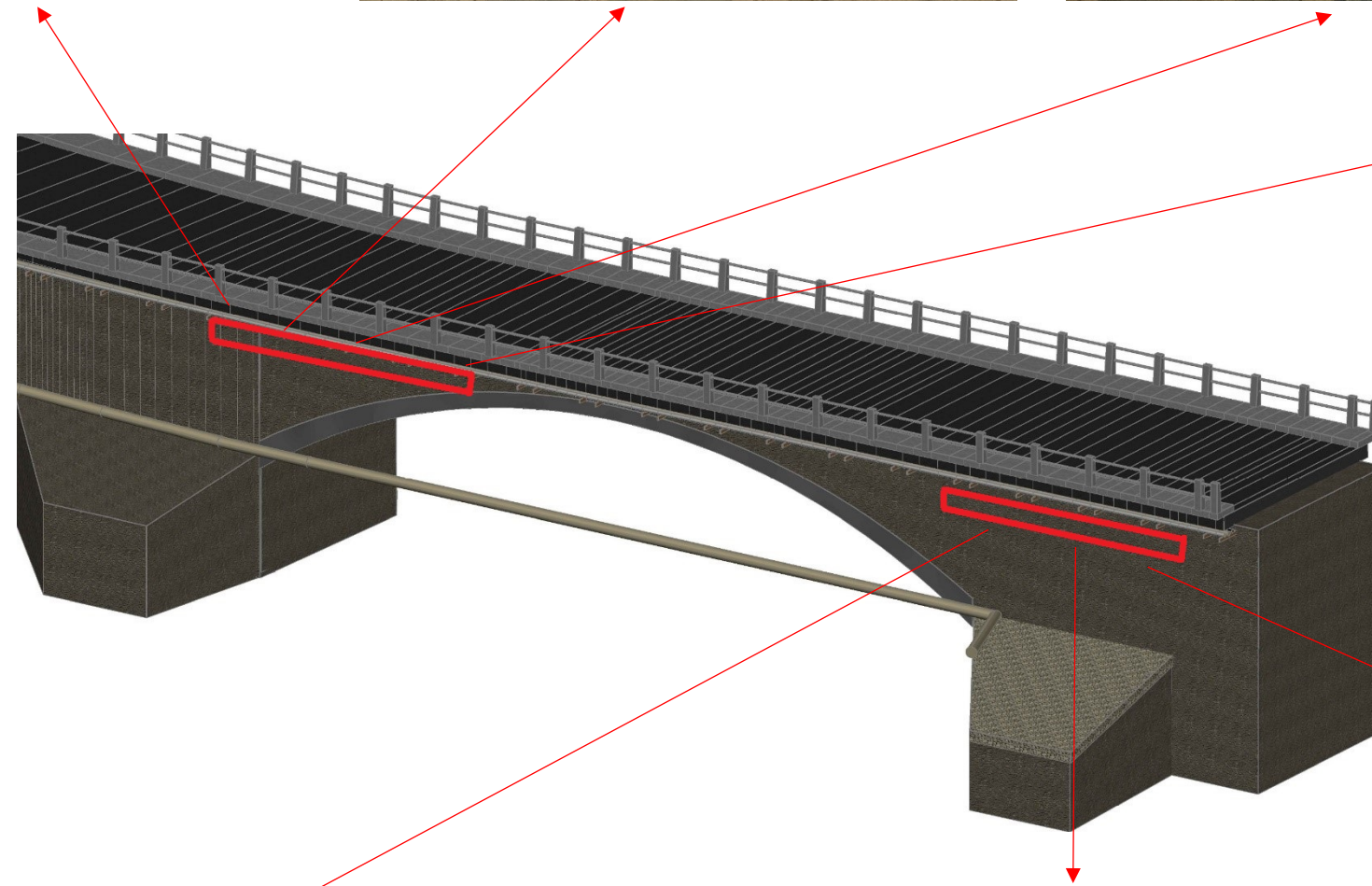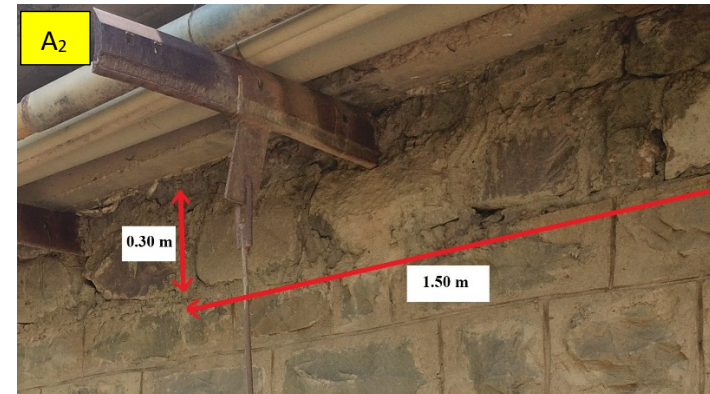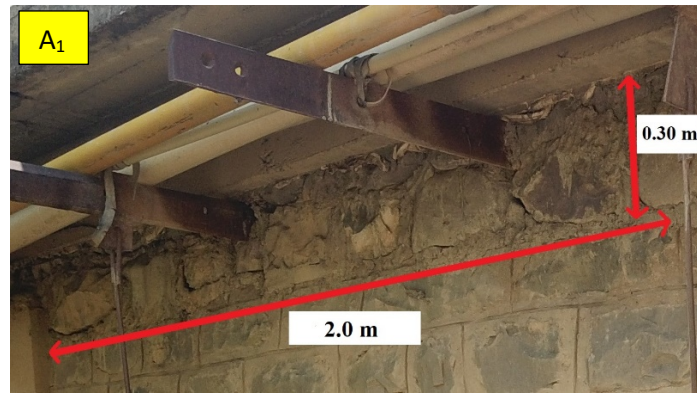
CANTIDAD DE AREA AFECTADA (m2)

$$A_1 = 2.00 * 0.30 = 0.60 \; m^2$$
$$A_2 = 1.50 * 0.30 = 0.45 \; m^2$$
$$A_3 = 1.10 * 0.30 = 0.33 \; m^2$$
$$A_4 = 1.10 * 0.30 = 0.33 \; m^2$$
$$A_5 = 1.60 * 0.30 = 0.48 \; m^2$$
$$A_6 = 2.00 * 0.30 = 0.6 \; m^2$$
$$A_7 = 2.00 * 0.30 = 0.6 \; m^2$$

$$A_{TOTAL} = 3.38 \; m^2$$

| UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO | PROYECTO DE GRADO: EVALUACION ESTRUCTURAL DE LAS PATOLOGIAS DEL PUENTE TOMATITAS PARA SU MANTENIMIENTO Y CONSERVACION | TITULO: CROQUIS Y METRADO DE PATOLOGIAS | COMPONENTE: TIMPANO IZQUIERDO | PATOLOGIA: GRIETAS EN JUNTAS | PLANO: Nro: 2 |
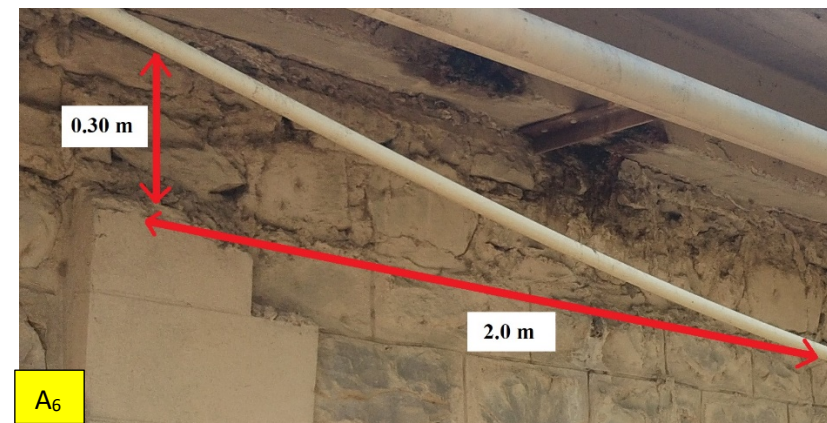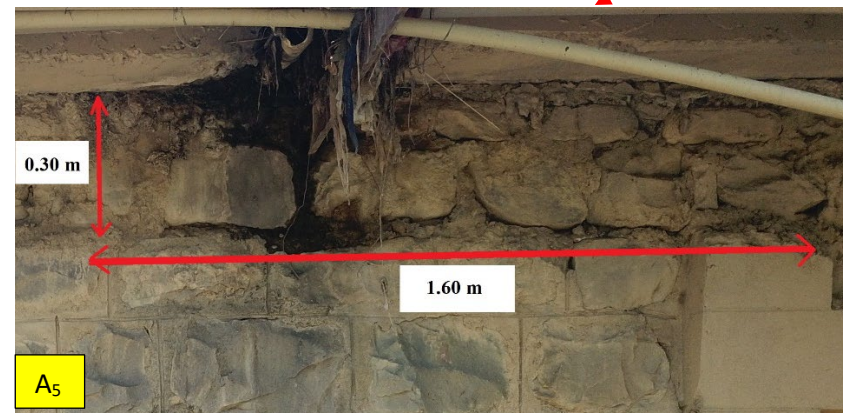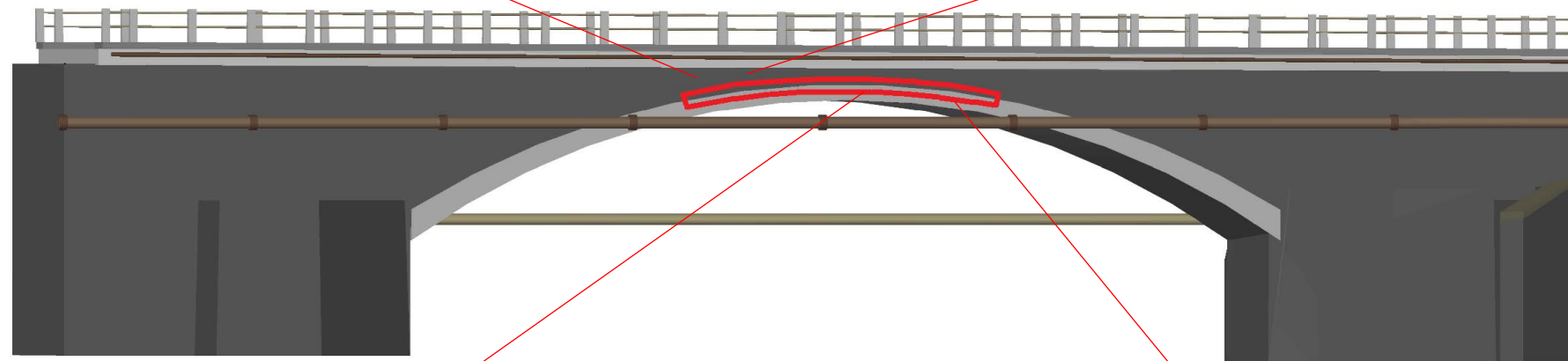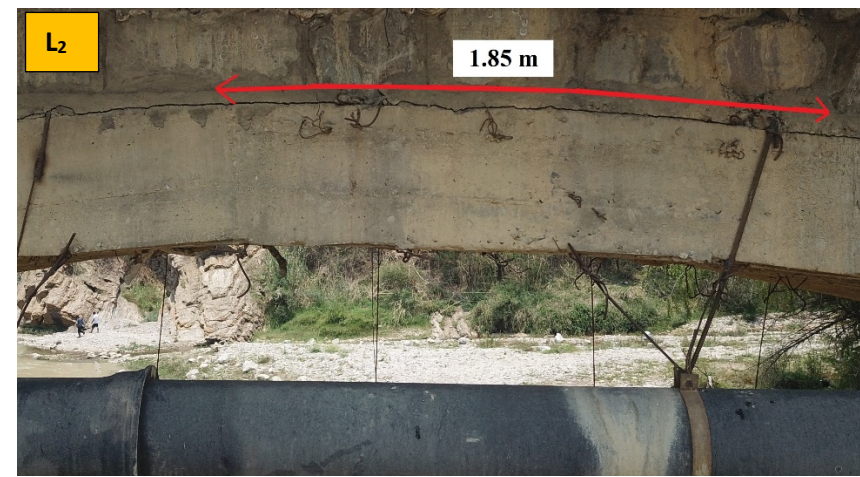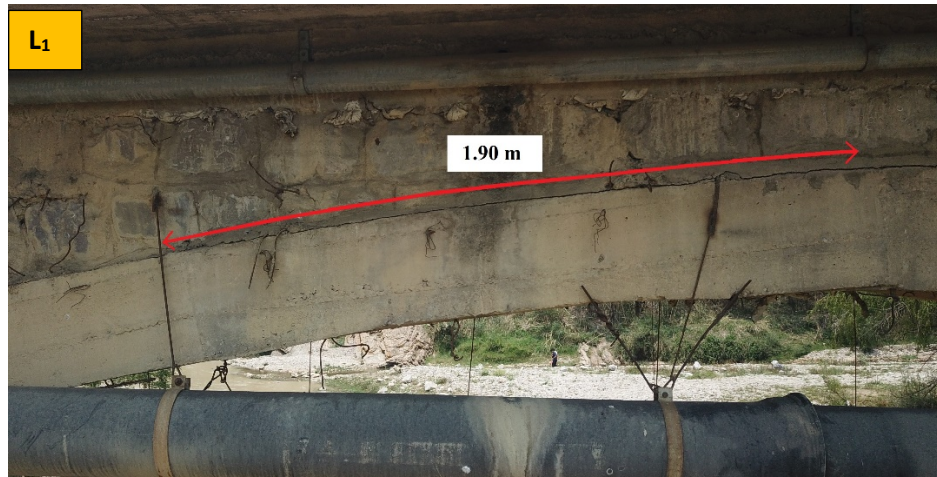
CANTIDAD AFECTADA (m)

$$L_1 = 1.90\ m$$
$$L_2 = 1.85\ m$$
$$L_3 = 1.85\ m$$
$$L_4 = 190\ m$$

$$L_{TOTAL} = 7.50\ m$$

| UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO | PROYECTO DE GRADO: EVALUACION ESTRUCTURAL DE LAS PATOLOGIAS DEL PUENTE TOMATITAS PARA SU MANTENIMIENTO Y CONSERVACION | TITULO: CROQUIS Y METRADO DE PATOLOGIAS | COMPONENTE: ARCO | PATOLOGIA: GRIETA ARCO -TIMPANO | PLANO: Nro: 3 |

1-D

1-IM

2-IM

3-IM

4-IM

2-D

7-D

3-D
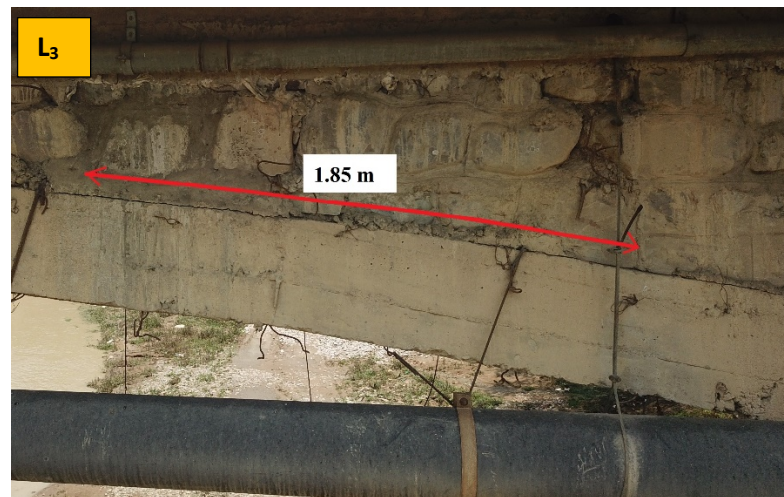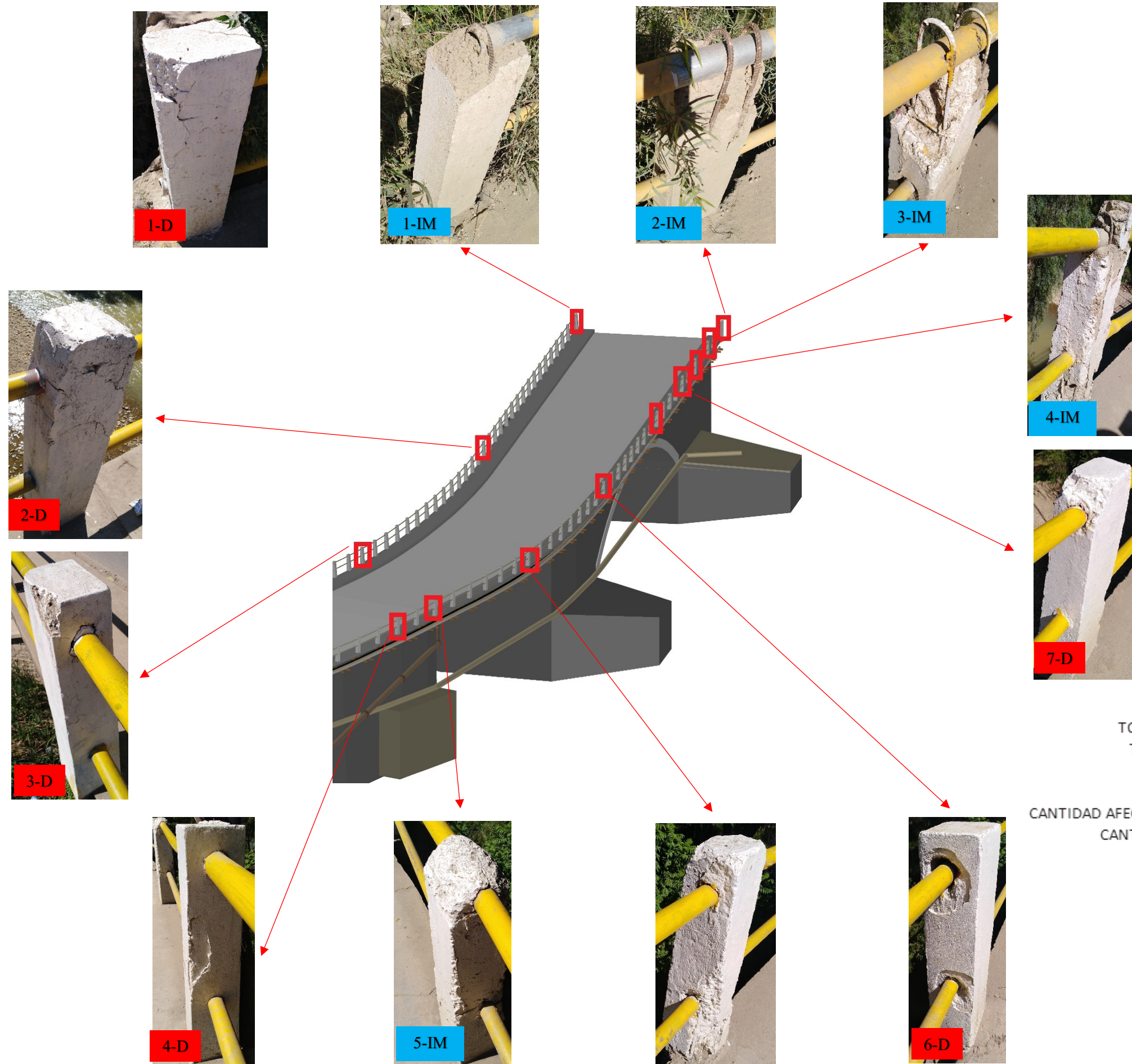
TOTAL POSTES LADO IZQUIERDO = 27
TOTAL POSTES LADO DERECHO = 27
TOTAL POSTES AFECTADOS = 12

CANTIDAD AFECTADA POR DESPRENDIMIENTO= 7
CANTIDAD AFECTADA POR IMPACTO= 5

ALTURA DE LOS POSTES = 0.83 m

CANTIDAD AFECTADA (m)

0.83m *7= 5.81 m
0.83m *5= 4.15 m

4-D

5-IM

6-D

| UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO | PROYECTO DE GRADO: EVALUACION ESTRUCTURAL DE LAS PATOLOGIAS DEL PUENTE TOMATITAS PARA SU MANTENIMIENTO Y CONSERVACION | TITULO: CROQUIS Y METRADO DE PATOLOGIAS | COMPONENTE: POSTES DE BARANDADO | PATOLOGIA: DESPRENDIMIENTO - IMPACTO | PLANO: Nro: 4 |