PHASE 1
E24 - N680 CONNECTOR OC
PM 14.31
S680 - W24 CONNECTOR OC
PM 14.31
OLYMPIC Blvd
OFF-RAMP Sep
PM R8.70
ROUTE 24 WB
SB OFF-RAMP
SB ROUTE 24
ROUTE 680
NB ROUTE 24
ROUTE 24 NB
N680 - W24 CONNECTOR OC
PM 14.20
MOUNT DIABLO Blvd UC
PM 14.22
MT DIABLO Blvd
LAS TRAMPAS CREEK RAMP
PM 13.72
LAS TRAMPAS CREEK OC
PM 13.72
Las Trampas Creek
SB ON-RAMP
NB OFF-RAMP
OLYMPIC Blvd
ALPINE Rd
OLYMPIC Blvd UC
PM 13.93
OLYMPIC Blvd
OFF-RAMP Sep
PM 14.07
LAS TRAMPAS CREEK
RAMP
PM 13.72
NEWELL Ave UC
PM 13.67
NEWELL Ave
LILAC DRIVE UC
PM 13.46
END NB EXPRESS LANE
SB OFF-RAMP
ROUTE 680 NB
MATCH LINE (SHEET 2)
R/W
SOUTH MAIN St
San Ramon Creek
CREEKSIDE Dr
LILAC Dr
BART
NB ROUTE 24
SB ROUTE 680
ROUTE 24
ROUTE 680 NB
NB OFF-RAMP
OAKLAND Blvd
OAKVALE Rd OC
PM 14.56
WALNUT CREEK OC
BARTD C007
PM 9.26
TRINITY Ave
OAKLAND Blvd OC
PM 14.56
YGNACIO VALLEY OFF-RAMP
SB ON-RAMP
ROUTE 680
MATCH LINE (SEE SHEET 4)
1260
1280
1285
1290
1295
1300
1305
1310
1315
1320
1325
1330
1335
1340
1345
1350
17
18
19
20
21

CURVE DATA

No. #	R	Δ	T	L	NORTHING	EASTING
17	1768′	29°54′33″	472.23′	922.92′	2148911.34	6110738.00
18	11370′	2°18′07″	228.44′	456.82′	2140916.60	6105419.86
19	1200′	70°07′03″	842.09′	1468.54′	2153111.76	6109592.82
20	5000′	5°20′32″	233.26′	466.19′	2155055.76	6103668.34
21	10000′	2°51′53″	250.05′	500.00′	2153170.21	6118547.85

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CCTA_680 NB_Geometric Alternatives_Sheet 03.dgn

METROPOLITAN
TRANSPORTATION
COMMISSION

CONTRA COSTA
transportation
authority

HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 3 OF 10
DATE 4/12/2023
SCALE 1" = 100′

YGNACIO VALLEY Rd UC
(S680 - W24 Conn)
PM 14.85
HILLSIDE Ave
R/W
MATCH LINE (SEE SHEET 3)
1358+21.18PC
WB
ROUTE 24
SB OFF-RAMP
22
1360
1365
1368+30.37PT
1370
1375
1380
PARKSIDE Dr
SAN JUAN Dr
YGNACIO VALLEY Rd
YGNACIO VALLEY Rd UC
PM 14.85
PARKSIDE DR UC
PM 15.24
1389+33.70PC
1392+74.60PC
SB ON-RAMP
23
1395+44.44PT
1395+91.66POB
1397+74.16PC
1398+70.62PC
NORTH MAIN St OC
PM 15.61
SAN LUIS Rd
NB OFF-RAMP
1395
B1
NORTH MAIN St
1400
NMT-RW1
1402+33.25PT
1402+23.74PT
1404+36.97PT
1404+56.37PC
1405+37.45PC
1407+04.62PT
1400+53.39PCC
1405+09.01POE
1403+62.47PT
N1
LW1
N2
B2
NMT-RW2
NB ON-RAMP
1398+51.90POB
1398+92.97PC
LAWRENCE WAY
ON-RAMP UC
PM 15.71
LAWRENCE Way
1405+37.00PC
LW2
NMT-RW4
NMT-RW3
B3
1405
1410
24
SB OFF-RAMP
1413+32.73PT
1414+04.63PT
1416+17.82PC
1416+39.51PC
1421+47.44PCC
Contra Costa Canal
1425+20.45PT
1426+97.50PRC
1427+73.88PC
1429+48.57PT
1430+67.57POE
1434+92.46PT
25
26
SB
ROUTE 680
NB
1415
1420
1425
1430
1435
B4
B5
B6
NMT-RW5
NB OFF-RAMP
JONES Rd
CONTRA COSTA CANAL
PM 16.08
SB ON-RAMP
GEARY Rd
1442+35.43PC
1448+02.08PCC
27
28
1440
1445
1450
NB ON-RAMP
BUSKIRK Ave
TREAT Blvd
R/W
MATCH LINE (SHEET 5)
NB TRUCK SCALE
FACILITY
TREAT Blvd OC
PM 16.40

CURVE DATA

No. (#)	R	Δ	T	L	NORTHING	EASTING
22	10001′	5°46′54″	505.02′	1009.19′	2154001.13	6118666.76
23	3218′	22°58′08″	653.80′	1290.03′	2157968.90	6112776.95
24	2840′	19°07′50″	478.58′	948.26′	2162018.14	6108265.06
25	13000′	3°52′58″	440.64′	880.94′	2165808.92	6098835.81
26	3909′	10°31′54″	360.30′	718.58′	2163440.21	6107616.20
27	25600′	1°16′06″	283.34′	566.65′	2166507.35	6086130.55
28	25600′	3°40′51″	822.58′	1644.60′	2166507.35	6086130.55
B1	3150′	4°54′29″	135.00′	269.84′	2157724.43	6112668.11
B2	2275′	9°07′58″	181.70′	362.63′	2158458.14	6112090.45
B3	2320′	19°38′26″	401.58′	795.28′	2161672.15	6108792.46
B4	7850′	3°21′17″	229.88′	459.63′	2163970.74	6103750.30
B5	23554′	1°20′17″	275.04′	550.06′	2168687.37	6088771.29
B6	5130′	2°48′15″	125.56′	251.07′	2160713.49	6116324.73
N1	125′	127°59′15″	256.22′	279.23′	2159530.60	6110257.92
N2	185′	95°43′34″	204.48′	309.09′	2159514.26	6110200.18
LW1	545′	57°11′26″	297.08′	544.00′	2159768.62	6110911.72
LW2	113269′	0°05′05″	83.81′	167.63′	2225225.99	6017804.63

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CCTA_680 NB_Geometric Alternatives_Sheet 04.dgn

METROPOLITAN
TRANSPORTATION
COMMISSION

CONTRA COSTA
transportation
authority

HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 4 OF 10
DATE 4/12/2023
SCALE 1" = 100′

CONTRA COSTA Blvd
S680 ON RAMP
PM R17.44
CONTRA COSTA Blvd
SB ON-RAMP
SB ON-RAMP
N MAIN St
29
28
30
31
1464+46.68PT
1464+85.96PC
1477+27.71PT
1482+81.99PC
1498+14.93PT
1534+61.86PC
1541+43.84PT
OAK PARK Blvd
MATCH LINE (SHEET 4)
R/W
SB OFF-RAMP
ROUTE 680
SB
NB
ROUTE 680
NB ON-RAMP
NB ON-RAMP
BUSKIRK Ave
OAK Rd
OAK PARK Blvd OC
PM 16.88
1455
1460
1465
1470
1475
1480
1485
1490
1495
1500
1505
1510
1515
1520
1525
1530
1535
1540
NB OFF-RAMP
BUSKIRK Ave
CONTRA COSTA Blvd
OFF-RAMP Sep
PM R17.40
NB OFF-RAMP
SB
ROUTE 680
"L" LINE
ROUTE 680
NB
GREGORY Ln
MONUMENT Blvd
MONUMENT Blvd UC
PM R17.70
NB ON-RAMP
SHERMAN Dr
M242-RW1
R/W
R/W
MATCH LINE (SHEET 6)

CURVE DATA

No. (#)	R	△	T	L	NORTHING	EASTING
28	25600′	3°40′51"	822.58′	1644.60′	2166507.35	6086130.55
29	30000′	2°22′18"	620.96′	1241.74′	2166639.80	6081732.36
30	4100′	21°25′20"	775.53′	1532.94′	2167883.19	6115814.20
31	12581′	3°06′21"	341.07′	681.98′	2168367.02	6125033.38

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CCTA_680 NB_Geometry Alternatives Exhibit.tbl
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METROPOLITAN
TRANSPORTATION
COMMISSION

CONTRA COSTA
transportation
authority

HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 5 OF 10
DATE 4/12/2023
SCALE 1" = 100′

MATCH LINE (SHEET 5)
R/W
SB OFF-RAMP
SB ON-RAMP
1545+86.13PC
1549+25.06PT
32
M242-RW2
1545
1550
1553+22.97PC
1555
1557+48.08PT
33
NB ROUTE 242
1560
1561+07.01PC
WALNUT CREEK
1563+80.05PT
1565
1568+64.90POE
SB ROUTE 242
NB ROUTE 242
1569+53.84PT
1570
"L" LINE
1575
1580
1582+54.27PC
NB OFF-RAMP
SB ROUTE 680
ROUTE 680 NB
1585
1590
SUNVALLEY Blvd
WILLOW PASS Rd
34
1595
1595+39.92PT
NB ON-RAMP
1600
1605
1610
1615
MATCH LINE (SHEET 7)
WALNUT CREEK (N680 - N242 CONN)
Br No. 28 0040G
PM R18.70
WALNUT CREEK (S242 - S680 CONN)
Br No. 28 0040F
PM R18.71
WILLOW PASS Rd UC
PM 19.04

CURVE DATA

No. #	R	△	T	L	NORTHING	EASTING
32	20000'	0°58'15"	169.47'	338.93'	2181696.81	6095300.67
33	2086'	44°47'41"	859.67'	1630.87'	2175238.50	6112014.74
34	7450	9°53'35"	644.78	1286.36	2174398.16	6106559.44

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METROPOLITAN
TRANSPORTATION
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CONTRA COSTA
transportation
authority

HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 6 OF 10
DATE 4/12/2023
SCALE 1" = 100'

MATCH LINE (SHEET 6)
R/W
R/W
1625+86.94PC
1620
1625
1630
1635
1640
35
1647+00.47PT
1645
1650
1655
"L" LINE
1660
1660+92.97PC
36
1663+91.29PT
1665
1668+99.97PC
37
1671+90.73PT
1670
1675
1680
1681+64.34PC
38
1685+56.48PT
1685
1688+06.84PC
1690
39
R/W
R/W
MATCH LINE (SHEET 8)

CURVE DATA

No. (#)	R	△	T	L	NORTHING	EASTING
35	5000′	24°13′09"	1072.78	2113.52	2183622.78	6115457.88
36	40000′	0°25′38"	149.16′	298.32′	2189911.28	6149916.46
37	40000′	0°24′59"	145.38′	290.76′	2179784.18	6070558.41
38	40000′	0°33′42"	196.07′	392.14′	2180748.18	6070422.02
39	3000′	35°40′27"	965.34′	1867.89′	2186538.02	6106967.06

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CCTA_680 NB_Geometry Alternatives Exhibit.tbl
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CCTA_680 NB_Geometric Alternatives_Sheet 07.dgn

METROPOLITAN TRANSPORTATION COMMISSION
CONTRA COSTA transportation authority
HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 7 OF 10
DATE 4/12/2023
SCALE 1" = 100′

MATCH LINE (SHEET 7)
MATCH LINE (SHEET 9)
R/W
"L" LINE
1695
1700
1705
1710
1715
1720
1725
1730
1735
1740
1745
1750
1755
1760
1765
1770
1775
1780
1706+74.74PT
1712+15.71PC
1715+64.78PT
1726+16.46PC
1731+46.04PT
1751+11.94PC
1754+00.70PT
1755+36.48PC
1758+22.25PT
1768+57.53PC
1770+75.60PT
1773+58.43PC
1776+53.36PT
1778+25.07PC
39
40
41
42
43
44
45
46
DIKE
CULV
PIPE

CURVE DATA

No. ㊞	R	Δ	T	L	NORTHING	EASTING
39	3000′	35°40′27"	965.34′	1867.89′	2186538.02	6106967.06
40	40000′	0°30′00"	174.53′	349.07′	2216951.22	6137369.85
41	8000′	3°47′34"	264.89′	529.58′	2195566.27	6113541.51
42	40000′	0°24′49"	144.38′	288.76′	2217639.89	6136792.74
43	40000′	0°24′34"	142.89′	285.77′	2166969.36	6075049.67
44	40000′	0°18′44"	109.03′	218.07′	2167562.53	6074384.31
45	54851′	0°18′29"	147.47′	294.94′	2229132.28	6146536.64
46	9000′	3°18′09"	259.45′	518.76′	2199793.70	6111300.42

METROPOLITAN
TRANSPORTATION
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transportation
authority

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SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 8 OF 10
DATE 4/12/2023
SCALE 1" = 100′

MATCH LINE (SHEET 8)
R/W
R/W
46
1783+43.84PT
1785
1790
1794+37.18PC
47
1797+07.31PT
1795
1800
1803+48.32PC
48
1806+18.45PT
1805
1810
1815
1816+78.15PC
1820
49
1826+14.82PT
1825
"L" LINE
1830
1832+54.17PC
50
1836+03.23PT
1835
1838+95.02PC
51
1841+03.54PT
1840
1845
1846+50.58PC
52
1850
1855+12.45PT
1855
1860+73.75PC
1861+76.07PT
53
1860
1865
BEGIN HOV LANE
1870
1873+80.06POE
R/W
R/W
MATCH LINE (SHEET 10)
EXISTING CHP OBSERVATION AREA
FASTRAK MARKING TO BE REMOVED BY BATA AET PROJECT

CURVE DATA

No. (#)	R	Δ	T	L	NORTHING	EASTING
46	2074′	25°52′34"	476.46′	936.67′	2195853.84	6100433.39
47	40000′	0°23′13"	135.07′	270.13′	2219194.01	6135504.20
48	40000′	0°23′13"	135.07′	270.13′	2172341.96	6070655.95
49	2074′	2°45′45"	476.46′	936.67′	2195853.84	6100433.39
50	40000′	0°30′00"	174.53′	349.07′	2162486.26	6082394.68
51	11000′	1°05′10"	104.26′	208.52′	2208087.95	6105232.62
52	16040′	3°04′43"	431.04′	861.87′	2212794.29	6107117.08
53	2500′	2°20′42"	51.17′	102.32′	2197199.83	6097075.19

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 9 OF 10
DATE 4/12/2023
SCALE 1" = 100′

METROPOLITAN TRANSPORTATION COMMISSION
CONTRA COSTA transportation authority
HDR

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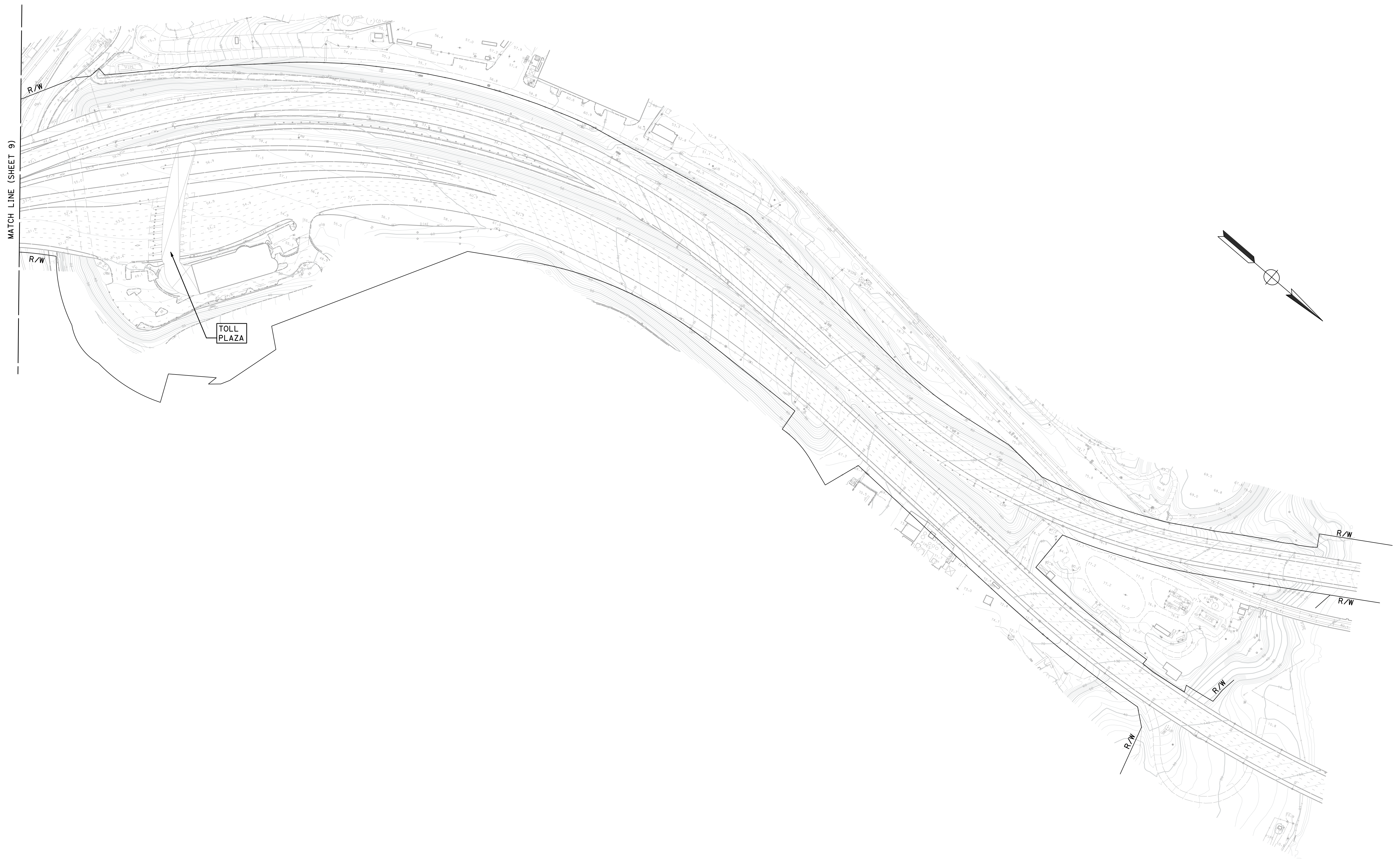

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CCTA_680 NB_Geometric Alternatives_Sheet 10.dgn

METROPOLITAN TRANSPORTATION COMMISSION
CONTRA COSTA transportation authority
HDR

SCALE
200 0 100 200 400
(IN FEET)

I-680 NORTHBOUND EXPRESS LANE
ALTERNATIVE 2

EA 04-0Q3100
PROJECT ID 0418000070

SHEET 10 OF 10
DATE 4/12/2023
SCALE 1" = 100'