



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
STREETS				
	EA	Tree Removal	\$ 800.00	\$ -
	CY	Concrete Removal	\$ 325.00	\$ -
	CY	AC Pavement Removal	\$ 100.00	\$ -
	CY	Imported Common Fill (Incl. Compaction)	\$ 34.00	\$ -
	SF	Preparation of Subgrade, Sidewalk and Paving	\$ 1.00	\$ -
	LF	PCC 8" Curb & 24" Gutter on 6" AB	\$ 26.00	\$ -
	LF	PCC 6" Curb & 24" Gutter on 6" AB	\$ 24.00	\$ -
	LF	PCC Curb Only	\$ 20.00	\$ -
	LF	8" A.C. Berm	\$ 20.00	\$ -
	SF	8" PCC Cross Gutter on 6" AB	\$ 16.00	\$ -
	SF	4" PCC Sidewalk	\$ 5.80	\$ -
	SF	6" PCC Thick Drive Approach on 6" AB	\$ 12.50	\$ -
	SF	8" PCC Thick Drive Approach on 6" AB	\$ 15.00	\$ -
	LF	2" x 6" Redwood Header	\$ 7.50	\$ -
	EA	Street Sign and Post	\$ 475.00	\$ -
	EA	Traffic Sign and Post	\$ 400.00	\$ -
	EA	Reflector Sign and Post	\$ 175.00	\$ -
	EA	Painted Legend	\$ 6.50	\$ -
	SF	Prime or Tack Coat	\$ 0.08	\$ -
	TON	AC Variable - <300T	\$ 130.00	\$ -
	TON	AC Variable - >300T	\$ 120.00	\$ -
	TON	CAB Variable - <300T	\$ 100.00	\$ -
	TON	CAB Variable - >300T	\$ 90.00	\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
STREETS				
	EA	Adjust Sewer Manhole to Grade	\$ 950.00	\$ -
	EA	Adjust Sewer Cleanout to Grade	\$ 500.00	\$ -
	EA	Adjust Water Valve and Can to Grade	\$ 525.00	\$ -
	EA	Street Light (City Owner)	\$ 7,700.00	\$ -
	EA	Electrical Pedestal	\$ 6,500.00	\$ -
	EA	Lot Monument Setting Fee	\$ 550.00	\$ -
	LF	Sawcut A.C.	\$ 3.00	\$ -
	LF	Sawcut Concrete	\$ 3.00	\$ -
	SF	Cold Plane A.C. 2" Thick	\$ 0.28	\$ -
	LF	Signing & Striping for		
		Arterial	\$ 19.00	\$ -
		Collector	\$ 13.00	\$ -
		Local	\$ 7.00	\$ -
	EA	Traffic Signal (8 - Phase Controller)	\$ 350,000.00	\$ -
	EA	Modify existing Traffic Signal per Quadrant	\$ 75,000.00	\$ -
	LF	Chain Link Fence		
		4 foot Residential Grade (Add \$7.00/LF for Removal of Existing Fence)	\$ 25.00	\$ -
		6 foot School fence (Add \$9.00/LF for Removal of Existing Fence)	\$ 35.00	\$ -
	EA	Utility Poles		
		Transmission	\$ 11,500.00	\$ -
		Distribution	\$ 8,000.00	\$ -
		Service	\$ 3,000.00	\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

STREETS				
	SF	Landscape (Including shrubs, Hardscape, Irrigation, Ground Cover, Lighting, Installation Labor and Connection to Existing Systems)	\$ 15.00	\$ -
	LF	14 foot Median with Landscape, Irrigation, Lighting, Hardscape, Curb, Gutter & Pavement	\$ 300.00	\$ -
		Rail Road Crossing		
	LS	Safety Equipment (Complete Including Crossing Gates, Signs, and Lights)	\$ 500,000.00	\$ -
	SF	Track Crossing (Concrete)	\$ 175.00	\$ -
	SF	Approach	\$ 4.00	\$ -
	EA	S.W. Ramps (A.D.A. Compliant)	\$ 4,000.00	\$ -
	EA	Traffic Signal Loops	\$ 600.00	\$ -

STREETS				
		STREET SUBTOTAL		\$ -
	LS	Mobilization (5% of Construction Cost)	5%	\$ -
	LS	Traffic Control (5% of Construction Cost)	5%	\$ -
	LS	Clear & Grub Site (5% of Construction Cost)	5%	\$ -
	LS	Excavation (Clean Material) (5% of Construction Cost)	5%	\$ -
GRAND TOTAL STREETS ONLY				\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

WATER				
	LF	Trench Support/Shoring (6 foot depth)	\$ 15.00	\$ -
	CY	Pipe Bedding & Compaction (Imported)	\$ 90.00	\$ -
	LF	6" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 80.00	\$ -
	LF	8" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration.	\$ 100.00	\$ -
	LF	12" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 135.00	\$ -
	LF	18" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 175.00	\$ -
	LF	Removal, Disposal of ACP and Backfill	\$ 150.00	\$ -
	EA	6" Gate Valve	\$ 2,000.00	\$ -
	EA	8" Gate Valve	\$ 2,600.00	\$ -
	EA	12" Gate Valve	\$ 4,500.00	\$ -
	EA	18" Gate Valve	\$ 7,500.00	\$ -
	EA	Fire Hydrant Assembly per City Std.	\$ 7,500.00	\$ -
	EA	Blow-off Assembly 4" per City Std.	\$ 8,600.00	\$ -
	EA	2" Air Relief Assembly	\$ 4,500.00	\$ -
	EA	1" Water Service/Meter	\$ 3,500.00	\$ -
	EA	2" Water Service/Meter	\$ 4,500.00	\$ -

WATER				
		WATER SUBTOTAL		\$ -
	LS	Mobilization (5% of Construction Cost)	5%	\$ -
	LS	Traffic Control (5% of Construction Cost)	5%	\$ -
GRAND TOTAL WATER ONLY				\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

RECYCLED WATER				
	LF	Trench Support/Shoring (6 foot depth)	\$ 15.00	\$ -
	CY	Pipe Bedding (Imported)	\$ 90.00	\$ -
	LF	6" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 80.00	\$ -
	LF	8" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration.	\$ 100.00	\$ -
	LF	12" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 135.00	\$ -
	LF	18" Pipe & Fittings Installed, including excavation, bedding, backfill and pavement restoration	\$ 175.00	\$ -
	EA	6" Gate Valve	\$ 2,000.00	\$ -
	EA	8" Gate Valve	\$ 2,600.00	\$ -
	EA	12" Gate Valve	\$ 4,500.00	\$ -
	EA	18" Gate Valve	\$ 7,500.00	\$ -
	EA	Fire Hydrant Assembly per City Std.	\$ 7,500.00	\$ -
	EA	Blow-off Assembly 5" per City Std.	\$ 8,600.00	\$ -
	EA	2" Air Relief Assembly	\$ 4,500.00	\$ -
	EA	1" Water Service/Meter	\$ 3,500.00	\$ -
	EA	2" Water Service/Meter	\$ 4,500.00	\$ -

RECYCLED WATER				
		RECYCLED WATER SUBTOTAL		\$ -
	LS	Mobilization (5% of Construction Cost)	5%	\$ -
	LS	Traffic Control (5% of Construction Cost)	5%	\$ -
GRAND TOTAL RECYCLED WATER ONLY				\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

SEWER				
	LF	Trench Support/Shoring	\$ 15.00	\$ -
	LF	4" Installed, including excavation, bedding, backfill and pavement restoration	\$75.00	\$ -
	LF	8" Installed, including excavation, bedding, backfill and pavement restoration	\$93.00	\$ -
	LF	10" Installed, including excavation, bedding, backfill and pavement restoration	\$103.00	\$ -
	LF	12" Installed, including excavation, bedding, backfill and pavement restoration	\$123.00	\$ -
	LF	15" Installed, including excavation, bedding, backfill and pavement restoration	\$143.00	\$ -
	LF	18" Installed, including excavation, bedding, backfill and pavement restoration	\$163.00	\$ -
	LF	21" Installed, including excavation, bedding, backfill and pavement restoration	\$193.00	\$ -
	LF	24" Installed, including excavation, bedding, backfill and pavement restoration	\$208.00	\$ -
	EA	Sewer Saddle	\$450.00	\$ -
	EA	Wyes 4" x 8" Typical	\$225.00	\$ -
	EA	48" Sewer Manhole	\$4,700.00	\$ -
	EA	60" Sewer Manhole	\$7,500.00	\$ -
	EA	Sewer Cleanout	\$1,800.00	\$ -

SEWER				
		SEWER SUBTOTAL		\$ -
	LS	Mobilization (5% of Construction Cost)	5%	\$ -
	LS	Traffic Control (5% of Construction Cost)	5%	\$ -
GRAND TOTAL SEWER ONLY				\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

STORM DRAIN				
	LF	24" X 36" C.M.P.A. (10 Gauge)	\$ 230.00	\$ -
	LF	27" x 43" C.M.P.A (10 Gauge)	\$ 250.00	\$ -
	EA	Storm Drain Manhole #1	\$ 10,000.00	\$ -
	EA	Junction Structure #2 (24" or larger)	\$ 8,850.00	\$ -
	EA	Junction Structure #4 (24" or smaller)	\$ 4,000.00	\$ -
	EA	Outlet Structure	\$ 7,000.00	\$ -
	EA	Catch Basin 3.5' Width	\$ 7,200.00	\$ -
	EA	Catch Basin 7' Width/L.D.	\$ 7,900.00	\$ -
	EA	Catch Basin 10' Width/L.D.	\$ 9,950.00	\$ -
	EA	Catch Basin 14' Width/L.D.	\$ 11,000.00	\$ -
	EA	Catch Basin 21' Width/L.D.	\$ 13,000.00	\$ -
	LF	18 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 200.00	\$ -
	LF	24 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 240.00	\$ -
	LF	27 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 260.00	\$ -
	LF	30 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 280.00	\$ -
	LF	33 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 295.00	\$ -
	LF	36 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 310.00	\$ -
	LF	39 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 320.00	\$ -
	LF	42 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 330.00	\$ -
	LF	45 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 360.00	\$ -
	LF	48 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 385.00	\$ -
	LF	54 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 440.00	\$ -
	LF	60 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 500.00	\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

STORM DRAIN				
	LF	66 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 560.00	\$ -
	LF	72 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 625.00	\$ -
	LF	78 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 690.00	\$ -
	LF	84 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 765.00	\$ -
	LF	90 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 830.00	\$ -
	LF	96 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 920.00	\$ -
	LF	102 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,000.00	\$ -
	LF	108 inch RCP Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,075.00	\$ -
	LF	7' x 6' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 700.00	\$ -
	LF	7' x 8.5' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 820.00	\$ -
	LF	7' x 9.5' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 870.00	\$ -
	LF	8' x 11' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,000.00	\$ -
	LF	8' x 13' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,100.00	\$ -
	LF	9' x 9' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,000.00	\$ -
	LF	9' x 12' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 1,100.00	\$ -
	LF	4' x 6' RCB Installed, including excavation, bedding, backfill and pavement restoration	\$ 680.00	\$ -

STORM DRAIN				
		STORM DRAIN SUBTOTAL		\$ -
	LS	Mobilization (5% of Construction Cost)	5%	\$ -
	LS	Traffic Control (5% of Construction Cost)	5%	\$ -
GRAND TOTAL STORM DRAIN ONLY				\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
		GRAND TOTAL STREETS ONLY		\$ -
		GRAND TOTAL WATER ONLY		\$ -
		GRAND TOTAL RECYCLED WATER ONLY		\$ -
		GRAND TOTAL SEWER ONLY		\$ -
		GRAND TOTAL STORM DRAIN ONLY		\$ -
		GRAND TOTAL (FOR PLAN CHECK & INSPECTION FEE DETERMINATION)		\$ -

PROJECT ADDITIVES		<i>Project Contingencies</i>	10%	\$ -
		<i>Construction Staking</i>	3%	\$ -
		<i>Soils Testing</i>	1%	\$ -
		<i>Material Testing</i>	1%	\$ -
		<i>Construction Inspection</i>	4.8%	\$ -
		<i>Contract Administration</i>	1%	\$ -
		GRAND TOTAL (FOR BOND AMOUNTS)		\$ -



CITY OF CHINO

ENGINEERING COST ESTIMATE

PROJECT NO: _____
 LOCATION : _____
 By: _____
 DATE: _____

Quantity	Unit	Item	Unit Price	Total Cost Per Item
----------	------	------	------------	---------------------

BY ENGINEER

Prepared By: _____

R.C.E. Number: _____

Expiration: _____

Place R.C.E. Stamp and Signature Here (required)

BY CITY	
<i>Faithful Performance Bond (100% of Construction Cost)</i>	\$ -
<i>Labor & Material Bond (50% of Construction Cost)</i>	\$ -
<i>Warranty Bond (10% of Construction Cost)</i>	\$ -