

2021

CON CAST PIPE

PRICE LIST



CON CAST PIPE



Table of Contents

Terms & Conditions - Pages 2, 3, & 4
Reinforced Concrete Pipe, Caps, and Plugs - Page 5
Scribed Holes & Knockouts - Page 5
Reducers & Increases - Page 5
Concrete Pipe – Approximate Mass & Dimensions - Page 6
PERFECT Pipe – HDPE Lined Concrete Pipe - Page 7
Tees & Wyes - Concrete & PVC Connections - Page 8
Reinforced Concrete Bends - Page 9
Elliptical Reinforced Concrete Pipe - Page 10
Reinforced Concrete Box Units - Page 11
Reinforced Concrete Maintenance Holes - 1200mm to 2400mm - Page 12
Reinforced Concrete Maintenance Holes - 3000mm & 3600mm - Page 13
Reinforced Concrete Maintenance Holes - Appurtenances - Page 13
Reinforced Concrete Maintenance Holes - Grade Rings - Page 13
Maintenance Hole Estimate Sheet - Page 14 & 15
Flexible Connectors - Page 16
Monobox Maintenance Holes - Page 16
Utility Maintenance Holes & Valve Chambers - Page 16
Reinforced Concrete Catch Basins - Page 17
Reinforced Concrete Catch Basins - Appurtenances - Page 17
Reinforced Concrete Catch Basins - Grade Rings - Page 17
Catch Basin Estimate Sheet - Page 18
Concrete Endwalls - Page 19
Concrete Headwalls - Page 19
CON/SPAN Culvert & Bridge Replacement System - Pages 20 & 21
Specialty Precast Notes and Disclaimers - Page 22



Terms & Conditions

General

1. All sales agreements are made between the Purchaser and Con Cast Pipe Inc. ("**CCP**").
2. All terms and conditions contained herein shall apply to any quotation and/or invoice provided by CCP to the Purchaser.
3. There are no warranties, representations and/or guarantees applicable to goods supplied by CCP to the Purchaser.
4. In the event Purchaser purchases materials from CCP pursuant to this quote or price list (or otherwise) and supplies or incorporates said materials into an improvement (as defined by applicable provincial construction lien legislation), then Purchaser acknowledges and agrees that the said materials are subject to a prevention agreement and that one continuing contract of supply is deemed to be in place.
5. The Purchaser agrees that CCP shall retain title to all goods and/or materials supplied by CCP to Purchaser unless and until the Purchaser has paid for the goods and/or materials in full. CCP shall have a continuing purchase money security interest in all such goods and their proceeds to secure the performance by the Purchaser of all its obligations to CCP. The Purchaser waives the right to receive a copy of any financing statement and verification statement and acknowledges receipt of a copy of this Agreement.
6. The Purchaser hereby authorizes CCP to conduct or cause to be conducted credit investigations/inquiries on Purchaser and any related persons or companies. The Purchaser hereby authorizes CCP to divulge credit references to other creditors as may be requested with regards to credit established and history of payments on account, and to use and disclose such information to the furthest extent permitted by law.
7. The Purchaser hereby authorizes CCP to collect, use and disclose credit reports or other information as may be deemed necessary by CCP, on an ongoing basis, respecting the Purchaser, the principals/officers/directors of the Purchaser, and the signatories on behalf of the Purchaser for the purposes of extending and administering credit.
8. All quotations, unless previously withdrawn by CCP, are open for acceptance by Purchaser for thirty (30) days from the quotation date, and if not accepted within that time, shall be deemed to be withdrawn by CCP.
9. All quotations are subject to any increase in sales tax, freight charges, or any new taxes imposed on this transaction which are payable or collectible by CCP, in which case the amount of such increases will be added to the final invoice.
10. CCP shall not be obliged to supply any goods or materials pursuant to a quotation, whether accepted or not, until such time as CCP has satisfied itself, within its sole discretion, as to Purchaser's creditworthiness.
11. The Purchaser shall satisfy itself as to the suitability for intended use of any goods or materials supplied by CCP.
12. Waiver of any one or more of the terms and conditions herein by CCP shall not constitute a general waiver of terms and conditions and CCP reserves the right to enforce any and all conditions not so waived. Any such waiver must be in writing.
13. Acceptance by Purchaser of any quotation provided by CCP shall constitute a valid and binding contract including but not limited to acceptance of all terms and conditions herein.
14. **Severability:** In the event that any provision of this agreement is held to be void or unenforceable, all other provisions of this agreement shall remain in full force and effect and shall in no way be affected, impaired or invalidated.
15. **Entire Agreement:** This agreement constitutes the entire agreement between Purchaser and CCP and supersedes and extinguishes any and all previous drafts, agreements, arrangements and/or understandings between them, whether written or oral. This agreement shall enure to the benefit of and be binding upon the parties hereto, their respective successors, executors, administrators and assigns.
16. **Jurisdiction:** This agreement shall be governed by and construed under the laws of the Province of Ontario and the proper forum for the resolution of any claims or disputes arising from or relating to this agreement shall be Ontario, save and except that CCP reserves all of its rights and remedies as may be provided for under other provincial construction lien legislation.



Terms & Conditions Cont'd

17. **Force Majeure:** In no event shall CCP be responsible or liable for any failure or delay in the performance of its obligations hereunder arising from or caused by, directly or indirectly, forces and events beyond its reasonable control, including, without limiting the generality of the foregoing, strikes, work stoppages, shortages of labour and/or materials, accidents, acts of war and/or terrorism, civil and/or military disturbances, acts of theft and/or other crimes, acts of God, fires, floods, earthquakes and adverse weather events.

Payment

18. All invoices rendered by CCP to Purchaser shall be paid in accordance with payment terms as set out herein. Any invoice not paid within the terms as set out herein shall be deemed to be an "overdue invoice".

19. All invoices and statements of account rendered by CCP to Purchaser shall be considered correct if no objections are reported in writing by the Purchaser within 30 days of the date of the invoice or statement account, as applicable.

20. Interest at the rate of 2% per month, equivalent to 26.8% per annum, shall be charged by CCP to the Purchaser on any and all overdue invoices.

21. In the event it becomes necessary for CCP to pursue legal proceedings against Purchaser to collect any unpaid balances or other sums due and owing by Purchaser to CCP, interest at the rate of 2% per month, equivalent to 26.8% per annum, shall apply as pre- and post-Judgment interest with respect to any Judgment obtained by CCP against Purchaser, including any amounts awarded to CCP for legal costs and disbursements.

22. In the event it becomes necessary for CCP to pursue legal proceedings against Purchaser to collect any unpaid balances or other sums due and owing by Purchaser to CCP, or otherwise to protect and/or enforce CCP's rights under this agreement, Purchaser shall be liable to pay all legal and related costs and disbursements incurred by CCP on a full indemnity scale.

Return Policy

23. CCP retains the sole, unfettered and absolute discretion to accept or refuse return of any product or materials supplied to Purchaser. Permission must be obtained prior to any return being accepted. For further clarity, all sales are considered final, except at CCP's sole discretion.

24. Returns will not be accepted on any altered or damaged products.

25. **Special Precast Concrete Products:** In the event that special precast concrete products (including but not limited to fittings pipe, radius pipe, pipe with holes, scribed/cored manholes, rectangular chambers, box units, specialty precast, etc.) are ordered by Purchaser from CCP, Purchaser shall not be entitled to cancel such orders once placed. In the event that Purchaser seeks to return any such special precast concrete products, and in the further event that CCP is prepared at its sole discretion to accept return of such products, Purchaser shall not be entitled to any credit or refund for same unless and until such products are resold by CCP. Any such credit or refund shall be limited to the amounts obtained by CCP on resale, less applicable restocking charges as set out herein.

26. In the event CCP is prepared to accept the return of materials, then CCP's shipping department must be contacted a minimum of 3 days prior to the proposed return. The shipping department can be contacted at 1-800-668-7473. CCP requires an accurate list of materials proposed to be returned, including but not limited to quantity, size and/or length, class and description of materials.

27. **Re-Stocking Fees:** A handling charge equivalent to 25% of the purchase price of the materials accepted for return shall be deducted from any amounts to be credited.

Freight and Freight Charges

28. All prices quoted herein by CCP include the delivery cost for a freight on board ("FOB") truck to the Purchaser's designated delivery sites, provided the designated delivery sites are located within 250 kilometres of CCP's Guelph or Oakville facilities. Any deliveries to destinations in excess of 250 kilometres from CCP's Guelph or Oakville facilities are subject to additional delivery charges.

29. A delivery less than the minimum truckload quantity is priced F.O.B. from our plant. CCP reserves the right to charge an additional amount for deliveries of less than the 20,000 kg minimum truckload quantities, other than the final load to complete a specific order. Contractor will be charged additional fees associated with deliveries requiring the use of the Stake or Straight trucks that are less than the minimum truckload quantity of 20,000 kg pending any extraneous circumstance(s).



Terms & Conditions Cont'd

30. **Exclusion of Liability:** CCP shall not be liable for any delay or non-delivery arising from or caused by, directly or indirectly, forces and events beyond its reasonable control, including, without limiting the generality of the foregoing, strikes, work stoppages, shortages of labour and/or materials, accidents, acts of war and/or terrorism, civil and/or military disturbances, acts of theft and/or other crimes, acts of God, fires, floods, earthquakes and adverse weather events.

31. Delivery shall be made as close to the jobsite, designated storage area or line of trench as is practical for loaded trucks and trailers operating under their own power, without risk of accident, injury or undue delay. The Purchaser shall provide and maintain suitable access roads to the project site for delivery of product.

32. Loads that have been released for shipment through CCP's Shipping Department, that are not cancelled through direct contact with our Shipping Department, or have not used the shipping phone line (load cancellation extension) before 5:00am on the specified day of delivery, and arrive on site are the responsibility of the Purchaser to off-load. If a delivered load of product is returned to CCP from site, the purchaser is subject to a \$500.00 charge for return and handling of such returned materials. Furthermore, if product is delivered to the site and the purchaser does not have safe and capable means to off-load product which results in the load being returned to CCP, the Purchaser will be charged a \$500.00 fee for return of product to CCP. Please contact your sales representative for further clarification, if required.

33. CCP shall be entitled to charge the Purchaser for unreasonable delay in unloading or releasing of its delivery vehicles. All deliveries allow for a one (1) hour maximum of delivery vehicle time on site for off-loading. If there is any additional time on site, CCP reserves the right to charge the customer for additional time spent on site during offloading and to hold the release of any subsequent trucks until all trucks are off-loaded and released from site.

34. Quotations for precast products are based on deliveries being made in normal working hours and subject to load restrictions. Weekend or night deliveries will be subject to additional delivery charges.

35. The Purchaser shall give CCP three (3) business days notice of delivery requests.

36. Unless otherwise specified, all quotations are made on the conditions that full delivery will be taken within six (6) months from acceptance of order. Any product delivered after this period may be subject to increase in price as shown on CCP's then current price list. Con Cast Pipe reserves the right to invoice a customer for product that has been made specific and special for a project if it has not been delivered to site within six (6) months from the date of the receipt of the order.

37. The Purchaser will inspect the products at the time of delivery and any claims in respect thereto shall be made at that time. If any such products are found to be defective, CCP will deliver replacement product to the Purchaser at the site of the work. CCP's liability for defective products is limited to the replacement of same product at CCP's cost. CCP waives all responsibility of any deficient product not reported immediately after the delivery.

Sales Tax

38. HST (Harmonized Sales Tax) is EXTRA.

Terms

39. Net thirty (30) days from the date of the invoice, or, a three (3) percent Prompt Payment Discount, the 25th of the month following may be applicable providing the account is in good standing and has a payment history to support such an initiative. Taxes are not subject to the Prompt Payment Discount.

40. There will be a 3% discount for precast orders picked up at our Guelph or Oakville yard. If a transfer is required to have product picked up at a certain location, the purchaser will be charged for the freight costs of the transferred product.



Reinforced Concrete Pipe, Caps, and Plugs

SIZE (mm)	UNIT MASS (kg/m)	CLASS 50-D \$/metre	CLASS 65-D \$/metre	CLASS 100-D \$/metre	CLASS 140-D \$/metre	Caps and Plugs \$/ea.
300	225	98.90	98.90	98.90	98.90	98.90
375	306	121.90	121.90	121.90	121.90	121.90
450	381	125.60	125.60	125.60	157.00	157.00
525	470	137.00	137.00	160.00	189.00	189.00
600	578	184.40	184.40	211.80	249.20	249.20
675	691	282.70	282.70	321.90	377.00	377.00
750	780	372.50	372.50	425.90	497.80	497.80
825	912	432.20	432.20	549.70	577.50	577.50
900	1039	518.50	518.50	593.20	692.50	692.50
975	1195	568.90	598.90	681.60	797.70	797.70
1050	1277	651.60	684.20	783.50	912.70	912.70
1200	1561	816.60	857.80	981.40	1,143.50	1,143.50
1350	1939	1,050.20	1,102.70	1,261.40	1,469.10	1,469.10
1500	2123	1,284.60	1,348.20	1,541.40	1,798.30	1,798.30
1650	2500	1,538.30	1,616.40	1,847.50	2,153.90	2,153.90
1800	2865	1,858.80	1,954.40	2,231.20	2,603.50	2,603.50
1950	3324	2,155.70	2,266.10	2,586.40	3,019.20	3,019.20
2100	3807	2,473.70	2,594.80	2,967.60	3,461.20	3,461.20
2250	4311	2,811.20	2,953.10	3,374.10	3,936.80	3,936.80
2400	4869	3,290.60	3,452.00	3,945.80	4,603.90	4,603.90
2550	5179	3,705.90	3,888.00	4,445.20	5,186.80	5,186.80
2700	5752	4,113.00	4,318.20	4,935.60	5,758.40	5,758.40
3000	7043	5,036.70	5,291.00	6,047.10	7,054.40	7,054.40

GASKETS INCLUDED IN PRICE.

ABOVE PRICES ARE PER METRE.

PLEASE CONTACT OUR SALES DEPARTMENT FOR MICROTUNNELING AND JACKING PIPE PRICES.

Scribed Holes & Knockouts

MAINLINE PIPE SIZE	Price Per Hole \$/each
Up to 1350 mm	121.20
1500mm and over	242.10

Reducers & Increaseers

PRICE PER PIECE

1) 300mm to 3000mm reinforced pipe REDUCER or INCREASEER

- multiply the price per metre of the larger pipe x 6.5.



CON CAST PIPE

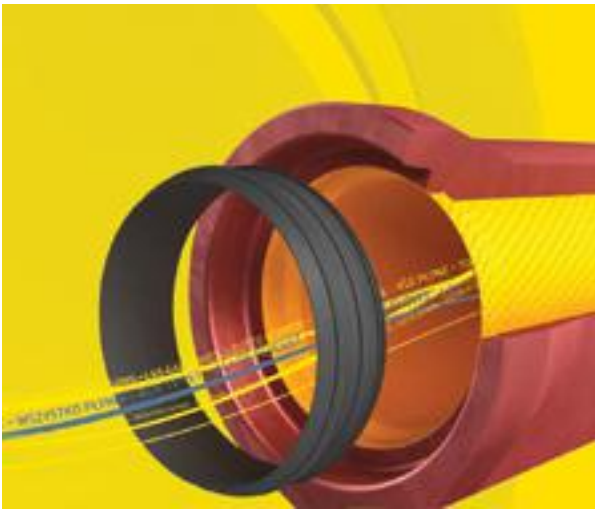
Concrete Pipe

Approximate Mass & Dimensions

INSIDE DIA. (mm)	OUTSIDE DIA. (mm)	WALL THICKNESS (mm)	LAY LENGTH (m)	MASS PER PIECE (kg)	TRUCKLOAD LOTS (pcs)*
300	444.5	69.9	2.44	550	74
375	533.4	76.2	2.44	746	54
450	622.3	82.6	2.44	930	44
525	711.2	88.9	2.44	1140	35
600	800.1	95.3	2.44	1410	29
675	889.0	101.6	2.44	1680	24
750	977.9	108.0	2.44	1905	21
825	1066.8	114.3	2.44	2225	18
900	1155.7	120.7	2.44	2535	16
975	1244.6	127.0	2.44	2915	14
1050	1333.5	133.4	2.44	3115	13
1200	1511.3	146.1	2.44	3810	10
1350	1689.1	158.8	2.44	4731	8
1500	1828.8	152.4	2.44	5180	7
1650	2006.6	165.1	2.44	6101	6
1800	2184.4	177.8	2.44	6991	5
1950	2362.2	190.5	2.44	8110	5
2100	2540.0	203.2	2.44	9290	4
2250	2717.8	215.9	2.44	10520	3
2400	2895.6	228.6	2.44	11880	2
2550	3073.4	241.3	2.44	12637	2
2700	3251.2	254.0	2.44	14035	2
3000	3606.8	279.4	2.44	17185	1

NOTES:

1) *SPRING HALF LOAD SEASON WILL AFFECT GROSS WEIGHT.

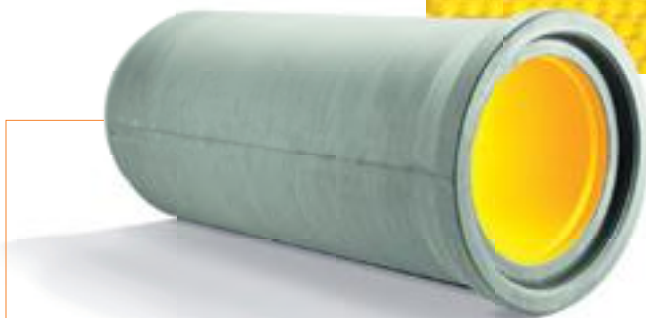


The pipe that will revolutionize the landscape of infrastructure systems is here, and it's PERFECT.

Con Cast Pipe is the first precast and concrete pipe manufacturer in Canada to exclusively offer the PERFECT PIPE system. With PERFECT PIPE, enjoy increased peace-of-mind when committing to a long-lasting pipe product backed by the dependability of the Con Cast Pipe brand.

Next Level Of Chemical Resistance >>

PERFECT PIPE is manufactured in various diameters that are 100% protected with a high-density polyethylene (HDPE) liner. The HDPE liner protects the interior concrete surface from the damaging effects associated with corrosive gases and liquids that can form in the sanitary sewer system.



Effective Microtunneling >>

PERFECT MICROTUNNELING PIPE allows the designer the choice to construct the sewer system with or without the HDPE liner. The combination of the HDPE liner and the new improved joint performance inherent in the thermoplastic joint connector means the pipe can be installed without field welding, reducing construction disturbance and installation times.

Joint Integrity at its best >>

The PERFECT PIPE joint system can withstand a constant internal pressure of 36 psi through the combination of a dual jointing system that seals the HDPE liner inside the



joint of the concrete pipe. PERFECT PIPE improves upon existing field-welded

joint technology by using a thermoplastic internal connector with dual elastomeric

rubber gaskets to join the pipe sections; therefore no field welding is required.





Tees & Wyes: Concrete or PVC Connections

To calculate the price of a TEE or WYE junction, multiply the price per metre of the main pipe by its length and add the corresponding price for the required branch as listed below.
(Price includes rubber gasket)

BRANCH SIZE (mm)	MAIN PIPE SIZE					
	300-525 \$/ea	600-825 \$/ea	900-1200 \$/ea	1350-1800 \$/ea	1950-2400 \$/ea	2550-3000 & Boxes \$/ea
100	160.50	168.70	215.10	291.80	349.50	404.80
125	176.30	184.70	236.20	319.80	383.80	443.70
150	194.20	204.30	260.20	352.90	422.80	489.60
200	259.10	272.30	347.20	470.60	564.30	652.70
250	290.40	304.40	388.50	526.90	631.90	730.80
300	395.10	559.60	726.00	1,028.80	1,331.50	1,815.30
375	477.90	640.00	861.80	1,207.30	1,588.60	1,954.30
450	584.40	723.50	947.60	1,293.10	1,674.60	2,039.90
525	631.10	746.10	971.40	1,316.80	1,697.80	2,063.30
600		933.50	1,163.90	1,509.50	1,890.30	2,256.10
675		1,328.80	1,507.30	1,853.30	2,234.20	2,599.80
750		1,716.10	1,871.10	2,216.40	2,597.80	2,963.00
825		1,963.10	2,093.90	2,440.00	2,821.20	3,186.60
900			2,435.30	2,781.10	3,161.90	3,527.10
975			2,772.70	3,090.00	3,471.60	3,837.00
1050			3,149.10	3,435.00	3,815.80	4,181.20
1200			3,885.90	4,124.20	4,505.80	4,870.90
1350				5,142.80	5,494.50	5,926.90

NOTES:

- 1) Maintenance Hole Tee - Calculate the same as above.
- 2) Largest available MAINTENANCE HOLE TEE is 3000mm x 1200mm.
- 3) Smallest available MAINTENANCE HOLE TEE is 1050mm x 1200mm.
- 4) Please contact our Sales Department for Tee & Wye branch sizes that are larger than 1350mm diameter.
- 5) Please contact our Sales Department for Tees & Wyes pipe sections that have multiple branch pipe.



CON CAST PIPE

Reinforced Concrete Bends

ONE-QUARTER (90°) & ONE-EIGHTH (45°) BENDS, BELOW PRICES ARE PER PIECE

SIZE (mm)	CLASS 50-D \$ /ea	CLASS 65-D \$ /ea	CLASS 100-D \$ /ea	CLASS 140-D \$ /ea	MAX. ANGLE
300	532.50	532.50	532.50	532.50	90°
375	659.40	659.40	659.40	659.40	90°
450	679.40	679.40	679.40	849.00	90°
525	740.10	740.10	865.40	1,019.20	90°
600	940.70	940.70	1,080.20	1,271.00	90°
675	1,414.10	1,414.10	1,610.20	1,885.20	90°
750	1,863.90	1,863.90	2,130.90	2,489.40	90°
825	2,161.10	2,161.10	2,748.40	2,888.80	90°
900	2,590.80	2,590.80	2,964.40	3,460.10	90°
975	2,845.10	2,996.10	3,408.30	3,986.50	90°
1050	3,257.70	3,421.90	3,917.30	4,563.80	90°
1200	4,082.00	4,289.00	4,907.10	5,719.50	90°
1350	5,253.10	5,513.10	6,307.20	7,345.80	90°
1500	6,422.10	6,739.40	7,706.70	8,990.80	90°
1650	7,692.50	8,081.90	9,236.10	10,765.80	75°
1800	9,293.90	9,770.50	11,156.30	13,017.40	70°
1950	10,779.90	11,328.90	12,931.00	15,095.80	65°
2100	12,368.30	12,974.30	14,837.10	17,303.80	62°
2250	14,057.20	14,763.80	16,870.20	19,685.10	60°
2400	16,452.30	17,260.70	19,728.10	23,019.00	56°
2550	18,530.10	19,439.60	22,224.90	25,934.20	53°
2700	20,565.50	21,590.30	24,678.90	28,791.40	50°
3000	25,183.40	26,453.90	30,235.10	35,271.20	45°

ABOVE PRICES ARE PER PIECE.



Elliptical Reinforced Concrete Pipe

EQUIV. DIA. (mm)	RISE x SPAN (mm)	HE I \$/metre	HE II \$/metre	HE III \$/metre	HE IV \$/metre	MASS (kg/m)
900	735 x 1145	751.50	793.60	881.10	1,010.80	931
1050	865 x 1345	920.00	962.40	1,085.10	1,243.90	1214
1200	965 x 1525	1,130.50	1,182.10	1,328.10	Available Upon Request	1490
1350	1090 x 1725	1,418.90	1,493.60	1,675.10	Available Upon Request	1840
1500	1220 x 1930	1,691.40	1,778.90	2,002.20	Available Upon Request	2198
1650	1345 x 2110	2,005.50	2,109.10	2,364.90	Available Upon Request	2600
1800	1475 x 2310	2,413.60	2,530.30	2,840.90	Available Upon Request	3040
1950	1600 x 2490	2,773.10	2,919.20	3,272.30	Available Upon Request	3502
2100	1725 x 2690	3,162.00	3,327.30	3,732.10	Available Upon Request	3993

NOTES:

- 1) Above prices includes jointing material.
- 2) BENDS - multiply the price per metre of the horizontal elliptical pipe x 5.0.
- 3) REDUCERS & INCREASERS - multiply the price per metre of the larger horizontal elliptical pipe x 6.0.
- 4) PLUGS & CAPS - multiply the price per metre of the HE IV horizontal elliptical pipe x 1.0.
- 5) MAINTENANCE HOLE TEE - multiply the price per metre of the elliptical pipe x 2.44 and add \$4,651.40 for the 1200mm riser stub.
- 6) Please allow 3 to 4 weeks delivery.



Reinforced Concrete Box Units - OPSS 1821

SPAN x RISE (mm)	WALL THICKNESS (mm)	WATERWAY AREA (m ²)	APPROX. MASS (kg/m)	Design Earth Cover (m)	OPSS 1821 (\$ /metre)
1800 x 900	200	1.61	3380	0.6 to 5.5	2,125.10
1800 x 1200	200	2.16	3690	0.6 to 5.5	2,319.60
2400 x 1200	200	2.89	4560	0.6 to 3.6	2,959.80
2400 x 1500	200	3.63	4870	0.6 to 3.6	3,170.90
2400 x 1800	200	4.38	5170	0.6 to 3.6	3,382.70
3000 x 1500	250	4.51	6860	0.6 to 3.6	4,630.90
3000 x 1800	250	5.44	7250	0.6 to 3.6	4,896.40
3000 x 2100	250	6.37	7630	0.6 to 3.6	5,159.60
3000 x 2400	250	7.30	8020	0.6 to 3.6	5,422.10

Reinforced Concrete Box Units - CHBDC CAN/CSA S6-06

SPAN x RISE (mm)	WALL THICKNESS (mm)	WATERWAY AREA (m ²)	APPROX. MASS (kg/m)	Design Earth Cover (m)	CHBDC CAN/CSA S6-06 (\$ /metre)
1800 x 900	200	1.61	3380	0.0 to 0.6 & 5.5 to 8.0	2,674.30
1800 x 1200	200	2.16	3690	0.0 to 0.6 & 5.5 to 8.0	2,909.40
2400 x 1200	200	2.89	4560	0.0 to 0.6 & 3.6 to 6.0	3,720.70
2400 x 1500	200	3.63	4870	0.0 to 0.6 & 3.6 to 5.0	4,017.40
2400 x 1800	200	4.38	5170	0.0 to 0.6 & 3.6 to 5.0	4,233.60
3000 x 1500	250	4.51	6860	0.0 to 0.6 & 3.6 to 5.0	5,695.10
3000 x 1800	250	5.44	7250	0.0 to 0.6 & 3.6 to 5.0	5,933.90
3000 x 2100	250	6.37	7630	0.0 to 0.6 & 3.6 to 5.0	6,243.20
3000 x 2400	250	7.30	8020	0.0 to 0.6 & 3.6 to 5.0	6,555.70

NOTES:

- 1) **BOX LAY LENGTH** - 2.44 m.
- 2) **JOINTING MATERIAL** - Add 5% to above price per metre.
- 3) **DELIVERY** - Please contact the Con Cast Pipe Sales Department for delivery dates.
- 4) **SPECIALS** - Please contact our Sales or Engineering Departments for prices of special design box units.
- 5) **REINFORCED CONCRETE BOX UNIT TEE & WYE JUNCTIONS** -
Box to Box Junction - multiply the price per metre of the larger box unit by 6.0.
Box to Pipe Junction - multiply the price per metre of the box unit by 2.5 and add the branch price from page 6.
- 6) **REINFORCED CONCRETE BOX UNIT BENDS & ELBOWS** -
 5.0 x price per metre of the larger box = Total price per piece of BEND or ELBOW.
- 7) **REINFORCED CONCRETE BOX UNIT REDUCERS & INCREASERS** -
 6.0 x price per metre of the larger box = Total price per piece of REDUCER or INCREASER.
- 8) **REINFORCED CONCRETE BOX UNIT PLUGS & CAPS** -
 Price per metre of box unit = Total price per piece of PLUG or CAP.
- 9) **REINFORCED CONCRETE RADIUS BOX UNIT** - 1.15 x price per metre of straight box
- 10) **SKEWED END** - 1.2 x price per metre of straight box and multiply length of skewed unit.
- 11) **FLUSH ENDS** - \$830.30 per unit.
- 12) **STANDARD 15M DOWELS & INSERTS** - \$96.20 per set.
- 13) **SCRIBED HOLES** - \$242.10 each.
- 14) **685mm ACCESS OPENING IN TOP SLAB** - \$1,383.80 (includes steps).
- 15) **1200mm MANHOLE TEE** - \$5,114.50 (includes steps).
- 16) **Additional sizes available upon request. Please contact our Sales Department for special box size pricing and depths greater than listed above.**



CON CAST PIPE

1200mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1200	taper top c/w steps	1.320	1905 kg/pc	1,129.90 ea.
1200	flat cap	0.305	715 kg/pc	643.80 ea.
1200	riser c/w steps	0.305 to 1.829	1324 kg/m	823.40 /m
1200	monolithic base c/w steps	0.762	1760 kg/pc	1,360.40 ea.
1200	monolithic base c/w steps	0.914	1960 kg/pc	1,485.60 ea.
1200	monolithic base c/w steps	1.067	2160 kg/pc	1,611.50 ea.
1200	monolithic base c/w steps	1.219	2360 kg/pc	1,736.60 ea.
1200	monolithic base c/w steps	1.372	2550 kg/pc	1,861.00 ea.
1200	monolithic base c/w steps	1.524	2750 kg/pc	1,986.30 ea.
1200	base slab	0.203	780 kg/pc	643.80 ea.
1200	safety grate supplied & installed			1,542.80 ea.
1200	prebenching			742.20 ea.

1500mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1500	flat cap	0.430	1810 kg/pc	1,282.70 ea.
1500 to 1200	transition c/w steps	0.610	1678 kg/pc	1,282.70 ea.
1500 to 1200	transition c/w steps	0.914	2266 kg/pc	1,663.34 ea.
1500	riser c/w steps	3.05 to 2.438	1927 kg/m	1,248.00 /m
1500	monolithic base c/w steps	1.067	3430 kg/pc	2,992.50 ea.
1500	monolithic base c/w steps	1.372	4040 kg/pc	3,373.00 ea.
1500	monolithic base c/w steps	1.676	4645 kg/pc	3,752.40 ea.
1500	monolithic base c/w steps	1.829	5050 kg/pc	3,943.40 ea.
1500	monolithic base c/w steps	1.981	5350 kg/pc	4,133.20 ea.
1500	base slab	0.305	1770 kg/pc	1,282.70 ea.
1500	safety grate supplied & installed			2,172.40 ea.
1500	prebenching			998.80 ea.

1800mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1800	flat cap	0.430	2720 kg/pc	1,729.80 ea.
1800 to 1200	transition c/w steps	0.610	2400 kg/pc	1,729.80 ea.
1800	riser c/w steps	0.610 to 2.438	2756 kg/m	1,774.60 /m
1800	base slab	0.305	2630 kg/pc	1,729.80 ea.
1800	safety grate supplied & installed			2,818.80 ea.

2400mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
2400	flat cap	0.430	4980 kg/pc	3,427.80 ea.
2400 to 1200	transition slab c/w steps	0.430	4210 kg/pc	3,427.80 ea.
2400	riser c/w steps	0.610 to 2.438	4598 kg/m	3,163.70 /m
2400	base slab	0.305	4620 kg/pc	3,427.80 ea.
2400	safety grate supplied & installed			4,407.80 ea.

3000mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
3000	flat cap	0.450	7847 kg/pc	5,772.70 ea.
3000 to 1200	transition slab c/w steps	0.450	7258 kg/pc	5,772.70 ea.
3000	riser c/w steps	0.610 to 2.438	7043 kg/m	4,949.30 /m
3000	base slab	0.305	8225 kg/pc	5,772.70 ea.
3000	safety grate supplied & installed			on request

3600mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
3600	flat cap	0.450	10500 kg/pc	10,193.70 ea.
3600 to 1200	transition slab c/w steps	0.450	10500 kg/pc	10,193.70 ea.
3600	riser c/w steps	0.610 to 1.829	11042 kg/m	10,786.20 /m
3600	base slab	0.305	10500 kg/pc	10,193.70 ea.
3600	safety grate supplied & installed			on request

IMPORTANT: 2400mm, 3000mm, and 3600mm MAINTENANCE HOLES TO BE OFF-LOADED BY CONTRACTOR.

NOTES:

- 1) Gaskets included in price.
- 2) Prices on product manufactured to OPSD 700 series and OPSD 1000 series.
- 3) Install outlet pipe in centre of precast outlet opening.
- 4) Standard steps conform to OPSD 405.010. Solid aluminum steps available upon request.
- 5) Please contact our sales department for pricing on precast drop structures.

Maintenance Hole Appurtenances

DESCRIPTION	PRICE \$
maintenance hole safety steps OPSD 405.010	29.10 ea
solid aluminum steps OPSD 405.020	42.10 ea
outside rebar steps - supplied & installed fo C.I.P. drop structures	38.90 ea
maintenance hole clean out steps - supplied & installed	43.10 ea
maintenance hole frames & covers OPSD 401.010	719.40 ea
hatches cast into flat caps (hatch by others)	661.30 ea
swift lift lifting eyes (4 tonne capacity)	445.70 ea
swift lift lifting eyes (8 tonne capacity)	838.90 ea
engineering surcharge (non-standard engineering requirements)	1,053.90 ea

Maintenance Grade Rings

50mm maintenance hole grade ring - 12 per bundle - 52 kg ea.	49.80 ea
75mm maintenance hole grade ring - 8 per bundle - 75 kgs ea.	52.90 ea
75mm maintenance hole grade ring c/w step - 8 per bundle - 75 kgs ea.	77.80 ea
150mm maintenance hole grade ring - 150 kgs ea.	183.40 ea
300mm maintenance hole grade ring c/w step - 430 kgs ea.	234.80 ea
modutape (6.1 metres per roll)	17.70 /roll



Maintenance Hole Estimate Sheet

1200 mm DIAMETER
MONOBASE MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.52	2,260.00
1.53	1.68	2,386.00
1.69	1.85	2,513.00
1.86	2.01	2,637.00
2.02	2.17	2,762.00
2.18	2.33	2,620.00
2.34	2.50	2,748.00
2.51	2.66	2,872.00
2.67	2.82	2,997.00
2.83	2.98	3,123.00
2.99	3.15	3,249.00
3.16	3.31	3,374.00
3.32	3.47	3,502.00
3.48	3.63	3,625.00
3.64	3.80	3,751.00
3.81	3.96	3,875.00
3.97	4.12	4,002.00
4.13	4.28	4,253.00
4.29	4.45	4,379.00
4.46	4.61	4,504.00
4.62	4.77	4,630.00
4.78	4.99	4,755.00
5.00	5.15	6,508.00
5.16	5.31	6,760.00
5.32	5.48	6,887.00
5.49	5.64	7,013.00
5.65	5.80	7,137.00
5.81	5.96	7,262.00
5.97	6.13	7,389.00
6.14	6.29	7,513.00
6.30	6.45	7,638.00
6.46	6.61	7,639.00
6.62	6.78	7,764.00
6.79	6.94	7,891.00
6.95	7.10	8,015.00
7.11	7.26	8,267.00
7.27	7.43	8,393.00
7.44	7.59	8,515.00
7.60	7.75	8,642.00
7.76	7.91	8,769.00
7.92	8.08	8,894.00

1500 mm DIAMETER
MONOBASE MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	4,282.00
1.68	1.99	4,662.00
2.00	2.30	5,041.00
2.31	2.62	5,423.00
2.63	2.93	5,802.00
2.94	3.25	6,183.00
3.26	3.56	6,699.00
3.57	3.88	6,949.00
3.89	4.19	7,200.00
4.20	4.51	7,310.00
4.52	4.82	7,435.00
4.83	4.99	7,560.00
5.00	5.30	9,315.00
5.31	5.62	9,567.00
5.63	5.93	9,818.00
5.94	6.25	10,068.00
6.26	6.56	10,320.00
6.57	6.88	10,571.00
6.89	7.19	10,822.00
7.20	7.51	11,072.00
7.52	7.82	11,322.00
7.83	8.14	11,574.00



Maintenance Hole Estimate Sheet

1800 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	5,628.00
1.68	1.99	6,170.00
2.00	2.30	6,710.00
2.31	2.62	7,252.00
2.63	2.93	7,791.00
2.94	3.25	8,333.00
3.26	3.56	8,146.00
3.57	3.88	8,397.00
3.89	4.19	8,649.00
4.20	4.51	8,758.00
4.52	4.82	8,885.00
4.83	4.99	9,134.00
5.00	5.30	11,117.00
5.31	5.62	11,351.00
5.63	5.93	11,603.00
5.94	6.25	11,853.00
6.26	6.56	12,105.00
6.57	6.88	12,354.00
6.89	7.19	12,606.00
7.20	7.51	12,855.00
7.52	7.82	13,108.00
7.83	8.14	13,360.00

2400 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	10,717.00
1.68	1.99	11,682.00
2.00	2.30	12,646.00
2.31	2.62	13,611.00
2.63	2.93	14,573.00
2.94	3.25	15,470.00
3.26	3.56	15,720.00
3.57	3.88	15,969.00
3.89	4.19	16,135.00
4.20	4.51	16,206.00
4.52	4.82	16,456.00
4.83	4.99	16,567.00
5.00	5.30	18,688.00
5.31	5.62	18,712.00
5.63	5.93	18,925.00
5.94	6.25	19,175.00
6.26	6.56	19,425.00
6.57	6.88	19,678.00
6.89	7.19	19,928.00
7.20	7.51	20,180.00
7.52	7.82	20,430.00
7.83	8.14	20,680.00

3000 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	17,584.00
1.68	1.99	19,094.00
2.00	2.30	20,603.00
2.31	2.62	22,112.00
2.63	2.93	23,616.00
2.94	3.25	24,513.00
3.26	3.56	24,763.00
3.57	3.88	24,888.00
3.89	4.19	24,998.00
4.20	4.51	25,249.00
4.52	4.82	25,500.00
4.83	4.99	25,641.00
5.00	5.30	27,647.00
5.31	5.62	27,671.00
5.63	5.93	27,882.00
5.94	6.25	28,135.00
6.26	6.56	28,385.00
6.57	6.88	28,636.00
6.89	7.19	28,887.00
7.20	7.51	29,138.00
7.52	7.82	29,388.00
7.83	8.14	29,639.00

NOTES:

1) DEPTH REPRESENTS THE DIFFERENCE FROM FINISHED GRADE TO LOWEST INVERT.

2) PRICES SHOWN ARE BASED UPON THE MOST LIKELY COMBINATION OF PIECES FOR EACH DEPTH RANGE - ACTUAL COMBINATIONS AND PRICES MAY VARY.

3) THE FOLLOWING DESIGN CRITERIA HAVE BEEN USED:

- 1500mm & 1800mm MAINTENANCE HOLES HAVE 2.13m OF HEADROOM BEFORE TRANSITIONING.
- 2400mm & 3000mm MAINTENANCE HOLES HAVE 2.44m OF HEADROOM BEFORE TRANSITIONING.
- WHEREVER POSSIBLE, TAPER TOPS (CONES) ARE USED INSTEAD OF FLAT CAPS.
- TYPICAL RANGE FOR BRICK & CASTING IS 225-350mm.

4) PRICES INCLUDE:

- PRECAST MAINTENANCE HOLE COMPONENTS
- GASKETS
- 1200 DIA. SAFETY LANDINGS (FOR MAINTENANCE HOLES 5.0m & DEEPER)

5) PRICES DO NOT INCLUDE:

- GRADE RINGS (ADJUSTMENT RINGS)
- METAL FRAMES & GRATES
- PREBENCHING
- FLEXIBLE CONNECTORS (BOOTS)



CON CAST PIPE

Flexible Connectors

Pipe to maintenance hole connectors, supplied and installed.

CONCRETE PIPE	PVC PIPE	PRICE (\$/ea.)
	150 & 200	226.80
	250 & 300	296.00
300	375	387.10
375	450	465.30
450	525	588.70
525		695.00
	600	658.50
600		823.90
	675	695.00
675		929.80

NOTE:

- 1) Please contact our Sales Department for larger sizes of flexible connectors.

Monobox Maintenance Holes

SIZE (mm)	PRICE \$ /metre
2400 x 1800	4,833.00
3000 x 2400	7,749.60
3900 x 2400	10,935.90
3900 x 3000	14,091.20

NOTES:

- 1) For Monotransitions including a 1200mm diameter chimney, add \$225.80 to the price of the pertinent size of Monocap.
- 2) A minimum charge of 2.0m will apply to all monobox maintenance holes
- 3) **Monobox maintenance holes are designed to a maximum depth of 7.0 metres. Please contact your Con Cast Pipe Sales Representative if the depth of the structure exceeds 7.0m.**
- 4) Above prices include the supply of butyl rubber joint sealer.

Utility Maintenance Holes & Valve Chambers

SIZE (mm)	BASE SLAB		RISER		FLAT CAP	
	PRICE \$ /ea	MASS (kg/pc)	PRICE \$ /metre	MASS (kg/m)	PRICE \$ /ea	MASS (kg/pc)
1200 x 750 Chimney			1,813.90	1680		
1200 x 1200 (200mm Wall)	1,445.70	1350	2,440.90	3080	1,445.70	1350
1800 x 1500 (200mm Wall)	2,196.70	2180	3,023.00	4000	2,196.70	2180
2400 x 1800 (200mm Wall)	3,068.00	3210	3,484.20	4920	3,068.00	3210
2400 x 2400 (200mm Wall)	4,469.20	4080	5,752.00	5530	4,469.20	4080
3000 x 2400 (250mm Wall)	5,412.40	6600	5,596.90	8020	5,412.40	6600
3000 x 3000 (250mm Wall)	7,372.10	9560	8,680.70	8790	7,372.10	9560

NOTES:

- 1) Above prices include allowance for two holes in riser walls. Additional holes are \$224.00 each.
- 2) For transition slabs, please add \$213.10 to the price of flat cap of the pertinent size.
- 3) Riser Heights: 0.914m to 2.44m.
- 5) Butyl Rubber joint filler is included in above pricing. Waterproofing is by others. Contact your Sales Representative for Waterproofing options.
- 6) Please contact the Con Cast Pipe Sales Department for pricing for Valve Chambers and Utility Maintenance Holes that have wall thickness greater than specified above.



Reinforced Concrete Catch Basins

SIZE (mm)	HEIGHT (m)	APPROX. MASS (kg/m)	PRICE \$/metre
600 x 600 x 115 wall catchbasin	1.067 to 1.981	940	539.20
600 x 600 x 150 wall catchbasin	1.067 to 1.981	1220	728.90
600 x 600 x 150 wall ditch inlet catchbasin	1.219 to 1.981	1220	728.90
600 x 1200 x 150 wall double ditch inlet catchbasin	1.219 to 1.981	1785	1,183.30
600 x 840 x 115 wall curb inlet catchbasin	1.219 to 1.981	1060	853.10
600 x 1450 x 115 wall twin inlet catchbasin	1.219 to 1.981	1640	1,046.40

NOTES:

1) For Ditch Inlet Catch Basins, please add \$152.90/set for Ditch Inlet Fasteners as required. For grate pricing, see catchbasin appurtenances section.

Catchbasin Appurtenances

DESCRIPTION	PRICE \$
catch basin frames & covers OPSD 400.020	744.60 ea
ditch inlet catch basin gratings - type "A" (fits 600 x 600 Ditch Inlet CB)	641.70 ea
ditch inlet catch basin gratings - type "B" (fits 600 x 1200 Ditch Inlet CB)	944.30 ea
ditch inlet catch basin gratings - type "C" (fits 600 x 1200 Ditch Inlet CB)	1,036.90 ea
ditch inlet grate fasteners	165.30 /set
point of entry trap or goss trap with plug	753.00 ea
point of entry trap filter	72.10 ea
catch basin inlet control devices (inserts installed only)	146.30 /set
swift lift lifting eyes (4 tonne capacity)	445.70 ea.

Catchbasin Grade Rings

50mm catch basin grade ring - 12 per bundle - 36 kgs ea.	47.30 ea
75mm catch basin grade ring - 8 per bundle - 75 kgs ea.	50.00 ea
125mm catch basin grade ring - 105 kgs ea.	75.10 ea
150mm catch basin grade ring - 125 kgs ea.	167.80 ea
300mm catch basin grade ring - 245 kgs ea.	223.10 ea
modutape (6.1 metres per roll)	17.70 /roll



Catch Basin Estimate Sheet

600 x 600 SINGLE INLET 115 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	492.80
1.067	575.30
1.219	657.30
1.372	739.80
1.524	821.70
1.676	903.70
1.829	986.20
1.981	1,068.20
2.134	1,150.70
2.287	1,233.20
2.439	1,315.10
2.592	1,397.60
2.744	1,479.60
2.897	1,562.10
3.049	1,644.00
3.202	1,726.50
3.354	1,808.50
3.507	1,891.00
3.659	1,972.90
3.812	2,055.40

600 x 600 SINGLE INLET 150 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	666.20
1.067	777.70
1.219	888.50
1.372	1,000.10
1.524	1,110.80
1.676	1,221.60
1.829	1,333.20
1.981	1,444.00
2.134	1,555.50
2.287	1,667.00
2.439	1,777.80
2.592	1,889.30
2.744	2,000.10
2.897	2,111.60
3.049	2,222.40
3.202	2,333.90
3.354	2,444.70
3.507	2,556.30
3.659	2,667.00
3.812	2,778.60

600 x 1450 TWIN INLET 115 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	956.40
1.067	1,116.60
1.219	1,275.60
1.372	1,435.70
1.524	1,594.70
1.676	1,753.80
1.829	1,913.90
1.981	2,072.90
2.134	2,233.00
2.287	2,393.10
2.439	2,552.20
2.592	2,712.30
2.744	2,871.30
2.897	3,031.40
3.049	3,190.50
3.202	3,350.60
3.354	3,509.60
3.507	3,669.70
3.659	3,828.80
3.812	3,988.90

600 x 600 DITCH INLET 150 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	666.20
1.067	777.70
1.219	888.50
1.372	1,000.10
1.524	1,110.80
1.676	1,221.60
1.829	1,333.20
1.981	1,444.00
2.134	1,555.50
2.287	1,667.00
2.439	1,777.80
2.592	1,889.30
2.744	2,000.10
2.897	2,111.60
3.049	2,222.40
3.202	2,333.90
3.354	2,444.70
3.507	2,556.30
3.659	2,667.00
3.812	2,778.60

600 x 1200 DITCH INLET 150 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	1,081.50
1.067	1,262.60
1.219	1,442.40
1.372	1,623.50
1.524	1,803.30
1.676	1,983.20
1.829	2,164.30
1.981	2,344.10
2.134	2,525.20
2.287	2,706.20
2.439	2,886.10
2.592	3,067.10
2.744	3,247.00
2.897	3,428.00
3.049	3,607.90
3.202	3,788.90
3.354	3,968.80
3.507	4,149.80
3.659	4,329.70
3.812	4,510.70

600 x 840 CURB INLET 115 WALL THICKNESS

HEIGHT (m)	PRICE \$ /ea
0.914	779.70
1.067	910.30
1.219	1,039.90
1.372	1,170.50
1.524	1,300.10
1.676	1,429.80
1.829	1,560.30
1.981	1,690.00
2.134	1,820.50
2.287	1,951.00
2.439	2,080.70
2.592	2,211.20
2.744	2,340.90
2.897	2,471.40
3.049	2,601.10
3.202	2,731.60
3.354	2,861.30
3.507	2,991.80
3.659	3,121.50
3.812	3,252.00

NOTES:

- 1) HEIGHTS INDICATE TOTAL PRECAST HEIGHT INCLUDING MONOLITHIC BASE.
- 2) PRICES DO NOT INCLUDE: ADJUSTMENT RINGS, METAL FRAMES, GRATES & FASTENERS, GOSS TRAPS, & INLET CONTROL HARDWARE.



Concrete Headwalls

Pipe Diameter	OPSD 804.030 Headwall	OPSD 804.040 Headwall	Grate	Handrail
300	3,440.80		845.00	
375	3,440.80		845.00	
450	4,182.00		930.70	
525	4,182.00		930.70	
600	5,340.50	16,139.40	960.90	3,603.60
675	5,340.50	16,139.40	960.90	3,603.60
750	6,522.40	16,139.40	1,138.80	3,603.60
825	6,522.40	16,139.40	1,138.80	3,603.60
900	7,715.20	18,077.30	1,324.50	3,734.00
975		18,077.30	1,384.90	3,734.00
1050		18,077.30	1,434.90	3,734.00
1200		18,077.30	1,545.30	3,734.00
1350		20,474.70	2,097.10	3,994.60
1500		21,849.30	2,317.80	3,994.60
1650		21,849.30	2,759.40	3,994.60
1800		21,849.30	3,200.70	3,994.60
2400		25,429.90	4,704.50	3,994.60

NOTES:

- 1) Headwalls as per OPSD 804.030 Modified and OPSD 804.040 Modified.
- 2) Grates as per OPSD 804.05.
- 3) Custom finishes available on request. Additional pricing will be applied based on finish requirements.
- 4) OPSD 804.040 Modified headwalls are multiple piece systems for easy and safe handling. See shop drawings for piece masses.
- 5) On-site assembly is the responsibility of the contractor.



CON/SPAN Culvert & Bridge Replacement System

SHORT SPAN SERIES

SPAN x RISE (m)	SPAN x RISE (ft)	MASS (tonnes /metre)
3.66 x 1.22	12 x 4	3.1
3.66 x 1.52	12 x 5	3.4
3.66 x 1.83	12 x 6	3.7
3.66 x 2.13	12 x 7	4.0
3.66 x 2.44	12 x 8	4.3
3.66 x 2.74	12 x 9	4.6
3.66 x 3.05	12 x 10	4.9
4.27 x 1.22	14 x 4	3.5
4.27 x 1.52	14 x 5	3.8
4.27 x 1.83	14 x 6	4.1
4.27 x 2.13	14 x 7	4.4
4.27 x 2.44	14 x 8	4.7
4.27 x 2.74	14 x 9	5.0
4.27 x 3.05	14 x 10	5.3

STANDARD UNIT LAY LENGTH IS 2.44 m; UNIT MASSES ARE APPROXIMATE.

INTERMEDIATE SPAN SERIES

SPAN x RISE (m)	SPAN x RISE (ft)	MASS (tonnes /metre)
4.88 x 1.52	16 x 5	5.3
4.88 x 1.83	16 x 6	5.7
4.88 x 2.13	16 x 7	6.1
4.88 x 2.44	16 x 8	6.5
4.88 x 2.74	16 x 9	6.9
6.10 x 1.52	20 x 5	5.7
6.10 x 1.83	20 x 6	6.1
6.10 x 2.13	20 x 7	6.5
6.10 x 2.44	20 x 8	6.9
6.10 x 2.74	20 x 9	7.3
6.10 x 3.05	20 x 10	7.7
7.32 x 1.52	24 x 5	6.3
7.32 x 1.83	24 x 6	6.7
7.32 x 2.13	24 x 7	7.1
7.32 x 2.44	24 x 8	7.5
7.32 x 2.74	24 x 9	7.9
7.32 x 3.05	24 x 10	8.3

STANDARD UNIT LAY LENGTH IS 2.44 m; UNIT MASSES ARE APPROXIMATE.



CON/SPAN Culvert & Bridge Replacement System

LONG SPAN SERIES

SPAN x RISE (m)	SPAN x RISE (ft)	MASS (tonnes /metre)
8.54 x 2.44	28 x 8	11.4
8.54 x 2.74	28 x 9	11.9
8.54 x 3.05	28 x 10	12.4
8.54 x 3.35	28 x 11	12.9
9.76 x 2.44	32 x 8	12.0
9.76 x 2.74	32 x 9	12.5
9.76 x 3.05	32 x 10	13.0
9.76 x 3.35	32 x 11	13.5
9.76 x 3.66	32 x 12	14.0
10.98 x 2.44	36 x 8	12.5
10.98 x 2.74	36 x 9	13.0
10.98 x 3.05	36 x 10	13.5
10.98 x 3.35	36 x 11	14.0
10.98 x 3.66	36 x 12	14.5
10.98 x 3.97	36 x 13	15.0

STANDARD UNIT LAY LENGTH IS 1.68 m OR 1.83 m; UNIT MASSES ARE APPROXIMATE.

SUPER SPAN SERIES

SPAN x RISE (m)	SPAN x RISE (ft)	MASS (tonnes /metre)
12.81 x 2.44	42 x 8	13.7
12.81 x 2.74	42 x 9	14.2
12.81 x 3.05	42 x 10	14.8
12.81 x 3.35	42 x 11	15.3
12.81 x 3.66	42 x 12	15.8
14.64 x 3.05	48 x 10	16.2
14.64 x 3.35	48 x 11	16.8
14.64 x 3.66	48 x 12	17.4
14.64 x 3.97	48 x 13	18.0

STANDARD UNIT LAY LENGTH IS 1.68 m OR 1.83 m; UNIT MASSES ARE APPROXIMATE.

NOTES:

- 1) Please contact a Con Cast Pipe Sales Representative for budget pricing or to receive a detailed marketing package including our CON/SPAN Engineering Guide.
- 2) Any technical concerns or unique application considerations should be directed to the Con Cast Pipe Sales Department at 800-668-PIPE (7473).



Specialty Precast Notes and Disclaimers

- 1 Quoted precast box, TriSpan, and chamber units will be designed as per CSA S6 (CHBDC).
- 2 Quoted box, TriSpan, and chamber units will be manufactured as per OPSS 1821 or CSA A23.4.
- 3 Precast cut-off walls, wingwalls, and headwalls will be manufactured as per CSA A23.4.
- 4 Box and TriSpan units to be installed as per Contract Documents or OPSS 422.
- 5 Box unit, chambers, and TriSpan units include jointing material of butyl rubber and filter fabric. This should not be considered a watertight joint solution. Waterproofing of the box, chamber, or TriSpan units are the responsibility of the contractor. For technical support and alternative waterproofing options, please contact your Sales Representative.
- 6 Responsibility of contractor to obtain approvals for use of the quoted precast alternatives to the specified cast-in-place structure.
- 7 Contractor responsible for supply and installation of all miscellaneous metals, frame and covers, ladders, etc. unless otherwise specified on quotation.
- 8 Contractor responsible for coring valve stem openings into flat caps.
- 9 Contractor responsible for design and construction of C.I.P. thrust blocks or thrust walls.
- 10 All box unit and chamber sections are supplied with bell and spigot joints. TriSpan units are quoted with flush end joints (butt joints). If a shear joint connection is required, the contractor is responsible for the supply and installation of any structural connection plates and fasteners to achieve the shear reinforcing strength required as per CHBDC CAN/CSA S6.
- 11 Construction review, structural adequacy, excavation requirements, dewatering, handling equipment, and soil stability is the responsibility of the contractor. Backfill and compaction are to be constructed as per the Owners requirements.
- 12 Any design, construction, and inspection of any poured in place structures are the responsibility of the contractor.
- 13 Details and size of hole openings in precast structures to be approved by contractor based on shop drawings supplied by Con Cast Pipe.
- 14 Final quotation will be based on siting, structural design, and shop drawing approval.
- 15 Delivery date of the quoted precast units will be subject to receipt of purchase order and approved shop drawings.
- 16 Contractor is responsible for cutting and removal of any temporary handling beams on site. The temporary handling beam should not be removed until the structure is installed in to its final location.
- 17 Quoted pricing for FREIGHT is a NET price. Trade discounts do not apply to Freight Costs.
- 18 Quoted prices are for the supply and delivery of precast concrete units F.O.B. (freight on board) truck at jobsite. Off-loading and installation is by others. The price includes one (1) hour of truck waiting time for each truckload delivery. Additional waiting time will be added to invoices at \$75.00 per hour.
- 19 For all products with an outside dimension greater than 3.85m (or 3.7m if being shipped to the City of Toronto) on the shortest wall, please allow 6 business days for Con Cast Pipe to obtain the appropriate oversize load permits prior to the delivery requirements for the product. These permits can take up to 14 business days depending on Ministry of Transportation and Municipal permit application approval. Please contact your Sales Representative for further information.
- 20 It is the responsibility of the contractor to rotate the units on site to the "installed" position if they are being shipped in the opposite orientation due to shipping constraints.
- 21 If an engineered stamped set of shop drawings are required, please allow an engineering surcharge of \$850.00 for each product requiring a stamped shop drawing.
- 22 Add \$75.70 for each set of threaded dowels and inserts, if required, for the construction of any cast-in-place structures.
- 23 Quoted products include the use of concrete exposure class C1 and reinforcing bars as per CAN/CSA G30.18, Grade 400W. If any other type of concrete, reinforcing bars or reinforcing labour (i.e. tying of reinforcement bar) are required for the precast concrete product quoted, Con Cast Pipe reserves the right to requote the product. All reinforcing steel in the quotation only covers welded steel only unless otherwise detailed on the quotation.
- 24 Shop drawings for specialty precast items will take 2-3 weeks from receipt of order.
- 25 Con Cast Pipe does not warranty products specified with ConShield admixture.
- 26 Precast concrete products quoted will be cured until a minimum strength of 25 MPa is achieved in accordance with OPSS 1821.07.03. No extended or wet curing operations are included unless otherwise stated on the quotation. Con Cast Pipe reserves the right to requote the product if extended or wet curing is required.
- 27 Unit prices are firm but sizes, quantities, and classifications are the responsibility of the contractor to verify for accuracy.
- 28 Prices are quoted excluding sales tax.



CON CAST PIPE



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