



2023

CONCAST PRICE LIST



Table of Contents

Terms & Conditions	Pages 2-4
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	Pages 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 Concast Inc. ("Concast").
2. All terms and conditions contained herein shall apply to any quotation and/or invoice provided by Concast to the Purchaser.
3. There are no warranties, representations and/or guarantees applicable to goods supplied by Concast to the Purchaser.
4. In the event Purchaser purchases materials from Concast 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 prevenient agreement and that one continuing contract of supply is deemed to be in place.
5. The Purchaser agrees that Concast shall retain title to all goods and/or materials supplied by Concast to Purchaser unless and until the Purchaser has paid for the goods and/or materials in full. Concast 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 Concast. 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 Concast to conduct or cause to be conducted credit investigations/inquiries on Purchaser and any related persons or companies. The Purchaser hereby authorizes Concast 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 Concast to collect, use and disclose credit reports or other information as may be deemed necessary by Concast, 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 Concast, 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 Concast.
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 Concast, in which case the amount of such increases will be added to the final invoice.
10. Concast shall not be obliged to supply any goods or materials pursuant to a quotation, whether accepted or not, until such time as Concast 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 Concast.
12. Waiver of any one or more of the terms and conditions herein by Concast shall not constitute a general waiver of terms and conditions and Concast 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 Concast 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 Concast 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 Concast reserves all of its rights and remedies as may be provided for under other provincial construction lien legislation.
17. **Force Majeure:** In no event shall Concast 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.

Terms & Conditions Continued

Payment

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

Return Policy

23. Concast 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 Concast'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 Concast, 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 Concast 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 Concast. Any such credit or refund shall be limited to the amounts obtained by Concast on resale, less applicable restocking charges as set out herein.
26. In the event Concast is prepared to accept the return of materials, then Concast'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. Concast 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 Concast 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 Concast's Guelph or Oakville facilities. Any deliveries to destinations in excess of 250 kilometres from Concast'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. Concast 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 Continued

Payment

30. **Exclusion of Liability:** Concast 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 Concast'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 Concast 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 Concast, the Purchaser will be charged a \$500.00 fee for return of product to Concast. Please contact your sales representative for further clarification, if required.
33. Concast 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, Concast 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 Concast 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 Concast's then current price list. Concast 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, Concast will deliver replacement product to the Purchaser at the site of the work. Concast's liability for defective products is limited to the replacement of same product at Concast's cost. Concast 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	136.90	136.90	136.90	136.90	136.90
375	306	168.80	168.80	168.80	168.80	168.80
450	381	173.90	173.90	173.90	217.60	217.60
525	470	189.60	189.60	221.70	261.70	261.70
600	578	255.50	255.50	293.20	345.10	345.10
675	691	391.50	391.50	445.60	522.10	522.10
750	780	516.00	516.00	589.50	689.30	689.30
825	912	598.50	598.50	761.10	800.00	800.00
900	1039	718.10	718.10	821.40	959.10	959.10
975	1195	787.90	829.40	943.70	1,104.60	1,104.60
1050	1277	902.30	947.50	1,084.90	1,263.90	1,263.90
1200	1561	1,130.90	1,187.90	1,358.90	1,583.40	1,583.40
1350	1939	1,454.30	1,526.90	1,746.70	2,034.20	2,034.20
1500	2123	1,778.80	1,866.80	2,134.30	2,490.20	2,490.20
1650	2500	2,130.10	2,238.20	2,558.10	2,982.30	2,982.30
1800	2865	2,573.80	2,706.10	3,089.40	3,605.10	3,605.10
1950	3324	2,985.00	3,137.80	3,581.20	4,180.50	4,180.50
2100	3807	3,425.20	3,593.00	4,109.10	4,792.50	4,792.50
2250	4311	3,892.60	4,089.00	4,671.80	5,451.20	5,451.20
2400	4869	4,556.30	4,779.90	5,463.60	6,374.60	6,374.60
2550	5179	5,131.60	5,383.60	6,154.90	7,181.80	7,181.80
2700	5752	5,695.40	5,979.20	6,834.10	7,973.50	7,973.50
3000	7043	6,974.00	7,326.20	8,373.10	9,767.80	9,767.80

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	167.90
1500mm and over	335.20

Reducers & Increasers

PRICE PER PIECE

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

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

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.



CONCAST

CONCAST.
CONSTRUCT.
CONNECT.

CUSTOMER RELATIONSHIPS LAST AS LONG AS OUR PRODUCTS.

As a full-service supplier of concrete and precast products, we pride ourselves on our innovative products and comprehensive approach to customer service. At Concast, we offer guidance, tools, and solutions to meet our customers' needs, establishing long-lasting, dependable relationships from the start to finish of any project. Our expert staff will provide assistance with project budgets, timelines, and material selection from our variety of infrastructure products including PERFECT PIPE. Choosing Concast ensures high-quality, reliable products and service, guaranteed.

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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	222.10	233.60	298.00	404.80	484.10	560.50
125	244.30	255.90	327.20	442.90	531.40	614.30
150	269.00	283.00	360.20	488.80	585.40	678.00
200	358.90	376.90	480.90	651.60	781.50	903.70
250	402.00	421.60	537.90	729.60	874.90	1,011.80
300	547.20	774.90	1,005.40	1,424.60	1,843.80	2,513.60
375	662.00	886.20	1,193.40	1,671.70	2,199.60	2,706.00
450	809.20	1,001.70	1,312.10	1,790.70	2,319.00	2,824.50
525	874.10	1,033.10	1,345.10	1,823.50	2,351.00	2,857.10
600		1,292.50	1,611.70	2,090.30	2,617.30	3,123.90
675		1,839.80	2,087.10	2,566.10	3,093.70	3,599.90
750		2,376.30	2,590.90	3,068.90	3,597.00	4,102.70
825		2,718.10	2,899.40	3,378.60	3,906.60	4,412.30
900			3,372.00	3,850.90	4,378.20	4,883.60
975			3,839.20	4,278.80	4,806.90	5,312.90
1050			4,360.50	4,756.30	5,283.70	5,789.50
1200			5,380.90	5,710.60	6,239.20	6,744.50
1350				7,121.00	7,607.90	8,206.50

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.

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	737.40	737.40	737.40	737.40	90°
375	913.30	913.30	913.30	913.30	90°
450	940.90	940.90	940.90	1,175.60	90°
525	1,024.90	1,024.90	1,198.20	1,411.20	90°
600	1,302.60	1,302.60	1,495.90	1,760.00	90°
675	1,958.00	1,958.00	2,229.50	2,610.40	90°
750	2,580.92	2,580.92	2,950.70	3,447.20	90°
825	2,992.50	2,992.50	3,805.60	4,000.10	90°
900	3,587.60	3,587.60	4,104.70	4,791.10	90°
975	3,939.40	4,148.60	4,719.60	5,519.90	90°
1050	4,510.70	4,738.20	5,423.90	6,319.20	90°
1200	5,652.10	5,938.60	6,794.70	7,918.50	90°
1350	7,273.70	7,633.70	8,733.30	10,171.40	90°
1500	8,892.30	9,331.70	10,671.00	12,449.40	90°
1650	10,651.40	11,190.40	12,788.80	14,906.80	75°
1800	12,868.80	13,528.50	15,447.80	18,024.50	70°
1950	14,926.20	15,686.30	17,905.10	20,902.10	65°
2100	17,125.50	17,964.70	20,543.90	23,959.50	62°
2250	19,464.00	20,442.40	23,359.20	27,256.50	60°
2400	22,780.50	23,899.80	27,316.20	31,872.80	56°
2550	25,657.40	26,916.70	30,773.40	35,909.30	53°
2700	28,475.70	29,894.90	34,171.20	39,865.60	50°
3000	34,869.80	36,628.80	41,864.50	48,837.70	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	1,040.60	1,098.70	1,220.00	1,399.60	931
1050	865 x 1345	1,273.90	1,332.50	1,502.60	1,722.30	1214
1200	965 x 1525	1,565.50	1,636.90	1,838.90	Available Upon Request	1490
1350	1090 x 1725	1,964.60	2,068.30	2,319.40	Available Upon Request	1840
1500	1220 x 1930	2,342.00	2,463.10	2,772.30	Available Upon Request	2198
1650	1345 x 2110	2,776.90	2,920.30	3,274.50	Available Upon Request	2600
1800	1475 x 2310	3,341.90	3,503.60	3,933.70	Available Upon Request	3040
1950	1600 x 2490	3,839.70	4,042.00	4,530.90	Available Upon Request	3502
2100	1725 x 2690	4,378.20	4,607.00	5,167.60	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 \$6,440.59 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	2,942.60
1800 x 1200	200	2.16	3690	0.6 to 5.5	3,212.00
2400 x 1200	200	2.89	4560	0.6 to 3.6	4,098.40
2400 x 1500	200	3.63	4870	0.6 to 3.6	4,390.70
2400 x 1800	200	4.38	5170	0.6 to 3.6	4,683.90
3000 x 1500	250	4.51	6860	0.6 to 3.6	6,412.40
3000 x 1800	250	5.44	7250	0.6 to 3.6	6,779.80
3000 x 2100	250	6.37	7630	0.6 to 3.6	7,144.20
3000 x 2400	250	7.30	8020	0.6 to 3.6	7,507.60

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	3,703.10
1800 x 1200	200	2.16	3690	0.0 to 0.6 & 5.5 to 8.0	4,028.50
2400 x 1200	200	2.89	4560	0.0 to 0.6 & 3.6 to 6.0	5,151.90
2400 x 1500	200	3.63	4870	0.0 to 0.6 & 3.6 to 5.0	5,562.80
2400 x 1800	200	4.38	5170	0.0 to 0.6 & 3.6 to 5.0	5,861.90
3000 x 1500	250	4.51	6860	0.0 to 0.6 & 3.6 to 5.0	7,886.00
3000 x 1800	250	5.44	7250	0.0 to 0.6 & 3.6 to 5.0	8,216.30
3000 x 2100	250	6.37	7630	0.0 to 0.6 & 3.6 to 5.0	8,644.90
3000 x 2400	250	7.30	8020	0.0 to 0.6 & 3.6 to 5.0	9,077.20

NOTES:

- 1) **BOX LAY LENGTH** - 2.44 m.
- 2) **JOINTING MATERIAL** - Add 5% to above price per metre.
- 3) **DELIVERY** - Please contact the CONCAST 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** - \$1,149.62 per unit.
- 12) **STANDARD 15M DOWELS & INSERTS** - \$133.20 per set.
- 13) **SCRIBED HOLES** - \$336.27 each.
- 14) **685mm ACCESS OPENING IN TOP SLAB** - \$1,916.00 (includes steps).
- 15) **1200mm MANHOLE TEE** - \$7,081.73 (includes steps).
- 16) **Additional sizes available upon request. Please contact our Sales Department for special box size pricing and depths greater than listed above.**

1200mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1200	taper top c/w steps	1.320	1905 kg/pc	1,564.50 ea.
1200	flat cap	0.305	715 kg/pc	891.40 ea.
1200	riser c/w steps	0.305 to 1.829	1324 kg/m	1,140.10 /m
1200	monolithic base c/w steps	0.914	1760 kg/pc	1,883.50 ea.
1200	monolithic base c/w steps	1.067	1960 kg/pc	2,057.00 ea.
1200	monolithic base c/w steps	1.219	2160 kg/pc	2,231.30 ea.
1200	monolithic base c/w steps	1.372	2360 kg/pc	2,404.50 ea.
1200	monolithic base c/w steps	1.524	2550 kg/pc	2,576.90 ea.
1200	monolithic base c/w steps	1.676	2750 kg/pc	2,750.40 ea.
1200	base slab	0.203	780 kg/pc	891.40 ea.
1200	safety grate supplied & installed			2,136.20 ea.
1200	prebenching			1,027.70 ea.

1500mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1500	flat cap	0.430	1810 kg/pc	1,776.20 ea.
1500 to 1200	transition c/w steps	0.610	1678 kg/pc	1,776.20 ea.
1500 to 1200	transition c/w steps	0.914	2266 kg/pc	2,303.20 ea.
1500	riser c/w steps	3.05 to 2.438	1927 kg/m	1,728.00 /m
1500	monolithic base c/w steps	1.219	3430 kg/pc	4,143.60 ea.
1500	monolithic base c/w steps	1.524	4040 kg/pc	4,670.30 ea.
1500	monolithic base c/w steps	1.829	4645 kg/pc	5,195.60 ea.
1500	monolithic base c/w steps	2.032	5050 kg/pc	5,460.10 ea.
1500	monolithic base c/w steps	2.184	5350 kg/pc	5,722.90 ea.
1500	base slab	0.305	1770 kg/pc	1,776.20 ea.
1500	safety grate supplied & installed			3,007.90 ea.
1500	prebenching			1,382.90 ea.

1800mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
1800	flat cap	0.430	2720 kg/pc	2,395.20 ea.
1800 to 1200	transition c/w steps	0.610	2400 kg/pc	2,395.20 ea.
1800	riser c/w steps	0.610 to 2.438	2756 kg/m	2,457.20 /m
1800	base slab	0.305	2630 kg/pc	2,395.20 ea.
1800	safety grate supplied & installed			3,902.90 ea.

2400mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
2400	flat cap	0.430	4980 kg/pc	4,746.30 ea.
2400 to 1200	transition slab c/w steps	0.430	4210 kg/pc	4,746.30 ea.
2400	riser c/w steps	0.610 to 2.438	4598 kg/m	4,380.50 /m
2400	base slab	0.305	4620 kg/pc	4,746.30 ea.
2400	safety grate supplied & installed			6,103.20 ea.

3000mm Reinforced Concrete Maintenance Holes

SIZE (mm)	DESCRIPTION	HEIGHT (m)	APPROX. MASS	PRICE \$
3000	flat cap	0.450	7847 kg/pc	7,993.10 ea.
3000 to 1200	transition slab c/w steps	0.450	7258 kg/pc	7,993.10 ea.
3000	riser c/w steps	0.610 to 2.438	7043 kg/m	6,853.00 /m
3000	base slab	0.305	8225 kg/pc	7,993.10 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	14,114.40 ea.
3600 to 1200	transition slab c/w steps	0.450	10500 kg/pc	14,114.40 ea.
3600	riser c/w steps	0.610 to 1.829	11042 kg/m	14,935.00 /m
3600	base slab	0.305	10500 kg/pc	14,114.40 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	40.20 ea
solid aluminum steps OPSD 405.020	58.30 ea
outside rebar steps - supplied & installed fo C.I.P. drop structures	53.70 ea
maintenance hole clean out steps - supplied & installed	59.70 ea
maintenance hole frames & covers OPSD 401.010	996.20 ea
hatches cast into flat caps (hatch by others)	915.70 ea
swift lift lifting eyes (4 tonne capacity)	617.00 ea
swift lift lifting eyes (8 tonne capacity)	1,161.50 ea
engineering surcharge (non-standard engineering requirements)	1,459.30 ea

Maintenance Grade Rings

50mm maintenance hole grade ring - 12 per bundle - 52 kg ea.	68.90 ea
75mm maintenance hole grade ring - 8 per bundle - 75 kgs ea.	73.20 ea
75mm maintenance hole grade ring c/w step - 8 per bundle - 75 kgs ea.	107.80 ea
150mm maintenance hole grade ring - 150 kgs ea.	253.90 ea
300mm maintenance hole grade ring c/w step - 430 kgs ea.	325.10 ea
modutape (6.1 metres per roll)	24.60 /roll

Maintenance Hole Estimate Sheet

1200 mm DIAMETER
MONOBASE MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.52	3,132.70
1.53	1.68	3,306.50
1.69	1.85	3,482.60
1.86	2.01	3,654.00
2.02	2.17	3,826.70
2.18	2.33	3,629.50
2.34	2.50	3,808.00
2.51	2.66	3,978.30
2.67	2.82	4,152.00
2.83	2.98	4,325.80
2.99	3.15	4,500.70
3.16	3.31	4,673.40
3.32	3.47	4,851.80
3.48	3.63	5,022.10
3.64	3.80	5,195.90
3.81	3.96	5,368.50
3.97	4.12	5,543.40
4.13	4.28	5,891.00
4.29	4.45	6,066.00
4.46	4.61	6,238.50
4.62	4.77	6,413.50
4.78	4.99	6,586.10
5.00	5.15	9,013.20
5.16	5.31	9,363.10
5.32	5.48	9,538.10
5.49	5.64	9,713.00
5.65	5.80	9,884.50
5.81	5.96	10,058.20
5.97	6.13	10,233.10
6.14	6.29	10,405.70
6.30	6.45	10,578.30
6.46	6.61	10,579.50
6.62	6.78	10,928.20
6.79	6.94	10,928.20
6.95	7.10	11,100.90
7.11	7.26	11,449.60
7.27	7.43	11,624.50
7.44	7.59	11,792.50
7.60	7.75	11,868.50
7.76	7.91	12,144.70
7.92	8.08	12,317.30

1500 mm DIAMETER
MONOBASE MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	5,931.80
1.68	1.99	6,457.80
2.00	2.30	6,981.50
2.31	2.62	7,511.00
2.63	2.93	8,035.80
2.94	3.25	8,564.10
3.26	3.56	9,278.00
3.57	3.88	9,624.30
3.89	4.19	9,971.90
4.20	4.51	10,124.70
4.52	4.82	10,297.20
4.83	4.99	10,471.10
5.00	5.30	12,900.50
5.31	5.62	13,249.20
5.63	5.93	13,596.80
5.94	6.25	13,943.20
6.26	6.56	14,291.90
6.57	6.88	14,639.40
6.89	7.19	14,987.00
7.20	7.51	15,332.20
7.52	7.82	15,678.60
7.83	8.14	16,027.30

Maintenance Hole Estimate Sheet
1800 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	7,795.60
1.68	1.99	8,547.80
2.00	2.30	9,294.20
2.31	2.62	10,044.10
2.63	2.93	10,789.50
2.94	3.25	11,540.60
3.26	3.56	11,281.60
3.57	3.88	11,629.20
3.89	4.19	11,988.80
4.20	4.51	12,128.30
4.52	4.82	12,304.50
4.83	4.99	12,649.70
5.00	5.30	15,395.20
5.31	5.62	15,719.40
5.63	5.93	16,068.10
5.94	6.25	16,414.50
6.26	6.56	16,763.20
6.57	6.88	17,108.40
6.89	7.19	17,457.20
7.20	7.51	17,801.20
7.52	7.82	18,151.10
7.83	8.14	18,502.20

2400 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	14,841.20
1.68	1.99	16,177.80
2.00	2.30	17,513.10
2.31	2.62	18,848.60
2.63	2.93	20,180.50
2.94	3.25	21,422.60
3.26	3.56	21,769.00
3.57	3.88	22,113.00
3.89	4.19	22,669.80
4.20	4.51	22,440.80
4.52	4.82	22,787.20
4.83	4.99	22,941.10
5.00	5.30	25,877.90
5.31	5.62	25,911.70
5.63	5.93	26,206.80
5.94	6.25	26,553.20
6.26	6.56	26,899.57
6.57	6.88	27,249.50
6.89	7.19	27,595.90
7.20	7.51	27,944.60
7.52	7.82	28,291.00
7.83	8.14	28,637.40

3000 mm DIAMETER
BASE SLAB MH

DEPTH (m)		PRICE \$ /ea
FROM	TO	
1.37	1.67	24,350.10
1.68	1.99	26,441.20
2.00	2.30	28,530.00
2.31	2.62	30,620.10
2.63	2.93	32,701.90
2.94	3.25	33,944.00
3.26	3.56	34,290.40
3.57	3.88	34,463.00
3.89	4.19	34,615.80
4.20	4.51	34,846.80
4.52	4.82	35,310.90
4.83	4.99	35,505.70
5.00	5.30	38,283.90
5.31	5.62	38,316.40
5.63	5.93	38,609.20
5.94	6.25	38,959.10
6.26	6.56	39,305.50
6.57	6.88	39,653.00
6.89	7.19	40,000.60
7.20	7.51	40,350.50
7.52	7.82	40,693.40
7.83	8.14	41,040.90

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)

Flexible Connectors

Pipe to maintenance hole connectors, supplied and installed.

CONCRETE PIPE	PVC PIPE	PRICE (\$/ea.)
	150 & 200	313.90
	250 & 300	409.90
300	375	539.00
375	450	644.30
450	525	815.10
525		962.40
	600	911.80
600		1,140.80
	675	962.40
675		1,287.50

NOTE:

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

Monobox Maintenance Holes

SIZE (mm)	PRICE \$ /metre
2400 x 1800	6,691.90
3000 x 2400	10,730.40
3900 x 2400	15,142.30
3900 x 3000	19,511.10

NOTES:

- 1) For Monotransitions including a 1200mm diameter chimney, add \$354.25 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 CONCAST 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			2,511.50	1680		
1200 x 1200 (200mm Wall)	2,001.70	1350	3,379.90	3080	2,001.70	1350
1800 x 1500 (200mm Wall)	3,041.60	2180	4,185.70	4000	3,041.60	2180
2400 x 1800 (200mm Wall)	4,248.20	3210	4,824.40	4920	4,248.20	3210
2400 x 2400 (200mm Wall)	6,188.30	4080	7,964.40	5530	6,188.30	4080
3000 x 2400 (250mm Wall)	7,494.20	6600	7,749.60	8020	7,494.20	6600
3000 x 3000 (250mm Wall)	10,207.50	9560	12,019.50	8790	10,207.50	9560

NOTES:

- 1) Above prices include allowance for two holes in riser walls. Additional holes are \$310.21 each.
- 2) For transition slabs, please add \$293.48 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 CONCAST 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	746.70
600 x 600 x 150 wall catchbasin	1.067 to 1.981	1220	1,009.10
600 x 600 x 150 wall ditch inlet catchbasin	1.219 to 1.981	1220	1,009.10
600 x 1200 x 150 wall double ditch inlet catchbasin	1.219 to 1.981	1785	1,638.40
600 x 840 x 115 wall curb inlet catchbasin	1.219 to 1.981	1060	1,181.20
600 x 1450 x 115 wall twin inlet catchbasin	1.219 to 1.981	1640	1,448.90

NOTES:

1) For Ditch Inlet Catch Basins, please add \$228.80/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	1,031.00 ea
ditch inlet catch basin gratings - type "A" (fits 600 x 600 Ditch Inlet CB)	888.50 ea
ditch inlet catch basin gratings - type "B" (fits 600 x 1200 Ditch Inlet CB)	1,307.60 ea
ditch inlet catch basin gratings - type "C" (fits 600 x 1200 Ditch Inlet CB)	1,435.70 ea
ditch inlet grate fasteners	228.80 /set
point of entry trap or goss trap with plug	1,042.70 ea
point of entry trap filter	99.80 ea
catch basin inlet control devices (inserts installed only)	202.60 /set
swift lift lifting eyes (4 tonne capacity)	617.00 ea.

Catchbasin Grade Rings

50mm catch basin grade ring - 12 per bundle - 36 kgs ea.	65.40 ea
75mm catch basin grade ring - 8 per bundle - 75 kgs ea.	69.30 ea
125mm catch basin grade ring - 105 kgs ea.	104.00 ea
150mm catch basin grade ring - 125 kgs ea.	232.30 ea
300mm catch basin grade ring - 245 kgs ea.	308.90 ea
modutape (6.1 metres per roll)	24.60 /roll

Catch Basin Estimate Sheet

**600 x 600 SINGLE INLET
115 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	682.50
1.067	796.70
1.219	910.20
1.372	1,024.50
1.524	1,138.00
1.676	1,251.40
1.829	1,365.70
1.981	1,479.10
2.134	1,593.40
2.287	1,707.60
2.439	1,821.10
2.592	1,935.40
2.744	2,048.90
2.897	2,163.10
3.049	2,276.60
3.202	2,390.80
3.354	2,504.30
3.507	2,618.60
3.659	2,732.10
3.812	2,846.20

**600 x 600 SINGLE INLET
150 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	922.50
1.067	1,076.80
1.219	1,230.20
1.372	1,384.60
1.524	1,538.00
1.676	1,691.40
1.829	1,845.80
1.981	1,999.30
2.134	2,153.70
2.287	2,308.00
2.439	2,461.40
2.592	2,615.90
2.744	2,769.30
2.897	2,923.70
3.049	3,077.10
3.202	3,231.50
3.354	3,384.90
3.507	3,539.20
3.659	3,692.60
3.812	3,847.10

**600 x 1450 TWIN INLET
115 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	1,324.40
1.067	1,546.10
1.219	1,766.20
1.372	1,987.80
1.524	2,208.10
1.676	2,428.40
1.829	2,650.10
1.981	2,870.30
2.134	3,092.00
2.287	3,313.60
2.439	3,533.90
2.592	3,755.50
2.744	3,975.80
2.897	4,197.40
3.049	4,417.80
3.202	4,639.40
3.354	4,859.70
3.507	5,081.30
3.659	5,301.50
3.812	5,523.10

**600 x 600 DITCH INLET
150 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	922.50
1.067	1,076.80
1.219	1,230.20
1.372	1,384.60
1.524	1,538.00
1.676	1,691.40
1.829	1,845.80
1.981	1,999.30
2.134	2,153.70
2.287	2,308.00
2.439	2,461.40
2.592	2,615.90
2.744	2,769.30
2.897	2,923.70
3.049	3,077.10
3.202	3,231.50
3.354	3,384.90
3.507	3,539.20
3.659	3,692.60
3.812	3,847.10

**600 x 1200 DITCH INLET
150 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	1,497.60
1.067	1,748.10
1.219	1,997.30
1.372	2,247.90
1.524	2,497.00
1.676	2,745.90
1.829	2,996.70
1.981	3,245.70
2.134	3,496.30
2.287	3,747.10
2.439	3,996.10
2.592	4,246.80
2.744	4,495.80
2.897	4,746.50
3.049	4,995.50
3.202	5,246.30
3.354	5,495.20
3.507	5,745.90
3.659	5,995.00
3.812	6,245.70

**600 x 840 CURB INLET
115 WALL THICKNESS**

HEIGHT (m)	PRICE \$ /ea
0.914	1,079.60
1.067	1,260.50
1.219	1,439.90
1.372	1,620.70
1.524	1,800.20
1.676	1,979.80
1.829	2,160.50
1.981	2,340.10
2.134	2,520.70
2.287	2,701.50
2.439	2,881.00
2.592	3,061.80
2.744	3,241.20
2.897	3,422.10
3.049	3,601.60
3.202	3,782.30
3.354	3,961.80
3.507	4,142.50
3.659	4,322.10
3.812	4,502.90

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	4,764.20		1,170.00	
375	4,764.20		1,170.00	
450	5,790.40		1,288.60	
525	5,790.40		1,288.60	
600	7,394.60	19,952.80	1,330.60	4,989.70
675	7,394.60	19,952.80	1,330.60	4,989.70
750	9,031.00	19,952.80	1,576.80	4,989.70
825	9,031.00	19,952.80	1,576.80	4,989.70
900	10,682.80	25,030.30	1,834.00	5,170.20
975		25,030.30	1,917.60	5,170.20
1050		25,030.30	1,986.70	5,170.20
1200		25,030.30	2,139.70	5,170.20
1350		28,349.90	2,903.70	5,531.10
1500		30,253.30	3,209.30	5,531.10
1650		30,253.30	3,820.80	5,531.10
1800		30,253.30	4,431.70	5,531.10
2400		35,211.00	6,514.10	5,531.10

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 CONCAST 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 CONCAST Sales Department at 800-668-7473.

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 is 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 Owner's 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 Concast.
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 into 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 \$85.00 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 Concast 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 is required, please allow an engineering surcharge of \$1,000.00 for each product requiring a stamped shop drawing.
22. Add \$85.90 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, Concast reserves the right to requote the product. All reinforcing steel in the quotation only covers welded steel unless otherwise detailed on the quotation.
24. Shop drawings for specialty precast items will take 2-3 weeks from receipt of order.
25. Concast 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. Concast 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.



299 BROCK ROAD SOUTH
PUSLINCH, ON N0B 2J0
+1 800 668 7473

CONCASTPIPE.COM