

# Meeting Minutes

8440 Allison Pointe Blvd., Suite 200, Indianapolis, IN 46250 (317) 895-2585



August 15, 2018

Mr. Charles Leser, PE  
Madison County Engineer  
2830 West Eight Street  
Anderson, IN 46011

RE: Contract No: B-36317    Project No: 1297202  
Madison County Bridge No. 502 Replacement  
Progress Meeting

Dear Mr. Leser,

A progress meeting was held on August 15, 2018. The following people were in attendance:

- Charles Leser                      Madison County
- Jim Beasley                         Madison County
- Braun Rodgers                     United Consulting
- Bill Schultz                         Primco
- Jeff Trueblood                      3D

The minutes follow the agenda handed out during the meeting.

## **Schedule**

- Piers – The Pier 5 footings will be poured today. Primco will pour the Pier 5 columns on Monday. The next span will be dropped and Primco will start constructing Pier 6 and Bent 7.
- Wall 1A – On hold until the waterway work is completed.
- Wall 4 – On hold until the waterway work is completed.
  - The shop drawings are currently under review.
  - The power must be disconnected to Healing Hands and the pole supported during sheeting. Sufficient notice must be given to coordinate with AML&P.
  - Madison County requests a few days notice to have the Health Department parking lot cleared.
- Pier 4 Slope – Primco will grade the slope today and a filter berm will be installed.
- East bank – Filter sock must be repaired. It was damaged due to the high river level.
- Modified Sealer – No date given.
- Removals – 3D is approximately 3-4 weeks out on the removals.

## **Open Discussion**

- Sliding Tooth Joint
  - The sliding tooth joint stud welds have failed. The sound is a nuisance.

- FHWA and INDOT inspected the joint last Friday. INDOT produced the sliding joint detail in 2012. The joint had not been used on a project before but INDOT was pushing for it to be included on this project.
- Madison County directed Primco to remove the failing sliding joint. The time will be tracked and added to the new expansion joint's change order.
- Madison County is currently exploring options for a new joint type. One joint the County is exploring is the Wabo TransFlex. The data sheet for this is attached.
- An additional PO was requested for the non-participating items on Change Order No. 4. Once the funding is available, the change order will be paid.
- Air Monitoring Results – Primco does not have the results back yet.

The above minutes reflect our understanding of the discussions and decisions made at this meeting. If you have any questions, additions, or comments, please contact our office at your convenience.

Sincerely,  
**UNITED CONSULTING**



Braun Rodgers  
Construction Manager

c: All Attendees  
Eryn Fletcher  
Stephani Vermillion  
Andy Nahrwold  
Michelle Loveall  
Brian Miller  
Jeff Parke  
File

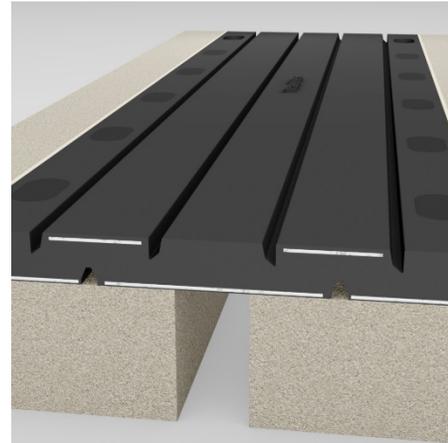
# Wabo®TransFlex

Molded Rubber Segmental Expansion Joint System

Features	Benefits
<ul style="list-style-type: none"> <li>Minimal open surface</li> </ul>	Prevents accumulation of debris, ice and incompressible items. Provides a smooth riding surface.
<ul style="list-style-type: none"> <li>Versatility</li> </ul>	Combines the strength of steel and the flexibility of elastomer rubber.
<ul style="list-style-type: none"> <li>Durability</li> </ul>	Steel reinforced elastomer provides a durable surface under traffic and adjusts readily to structural movement.

## DESCRIPTION:

Wabo®TransFlex is the original-reinforced elastomeric molded rubber expansion joint system. All sections feature tongue and groove fittings for tight end-to-end mating across decks and at curbs and are steel reinforced. It can be installed in new decks, or in older structures on rehabilitation projects. All models adapt readily to skew angles. Properly installed, the Wabo®TransFlex system will accommodate anticipated thermal movements reject debris and create a level, smooth-riding, wear-resistant surface.



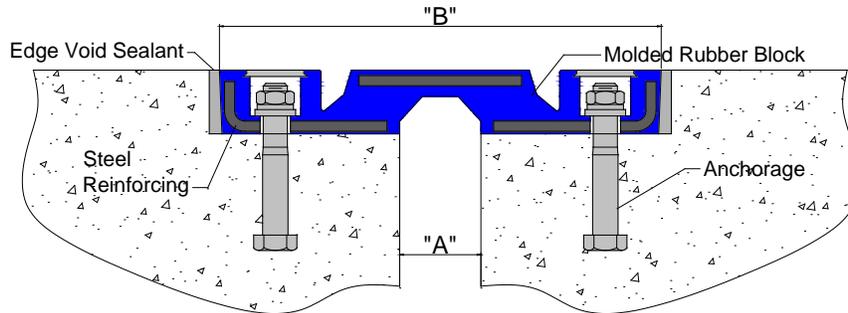
## RECOMMENDED FOR:

- Low height joint sealing restrictions
- Bridges, decks and ramps
- Expansion joint applications with maximum movement of 13 inches
- New construction or repair and maintenance of existing joints

## PACKAGING/COVERAGE:

- Standard 6-foot panel lengths are provided with the exceptional of Model 1300, which are 4-foot panels.
- NP1 Sealant is an elastomeric compound used to seal the edge voids. Sealant is supplied in 9.8 oz tubes. Sealant coverage will depend on edge void size, placement, waste and experience.
- Bolt hole cavities are typically filled with URA Sealant.

**TECHNICAL DATA:**



**Movement Table**

Model Number	Molded Dimensions				Joint Opening "A"						System Width "B"			
	Width		Height		Min.		Max.		Total		Min.		Max.	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
200A	10.875	276	1.563	40	1.000	25	3.000	77	2.0	51	9.875	251	11.875	303
250	14.000	356	1.813	46	1.250	32	3.750	95	2.5	64	12.750	324	15.250	387
400A	23.250	591	2.125	54	2.000	51	6.000	152	4.0	102	21.250	540	25.250	641
650	28.500	724	3.000	76	1.500	38	8.000	203	6.5	165	25.250	641	31.750	806
900	35.375	899	3.750	95	1.750	44	10.750	273	9.0	229	30.875	784	39.875	1013
1300	47.500	1207	5.000	127	2.000	51	15.000	381	13.0	330	41.000	1041	54.000	1372

Consult your WBA Representative with your special design requirements

**Physical Properties**

The steel angles imbedded in the molded neoprene panels are formed of ASTM A36 steel. The neoprene block rubber shall have the physical properties conforming to the following requirements:

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength, min	D 412	1,800 psi
Elongation at Break, min	D 412	400%
Hardness, Shore A	D 2240	45 +/-5
Compression Set, 22 hrs@158F	D 395	20%
Oil Swell, 70 hrs. @212°F(100°C)	D 471	120%
Ozone Resistance	D 1149	no cracks
Low Temperature Brittleness	D 746	not brittle

Requirements shown reflect test results taken immediately following compound mixing. Results may vary and are not indicative of product performance if specimens are skived from finished, molded parts.



We create chemistry

## APPLICATION:

### INSTALLATION SUMMARY:

- **Newly placed concrete:** the joint interface must be dry and clean (free of dirt, coatings, rust, grease, oil, and other contaminants), sound and durable. New concrete must be cured (minimum of 14 days).
- **Aged concrete:** loose, contaminated, weak, spalled, deteriorated and/or delaminated concrete must be removed to sound concrete and repaired prior to placement.
- Prepare blockouts to proper dimensions and grades. Care should be taken to ensure all anchors are set at right angles to the bottom of the blockout.
- The joint opening must be abrasive blasted to remove all latencies and contaminants which may cause bonding problems. The joint opening should be blown clean using compressed air (>90psi).
- Install WaboTransFlex units starting at the curb over the applied NP1 Sealant.
- Proceed until reaching the field cut piece. Apply NP1 Sealant to ends of field cut pieces prior to final placement.
- Retorque all anchors approximately one half hour after tightening.
- Fill bolt hole cavity with URA Sealant and voids between Transflex sections and vertical face of blockout with NP1 Sealant.

### LIMITED WARRANTY:

Watson Bowman Acme Corp. warrants that this product conforms to its current applicable specifications. WATSON BOWMAN ACME CORP. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Watson Bowman Acme Corp. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL WATSON BOWMAN ACME CORP. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Watson Bowman Acme representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

## WaboTransflex\_0317

Watson Bowman Acme Corp.  
95 Pineview Drive  
Amherst, NY 14228  
phone: 716-691-7566  
fax: 716-691-9239  
wbacorp.com

## FOR BEST RESULTS:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if the joint's anticipated movement will exceed the system's movement range.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50°F (10°C) and 90°F (32°C). Do not store in high humidity.
- Do not install when surface temperature is less than 40°F (4°C).
- Shelf life of chemical components is approximately 1 year.
- Periodically inspect the applied material and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website ([www.wbacorp.com](http://www.wbacorp.com)) or contact a customer service representative.

## RELATED DOCUMENTS:

- Material Safety Data Sheets
- WaboTransFlex Specification
- WaboTransFlex Sales Drawings
- WaboTransFlex Installation Procedure

## OPTIONS/EQUIPMENT:

- Torque wrench to tighten anchors
- Pry bar to move or position panel
- Hydraulic ram assembly to adjust system for ambient temperature

