



**AGENDA**

**DC-25: Parking Structures Committee**

Tuesday, October 20, 2020

4:00 p.m. - 6:00 p.m. Eastern

Virtual Convention Meeting via Zoom

**Voting Members Present (X of 10)**

Rashid Ahmed - Chair  
Walker Consultants

Tim Christle  
Post-Tensioning Institute  
Representative

Asit Baxi – TAB Contact, V  
Baxi Engineering Inc.

Rafael Machado  
Ellinwood Machado, LLC

James Donnelly  
Wiss Janney Elstner Associates,  
Inc.

Katherine Farley  
Veitas and Veitas Engineers

Martin Maingot  
SCA Engineers

Dr. Zuming Xia  
VSL

Haixue Liao  
Vector Corrosion Technologies

Michael Pedraza  
United Forming

Prakash Surali  
BASF Corporation

**Visitors**

**ACTION ITEMS FROM LAST / THIS MEETING**

Item #	Subject	Action	Responsible	Deadline / Completed
1.1	Mission Statement	Communicate committee's revised mission statement to TAB	PTI Staff	Complete
2.1	Marketing for PT Parking Structures	Identify target audiences and sources of information  Action plan for resurrecting 1992 brochure and revisiting some of those decks today	All  All	Ongoing  Ongoing
3.1	SWOT Analysis	Maintain and update this analysis as a template to keep our focus	All	Ongoing
4.1.4	Formwork standardization and design classes cost analysis	Examine cost implications of different spans, member sizes and tensile stress limits	Task Group led by Rafael	Ongoing
5.1	Parking Structures Technical Note	Develop a TN focused on durability and decreased life cycle costs. Consider study of SLC Airport parking deck	Task Group led by Rashid	Ongoing
6.1	Update PTI Publication DC20.7-01	Form a Task Group as a joint effort between DC-25 and DC-20 to update this publication	Rashid, Carol H., PTI Staff	On Hold

Agenda Item	Expected Outcome / Actions Taken
<b>A. General</b> A.1 Call to Order A.2 Introductions A.3 Committee Roster / Changes A.4 PTI Antitrust Policy	A.1 A.2 A.3 <b>Martin Maingot and Zuming Xia added as voting members</b> A.4 Policy reminder included with agenda
<b>B. Agenda</b> B.1 Approval of Agenda B.2 Approval of Minutes from 5/29/20 (Meeting ballot required)	B.1 B.2 Vote on approval of Minutes from 5/29/20 Web meeting Motion/Second: <b>Name/Name</b> Result: <b>X-X-X (Y-N-A)</b>

Agenda Item	Expected Outcome / Actions Taken
<p><b><u>C. Actions Taken Between Meetings</u></b>  C.1 Letter Ballots  C.2 Web Meetings</p>	<p>C.1 None.  C.2 <b>The TG working on the Durability Tech Note held a web meeting on 6/30/20.</b></p>
<p><b><u>1. Action Item 1: (Mission Statement)</u></b>  1.1. Review and update Mission Statement</p>	<p><b>1.1 Close this action item and remove it.</b></p>
<p><b><u>2. Action Item 2: (Marketing for PT Parking Structures)</u></b>  2.1 Develop material for the Marketing Committee's use in promoting PT Parking Structures</p>	<p>2.1 How can we help the Marketing Committee put together marketing materials for successful garages?</p> <ul style="list-style-type: none"> <li>• Identify target audiences and publications/trade magazines/sources of information. Need to know that before creating the marketing piece. <ul style="list-style-type: none"> <li>○ <b>Status?</b></li> <li>○</li> </ul> </li> <li>• Action plan for re-release CIP parking structures brochure issued in early 90s. (1992 PTI/CRSI/NRMCA "Cast-in-Place Concrete Parking Structures"). Re-visit those same garages today perhaps. <ul style="list-style-type: none"> <li>○ <b>Status?</b></li> <li>○</li> </ul> </li> </ul>
<p><b><u>3. Action Item 3: (SWOT Analysis)</u></b>  3.1 Evaluate and discuss Strengths, Weaknesses, Opportunities and Threats associated with PT Parking Structures</p>	<p>3.1 Group discussion. <b>Maintain and update this analysis:</b></p> <ul style="list-style-type: none"> <li>• <b>Strengths:</b> durability, functionality, safety, adaptability of occupancy, aesthetics, openness, security, better lighting, more daylight, sustainable/green, lower maintenance, not bouncy, smooth riding surface, fewer joints, no exposed steel connectors/welding, no shear walls/frame action, improved serviceability, virtually crack free, flexibility in design, redundancy, adaptive reuse, improved drainage slopes, lower self-weight/smaller foundations/lower mass for seismic, tight site logistics/CBD, improved fire resistance, improved parking efficiency with 36' slab span, can shallow floor to floor height</li> <li>• <b>Weaknesses:</b> initial cost, construction schedule, weather constraints to construction schedule, not built in a controlled environment, more labor intensive, quality control, tower crane/site logistics/staging, laydown area, volume change effects, LDPs who prefer performance design PC solution</li> <li>• <b>Opportunities:</b> adaptive reuse, create different categories of garage type (Platinum, Gold, Silver, Bronze), ACI 320 (318-T),</li> </ul>

Agenda Item	Expected Outcome / Actions Taken
	<p>prepare standardized design tables/update the ones we previously created in DC-20 document. Dual banded research has had positive results thus far.</p> <ul style="list-style-type: none"> <li>• <b>Threats:</b> Further PC cost reduction to keep production lines going, ACI 319, long-term asset holder owners who only focus on first cost/schedule, precasters expanding into more building types based upon their successes, labor costs continuing to increase. Change in ACI 318-19 that affects CIP bumper walls and detailing of vertical rebar. Could be good or bad for costs.</li> </ul>
<p><b>4. Action Item 4: (Competitive Strategies)</b> 4.1 Strategies to improve CIP-PT in competition with other structural systems for parking</p>	<p>4.1 Form a Task Group to study effect of formwork standardization and design classes on cost of concrete structure. Examine different slab spans 18' to 30'. Perhaps also 36'. 3' intervals. Keep beams 60'. Different max tensile stress. 3 bay, 180'.</p> <ul style="list-style-type: none"> <li>• TG includes Asit, <b>Rafael (lead)</b>, Mike, Rashid, Katherine. Completion goal is pre-Miami Convention May 2020.</li> <li>• <b>Update from Task Group</b> <ul style="list-style-type: none"> <li>○</li> </ul> </li> </ul>
<p><b>5. Action Item 5: (Parking Structures Tech Note)</b> 5.1 Develop a Tech Note focused on durability advantages</p>	<p>5.1 Form a Task Group to work on this TN. Focused on durability of PT parking structures, aspects that decrease life cycle costs. Good starting point is durability chapter from the PT Manual. Waterproofing, concrete mix, design strategies e.g. drainage, stresses, etc. Recommended strategies.</p> <ul style="list-style-type: none"> <li>• TG includes <b>Rashid (lead)</b>, Martin M., Prakash, Jim D. Completion goal is pre-Miami Convention May 2020.</li> <li>• <b>Update from Task Group</b> <ul style="list-style-type: none"> <li>○ Discuss current draft of TN</li> <li>○</li> </ul> </li> <li>• Study the SLC Airport garage (28 years old) that is being torn down due to operational circumstances only. Test this garage and examine how it has held up after all that time. Evaluate condition after nearly 3 decades. Case study. Professor at Utah Valley University. Local SLC engineer designed in 1991.</li> <li>• <b>Update on this Study</b> <ul style="list-style-type: none"> <li>○ Jim D. update?</li> <li>○</li> </ul> </li> </ul>
<p><b>6. Action Item 6: (Update PTI Publication DC20.7-01)</b> 6.1 Form a Task Group to work with DC-20 to update DC20.7-01: Design, Construction and Maintenance</p>	<p>6.1 Discuss this collaborative effort with DC-20. Joint committee publication update. Set aside for now due to other first priorities of this committee.</p> <ul style="list-style-type: none"> <li>• <b>Currently on hold</b> as both committees have priorities in front of this publication update</li> </ul>

Agenda Item	Expected Outcome / Actions Taken
of CIP PT Concrete Parking Structures	<ul style="list-style-type: none"> <li>• Potentially create two separate documents.....one on Design and Construction and then a second on Maintenance. Other entities like ACI have split documents on this topic as well.</li> <li>• Maybe even incorporate barrier cable maintenance</li> </ul>
<b>D. <u>New Business</u></b> D.1	D.1
<b>E. <u>Next Meeting</u></b> 2021 PTI Convention, Weston Indianapolis, IN April 18-21, 2021  <b>Web Meetings:</b>	E.1
<b>F. <u>Adjourn</u></b>	Meeting adjourned at X:XX pm. ET

### AGENDA / MEETING EXHIBITS

Exhibit #	Subject
Roster / A.4	<del>Sign-In Sheet</del> / PTI Anti-Trust Policy
B.2	200529 DC-25 Minutes 05-29-20 Unapproved.pdf

At a meeting on October 8, 1980, the Board of Directors first discussed the Institute's status and policies regarding compliance with antitrust laws. After review of both the internal and external compliance procedures, the following resolution was approved:

*"The staff, officers, directors and members of the Post-Tensioning Institute are reminded that they are required to comply with the spirit and specific requirements of the antitrust laws on all activities within the scope of, and related to, the official functions of PTI. Further, this restated position, along with appropriate explanatory material, should be placed in all meeting folders/books periodically, beginning with the 8th of October meeting of PTI."*

On July 24, 2012 and again on October 7, 2015, the Executive Committee authorized Legal Counsel to review and update this Policy Statement in the perspective of the Department of Justice Business Review Letter of July 30, 1997 and current case law. As a continuing guide for your participation in PTI's meetings, please review and continue to adhere to the following "Legal Limitation on Discussions at PTI Meetings."

### LEGAL LIMITATION ON DISCUSSIONS AT PTI MEETINGS AND EVENTS

A free exchange of ideas on matters of mutual interest to the members is necessary for the success of all meetings. Indeed, such an exchange of views is essential to the successful operation of every trade association and the law specifically allows legitimate exchange of views pertaining to, e.g., quality control, safety, building design and construction integrity, etc.

It is not the purpose of this memorandum to discourage the exploration in depth of any matters of legitimate concern to meeting participants. Nevertheless, to ignore certain antitrust ground rules, either through ignorance or otherwise, is to create a civil and criminal hazard businessmen simply cannot afford.

It is for these reasons that PTI provides you with a reminder that certain areas of formal and informal communication between competitors or between manufacturers and their suppliers and customers must be avoided, as posing potential antitrust problems.

The Sherman Antitrust Act, the Clayton Act, the Federal Trade Commission Act, and the Robinson-Patman Act comprise the basic federal antitrust laws, which set forth the broad areas of conduct considered illegal as restraints of trade. In general, agreements or understandings between competitors that operate as an impediment to free and open competition are forbidden. Federal antitrust prohibitions forbid any "agreement or understanding...to substantially lessen competition or tend to create a monopoly in any line of commerce." An important point to keep in mind is that communications and discussions between competitors or between sellers and customers, about matters which may be considered anti-competitive, often comprise the evidence from which courts infer antitrust violations. ***It is the policy of the Post-Tensioning Institute that such agreements, understandings or communications shall not be tolerated at any formal or informal meetings or social events of the Institute.***

The general prohibitions contained in the federal antitrust laws, have been particularized in the form of a series of consent decrees, originally entered against a number of member companies of various trade associations and the associations themselves. It is important to note that these laws not only apply to PTI members, but also to PTI itself. Often trade associations have been and are presently co-defendants in cases brought by the Justice Department and the Federal Trade Commission ("FTC"). Recently, the FTC has stated: "*Because trade associations are by their nature collaborations among competitors, the Commission and courts have long been concerned with anti-competitive restraints imposed by such organizations under the guise of codes of conduct. Competing for customers, cutting prices, and recruiting employees are hallmarks of vigorous competition. Agreements among competitors not to engage in these activities injure consumers by increasing prices and reducing quality and choice.*" Similar "codes" or policies and requirements that encourage directly or indirectly members' unlawful activity are strictly forbidden by PTI in the course of its business with its members.

## **SPECIFIC EXAMPLES OF ACTIVITIES AND PRACTICES PROHIBITED**

### **AT ALL PTI MEETINGS AND EVENTS:**

Included in activities and practices which are forbidden, and are contrary to the policy of the Institute, both under the general antitrust laws and the consent decrees, subject to the said Business Review Letter, are the following:

- Agreeing to allocate markets, customers or suppliers among competitors, classify certain customers or suppliers being entitled to preferential treatment by manufacturers, and establish geographic trading areas.
- Participating in any plan designed to induce any manufacturer or distributor to sell or refrain from selling, or discriminate in favor of, or against any particular customer or class of customers.
- Agreeing in any manner to fix or otherwise establish bids, prices (including price increases, decreases, standardization or stabilization), profits, costs, contract terms affecting price (such as discounts and credit terms), etc. because, e.g. prices were too low, with the exception of certain resale pricing agreements between manufacturers and retailers or distributors.
- Agreeing in any manner to limit or restrict the quality of products to be produced (e.g., restrictions on selling coated strand to certain customers).
- Participating in any plan which has the effect of discriminating against, or excluding competitors, suppliers or customers.

These examples are provided to guide you in your discussions during formal and informal PTI meetings and social events. If the occasion arises, more specific advice will be provided by legal counsel, who is required by Article IV, Section 7 of the PTI By-Laws to be present at all meetings of the Board of Directors and the Executive Committee.



MINUTES

**DC-25: Parking Structures Committee**

Friday, May 29, 2020

12:00 p.m. - 2:00 p.m. (CT)

Virtual Meeting via GoToMeeting

**Voting Members Present (6 of 8)**

Rashid Ahmed - Chair  
Walker Consultants

James Donnelly  
Wiss Janney Elstner Associates,  
Inc.

Liao Haixue  
Vector Corrosion Technologies

Tim Christle  
Post-Tensioning Institute  
Representative

Katherine Farley  
Kline Engineering and Consulting  
LLC

Michael Pedraza  
United Forming

Asit Baxi – TAB Contact, V  
Baxi Engineering Inc.

Prakash Surali  
BASF Corporation

Rafael Machado  
Ellinwood Machado, LLC

**Visitors**

Martin Maingot  
SCA Engineers



**ACTION ITEMS FROM LAST / THIS MEETING**

Item #	Subject	Action	Responsible	Deadline / Completed
1.1	Mission Statement	Communicate committee’s revised mission statement to TAB	PTI Staff	Complete
2.1	Marketing for PT Parking Structures	Identify target audiences and sources of information  Action plan for resurrecting 1992 brochure and revisiting some of those decks today	All  All	Ongoing  Ongoing
3.1	SWOT Analysis	Maintain and update this analysis as a template to keep our focus	All	Ongoing
4.1.4	Formwork standardization and design classes cost analysis	Examine cost implications of different spans, member sizes and tensile stress limits	Task Group led by Rafael	Ongoing
5.1	Parking Structures Technical Note	Develop a TN focused on durability and decreased life cycle costs. Consider study of SLC Airport parking deck	Task Group led by Rashid	Ongoing
6.1	Update PTI Publication DC20.7-01	Form a Task Group as a joint effort between DC-25 and DC-20 to update this publication	Rashid, Carol H., PTI Staff	On Hold

Agenda Item	Expected Outcome / Actions Taken
<b>A. <u>General</u></b> A.1 Call to Order A.2 Introductions A.3 Committee Roster / Changes A.4 PTI Antitrust Policy	A.1 A.2 A.3 This committee needs to add a PT supplier representative A.4 Policy reminder included with agenda
<b>B. <u>Agenda</u></b> B.1 Approval of Agenda B.2 Approval of Minutes from 10/2/19 (Meeting ballot required)	B.1 B.2 Vote on approval of Minutes from 10/2/19 Santa Fe meeting Motion/Second: <b>Michael/Rashid</b> Result: <b>5-0-0 (Y-N-A)</b>

Agenda Item	Expected Outcome / Actions Taken
<p><b><u>C. Actions Taken Between Meetings</u></b>  C.1 Letter Ballots  C.2 Web Meetings</p>	<p>C.1 None.  C.2 None.</p>
<p><b><u>1. Action Item 1: (Mission Statement)</u></b>  1.1. Review and update Mission Statement</p>	<p>1.1 Mission Statement “Develop and communicate information on the design, construction and advantages of post-tensioned parking structures” was communicated to TAB. Close this action item.</p>
<p><b><u>2. Action Item 2: (Marketing for PT Parking Structures)</u></b>  2.1 Develop material for the Marketing Committee’s use in promoting PT Parking Structures</p>	<p>2.1 How can we help the Marketing Committee put together marketing materials for successful garages?</p> <ul style="list-style-type: none"> <li>• Identify target audiences and publications/trade magazines/sources of information. Need to know that before creating the marketing piece. <b>Status?</b> <ul style="list-style-type: none"> <li>○ Michael seeing some D/B contractors moving some owners over from PC to PT. Potential target could be these types of D/B GCs.</li> <li>○ Owners building for themselves. Asset holders. Higher Ed, Airport, Hospital, Municipal.</li> </ul> </li> <li>• Action plan for re-release CIP parking structures brochure issued in early 90s. (1992 PTI/CRSI/NRMCA “Cast-in-Place Concrete Parking Structures”). Re-visit those same garages today perhaps. <b>Status of Action Plan?</b> <ul style="list-style-type: none"> <li>○ June 4 there will be an initial web meeting between PTI/CRSI/NRMCA to see how organizations can work together to resurrect this document. This came about outside of DC-25 by coincidence.</li> <li>○ Tim to send Rashid info on June 4 call.</li> </ul> </li> </ul>
<p><b><u>3. Action Item 3: (SWOT Analysis)</u></b>  3.1 Evaluate and discuss Strengths, Weaknesses, Opportunities and Threats associated with PT Parking Structures</p>	<p>3.1 Group discussion. <b>Maintain and update this analysis:</b></p> <ul style="list-style-type: none"> <li>• <b>Strengths:</b> durability, functionality, safety, adaptability of occupancy, aesthetics, openness, security, better lighting, more daylight, sustainable/green, lower maintenance, not bouncy, smooth riding surface, fewer joints, no exposed steel connectors/welding, no shear walls/frame action, improved serviceability, virtually crack free, flexibility in design, redundancy, adaptive reuse, improved drainage slopes, lower self-weight/smaller foundations/lower mass for seismic, tight site logistics/CBD, improved fire resistance, improved parking efficiency with 36’ slab span, can shallow floor to floor height</li> <li>• <b>Weaknesses:</b> initial cost, construction schedule, weather constraints to construction schedule, not built in a controlled</li> </ul>

Agenda Item	Expected Outcome / Actions Taken
	<p>environment, more labor intensive, quality control, tower crane/site logistics/staging, laydown area, volume change effects, LDPs who prefer performance design PC solution</p> <ul style="list-style-type: none"> <li>• <b>Opportunities:</b> adaptive reuse, create different categories of garage type (Platinum, Gold, Silver, Bronze), ACI 320 (318-T), prepare standardized design tables/update the ones we previously created in DC-20 document. <b>Dual banded research has had positive results thus far.</b></li> <li>• <b>Threats:</b> Further PC cost reduction to keep production lines going, ACI 319, long-term asset holder owners who only focus on first cost/schedule, precasters expanding into more building types based upon their successes, labor costs continuing to increase. <b>Change in ACI 318-19 that affects CIP bumper walls and detailing of vertical rebar. Could be good or bad for costs.</b></li> </ul>
<p><b>4. Action Item 4: (Competitive Strategies)</b> 4.1 Strategies to improve CIP-PT in competition with other structural systems for parking</p>	<p>4.1 Form a Task Group to study effect of formwork standardization and design classes on cost of concrete structure. Examine different slab spans 18' to 30'. Perhaps also 36'. 3' intervals. Keep beams 60'. Different max tensile stress. 3 bay, 180'.</p> <ul style="list-style-type: none"> <li>• TG includes Asit, <b>Rafael (lead)</b>, Mike, Rashid, Katherine. Completion goal is pre-Miami Convention May 2020.</li> <li>• <b>Update from Task Group</b> <ul style="list-style-type: none"> <li>○ No update from Rafael yet</li> <li>○ Maybe Katherine can kick start a few things and coordinate them with Asit and Mike. Setup TG web meeting for June.</li> <li>○ Maybe reach out to Cary K. for some info from other similar studies</li> </ul> </li> </ul>
<p><b>5. Action Item 5: (Parking Structures Tech Note)</b> 5.1 Develop a Tech Note focused on durability advantages</p>	<p>5.1 Form a Task Group to work on this TN. Focused on durability of PT parking structures, aspects that decrease life cycle costs. Good starting point is durability chapter from the PT Manual. Waterproofing, concrete mix, design strategies e.g. drainage, stresses, etc. Recommended strategies.</p> <ul style="list-style-type: none"> <li>• TG includes <b>Rashid (lead)</b>, Martin M., Prakash, Jim D. Completion goal is pre-Miami Convention May 2020.</li> <li>• <b>Update from Task Group</b> <ul style="list-style-type: none"> <li>○ Rashid developed a draft TN for review by the TG.</li> <li>○ Distributed to TG on 5/29/20 for review.</li> <li>○ Maybe adapt TN to incorporate different durability zones I, II and III.</li> <li>○ Setup TG web meeting to discuss the draft. Pick date in mid to late June.</li> </ul> </li> </ul>

Agenda Item	Expected Outcome / Actions Taken
	<ul style="list-style-type: none"> <li>• Study the SLC Airport garage (28 years old) that is being torn down due to operational circumstances only. Test this garage and examine how it has held up after all that time. Evaluate condition after nearly 3 decades. Case study. Professor at Utah Valley University. Local SLC engineer designed in 1991.</li> <li>• Update on this Study <ul style="list-style-type: none"> <li>○ Jim D. will follow up on this to check status.</li> </ul> </li> </ul>
<b>6. <u>Action Item 6: (Update PTI Publication DC20.7-01)</u></b> 6.1 Form a Task Group to work with DC-20 to update DC20.7-01: Design, Construction and Maintenance of CIP PT Concrete Parking Structures	6.1 Discuss this collaborative effort with DC-20. Joint committee publication update. Set aside for now due to other first priorities of this committee. <ul style="list-style-type: none"> <li>• Currently on hold as both committees have priorities in front of this publication update</li> <li>• Potentially create two separate documents.....one on Design and Construction and then a second on Maintenance. Other entities like ACI have split documents on this topic as well.</li> <li>• Maybe even incorporate barrier cable maintenance</li> </ul>
<b>D. <u>New Business</u></b> D.1	D.1 None
<b>E. <u>Next Meeting</u></b> 2020 PTI Convention – Miami, FL—September 27-30, 2020 Web Meetings:	Web meetings in June for each TG to work on their action items.
<b>F. <u>Adjourn</u></b>	Meeting adjourned at 1:25 pm. CT

**AGENDA / MEETING EXHIBITS**

Exhibit #	Subject
Roster / A.4	Sign-In Sheet / PTI Anti-Trust Policy

At a meeting on October 8, 1980, the Board of Directors first discussed the Institute's status and policies regarding compliance with antitrust laws. After review of both the internal and external compliance procedures, the following resolution was approved:

*"The staff, officers, directors and members of the Post-Tensioning Institute are reminded that they are required to comply with the spirit and specific requirements of the antitrust laws on all activities within the scope of, and related to, the official functions of PTI. Further, this restated position, along with appropriate explanatory material, should be placed in all meeting folders/books periodically, beginning with the 8th of October meeting of PTI."*

On July 24, 2012 and again on October 7, 2015, the Executive Committee authorized Legal Counsel to review and update this Policy Statement in the perspective of the Department of Justice Business Review Letter of July 30, 1997 and current case law. As a continuing guide for your participation in PTI's meetings, please review and continue to adhere to the following "Legal Limitation on Discussions at PTI Meetings."

### LEGAL LIMITATION ON DISCUSSIONS AT PTI MEETINGS AND EVENTS

A free exchange of ideas on matters of mutual interest to the members is necessary for the success of all meetings. Indeed, such an exchange of views is essential to the successful operation of every trade association and the law specifically allows legitimate exchange of views pertaining to, e.g., quality control, safety, building design and construction integrity, etc.

It is not the purpose of this memorandum to discourage the exploration in depth of any matters of legitimate concern to meeting participants. Nevertheless, to ignore certain antitrust ground rules, either through ignorance or otherwise, is to create a civil and criminal hazard businessmen simply cannot afford.

It is for these reasons that PTI provides you with a reminder that certain areas of formal and informal communication between competitors or between manufacturers and their suppliers and customers must be avoided, as posing potential antitrust problems.

The Sherman Antitrust Act, the Clayton Act, the Federal Trade Commission Act, and the Robinson-Patman Act comprise the basic federal antitrust laws, which set forth the broad areas of conduct considered illegal as restraints of trade. In general, agreements or understandings between competitors that operate as an impediment to free and open competition are forbidden. Federal antitrust prohibitions forbid any "agreement or understanding...to substantially lessen competition or tend to create a monopoly in any line of commerce." An important point to keep in mind is that communications and discussions between competitors or between sellers and customers, about matters which may be considered anti-competitive, often comprise the evidence from which courts infer antitrust violations. ***It is the policy of the Post-Tensioning Institute that such agreements, understandings or communications shall not be tolerated at any formal or informal meetings or social events of the Institute.***

The general prohibitions contained in the federal antitrust laws, have been particularized in the form of a series of consent decrees, originally entered against a number of member companies of various trade associations and the associations themselves. It is important to note that these laws not only apply to PTI members, but also to PTI itself. Often trade associations have been and are presently co-defendants in cases brought by the Justice Department and the Federal Trade Commission ("FTC"). Recently, the FTC has stated: *"Because trade associations are by their nature collaborations among competitors, the Commission and courts have long been concerned with anti-competitive restraints imposed by such organizations under the guise of codes of conduct. Competing for customers, cutting prices, and recruiting employees are hallmarks of vigorous competition. Agreements among competitors not to engage in these activities injure consumers by increasing prices and reducing quality and choice."* Similar "codes" or policies and requirements that encourage directly or indirectly members' unlawful activity are strictly forbidden by PTI in the course of its business with its members.

## **SPECIFIC EXAMPLES OF ACTIVITIES AND PRACTICES PROHIBITED**

### **AT ALL PTI MEETINGS AND EVENTS:**

Included in activities and practices which are forbidden, and are contrary to the policy of the Institute, both under the general antitrust laws and the consent decrees, subject to the said Business Review Letter, are the following:

- Agreeing to allocate markets, customers or suppliers among competitors, classify certain customers or suppliers being entitled to preferential treatment by manufacturers, and establish geographic trading areas.
- Participating in any plan designed to induce any manufacturer or distributor to sell or refrain from selling, or discriminate in favor of, or against any particular customer or class of customers.
- Agreeing in any manner to fix or otherwise establish bids, prices (including price increases, decreases, standardization or stabilization), profits, costs, contract terms affecting price (such as discounts and credit terms), etc. because, e.g. prices were too low, with the exception of certain resale pricing agreements between manufacturers and retailers or distributors.
- Agreeing in any manner to limit or restrict the quality of products to be produced (e.g., restrictions on selling coated strand to certain customers).
- Participating in any plan which has the effect of discriminating against, or excluding competitors, suppliers or customers.

These examples are provided to guide you in your discussions during formal and informal PTI meetings and social events. If the occasion arises, more specific advice will be provided by legal counsel, who is required by Article IV, Section 7 of the PTI By-Laws to be present at all meetings of the Board of Directors and the Executive Committee.