

PUBLIC WORKS STANDARDS, INC. – GREENBOOK COMMITTEE

MEETING MINUTES

October 18, 2018

Presiding: Erik Updyke, APWA Co-Chair

1. **Called to Order:** 9:34 a.m.
2. **Self-Introduction:**

Voting Members & Alternates		
1	Avazian, Armen ^T	City of Glendale
2	Bustamante, Ramesis ^T	City of San Diego
3	Fahey, Keegan ^{**}	LA County DPW (Proxy to McCarter, Colin)
4	Gasaway, Dave (Edgar) ^T	San Diego County Public Works
5	Gilley, Curt ^T	Terrain Engineering Inc.
6	Grindle, Lance	LA County DPW
7	Kubasek, Chris	Orange County Public Works
8	Macfarlane, Randall	City of Los Angeles BCA
9	Massabki, Raffi	City of Los Angeles BOE
10	Peterson, Dan ^T	DJP Co.
11	Phelps, Daniel J. ^T	Gill & Baldwin, P.C.
12	Tsau, Allison ^T	LADWP
13	Vivant, Don ^T	Sully-Miller Contracting Corp.
14	Yanez, David ^T	Metropolitan Water District

Other Participants		
1	Bandziulis, Ruta ^T	Tencate Geosynthetics
2	McCarter, Colin	LA County DPW
3	Rajswing, Aidan	Thompson Pipe Group
4	Updyke, Erik	Member at Large
5	Woolsey, Rory ^T	BNI Building News

(^{**} denotes Member with proxy, ^T denotes attendance via Teleconference)

3. **Establish a Quorum:**

Self-introductions were made, and a quorum was established at the beginning of the meeting with 14 voting members present.

4. Approval of Minutes from previous Meetings:

A vote to approve the minutes of September 20, 2018 Greenbook Committee meetings was unanimously approved; Motion to approve by Lance Grindle; Seconded by Raffi Massabki.

5. Correspondence: None

10/18/18 Proxy to Colin McCarter for Keegan Fahey.

6. Old Business:

- a. Supplement Changes: None
- b. Other Old Business: None

7. New Business:

a) Co-Chairman's Report:

- The November 14th, 2018 APWA Southern California Chapter [Greenbook Seminar](#) in Anaheim sold out.
- The ASCE will host a [Greenbook Seminar](#) November 29th, 2018 in San Diego.

b) Secretary's Report: No report.

c) Vice Chair Communication Report: No report.

Attached is Change Submittal Log dated 10/16/2018 (Next Change No. >> **298**)

d) Vice Chair Editorial Report: *Keegan Fahey*.

Met on 09/19/18, Part I edits for definition changes and upgrades ongoing.

e) Surface Materials and Methods Subcommittee Report: *Chris Kubasek*,

A meeting was held October 18th (*next meeting Nov. 13, 2018*)

- 1) Projected to forward final Geotextiles and Geogrids change recommendations to Editorial by January 2019.
- 2) Geosynthetics Task Force to start early 2019.
- 3) 272 SM "Stone for RipRap" - Finalizing gradation table and notes.
- 4) 286 SM (Supplemental Cementitious Materials) - Discussed final edits.

f) Underground Materials and Methods Subcommittee Report: *Curt Gilley*.

A meeting was held October 18th (*next meeting Nov. 13, 2018*)

- 1) work on Part V Pipeline System Rehabilitation restructuring and updating will start after the MH installation specification review is complete and changes moved to Editorial (projected January 2019).

g) Standard Plans Subcommittee Report: No report.

(*next meeting November 1st, 2018*)

h) General Provisions Subcommittee Report: *Daniel Phelps, No Report*.

(*Subcommittee meeting will resume next month Nov. 14th, 2018.*)

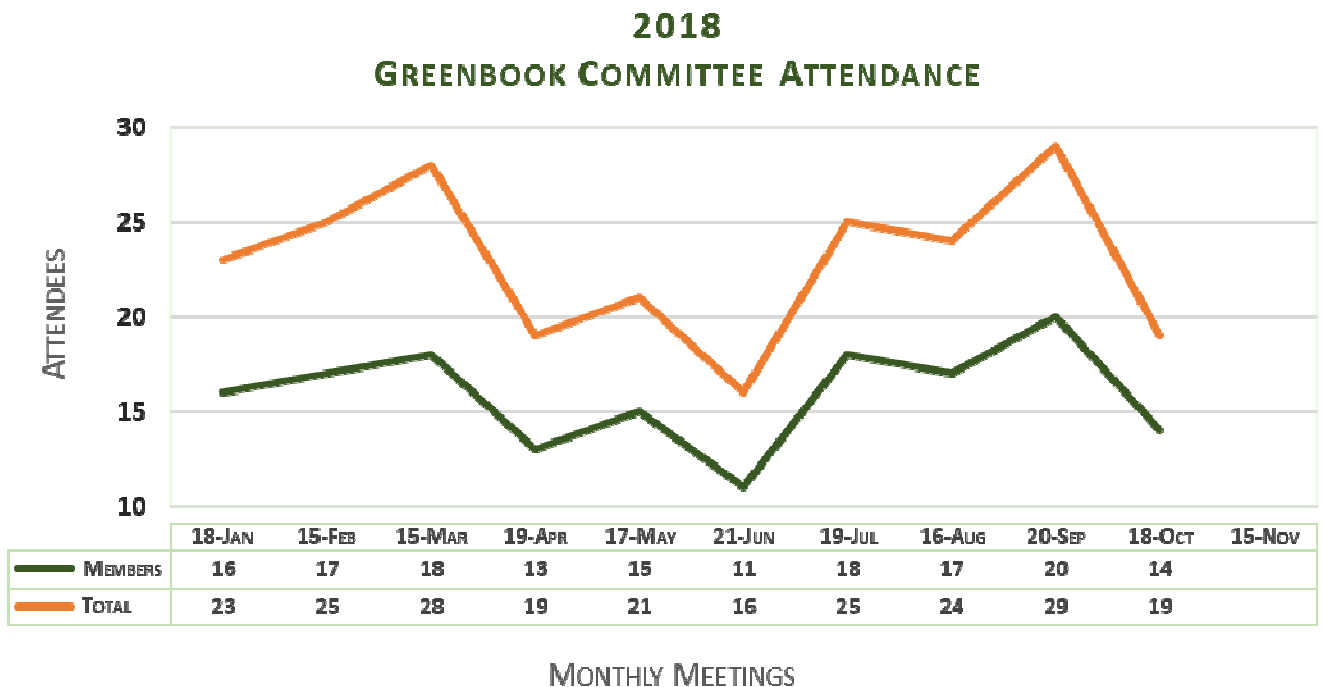
- i. Special Provisions Guide Subcommittee Report: No report.
- j. Editorial Standards Subcommittee Report: *Erik Updyke*.
 A meeting was held September 19th, 2018 (*next meeting Oct. 17th, 2018*)
 - 1) Revised notes on STD Plans Part 6 (Change 296 SP). Notes compiled and forwarded to the Standard Plans Subcommittee for analysis.
 - 2) Time is of the essence in completing the Standard Plans.
 - 3) Attached is the Errata to the 2018 Greenbook.
- k. Other New Business: (None)

8. **General Discussion**: None

9. **Next Meeting**: January 17, 2018

10. **Adjourned**: 9:46 a.m.

Submitted by: Raffi Massabki, Secretary
 City of Los Angeles, Dept. of Public Works
 Bureau of Engineering, Design Standards & Investigations
 1149 S. Broadway, Suite 635 Los Angeles, CA 90015
Raffi.Massabki@Lacity.org (213) 485-5310



Members

The Greenbook Committee of Public Works Standards, Inc.

Publications



Standard Specifications for Public Works Construction (Greenbook)



Associated General Contractors of California

Standard Plans for Public Works Construction



Engineering Contractors' Association



Southern California Contractors Association

PROXY

Name Keegan Fahay [print] Ryan A. [signature]

Representing [X] APWA [] AGC [] SCCA [] ECA

for [if APWA representative, indicate agency affiliation] Los Angeles County Dept. of Public Works

Pursuant to Article II.B.3 of the Operating Policies and Procedures of the Greenbook Committee of Public Works Standards, Inc., I hereby designate

Colin McCarter [Name]

to represent [X] APWA [] AGC [] SCCA [] ECA

for [if APWA representative, indicate agency affiliation] Los Angeles County Dept. of Public Works

to vote on my behalf at the Greenbook Committee meeting October 18, 2018 [date]

for all matters that come before the committee.

AGC Southern California Regional Office 1906 West Garvey Avenue South, Suite 100 West Covina, California 91760

Standard Specifications for Public Works Construction

2018 Edition

Errata No. 1 (October 18, 2018)

Page 41, 8-6:

Replace the second sentence with the following:

“If no Bid item is provided in the Proposal, payment shall be considered as included in the other Bid items.”

Page 86, Table 203-3.4.2:

Under the column for “Test Description”:

- Storage Stability: Delete the superscript “2”
- Demulsibility: Delete the superscript “3”
- Penetration of residue: Delete the superscript “4”

Page 88, Table 203-3.4.5 (A):

Replace note 4 with the following, “PME shall contain a minimum of 2.5 percent polymer by weight of residual asphalt.”

Page 89, Table 203-3.4.5 (B):

Replace “PMCOS-1h)” with “PMCQS-1h” in the table title.

Replace note 4 with the following, “PME shall contain a minimum of 2.5 percent polymer by weight of residual asphalt.”

Page 97, 203-6.3.2:

Insert “and grade” after “class” in the first sentence of the second paragraph.

Page 98, 203-6.3.2:

Replace “alternate” with “Type III” in the third paragraph.

Page 100, 203-6.5.4:

Replace “alternate” with “Type III” in the first sentence of the first paragraph.

Page 116, 203-13.10:

Replace “203-6.4.1” with “203-6.4.2” in the last sentence.

Page 316, 302-5.1:

Replace “type of mixture” with “mixture class and grade” in the last sentence.

Page 391, 306-5:

Replace “7-8.6.4” with “3-12.6.4” in the last sentence of the first paragraph.

Page 395, 306-7.3.2.1:

Replace “201-1.5” with “201-5” in the last sentence of the first paragraph.

Page 401, Table 306-7.7.3:

Replace “306-7.8.2” with “306-7.8.3” as the test standard reference for barrel deflection.

Delete “Joint Offset Tolerance” and “306-1.2.2.”

Replace “306-8.2” with “306-7.8.2.”

Page 402, 306-7.8.2.1:

Delete “f)” and “g).”

Page 408, 306-7.8.3.3:

Replace “2-5.3” with “3-8” in the first sentence.

Page 426, 306-8.9.6:

Replace “described” with “specified” in the second sentence of the fourth paragraph.

402-1.1:

Page 481, ~~402-1.2:~~

Replace “306-12” with “306-12.” in the second sentence of the last paragraph.

Page 486:

Replace “404.9” with “404-9.”

Replace “404-11 PAYMENT” with “404-12 PAYMENT.”

Page 505, 500-5.10.3, a) General:

Replace “may” with “shall” in the second sentence.

Page 513, 500-7.1:

Delete the last sentence.

Page 515, 501-1:

Replace “(HC)” with “house connection at the end of the first sentence of the second paragraph.

Delete the second sentence of the second paragraph.

Page 525, 601-1:

Insert “maintenance” before “work” in the first sentence of the first paragraph.

Page 526, 601-2.1:

~~Page 525, 601-2:~~

Insert “prepare and” before “submit” in the first paragraph.

Page 528, 601-3.6.5:

Add “and End Treatments” to the subsection heading.

PUBLIC WORKS STANDARDS, INC. - GREENBOOK COMMITTEE
CHANGE SUBMITTAL LOG
LATEST REVISION:10-16-2018

NO.	SECTION	DATE REC'D	SUBJECT	SUBMITTED BY	SUBCOMMITTEE ACTION			EDITORIAL STANDARDS REVIEW		JOINT COMMITTEE ACTION			
					ASSIGNED TO	ACTION		DATE	DATE SUBMITTED	DATE RETURNED	ACTION		DATE EDITION
						A	R				A	R	
164NS	301-3	11/17/05	Portland Cement Treated Mixtures	Jeffrey Wykoff Cemex	NM&M-S	X		3/4/14	3/12/14	6/19/14	X		7/17/14 2015
175NS	215 & 313	10/19/06	Work Area Traffic Control Installation	Jerry Ellison	NM&M-S Specs	X		3/13/07 4/14/10	4/15/10	7/15/15	X		8/20/15 2016
200GP	ALL	2/19/09	Proprietary Products Footnote	Dan Peterson	MAIN	X					X		3/19/09 2012
217NS	300-4.4	2/18/10	Benching	City of San Diego	NM&M-S	X		2/18/14	2/19/14	4/30/14	X		6/19/14 2015
223NU	306	6/29/10	306 Update	Curt Gilley	NM&M-U			7/15/14	7/16/14	9/17/14	X		10/16/14 2015
225NS	301-4	9/16/10	Lime Stabilized Base	Jim O'Kane	NM&M-S			10/13/15	10/13/15	10/14/15			
235NS	201-2	8/18/11	Fiber Reinforced Concrete	Malcolm Smith Bekaert	NM&M-S	X		3/18/14	3/20/14	4/30/14			6/19/14 2015
236GP	500-1.1.5	8/18/11	Revise CCTV	Tim Regello City of Vista	Specs								
239GP	5-1	10/20/11	Gov Code Update	Nelson Nelson	Specs	X		5/16/12	6/20/12	1/15/14	X		3/20/14 2015
241NU	308-5.6.2	11/17/11	Pressure Testing	Dan Peterson	NM&M-U				9/18/13		X		10/17/13 2014

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						A	R				A	R	
242NU	Various-207, 208 &306	1/19/12	Water Pipeline Construction	Dennis Phinney Psomas	NM&M-U	X		5/13/14	7/15/14	7/16/14	X		8/21/14 2015
244NS	201-1.6, 303-8	10/18/12	Pervious Concrete	Concrete Ad Hoc Group	NM&M-S	X		5/13/14	5/13/14	5/14/14	X		6/19/14 2015
245GP	2-5.3	10/18/12	Installation Instructions	Dennis Phinney Psomas	Specs	X		11/14/12	11/15/12	4/17/13			7/18/13 2014
246NS			Alkali-Silica reactions testing	Concrete Ad Hoc Group									
247GP	4-1.9	3/21/13	Const. Materials Dispute Resolution	Specs Subcomm.	Specs	X		3/20/13	4/17/13	5/15/13	X		8/15/13 2014
248GP	9-1	3/21/13	Measurement & Payment	Specs Subcomm.	Specs	X		9/17/14	9/18/14				
249NS	203-6		Asphalt Concrete	Asphalt Task Force	NM&M-S	X		5/13/14	5/13/14	6/18/14	X		7/17/14 2015
250NS	212	3/13/13	Landscape and irrigation materials	Nabil Batta City of San Diego	NM&M-S		X	7/17/13					
251NS	308	3/13/13	Landscape and irrigation installation	Nabil Batta City of San Diego	NM&M-S		X	7/17/13					
252NS	200-1	5/13/13	Rock Products add ASTM test method	Ken Sears	NM&M-U Conc AD HOC	X		6/18/13	6/18/13	6/19/13		X	7/18/13 2014

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						A	R				A	R	
253NS	203-1.2(A) 203-1.4(A) 203-1.6(A)	7/11/13	Add PG-M spec to tables	Jon Schauble City of Carlsbad	NM&M S	X		10/13/15	10/13/15	10/14/15	X		1/20/16 2016
254S	2-7	7/18/13	Modify verbiage re: groundwater elevation	Nelson Nelson City of Corona	Specs	X		7/17/13	9/16/14	7/15/15	X		8/20/15 2016
255S	4-1.6	7/18/13	Restate "adequate time" in section	Nelson Nelson City of Corona	Specs	X		7/17/13	9/16/14	2/18/15	X		8/20/15 2016
256S	5-5, 6-6	8/15/13	Editorial Changes to Sections	Nelson Nelson City of Corona	Specs			8/14/13	9/16/14	9/16/15	X		10/15/15 2016
257NS	200-1, 203-12	11/19/13	Revise screenings gradations, other editorial	Erik Updyke Los Angeles County	NMS	X		5/13/14	5/13/14	5/14/14	X		6/19/14 2015
258ES	209, 307		Move to Part 7, "Street Lighting and Traffic Signal Systems"	Editorial Standards	ESS	X		1/15/13	1/15/13	2/19/14	X		4/16/14 2015
259ES	212, 308		Move to Part 8, "Landscaping and Irrigation"	Editorial Standards	ESS	X		11/20/13	9/18/13	11/20/13	X		1/16/14 2015
260ES	306-2, 306-3		Move to 307, "Jacking and Tunneling"	Editorial Standards, NMU	ESS	X		11/20/13	11/20/13	11/20/13	X		3/20/14 2015
261ES	306-8		Move to 308, "Microtunneling"	Editorial Standards, NMU	ESS	X		11/20/13	9/18/13	11/20/13	X		1/16/14 2015

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262NS	300-1		Removal of Existing Improvements	NMS, 300-1 Task Force	NM&MS					9/16/15	X		10/15/15 2016
263NS	302-2	11/19/13	Chip Seal Revisions	Erik Updyke Los Angeles County	NM&MS	X		5/13/14	5/13/14	6/18/14		X	7/17/14 2015
264ES	7-10.2		Move to Part 6, "Temporary Traffic Control"	Editorial Standards	ESS	X		4/30/14	11/20/13	4/30/14	X		6/19/14 2015
265S	7-2	9/19/13	Labor	Nelson Nelson	Specs	X		9/18/13	9/16/14	7/15/15	X		9/17/15 2016
266NU	203-3		Polypropylene Pipe	San Diego County	NM&MU	X		2/17/14		8/15/15	X		9/17/15 2016
267S	203-3	11/19/13	Add polymer modified emulsion	Erik Updyke Los Angeles County	NM&MS	X		3/14/17	3/14/17	3/15/17	X		5/18/17 2018
268NS	204-2	4/17/14	Treatment with preservatives	Erik Updyke Los Angeles County	NM&MS	X		5/13/14	5/13/14	5/14/14	X		6/19/14 2015
269NS	Various	9/9/13	Changes to terms 'Cement' and 'Portland Cement'	Ken Sears Portland Cement Assoc.	NM&MS	X		4/18/14	6/21/14	10/15/14	X		11/20/14 2015
270NS	201-1	6/13/14	Shrinkage compensating cement	Concrete Ad Hoc Group	NM&MS								
271NS	304-2.2	6/23/14	Flexible Metal Guard Rail	New Materials and Methods	NM&MS	X		6/17/14	6/23/14	8/20/14	X		9/18/14 2015

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272NS	300-11	7/17/14	RIP RAP	New Materials and Methods	NM&MS								
273P	SP 100-2, 600-4	8/13/15	Provide additional details to subject plans	Temo Galvez	Standard Plans	X		8/7/15					
274NS	500-3	5/15/15	Annular space grouting		NM&M								
275U	300-1, 300-11	6/25/15	Reinforced Concrete Box	NMU	NM&M	X		5/18/17	5/18/17	6/14/17	X	7/20/17 2018	
276NS	400	7/13/15	Delete Part 4	Conc Ad Hoc	NM&M	X		8/18/15	8/19/15	8/19/15	X	9/17/15 2016	
277G	Part 1	10/14/15	Update Part 1	Gp/ess	GP	X		6/17/17	6/17/17	8/16/17	X	9/21/17 2018	
278U	207-20	6/16/16	FRPM Pipe Tolerance	LACSD	UMM	X		11/15/17	11/16/17	11/16/17	X	1/19/17 2018	
279S	302-3	4/16/15	Microsurfacing	Asphalt task force	SMM	X		3/14/17	3/14/17	3/15/17	X	5/18/17 2018	
280S	202	8/8/16	Mortar Cement	Conc Ad HOC	MMS					7/19/17	X	8/17/17 2018	
281E	Part 4	3/17/16	Create new Part 4, "Existing Improvements"	Editorial Standards	ESS/SM M	X		3/14/17	3/14/17	6/14/17	X	7/20/17 2018	
282S	302-5	12/1/16	Update cold milling, add micromilling	Erik Updyke, Los Angeles County	SMM					7/19/17	X	8/17/17 2018	
283U	217	8/3/15	Edit and revise 217	Underground M & M	UMM	X		6/13/17	6/14/17	6/14/17	X	7/20/17 2018	
284U	Part 5		Revise, update, and edit Part 5	Underground M & M	UMM					7/19/17	X	8/17/17 2018	

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						A	R				A	R	
285SM	200	11/10/16	Add permeable aggregate gradations	Concrete Ad Hoc	SMM								
286SM	201-1.2.5.4	11/10/16	Update requirements for Special Exposure	Concrete Ad Hoc	SMM								
287SM	203-16, 301-7		Add Engineered Emulsion – Stabilized Pulverized Base	Stabilized Base Task Force	SMM			On hold pending Agency trials/usage					
288SP	100-2	11/29/16	Abbreviations, lines, and symbols	Alex Salazar Fountain Valley	Standard Plans								
289UM	215	02/23/17	manholes	Curt Gilley	UMM					X		7/20/17 2018	
290UM	306-2,3	3/14/17	Jacking/tunneling	Curt Gilley	UMM	X		6/13/17	6/14/17	6/14/17			
291SP	SP Part 1	12/5/17	Standard Plans Part 1		Standard Plans								
292SP	SP Part 2	12/5/17	Standard Plans Part 2		Standard Plans								
293SP	SP Part 3	12/5/17	Standard Plans Part 3		Standard Plans								
294SP	SP Part 4	12/5/17	Standard Plans Part 4		Standard Plans								
295SP	SP Part 5	12/5/17	Standard Plans Part 5		Standard Plans								
296SP	SP Part 6	12/5/17	Standard Plans Part 6		Standard Plans								
297SP	134-2	12/5/17	Concrete Pavement Joint Details	Alex Salazar									

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						A	R				A	R	
298													
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