

UNDERGROUND MATERIALS AND METHODS
SUBCOMMITTEE MINUTES

May 19, 2020 – Meeting was held exclusively ONLINE
1906 West Garvey Ave
West Covina, CA 91790

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- * Denotes remote attendance via WebEx or Teleconference
- ** Committee Chair

I. **Announcements:**

Task Forces need to get their sections completed or there will be no new Greenbook!

II. Task Force Leaders and Members NEED to attend the Underground Materials and Methods Subcommittee Meetings!

III. New Business: CM: slip lining group as of this day has not formally met, however JJ has given extensive comments. JJ, Sancon and Danby can review the spec and get the correct section to Danby for their comment. GN: let's get it started! DB wants to revise the Machine Wound section. PK: external wraps group fairly quiet, sent drafts two weeks ago, waiting on response. So far PK says no one has objected so spec may just be an update and not a re write. GN to PK call your people and the people involved and make sure the correspondence is memorialized. So WE ensure that all those contacted had the opportunity to respond. GN: asking about thermoset group, EA: no movement, I tried to split this up with KW, needs effort to get this thing going. I will contact people directly, so far no movement, GN: I will help get this going. GN To task force leaders DO NOT WAIT MONTHLY TO have meetings! GN: UV update? DF: everyone is working on this, sampling, collections, limits on liner thickness, ASTM modifications, and we are meeting every week. DB: thermo plastic consolidate standards for Greenbook in the section we have been assigned. JVH: what is the timeline for completion of this JL: 19 may 2020. DB: back to update, GN: Drafts done by May, that way Editorial and Committee can get it done and printed. DB: wanted old chapters to new chapters comparison – JL, GN suggested it be done OFFLINE – it was finally agreed on to be done later and tie up committee time. GN: concrete spec has some subjective language going to recommend a revamp and not a re do. EA: 210-2 HDPE CG: steps in manholes, non mandatory – need clarification , GN: meet weekly and CG: I will bring this up on Thursday at that meeting and it will be messy.

IV. Old Business:

Revision of Section 500

Task Forces are as follows:

CIPP Thermoset

UV CIPP

External Wrap

Slip Lining

Spiral Wound

Pull in Place

284 NU – new section HDPE fused pipe – need to create this new section.

EA: CIPP task for update: reformatted to new outline and has been completed, used some ideas from the UV task force, in the final clean up. It has been shared with interested parties.

CG: COLA needs to submit their change for the UV , need to follow this proper procedure.

EA: big effort to fix part 5, CG: get the change number for UV and move it to the front of the line, handle the change as a separate item.

KW: Uv CIPP JL mentioned some stylistic changes so we will change those, one or two items to change and the uv spec is pretty much done.

JL: motion to move to a 30 day hold changes to style, distribute to group w/ meeting by Thursday.

RH: second

Majority: Aye –See ACTION ITEM

BD: merged old spec into new spec, made some changes to area without verbiage, 7.2, 7.3 emailed new revisions to task force.

PK/AH: Segmented pipe wrap: have received edits and comments, it is ready to go, the industry has been quiet on this. GN to PK: is it ready to go> PK: yes,

JL: motion to move external segmented wraps to 30 day hold

PK: second

Majority – Aye

GN: Spiral wound - draft presented was out dated, needs to be revised,

JJ: two products are not alike, need separate specs in the section one for sekisui and one for danby,

JL: keep the type I type II

JJ drive the spec by design

Discussion went on between DB, JJ, JJ will review

The task force for spiral wound has agreed to meet twice a week until the specs are completed there will be two specs.

GN: 302NU - 30 day, 306UM – submitted for review

IV New Business

ACTION ITEM: June vote to adopt and accept the UV CIPP spec as submitted.

ACTION ITEM: Per our sub-committee meeting earlier today, this e-mail serves as my request to have the original revision of section 210-2 (Plastic Liners) be amended to also include section 311-1 (Plastic Liner Installation). These two sections reference one another and our task force would present a revised document for consideration into the 2021 Greenbook edition.

Thank you!

Dickie Fernández, P.E., BCEE

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Greenbook Underground Subcommittee,

I'm circulating proposed changes to Greenbook 306-UM (with AASHTO R73 reference), and 307-UM.

Also attached are drafts to Part 5 (7.1.1; 7.4.1; 7.4.2; 7.4.3), these drafts are currently in-progress; contact the task force leaders for questions.

I hope you get a chance to review the documents so we can have a productive June meeting and progress forward with improvements to the next Greenbook edition. Feel free to contact me for questions, need to be connected to a task force leader, or industry representative.

Change Numbers:

- 306 UM – Revise Concrete Pipe Rejection Criteria
- 307 UM – Pipe Liners

Attachments:

- 207-2 RCP_v05_20_20
 - AASHTO R73-16 - (Greenbook Reference Only)
- 210_2 Combined PVC_HDPE_PP_v04_02_2020
- Part 5
 - 500-7.1.1_CIPP_GB2021_v051920-1
 - DMS-#5703018-v2-DRAFT 500-7_4_1 FRPM Liner Pipe 20Apr20
 - DMS-#5702825-v2-DRAFT 500-7_4_2 High Density Polyethylene (HDPE) Profile Wall 20Apr20
 - DMS-#5702935-v1-DRAFT 500-7_4_3 Polyvinyl Chloride (PVC) Closed Profile 20Apr20

As reminder the following Part 5 Task Forces are currently working in progress:

Old	New	Section	Task Force Leader
5.5	7.1.1	Cured-in-Place Pipe (CIPP) Liners, Heat Cured	Ed Arrington
5.10	7.2.1	Folded and Reformed Pipe Liners	Bryce Ducharm
5.4	7.3.1	Fusible Solid-Wall Pipe Slipliners, Annulus Grouting	Bryce Ducharm
5.8, 5.11, 5.12	7.4.1, 7.4.2, 7.4.3	Segmented Pipe Slipliners, Annulus Grouting	Anthony Howard & Philip Kang
5.6, 5.13	7.5.1, 7.5.2	Spiral-Wound Slipliners, Structural Annulus Grouting	Colin McCarter

Thanks,

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V. LINK FOR Greenbook Section 500 updates, files and information – please keep this link available for your information, use and records.

https://ktiinc-my.sharepoint.com/:f/g/personal/bducharm_thompsonpipegroup_com/ErnR-1KTUddNmYDDk470G9wBOM63gnJoSkVzcnYENKIUCw?e=KQJZdx

Adjourned: 1:11

A. Next meeting: June 16, 2020

B. Via ONLINE only!

Jamie L. Lienberger - Secretary

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