

COMPRESSIVE STRENGTH TEST REPORT

Client: City of Laredo **Report No.:** 57208 (7 day break)
Project: Tennis Complex at TAMIU **Technician:** A. Ortiz
Cast Date: February 8, 2022 **Set of:** 1 of 5
Location: Pavement Section - 61'S 5'W from the NEC of Court 8

SAMPLE NUMBER	DATE	AGE (DAYS)	LOAD (LBS.)	AREA (SQ.IN.)	STRENGTH (PSI)	% OF DESIGN	FRACTURE TYPE
78 A	02-11-22	3	37690	12.56	3000	100 %	Columnar (3)
78 B	02-15-22	7	45770	12.56	3640	121 %	Cone (1)
78 C	03-08-22	28		12.56			
78 D	03-08-22	28		12.56			
78 E	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD

Supplier: Laredo Ready Mix **Batch Time:** 3:31 A.M. **Air Content:** ND
Truck: 71 **Sample Time:** 4:16 A.M. **Unit Weight:** NA
Audit No.: 247416 **Concrete Temp.:** 60° **Field Cured:** 24 hrs.
Design No.: 3000 psi **Ambient Temp.:** 37° **Sample Type:** Cylinder
Product No.: 3600 & BetterMud **Slump:** 8" **Sample Size:** 4" x 8"

Field Test Procedure: ASTM C172
Laboratory Test Procedure: ASTM C39

Remarks: None.

Person notified of tests results: Mr. Juan Medina, City of Laredo Inspector.

ND - Not determined **A.S.:** 4:00 A.M.
NR - Not required **D.S.:** 8:00 A.M.
NP - Not provided
NA - Not applicable

Submitted by:
Howland Engineering and Surveying Co.
 TBPE Firm Registration No. F-4097

 Roberto P. Martinez, Jr., P.E.
 Project Engineer

Distribution: (1) Above, (1) TAMIU
 (1) Frank Architects, (1) Sherfey Engineering
 (1) Synergy Engineering, (1) Trinity MEP Engineering
 (1) Leyendecker Construction

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COMPRESSIVE STRENGTH TEST REPORT

Client: City of Laredo **Report No.:** 57219 (7 day break)
Project: Tennis Complex at TAMIU **Technician:** A. Ortiz
Cast Date: February 8, 2022 **Set of:** 2 of 5
Location: Pavement Section - 54'S 26'W from the NEC of Court 8

SAMPLE NUMBER	DATE	AGE (DAYS)	LOAD (LBS.)	AREA (SQ.IN.)	STRENGTH (PSI)	% OF DESIGN	FRACTURE TYPE
79 A	02-11-22	3	40150	12.56	3200	107 %	Shear (4)
79 B	02-15-22	7	50510	12.56	4020	134 %	Cone (1)
79 C	03-08-22	28		12.56			
79 D	03-08-22	28		12.56			
79 E	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD

Supplier: Laredo Ready Mix **Batch Time:** 3:53 A.M. **Air Content:** ND
Truck: 66 **Sample Time:** 5:03 A.M. **Unit Weight:** NA
Audit No.: 247419 **Concrete Temp.:** 61° **Field Cured:** 24 hrs.
Design No.: 3000 psi **Ambient Temp.:** 39° **Sample Type:** Cylinder
Product No.: 3600 & BetterMud **Slump:** 5 1/2" **Sample Size:** 4" x 8"
Field Test Procedure: ASTM C172
Laboratory Test Procedure: ASTM C39

Remarks: None.

Person notified of tests results: Mr. Juan Medina, City of Laredo Inspector.

ND - Not determined
NR - Not required
NP - Not provided
NA - Not applicable

A.S.: 4:00 A.M.
D.S.: 8:00 A.M.

Submitted by:
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 TBPE Firm Registration No. F-4097

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 Project Engineer

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COMPRESSIVE STRENGTH TEST REPORT

Client: City of Laredo **Report No.:** 57220 (7 day break)
Project: Tennis Complex at TAMIU **Technician:** A. Ortiz
Cast Date: February 8, 2022 **Set of:** 3 of 5
Location: Pavement Section - 13'S 55'W from the NEC of Court 8

SAMPLE NUMBER	DATE	AGE (DAYS)	LOAD (LBS.)	AREA (SQ.IN.)	STRENGTH (PSI)	% OF DESIGN	FRACTURE TYPE
80 A	02-11-22	3	34560	12.56	2750	92 %	Cone (1)
80 B	02-15-22	7	48600	12.56	3870	129 %	Shear (4)
80 C	03-08-22	28		12.56			
80 D	03-08-22	28		12.56			
80 E	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD

Supplier: Laredo Ready Mix **Batch Time:** 4:28 A.M. **Air Content:** ND
Truck: 62 **Sample Time:** 5:38 A.M. **Unit Weight:** NA
Audit No.: 248293 **Concrete Temp.:** 62° **Field Cured:** 24 hrs.
Design No.: 3000 psi **Ambient Temp.:** 37° **Sample Type:** Cylinder
Product No.: 3600 & BetterMud **Slump:** 8" **Sample Size:** 4" x 8"

Field Test Procedure: ASTM C172
Laboratory Test Procedure: ASTM C39

Remarks: None.

Person notified of tests results: Mr. Juan Medina, City of Laredo Inspector.

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NR - Not required
NP - Not provided
NA - Not applicable

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D.S.: 8:00 A.M.

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COMPRESSIVE STRENGTH TEST REPORT

Client: City of Laredo **Report No.:** 57221 (7 day break)
Project: Tennis Complex at TAMIU **Technician:** A. Ortiz
Cast Date: February 8, 2022 **Set of:** 4 of 5
Location: Pavement Section - 75'S 52'E from the SWC of Court 7

SAMPLE NUMBER	DATE	AGE (DAYS)	LOAD (LBS.)	AREA (SQ.IN.)	STRENGTH (PSI)	% OF DESIGN	FRACTURE TYPE
81 A	02-11-22	3	42660	12.56	3400	113 %	Cone (1)
81 B	02-15-22	7	50610	12.56	4030	134 %	Shear (4)
81 C	03-08-22	28		12.56			
81 D	03-08-22	28		12.56			
81 E	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD

Supplier: Laredo Ready Mix **Batch Time:** 5:23 A.M. **Air Content:** ND
Truck: 79 **Sample Time:** 6:05 A.M. **Unit Weight:** NA
Audit No.: 247423 **Concrete Temp.:** 62° **Field Cured:** 24 hrs.
Design No.: 3000 psi **Ambient Temp.:** 39° **Sample Type:** Cylinder
Product No.: 3600 & BetterMud **Slump:** 5 1/2" **Sample Size:** 4" x 8"

Field Test Procedure: ASTM C172
Laboratory Test Procedure: ASTM C39

Remarks: None.

Person notified of tests results: Mr. Juan Medina, City of Laredo Inspector.

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NR - Not required
NP - Not provided
NA - Not applicable

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COMPRESSIVE STRENGTH TEST REPORT

Client: City of Laredo **Report No.:** 57222 (7 day break)
Project: Tennis Complex at TAMIU **Technician:** A. Ortiz
Cast Date: February 8, 2022 **Set of:** 5 of 5
Location: Pavement Section - 8'N 28'E from the SWC of Court 7

SAMPLE NUMBER	DATE	AGE (DAYS)	LOAD (LBS.)	AREA (SQ.IN.)	STRENGTH (PSI)	% OF DESIGN	FRACTURE TYPE
82 A	02-11-22	3	39730	12.56	3160	105 %	Shear (4)
82 B	02-15-22	7	50900	12.56	4050	135 %	Shear (4)
82 C	03-08-22	28		12.56			
82 D	03-08-22	28		12.56			
82 E	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD	HOLD

Supplier: Laredo Ready Mix **Batch Time:** 5:23 A.M. **Air Content:** ND
Truck: 66 **Sample Time:** 6:40 A.M. **Unit Weight:** NA
Audit No.: 247427 **Concrete Temp.:** 62° **Field Cured:** 24 hrs.
Design No.: 3000 psi **Ambient Temp.:** 39° **Sample Type:** Cylinder
Product No.: 3600 & BetterMud **Slump:** 6 1/2" **Sample Size:** 4" x 8"

Field Test Procedure: ASTM C172
Laboratory Test Procedure: ASTM C39

Remarks: None.

Person notified of tests results: Mr. Juan Medina, City of Laredo Inspector.

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