

CONT	SECT	JOB	HIGHWAY
6405	68	001	SH 71, ETC
DIST	COUNTY		SHEET NO.
AUS	BASTROP		1

STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED STATE HIGHWAY ROUTINE MAINTENANCE

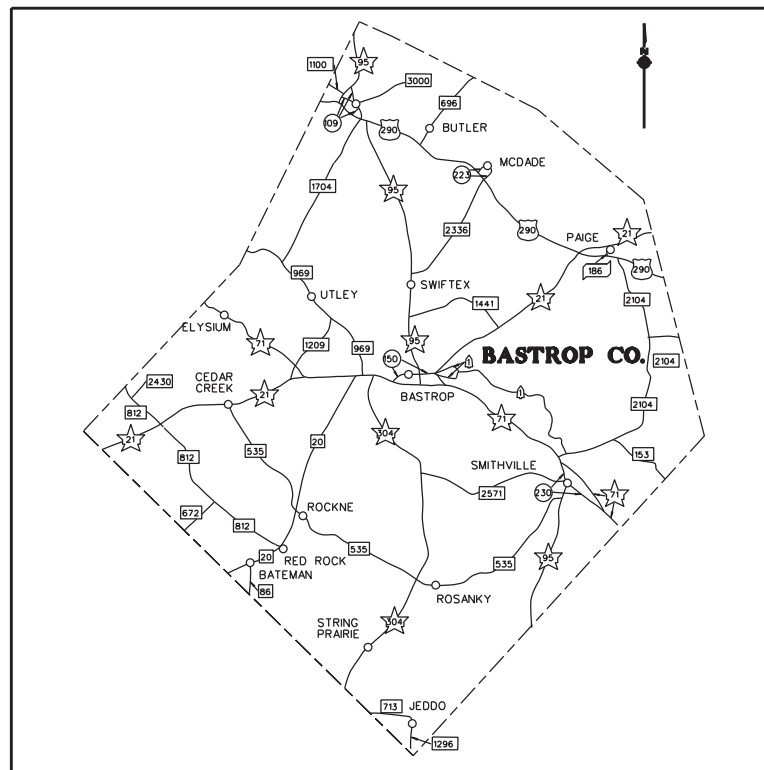
PROJECT NUMBER
RMC 640568001

NET LENGTH OF PROJECT • 1,356,643.200 FEET • 256.940 MILES

BASTROP COUNTY SH 71

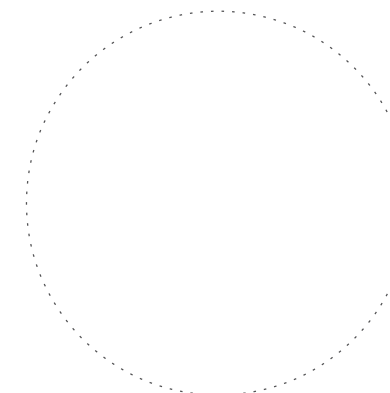
FROM: VARIOUS LOCATIONS IN
TO: BASTROP COUNTY

FOR ROUTINE MAINTENANCE
CONSISTING OF MOWING HIGHWAY RIGHT OF WAY



LOCATION MAP NOT TO SCALE

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE



FINAL PLANS

DATE OF LETTING: _____

DATE WORK BEGAN: _____

DATE WORK COMPLETED AND ACCEPTED: _____

FINAL CONTRACT COST: \$ _____

CONTRACTOR: _____

LIST OF APPROVED CHANGE ORDERS:

I CERTIFY THAT THIS PROJECT
WAS CONSTRUCTED IN SUBSTANTIAL
COMPLIANCE WITH THE FINAL AS-BUILT
PLANS AND SPECIFICATIONS.

AREA ENGINEER P.E. DATE

RECOMMENDED FOR LETTING: 12/15/2023

DocuSigned by:
Gisel Carrasco
097829A06497450...
DISTRICT MAINTENANCE ENGINEER

SUBMITTED FOR LETTING: 11/30/2023

DocuSigned by:
Diana K. Schulzes P.E.
6775445255A3482...
AREA ENGINEER

APPROVED FOR LETTING: 12/15/2023

DocuSigned by:
Omar X. De Leon, P.E.
D18DBE2B94AE4EA...
DIRECTOR OF OPERATIONS

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION ON NOVEMBER 1, 2014 AND SPECIFICATIONS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT.



DATE: 8/1/2023 14:35 PM
 FILE: \\tudo\pro\ect\wiseonline.com\TX0014\Documents\14 - AUS\Offices\Area Offices\Bestrop\Bestrop\Design\RMC's\6405-68-001 FY24 Bestrop Co Mowing\02 INDEX.dgn

	GENERAL
1	TITLE SHEET
2	INDEX OF SHEETS
3, 3A- 3B	GENERAL NOTES
4	ESTIMATE & QUANTITY SHEET
5	FULL WIDTH MOWING SUMMARY
6	STRIP MOWING SUMMARY
	STANDARDS
7	RS-TCP-05
8	STRIP-MOW-D-04
9	STRIP-MOW-ND-04

THE STANDARD SHEETS HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AND ARE APPLICABLE TO THIS PROJECT.

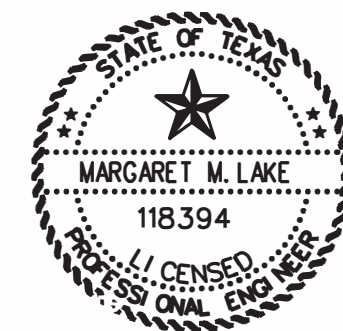
DocuSigned by:

Margaret Lake

P.E.

11/30/2023

DATE



**Austin District
Bastrop Area Office**



INDEX OF SHEETS



DS:	CK:	CONT	SECT	JOB	HIGHWAY
		6405	68	001	SH 71, ETC
DW:	CK:	DIST		COUNTY	SHEET NO.
		AUS		BASTROP	2

Project Number: RMC 640568001
County: Bastrop
Highway: SH0071

Sheet: 3
Control: 6405-68-001

GENERAL NOTES:

GENERAL

Contractor questions on this project are to be addressed to the following individual(s):

Bastrop Area Tanli.Sun@txdot.gov
Bastrop Area Diana.Schulze@txdot.gov

Questions and requests for documents will be accepted via the Letting Pre-Bid Q&A web page. All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address:

<https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

Written notice will be given to begin work on this project.

Work must begin within seven (7) calendar days after such notification. Time charges will begin when work begins regardless if it falls within seven (7) calendar days of the notification to begin work.

Commence work upon issuance of a work order. Continue for (2) “**Two**” calendar years or until contract funds are expended, whichever occurs first.

Work under this contract shall consist of “**Full width and strip mowing**” at various locations in “**Bastrop county**”.

If work is performed at Contractor’s option, when inclement weather is impending, and the work is damaged by subsequent precipitation, the Contractor is responsible for all costs associated with replacing the work, if required.

Equip all construction equipment used in roadway work with highly visible omnidirectional flashing warning lights.

A slow moving vehicle emblem will be affixed to the rear of mowers.

Damage to existing pipes and SET’s due to Contractor operations will be repaired at Contractor’s expense.

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Damage that occurs to existing fences while performing work is the Contractor’s responsibility under this contract. Any damage to fences must be repaired immediately to its prior existing condition or better.

The Contractor is responsible for any damage done to the existing utilities while working on this project. The Contractor is responsible for reporting the damage to the utility company as soon as possible.

All locations used for storing construction equipment, materials, and stockpiles of any type, within the right of way, will be as directed. Use of right of way for these purposes will be restricted to those locations where driver sight distance to businesses and side street intersections is not obstructed and at other locations where an unsightly appearance will not exist. The Contractor will not have exclusive use of right of way but will cooperate in the use of the right of way with the city/county and various public utility companies as required.

Remove all equipment from the right of way at the completion of each mowing cycle. Equipment will not be left within 30 feet of the travel lane.

Each contract is considered separate and individual from others. Requirements to complete work on any or all contracts may occur at the same time. If requests are issued at the same time, it is expected that the work will be completed in the time frame allowed.

ITEM 3 – AWARD AND EXECUTION OF CONTRACT

A work order will be issued for each item of work, or as directed by the Engineer. Daily work reports will be submitted to the Engineer. Work reports will include planned work 24 hours in advance and all completed work. Notify Engineer of arrival at each site prior to beginning work. Documentation of completion of work and inspection by the Engineer are required for payment.

Law Enforcement Personnel.

Submit charge summary and invoices using the Department forms.

Patrol vehicles must be clearly marked to correspond with the officer’s agency and equipped with appropriate lights to identify them as law enforcement. For patrol vehicles not owned by a law enforcement agency, markings will be retroreflective and legible from 100 ft. from both sides and the rear of the vehicle. Lights will be high intensity and visible from all angles.

No payment will be made for law enforcement personnel needed for moving equipment or payment for drive time to/from the event site. A minimum number of hours is not guaranteed. Payment is for work performed. If the Contractor has a field office, provide an office location for a supervisory officer when event requires a supervising officer. This work is subsidiary.

A maximum combined rate of \$70 per hour for the law enforcement personnel and the patrol vehicle will be allowed. Any scheduling fee is subsidiary per Standard Specification 502.4.2.

Cancel law enforcement personnel when the event is canceled. Cancellation, minimums or “show up” fees will not be paid when cancellation is made 12 hours prior to beginning of the event.

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Failure to cancel within 12 hours will not be cause for payment for cancellation, minimums, or "show up" time. Payment of actual "show up" time to the event site due to cancellation will be on a case by case basis at a maximum of 2 hours per officer.

Alterations to the cancellation and maximum rate must be approved by the Engineer or pre-determined by official policy of the officers governing authority.

Houston Toad.

See Designers Quick Reference Guide Appendix P. See Summary sheets 5-6 for locations in Houston Toad area and requirements.

Back Up Alarm.

For hours 9 P to 5 A, utilize a non-intrusive, self-adjusting noise level reverse signal alarm. This is not applicable to hotmix or seal coat operations. This is subsidiary.

ITEM 500 – MOBILIZATION

One Mobilization will be paid for each callout performed.

ITEM 730 – ROADSIDE MOWING

For this contract, there are **2 cycles** of full width mowing and **1 cycles** of strip mowing, annually.

For this contract, the Contractor should have in operation at all times, no less than "**four**" mowers for full width mowing and no less than "**three**" mowers for strip mowing, unless otherwise approved by the Engineer. This amount of equipment is for information purposes and the State will look at production rates to establish whether performance is progressing according to specifications.

The Contractor will be given written notification of when to begin a mowing cycle. Within the written notification, the Contractor will be given the number of acres required for the mowing cycle, and the date when the time charges for the mowing cycle will be started. The number of working days allowed to complete the mowing cycle will be determined by the Engineer.

Work will be considered progressing satisfactorily if the average acceptable acres mowed per day are in line with the total number of acres required per day as outlined below for each type of mowing. All hand trimming must also be accomplished for the amount of acres mowed.

For this contract the basis of estimate for mowing acres per normal working day will be **140 acres** for full width mowing and **75 acres** for strip mowing.

Mowers will be adjusted for a cutting height of approximately five to seven inches as directed by the Engineer. Stops will be placed in the cylinders on the main deck so the mower will not cut lower than this set adjustment. The Engineer reserves the right to require the mower to be readjusted at any time the Engineer suspects the adjustment is incorrect. All rotary mowers will be maintained with sharp blades to cleanly, evenly cut vegetation at all times.

All rotary mowers must be equipped with either safety chains or the manufacturer's safety device to prevent damage to property caused by flying debris propelled out from under the mower. Chains

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will be a minimum of 5/16 inch in size and links spaced side by side around the mowers front, sides and rear.

Tractor mounted mowers may be used in large open areas. Suitable smaller riding or push-type mowers will be used in areas around shrubs and trees in landscaped areas as directed by the Engineer.

All hand trimming must be kept up with the mowing operation. For this operation, a minimum of one support vehicle will be required along with a minimum of two people to do the trimming per tract. These persons will perform the trimming directly behind the mowers. The trimming should not be done by the mower operators unless otherwise directed by the Engineer. Should the hand trimming fall behind, the Engineer may stop all mowing operations until the trimming is caught up. The work days will continue during this mowing stoppage.

Mow as close as possible to all fixed objects exercising extreme care not to damage trees, plants, shrubs, signs, delineators or other appurtenances which are part of the facility. Hand trimming around such objects is required of the Contractor, unless specified otherwise, and will be subsidiary to the mowing operations and has been included in the total working days allowed. Straighten and plumb all object markers and delineators post after each mowing cycle. Working days will continue to accrue until this work is complete. Any damage caused by the Contractor's operation will be repaired and/or replaced to a condition as good as or better than at the Contractor's expense. The Department has the authority to charge the Contractor for any damage not repaired.

Grass trimmings that accumulate in the gutters and roadway shall be removed by the contractor. This work is subsidiary to the pertinent items.

The Contractor will remove all small woody plants around fixed objects.

The Contractor will be required to edge the curb lines during each cycle of mowing.

The Engineer reserves the right to specify the sequence of mowing operation by highway, etc. Failure to comply with these instructions will be considered as not complying with the terms of the contract. The sequence of work will be as established by the Engineer or as requested by the Contractor with prior approval by the Engineer.

Then Engineer reserves the right to pay for partial cycles when it is determined that certain highways or portions thereof may not need mowing.

The number of cycles included in the plans is for estimation purposes only. The Contractor will be given written notice on an as-needed (callout work) for each cycle of mowing.

To prevent further spread of parasitic or invasive plants in the Austin District, all mowing equipment must be pressure washed prior to beginning mowing operations in any Austin District Maintenance Section.

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Mowing Requirements: Strip mowing will also include all mowing necessary to maintain adequate sight distance at intersections, private entrances, off ramps, on ramps, signs, delineators and curves. Strip mowing may also be used to mow inside small towns between normal mowing cycles.

Furnishing and installation of work zone signs is subsidiary to Item 730.

Plans may be reviewed at the *Bastrop Area Office, 174 SH 21 E, Bastrop, TX 78602*. The contact person is *Tanli Sun, 512-321-2195*



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 6405-68-001

DISTRICT Austin
HIGHWAY SH0071

COUNTY Bastrop

CONTROL SECTION JOB				6405-68-001		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00188064			
COUNTY				Bastrop			
HIGHWAY				SH0071			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	500-6033	MOBILIZATION (CALLOUT)	EA	6.000		6.000	
	730-6001	STRIP MOWING	AC	2,200.000		2,200.000	
	730-6002	FULL - WIDTH MOWING	AC	8,784.000		8,784.000	

Bastrop Maintenance (Bastrop County)(Full Width Mowing)

BATROP CO. TRACT	ROADWAY	FROM	TO	FULL WIDTH MOWING ITEM 730 (ACRES) ***	ESTIMATED CYCLES	LENGTH (MILES) ***	WORKING DAYS PER CYCLE	NOTES
	US 290	TRAVIS / BASTROP C/L	FM 696	164	4	6.990	1	4
	FM 3000	TAYLOR ST. (ELGIN)	3.7 MI N/E (END STATE MAINT.)	30	4	3.150	1	
	FM 1704	SL 109 (ELGIN)	FM 969	57	4	10.150	1	
	FM 2336	US 290 (McDADE)	SH 95	47	4	6.810	1	6,7
	FM 969	TRAVIS / BASTROP C/L	SH 71	78	4	12.110	1	
	SH 95	TRAVIS / BASTROP C/L	BASTROP CITY LIMIT	122	4	18.810	1	6,7
	SH 95	SL 230 (SMITHVILLE CITY LIMITS)	FAYETTE / BASTROP C/L	46	4	7.580	1	
	FM 1441	SH 95	SH 21 (OLD FM 1441 INCLUDED)	60	4	6.780	1	6,7
	SH 21	SL 150 (RM 576)	US 290 (RM 583+0.680)	121	4	11.580	1	2,4,6,7
	SL 109	SH 95	NORTHAVE H	5	4	0.490	1	
	SL 109	FM 1704	US 290	5	4	0.310	1	
	SL 230	SH 71	5TH ST (INCLUDES RIVER ACCESS/BOAT RAMP)	15	4	1.430	1	
	SL 230	CHASE ST	SH 71	8	4	1.200	1	
	SL 230	DRAINAGE EASEMENT @ RM 572 -0.44 (RT)		1	4	0.140	1	3
	SH 71	SH 95 (SMITHVILLE)	FAYETTE / BASTROP C/L	310	4	22.420	2	1,4
	FM 2571	SH 304 (RM 562)	SH 95 (SMITHVILLE)	39	4	9.560	1	
	FM 535	SH 304	SH 95	60	4	10.600	1	
	FM 1209	FM 969	SH 21	29	4	4.610	1	
	SH 71	TRAVIS / BASTROP C/L	SH 95 (BASTROP)	259	4	29.470	2	4,5
	SH 21	CALDWELL / BASTROP C/L	SH 71	96	4	13.800	1	
	SL 150	SH 95	SH 21	8	4	0.790	1	6,7
	SL 150	SH 21	SH 71	17	4	0.880	1	6,7
	FM 812	TRAVIS / BASTROP C/L	FM 20	90	4	14.280	1	
	FM 1100	SH 95	TRAVIS / BASTROP C/L	9	4	1.260	1	
	FM 2430	FM 812	END OF STATE MAINTENANCE	4	4	0.870	1	
	FM 535	TRAVIS / BASTROP C/L	SH 304	160	4	22.900	1	
	FM 672	CALDWELL / BASTROP C/L	FM 812	22	4	2.360	1	
	FM 20	FM 86	SH 71/21	107	4	13.300	1	
	SH 304	BASTROP CITY LIMIT	CALDWELL / BASTROP C/L	227	4	22.310	2	
		TOTAL		2196		256.940	32	

NOTES:

*** IT IS UNDERSTOOD THAT THE AREA SHOWN IS APPROXIMATE ONLY AND IS INTENDED PRINCIPALLY TO SERVE AS A GUIDE IN COMPUTING BIDS. (ACTUAL MOWING MILES).

1. ALL INTERCHANGES FROM FM 153 TO FAYETTE C/L MUST BE MOWED COMPLETELY FROM ROW LINE TO ROW LINE, TRM'S: 614+0.64 - 614+1.26 (FM 153), 616+0.76 - 616+1.11(COLORADO DR.), 618+0.11 - 618+0.65 (SL 230)
2. A SMALLER MOWER FOR OPERATIONS IN THIS AREA IS RECOMMENDED.
3. DRAINAGE EASEMENT IS APPROXIMATELY 240' WEST OF FAULKNER RD AT REF MRK 572 -0.44. EASEMENT TO BE MOWED 40' WIDTH FROM SL 230 SOUTH TO RAIL ROAD ROW.
4. INCLUDES ALL CENTER MEDIAN AND IS TO BE MOWED FULL WIDTH. (ONLY APPLIES TO LOCATIONS MARKED ABOVE IN NOTES COLUMN)
5. INCLUDES ENTIRE AREA BETWEEN MAIN LANE AND OLD RD (OLD HWY 71). INCLUDES 15 FEET OUTSIDE OLD RD BETWEEN TRM'S: 594+0.2 - 594+1.95, 564+0.21 - 566+0.10, 566+0.98 - 566+1.64. AREA BETWEEN COLORADO RIVER BRIDGE AND RR OVERPASS MUST BE MOWED COMPLETELY INSIDE FRONTAGE ROADS AND 15 FEET ON OUTSIDE OF FRONTAGE ROAD.
6. ROADWAY IN HOUSTON TOAD HABITAT. MOWING OCCURRING BETWEEN JANUARY 1ST AND JULY 1ST WILL REQUIRE DISTRICT BIOLOGIST APPROVAL BEFORE MOWING MAY COMMENCE.
7. ROADWAY IN HOUSTON TOAD HABITAT. IF THE TOTAL RAINFALL IN A 48 HR PERIOD REACHES 2IN OR GREATER, THE CONTRACTOR MUST SUSPEND WORK FOR 24 HR TO ENSURE THAT THE TXDOT PROVIDED MONITORS WILL BE ONSITE FOR A FULL-TIME BASIS FOR THAT 24 HR PERIOD. TIME SUSPENSION WILL NOT BEGIN UNTIL THE RAIN EVENT HAS ENDED AND TIME WILL NOT BE CHARGED DURING THE SUSPENSION. TIME CHARGES DURING THE EVENT WILL BE IN ACCORDANCE WITH THE CONTRACT. IF THE SUSPENSION DOES NOT IMPACT THE PERFORMANCE OF WORK FOR 7 HR BETWEEN 7:00 A.M. AND 6:00 P.M., A WORKING DAY WILL BE CHARGED. THE SUSPENSION WILL BE NONCOMPENSABLE.

**Austin District
Bastrop Area Office**

**FULL WIDTH
MOWING
SUMMARY**

2024	CONT	SECT	JOB	HIGHWAY
6405	68	001	SH 71, ETC	
DIST	COUNTY		SHEET NO.	
14	BASTROP		5	

DATE: 8/1/2023 1:49:46 PM
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DATE: 8/1/2023 1:49:49 PM FILE: p:\ttdot\projectwiseonline.com\tx0014\Documents\14 - AUS\Offices\Area Offices\Bestrop Co Mowing\Summer\Strp.mog

Bastrop Maintenance (Bastrop County)(Strip Mowing)

BATROP CO. TRACT	ROADWAY	FROM	TO	FULL WIDTH MOWING ITEM 730 (ACRES) ***	ESTIMATED CYCLES	LENGTH (MILES) ***	WORKING DAYS PER CYCLE	NOTES
	US 290	TRAVIS / BASTROP C/L	FM 696	82	2	6.990	1	
	FM 3000	TAYLOR ST. (ELGIN)	3.7 MI N/E (END STATE MAINT.)	15	2	3.150	1	
	FM 1704	SL 109 (ELGIN)	FM 969	29	2	10.150	1	
	FM 2336	US 290 (McDADE)	SH 95	24	2	6.810	1	6, 7
	FM 969	TRAVIS / BASTROP C/L	SH 71	39	2	12.110	1	
	SH 95	TRAVIS / BASTROP C/L	BASTROP CITY LIMIT	61	2	18.810	1	6, 7
	SH 95	SL 230 (SMITHVILLE CITY LIMITS)	FAYETTE / BASTROP C/L	23	2	7.580	1	
	FM 1441	SH 95	SH 21 (OLD FM 1441 INCLUDED)	30	2	6.780	1	6, 7
	SH 21	SL 150 (RM 576)	US 290 (RM 583+0.680)	61	2	11.580	1	2, 6, 7
	SL 109	SH 95	NORTHAVE H	3	2	0.490	1	
	SL 109	FM 1704	US 290	3	2	0.310	1	
	SL 230	SH 71	5TH ST (INCLUDES RIVER ACCESS/BOAT RAMP)	8	2	1.430	1	
	SL 230	CHASE ST	SH 71	4	2	1.200	1	
	SL 230	DRAINAGE EASEMENT @ RM 572 -0.44 (RT)		1	2	0.140	1	
	SH 71	SH 95 (SMITHVILLE)	FAYETTE / BASTROP C/L	155	2	22.420	2	
	FM 2571	SH 304 (RM 562)	SH 95 (SMITHVILLE)	20	2	9.560	1	
	FM 535	SH 304	SH 95	30	2	10.600	1	
	FM 1209	FM 969	SH 21	15	2	4.610	1	
	SH 71	TRAVIS / BASTROP C/L	SH 95 (BASTROP)	125	2	29.470	2	
	SH 21	CALDWELL / BASTROP C/L	SH 71	48	2	13.800	1	
	SL 150	SH 95	SH 21	4	2	0.790	1	6, 7
	SL 150	SH 21	SH 71	9	2	0.880	1	6, 7
	FM 812	TRAVIS / BASTROP C/L	FM 20	45	2	14.280	1	
	FM 1100	SH 95	TRAVIS / BASTROP C/L	5	2	1.260	1	
	FM 2430	FM 812	END OF STATE MAINTENANCE	2	2	0.870	1	
	FM 535	TRAVIS / BASTROP C/L	SH 304	80	2	22.900	1	
	FM 672	CALDWELL / BASTROP C/L	FM 812	11	2	2.360	1	
	FM 20	FM 86	SH 71/ 21	54	2	13.300	1	
	SH 304	BASTROP CITY LIMIT	CALDWELL / BASTROP C/L	114	2	22.310	2	
		TOTAL		1100		256.940	32	

NOTES:

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**Austin District
Bastrop Area Office**

**STRIP
MOWING
SUMMARY**

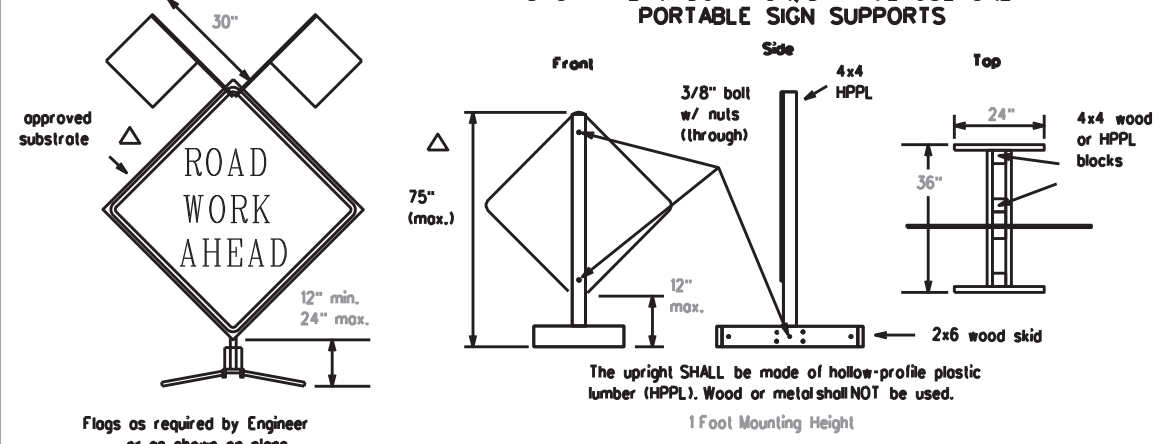
© 2024	CONT	SECT	JOB	HIGHWAY
6405	68	001	SH 71, ETC	
DIST	COUNTY		SHEET NO.	
14	BASTROP		6	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
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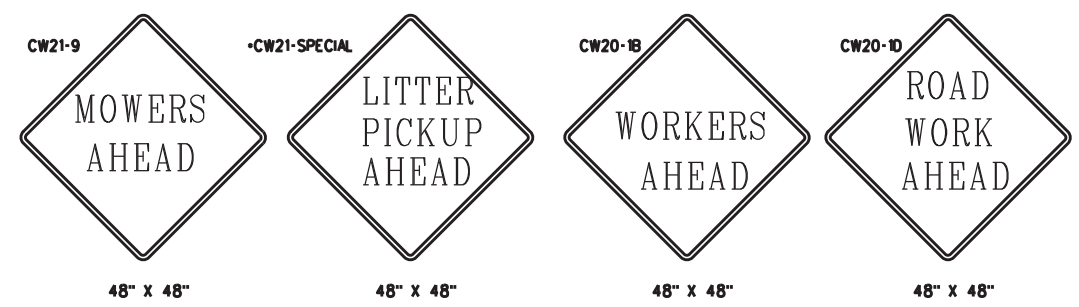
△ See the CWZTCO for the type of sign substrate that can be used for each approved sign support.

EXAMPLES OF SIGN SUPPORTS



Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports.

Nails will NOT be allowed.



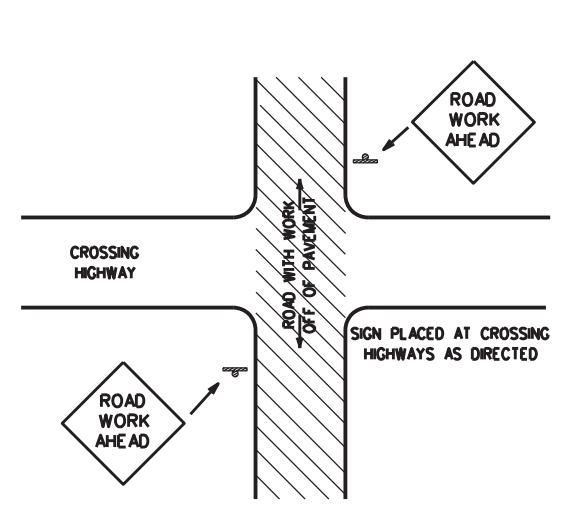
SIGN IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS

MOWERS AHEAD SIGNS ARE USED FOR MOWING OPERATIONS.

LITTER PICKUP AHEAD, ROAD WORK AHEAD AND WORKER AHEAD SIGNS ARE USED AS DIRECTED FOR OTHER MAINTENANCE OPERATIONS WHEN ALL WORK OCCURS OFF OF THE PAVED HIGHWAY SURFACE.

ROLL-UP SIGNS CONFORMING TO DMS-8310 AND THE CWZTCO ALLOWED

*Letter dimensions and spacing for "CW21-SPECIAL" is the same as C20-1D

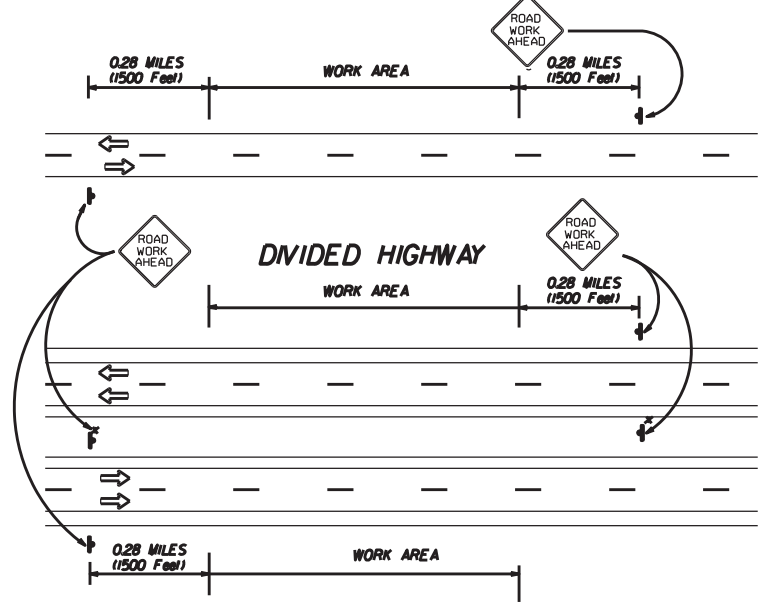


TYPICAL LOCATION OF SIGNS AT HIGHWAY CROSSING

WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED. SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS. SIGNS ARE TO BE PLACED 6' TO 12' OFF OF THE PAVED SURFACE UNLESS OTHERWISE DIRECTED. ROAD WORK AHEAD SIGNS SHOWN AS EXAMPLES, ONE OF THE FOUR TYPE SIGNS WILL BE USED AS DIRECTED.

* SIGNS IN THE MEDIAN ARE REQUIRED WHEN WORK OCCURS IN MEDIAN

UNDIVIDED HIGHWAY OR FRONTAGE ROAD



TRAFFIC CONTROL PLAN FOR WORK OFF OF THE PAVED SURFACE.

GENERAL NOTES FOR WORK ZONE SIGNS

- Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
- Wooden sign posts shall be painted white.
- Barricades shall NOT be used as sign supports.
- Nails shall NOT be used to attach signs to any support.
- All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
- The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCO but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes. The additional signs requested by the Engineer/Inspector shall not be subsidiary.
- The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCO). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so that the Engineer can verify the correct procedures are being followed.
- The Contractor is responsible for sign installations and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
- Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1".
- The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual Uniform Traffic Control Devices" Part VII)

- The Contractor is responsible for ensuring the sign support and substrate meets crashworthiness. For mowing operation all signs and supports are Short-term Duration for daytime work.
- The Contractor shall furnish the sign sizes shown on this sheet or as directed by the Engineer.

SIGN SUBSTRATES

- The Contractor shall ensure that the sign substrate is allowed for the type of sign support that is being used. The CWZTCO lists each substrate that can be used on the different types and models of sign supports.
- "Mesh" type materials are NOT an approved sign substrate.
- All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign faces.

REFLECTIVE SHEETING

- ReflectORIZED signs shall be constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 or DMS-8310. The DMS specifications can be accessed from the following web address: <http://manuals.dot.state.tx.us/80/dynaweb/colmatex/GenericCollectionView.aspx?default:is:default>
- White sheeting, meeting the requirements of DMS-8300 Type C (High Specific Intensity), shall be used for signs with white background and channelizing devices.
- Orange sheeting, meeting the requirements of DMS-8300 Type E (Fluorescent Prismatic), shall be used for signs with orange backgrounds.

SIGN LETTERS

- All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

- Signs should be removed or completely covered when not mowing.
- Duct tape or other adhesive material shall NOT be affixed to a sign face.
- Signs and supports shall be removed by the end of the day.

SIGN SUPPORT WEIGHTS

- Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry cohesionless sand is recommended.
- The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
- Rock, concrete, iron, steel or other solid objects will not be permitted for use as sign support weights.
- Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
- Sandbags shall be made of a durable material that tears upon vehicular impact.
- Rubber (such as tire inner tubes) shall NOT be used for sandbags.
- Rubber ballasts (such as those used with cones or edgeline channelizers) shall NOT be used as sign support weights.
- Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign supports.
- Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

Any sign, sign support or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced or repaired as soon as possible by the Contractor at the Contractor's expense.

Only pre-qualified products shall be used. A copy of the "Compliant Work Zone Traffic Control Devices List" (CWZTCO) describes pre-qualified products and their sources and may be obtained by contacting:

Standards Engineer
 Traffic Operations Division - TE
 Texas Department of Transportation
 125 East 11th Street
 Austin, Texas 78701-2483
 Phone (512) 416-3120
 Fax (512) 416-3299

Instructions to locate the "CWZTCO" on TxDOT website are:

Start of website - www.dot.state.tx.us
 Click on "About TxDOT",
 Click on "Organizational Chart",
 Click on Traffic Operations Box,
 Click on "Compliant Work Zone Traffic Control Devices",
 Click on "View PDF".
 This site is printable.

Texas Department of Transportation
 Maintenance Division
 Standard Plans

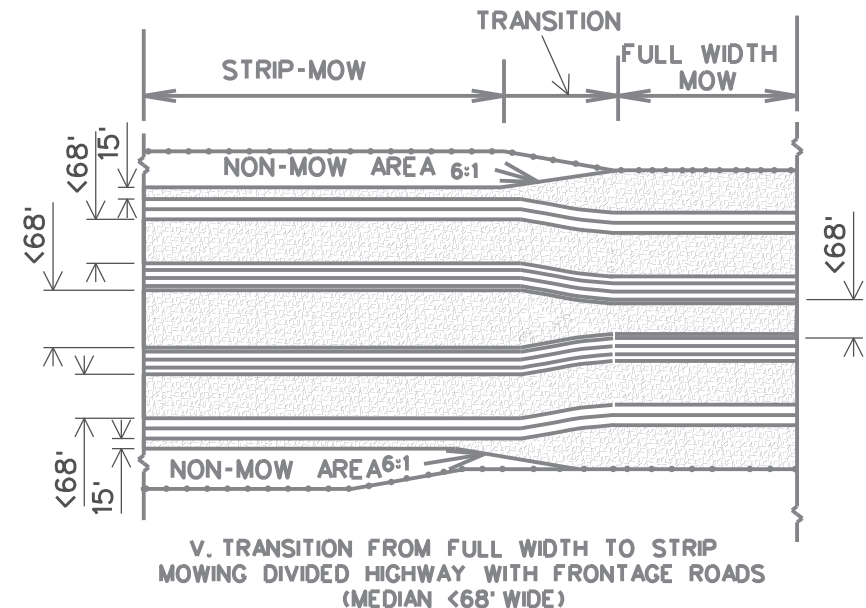
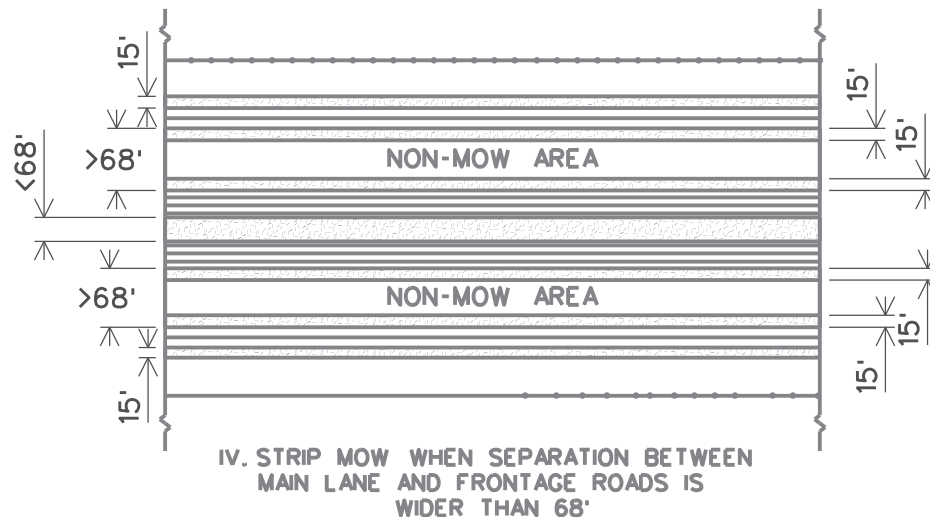
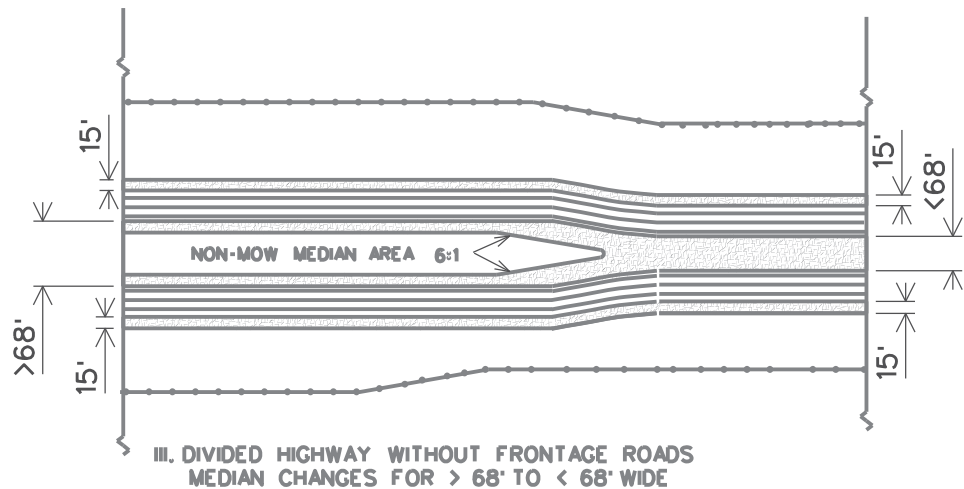
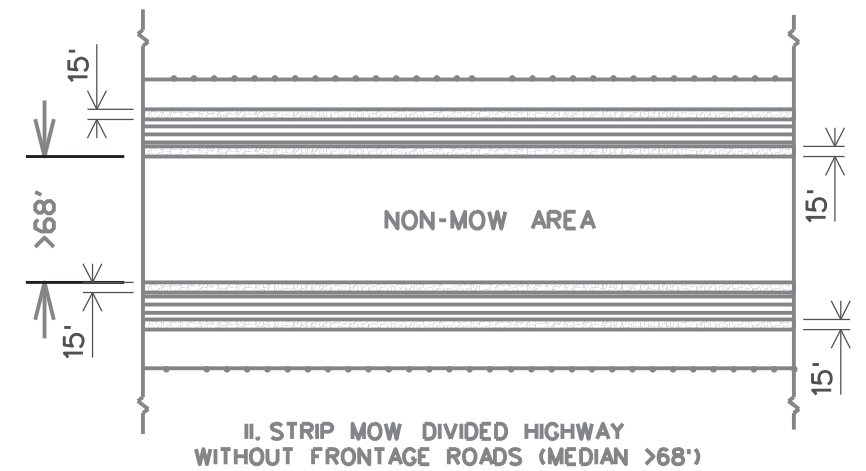
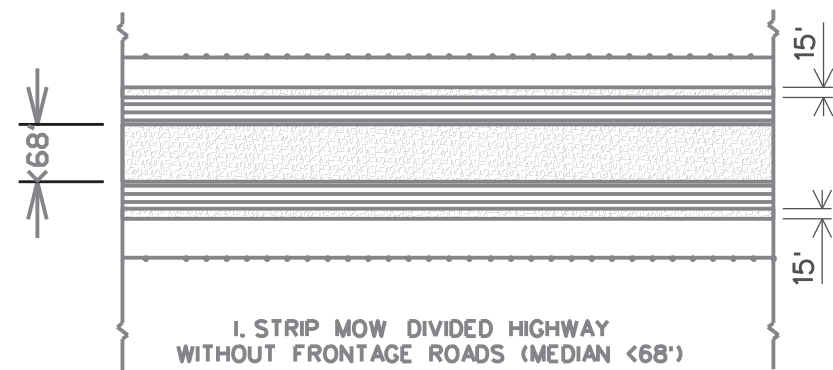
ROADSIDE TRAFFIC CONTROL PLAN

SHEET 1 OF 1 RS-TCP-05 NOT TO SCALE

FILE: RSTCP05.DGN	DN: LJB	CK: JG	DW: -	CK: -	NEG NO: -
© TxDOT FEBRUARY 2005		STATE DISTRICT: AUS	FEDERAL REGION: N/A	PROJECT NO. SEE TITLE SHEET	SHEET 7
REVISED: FEBRUARY 2, 2005	Sign placement in TCP	COUNTY: BASTROP	CONTROL SECTION: 6405 68	JOB: 001SH 71, ETC	HIGHWAY: -

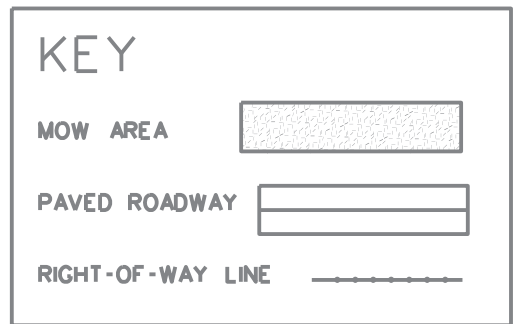
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LEVELS DISPLAYED
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GENERAL NOTES:

1. MOW THE ENTIRE WIDTH OF MEDIANS AND OUTER SEPARATIONS (AREAS BETWEEN MAIN LANES, RAMPS, AND FRONTAGE ROAD) EXCEPT FOR NON-MOW AREAS.
2. MOW FULL-WIDTH ALL MEDIANS AND OUTER SEPARATIONS 68' OR LESS FROM PAVEMENT EDGE TO PAVEMENT EDGE.
3. FOR MEDIANS AND OUTER SEPARATIONS GREATER THAN 68' MOW A 15' ALONG EACH PAVEMENT EDGE.
4. NON-MOW AREAS IN MEDIANS & OUTER SEPARATIONS WILL BE CONSIDERED THE AREA IN MEDIANS AND OUTER SEPARATIONS GREATER THAN 68' BETWEEN THE 15' STRIP MOW AREAS.
5. OTHER NON-MOW AREA'S WILL BE SHOWN ELSEWHERE ON PLANS OR MARKED ON THE RIGHT OF WAY.



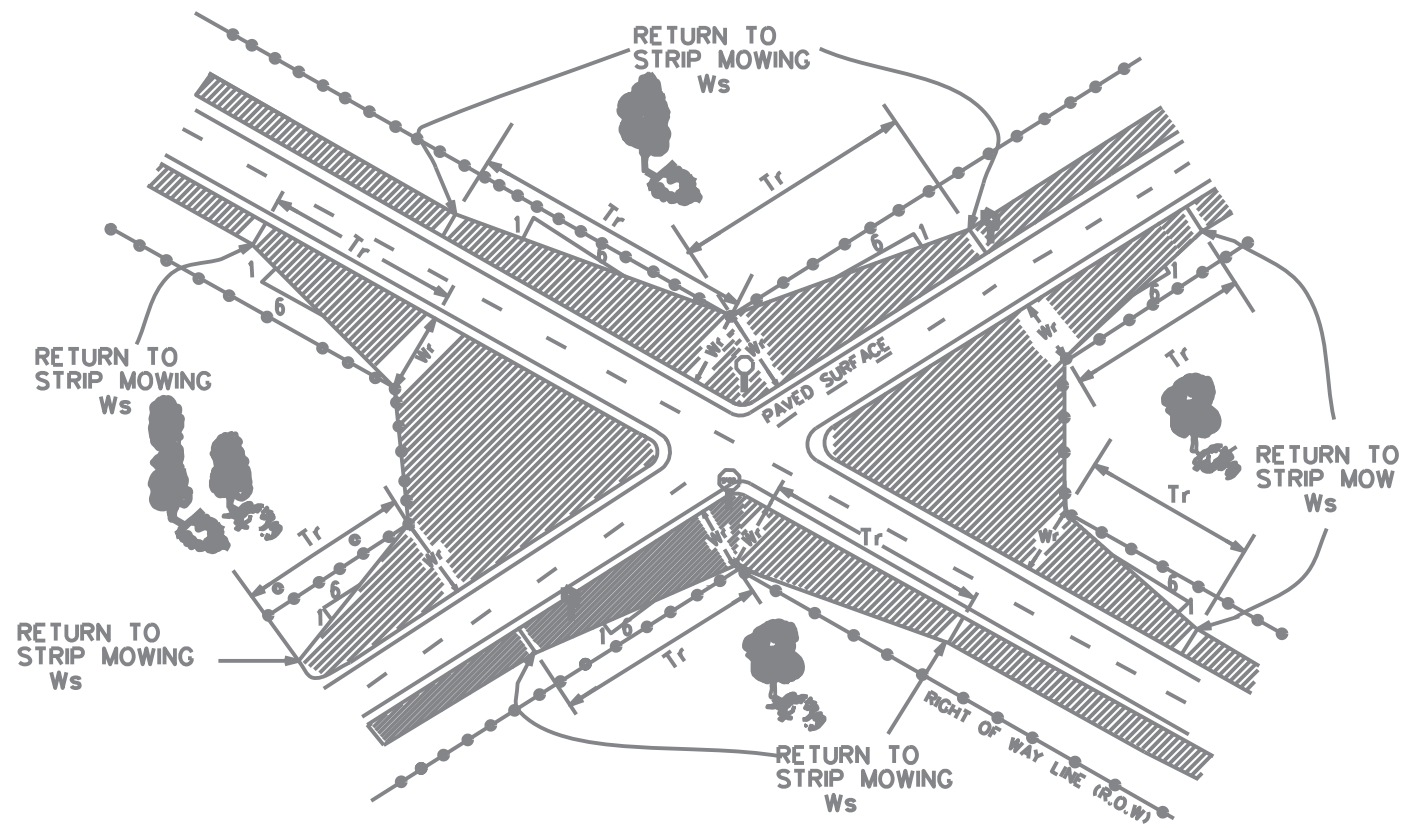
Texas Department of Transportation
 Maintenance Division
 Standard Plans

**STRIP MOWING
 (DIVIDED HIGHWAYS)
 STRIP-MOW-D-04**

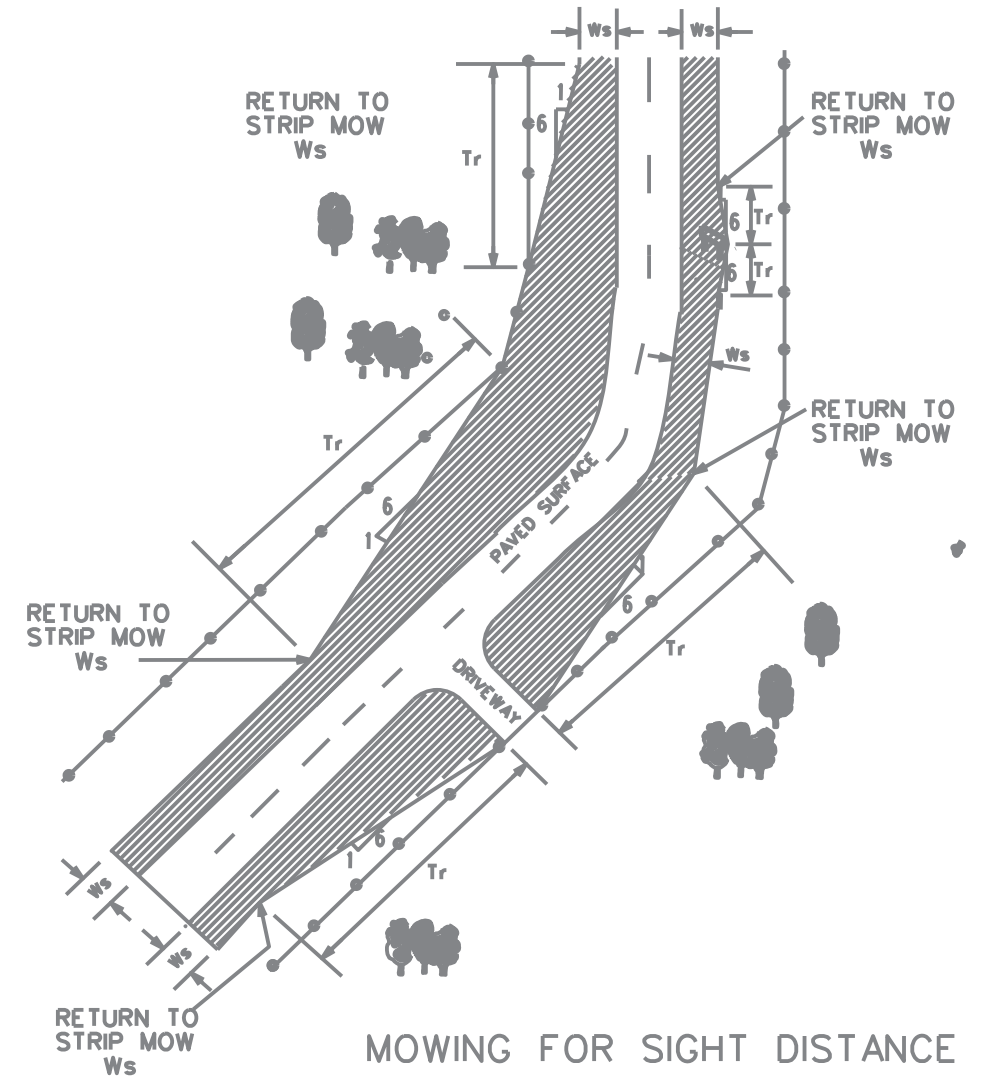
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PROJECT NO.:	SEE TITLE SHEET	SHEET:	8		
COUNTY:	BASTROP	CONTROL SECTION:	6405 68	JOB:	001 SH 71, ETC

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LEVELS DISPLAYED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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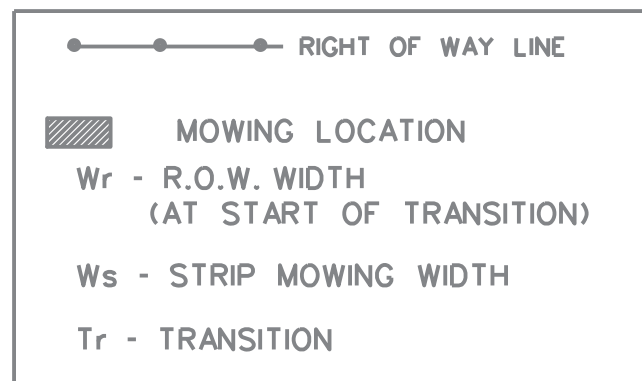
MOWING FOR SIGHT DISTANCE
WITH TRANSITION FROM INTERSECTION
BACK TO STRIP MOWING



MOWING FOR SIGHT DISTANCE
TRANSITIONS AT DRIVEWAYS,
SIGNS, AND CURVES

GENERAL NOTES:

1. THE NORMAL WIDTH FOR STRIP MOWING IS 15' UNLESS OTHERWISE SHOWN ON THE PLANS.
2. MOW TO THE R.O.W. LINE IN FRONT OF BUSINESSES, RESIDENCES, CHURCHES, OR CULTIVATED FIELDS UNLESS OTHERWISE SHOWN ON THE PLANS.
3. TRANSITION FOR SIGHT DISTANCE TO R.O.W LINE OR AROUND SIGNS AS SHOWN ON THIS SHEET UNLESS OTHERWISE SHOWN ON THE PLANS.



Texas Department of Transportation
Maintenance Division
Standard Plans

STRIP MOWING NON-DIVIDED HIGHWAYS

STRIP-MOW-ND-04

SHEET 1 OF 1

NOT TO SCALE

FILE:	SMOWND04.DGN	DN:	LJB	CK:	JG	DW:-	CK:-	NEG NO.:	
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REVISED:	5/18/2004	LJB	AUS	N/A	SEE TITLE SHEET			9	
REVISED:				COUNTY	CONTROL	SECTION	JOB	HIGHWAY	
REVISED:				BASTROP	6405	68	001 SH 71, ETC		