

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 3/20/2014

County 22 GEORGETOWN

Route US 701 Route Name: Horry/Georgetown Co. Line Brs.

Beginning termini Bridges over the Great Pee Dee River

Ending termini:

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 10

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: L - 49

Base year: 2017

Base year ADT: 5,500

Future year 2027

Projected ADT: 7600

Future year 2037

Projected ADT: 9700

7600

ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 53.33

10 YR. DES. = 112.83

15 YR. DES. = 178.24

20 YR. DES. = 249.79

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2017	5,500					
2022	6,600	3,025	303	76	53.33	53.33
2027	7,600	3,200	320	160	112.83	112.83
2032	8,600	3,370	337	253	178.24	178.24
2037	9,700	3,542	354	354	249.79	249.79

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Beginning termini Bridges over the Great Pee Dee River

Ending termini:

Beginning mile post: 0.00 ☐ 1-way ☒ 2-way

Number of lanes: 2 Type of pavement

Percent Trucks.: 10 ☐ Flexible ☒ Rigid

Critical Lane: 100 Rd. Grp. (A-P) - Class 9 %: L - 49

Base year: 2017 Base year ADT: 5,500
Future year 2027 Projected ADT: 7600
Future year 2037 Projected ADT: 9700
7600

ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 75.23
10 YR. DES. = 159.17
15 YR. DES. = 251.44
20 YR. DES. = 352.37

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL	CRT. LN.
2017	5,500					
2022	6,600	3,025	303	76	75.23	75.23
2027	7,600	3,200	320	160	159.17	159.17
2032	8,600	3,370	337	253	251.44	251.44
2037	9,700	3,542	354	354	352.37	352.37

REQUEST FOR TRAFFIC DATA

Route to Chief of Data Services

DATA REQUESTED

- ☒ Traffic Loading for Pavement Design
- ☒ Classification Count for Pavement Design
- ☒ Design Data
- ☐ Intersection Two-Way Traffic Flow (ADT)
- ☐ Intersection Turning Movement Counts
- ☐ Other _____
(Explain)

LOCATION

COUNTY Georgetown/Horry

ROUTE/ROAD US 701 over Great Pee Dee River

From Gtown MP 20.5/Horry MP 0.0
(ATTACH MAP)

To Gtown MP 22/Horry MP 1.5

STATIONS: Horry 176 (New)
Georgetown 144

CONTROLS

For Pavement Loading

	<u>Year</u>	<u>ADT</u>
Base Year	<u>2017</u>	<u>5500</u>
Middle Year	<u>2027</u>	<u>7600</u>
End Year	<u>2037</u>	<u>9700</u>

No. of Lanes 2

Provide ESALs for Flexible and Rigid
Pavement Types

Road Group L

Lane Distribution 1.00

Trucks (% ADT) 10%

	<u>Year</u>	<u>ADT</u>
Present ADT	<u>()</u>	<u> </u>
Future ADT	<u>()</u>	<u> </u>
Design Speed (V)	<u> </u>	<u> </u>
K% <u> </u> D% <u> </u>		

Trucks:
% ADT

% DHV

Other

FURNISH COPIES OF TRAFFIC DATA TO

- ☐ Environmental Coordinator
- ☒ Road Design Engineer
- ☒ Bridge Design Engineer
- ☒ Project Manager
- ☐ Project Development Engineer
- ☒ Research & Materials Engineer

Requested By: Tyke Redfearn

Section: RPG2

Date: 3/12/2014

Stoneburner, Tammy H

From: Redfearn, Tyke
Sent: Wednesday, March 12, 2014 9:23 AM
To: Stoneburner, Tammy H
Cc: Eargle, Stacy A
Subject: RE: US701 Request for Traffic Data 03.12.14
Attachments: US 701 Traffic Analysis Report_revised_MSC_05142009.pdf; Pages from US 701 Traffic Analysis Report_revised_MSC_05142009 (3).pdf -....pdf

Hey Tammy- The consultant did a capacity analysis back in 2009, but the lab asked for updated data. That is why we are making another request. This attached report includes a site map which I attached as a separate file. Thanks for your help!

W. Tyke Redfearn, P.E.
Asst. Prog. Manager
SCDOT | RPG2 | Pee Dee
(803) 737-1430

From: Stoneburner, Tammy H
Sent: Wednesday, March 12, 2014 9:15 AM
To: Redfearn, Tyke
Cc: Eargle, Stacy A
Subject: FW: US701 Request for Traffic Data 03.12.14

Good morning, Tyke,

Do you have a site location map available that you could send me to attach with this traffic data workup.

Thanks,

Tammy

From: Eargle, Stacy A
Sent: Wednesday, March 12, 2014 9:07 AM
To: Stoneburner, Tammy H
Subject: FW: US701 Request for Traffic Data 03.12.14

Hey Tammy,

Will you handle this request? Please let John/Michael know of their April 1st "deadline"

Thanks,
Stacy

From: Anderson, Todd
Sent: Wednesday, March 12, 2014 8:57 AM
To: Eargle, Stacy A
Cc: Redfearn, Tyke; Amado, Bener
Subject: FW: US701 Request for Traffic Data 03.12.14

Hi Stacy,

Please proceed with this request as soon as scheduling permits. Also please send Tyke and Bener a copy of the new request form so they'll have it for the future.

Thanks,

R. Todd Anderson, P.E.
Road Data Services Engineer
SCDOT
803-737-1468

From: Redfearn, Tyke
Sent: Wednesday, March 12, 2014 8:43 AM
To: Anderson, Todd
Cc: Amado, Bener
Subject: US701 Request for Traffic Data 03.12.14

Good Morning Todd-

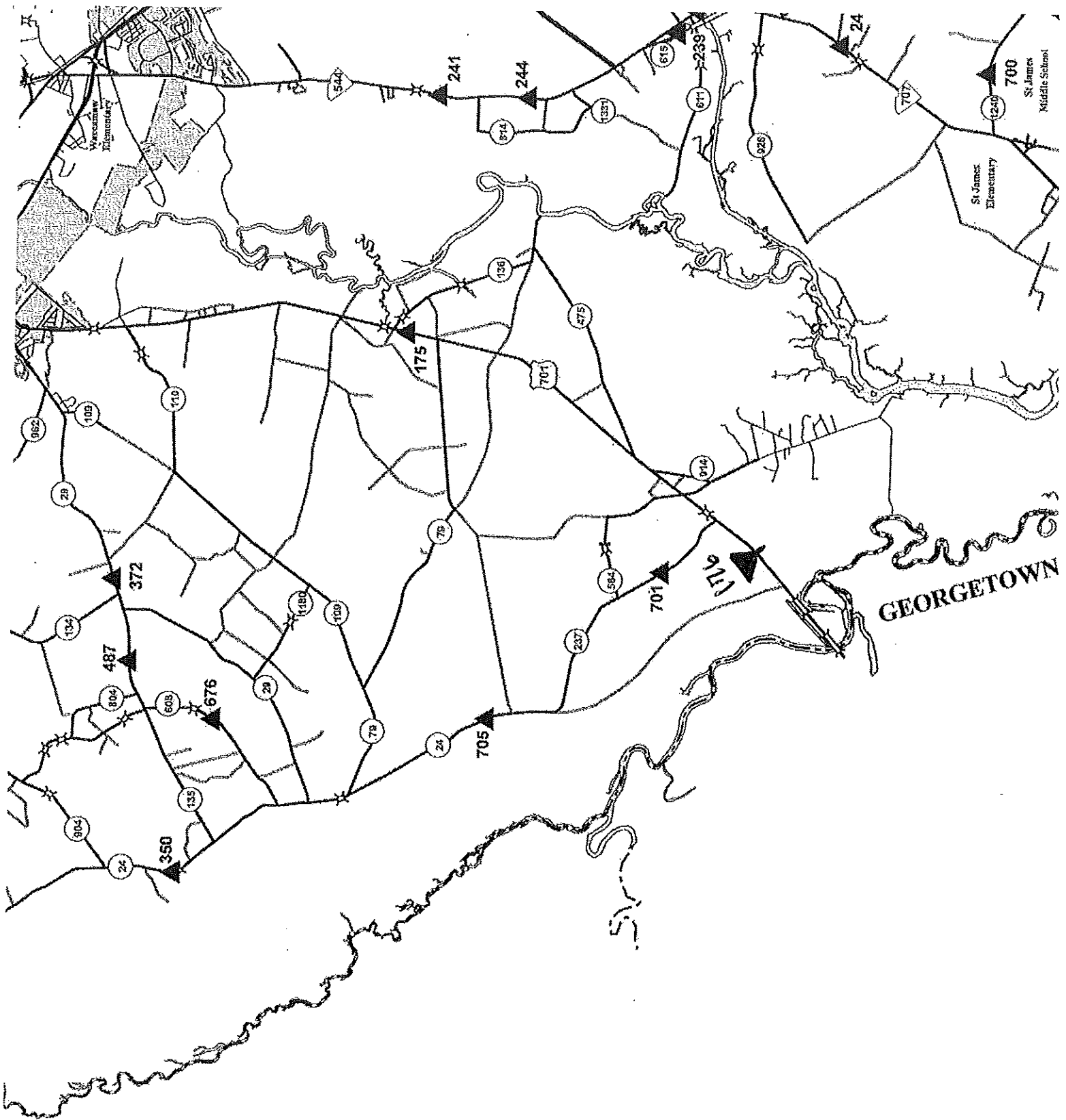
Would you please prepare and forward the data for the US 701 Bridges over the Great Pee Dee River in Horry/Georgetown Counties? The request form is attached for your information. If at all possible, we would like to receive the data before April 1. The following is the chargecode for our project:

C. Center: U120000C88 | Fund: 44909000 | WBS: 88BR88044.H120.2 | Func. Area: U120_2220_0054

If you have any questions or need more information, please let me know. Thanks for your help!

W. Tyke Redfearn, P.E.
Asst. Prog. Manager
SCDOT | RPG2 | Pee Dee
(803) 737-1430

Harry County



03/12/2014

Stal76.txt
Average Daily Traffic for Map Sales

Page 1

County	Station	Route	Route Location	Est. AADT	AADT Year
26	176	US 701	County Line - GEORGETOWN TO S- 914	5200	2012

Disclaimer - The South Carolina Department of Transportation makes no representation or warranties, implied or expressed, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the information and data contained on this printout.

03/12/2014

Stal44.txt
Average Daily Traffic for Map Sales

Page 1

County	Station	Route	Route Location	Est. AADT	AADT Year
22	144	US 701	SC 261 TO County Line - HORRY	4000	2012

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C. Center: U120000C88 | Fund: 44909000 | WBS: 88BR88044.H120.2 | Func. Area: U120_2220_0054

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W. Tyke Redfearn, P.E.

Asst. Prog. Manager

SCDOT | RPG2 | Pee Dee

(803) 737-1430

US 701

US 701

Georgetown County Line to S-26-314

SC 281 to Horry County Lino

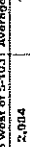
SC 281 to Horry County Lino

COUNT YEAR	COUNT STATION STA. 144	GEORGETOWN	COUNTY 22	COUNT YEAR	COUNT STATION STA. 176	HORRY INCREASE	COUNTY 26	GEORGETOWN / HORRY COUNTIES STA. 144 / STA. 176
		INCREASE	BRANCH DATE					BASE ADT
1988				1990				YOUR 2009 ↓
1989				1990				3,700
2000				2000				0
2001				2001				← YEAR 2002
2002				2002				END YEAR 2012 ADT ↓
2003				2003				4,900
2004				2004				4,300
2005				2005				← 2012 ADT
2006				2006				ADT
2007				2007				ADT
2008				2008				ADT
2009	3,700			2009				ADT
2010	4,200	500	1.1351	2010				ADT

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	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[illegible]

	Average west of S-103	Average east of S-103
2008	1,0050	14,736
2009	1,0049	3,773
2010	1,0051	10,431



REVISION

Q31772714

	4,080	4,327	0	0
2008	4,080	4,327	0	0
2009	4,080	4,327	0	0
2010	4,080	4,327	0	0

[illegible]

from other year 0000

42 12

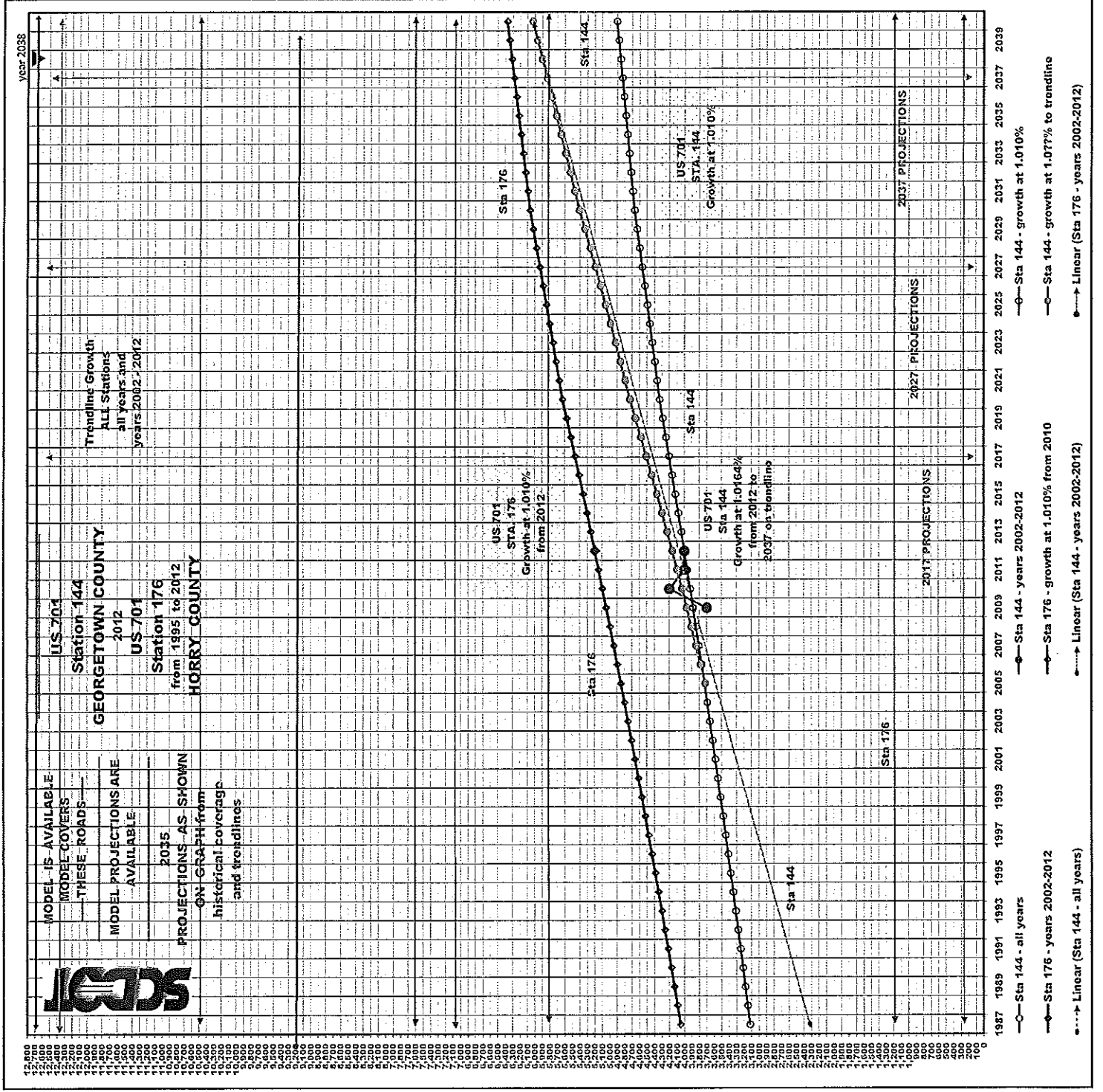
14000
54000

This team has been producing utility traffic count files and/or TransCAD software projections. Changes to the network, centroid loadings, or socioeconomic data can impact counts or projections produced at a later date. Due to the numerous variable factors involved in producing this data, it is intended as an aid for planning purposes only.

200

[illegible]

Customs



[illegible]

DATA SHEET REQUEST FOR PLANNING * TRAFFIC DATA

Requested By: **Tyke Redfern**

SCDOT Section: **RPO 2**

Location:

Date: **03-12-2014**

Contact:

External Company:

SITE LOCATION

COUNTY #: **22 / 26**

COUNTY NAME: **Georgetown / Horry**

ROUTE / ROAD: **US 701**

ROAD NAME:

TERMINI:

From: **Georgetown milepost 20.5 / Horry milepost 0.0**

To: **Georgetown milepost 22.0 / Horry milepost 1.5**

DATA REQUESTED

☒ Traffic Loading for Pavement Design

☒ Classification Count for Pavement Design

☒ Design Data

☐ Intersection Two-Way Traffic Flow (ADT)

☐ Intersection Turning Movement Counts

☐ Other (Explain)



SPECIAL PROJECTS UNIT PROJECTIONS

STATION	144	170							
ROUTE	US 701	US 701	ADT	ADT	ADT	ADT	ADT	ADT	ADT
YEAR	2017								
BASE YEAR									
MIDDLE YEAR									
END YEAR									
LANES	2								
DATE									

DATA SERVICES REQUESTS - DATA PROVIDED WITH REQUEST

ROAD GROUP	L	L							
LANE DISTRIBUTION	1.00	1.00							
TRUCKS (%ADT)	10%	10%							

A request was made for special counts at this site.

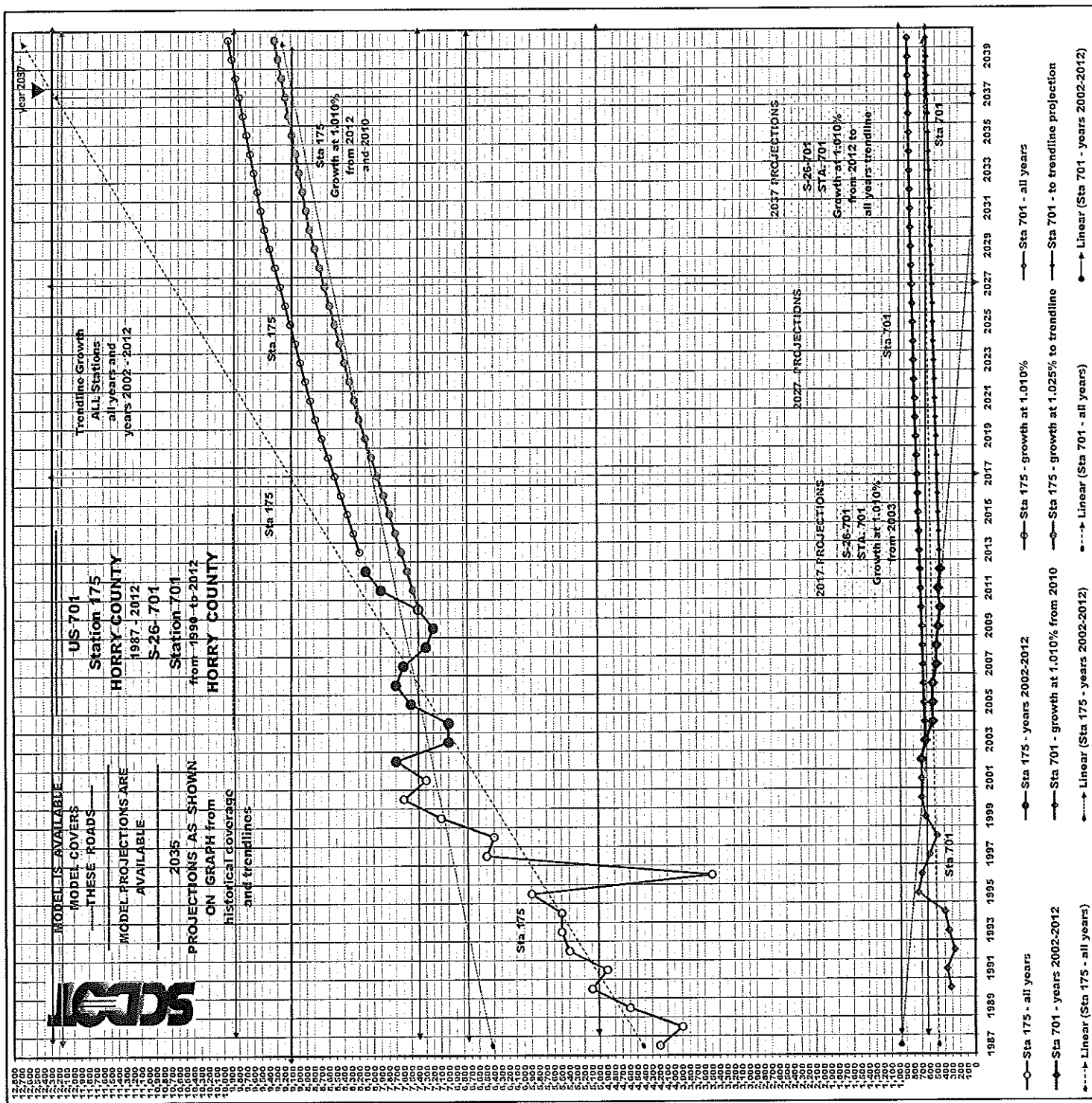
☐ Yes

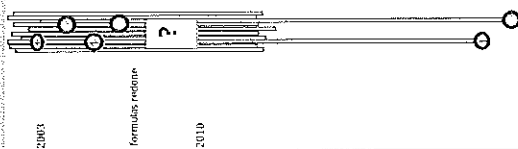
Date:

Count Date:

Results:

☒ No



[illegible]

DATA SHEET REQUEST FOR PLANNING + TRAFFIC DATA

Requester: Tyler Redfern
 SCDOT Section: RPG 2
 Location: _____
 Date: 03-15-2014
 Contact: _____
 Internal Company: _____

SITE LOCATION

COUNTY # 122 / 20
 COUNTY NAME: Georgetown / Horry
 ROUTE / ROAD: US 701
 ROAD NAME: _____
 TIER: _____
 From: Georgetown milepost 20.5 / Horry milepost 0.0
 To: Georgetown milepost 22.0 / Horry milepost 1.5

DATA REQUESTED

- ☒ Traffic Loading for Pavement Design
☒ Classification Count for Pavement Design
☒ Design Data
☐ Intersection Two-Way Traffic Flow (ADT)
☐ Intersection Turning Movement Counts
☐ Other (Explain) _____



SPECIAL PROJECTS UNIT PROJECTIONS

STATION	175	701	ADT	ADT	ADT	ADT
ROUTE	US 701	US 701	ADT	ADT	ADT	ADT
YEAR	2017					
BASE YEAR						
MIDDLE YEAR	2027					
END YEAR	2037					
LANES	2					
DATE						

DATA SERVICES REQUESTS - DATA PROVIDED WITH REQUEST

ROAD GROUP	L	L	L	L	L
LANE DISTRIBUTION	1.00	1.00			
TRUCKS (%ADT)	10%	10%			

A request was made for special counts at this site: _____

☐ Yes
☒ No
 Date: _____
 Count Date: _____
 Results: _____

